

Arizona State University

Academic Catalog Archive

2012-2013



This document provides an archival record of the academic programs offered during the 2012-2013 academic year. It is a printable option of the online catalog for accreditation organizations, agencies and university offices for data collection, evaluation purposes and referencing. The information and links presented in this archive may no longer be accurate. For current catalog information, refer to the online version of the academic catalog.

Corrections or additions to the Academic Catalog Archive 2012-2013 program information and major maps, as of June 30, 2012, may be provided in a future addendum. For inquiries or questions please contact academic.catalog@asu.edu.

About this Document

To navigate this version of the Academic Catalog 2012-2013, refer to the Table of Contents and the bookmarks provided. The Table of Contents provides a listing of resources in the order in which they appear in this document. The bookmarks provide hyperlinks to the resources within this document. To view the bookmarks, please download this document to your local hard drive and enable the display of this document's bookmarks. Keyword searches may be employed as an additional means of locating resources within this document.

This document contains program descriptions and requirements for graduate degrees and certificates, undergraduate degrees, minors and undergraduate certificates. Major maps, included for undergraduate degrees, outline each degree's requirements and a recommended sequence of courses. The major maps are provided in the final sections of this document.

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ASU Mission, Vision and Values

ASU Mission

To establish ASU as the model for a New American University, measured not by who we exclude, but rather by who we include; pursuing research and discovery that benefits the public good; assuming major responsibility for the economic, social, and cultural vitality and health and well-being of the community.

ASU Goals 2002-2012

Access and Quality for All

- Expand university access to match Arizona diversification and growth
- Improve freshmen persistence to 90 percent
- Enhance university graduation rate to 70-75 percent as soon as possible
- Develop ASU culture that represents a commitment to quality and community outreach
- Enroll 100,000 continuing education and degree completion students (including our contribution to AZUN)
- Enhance linkages with community colleges so as to expand baccalaureate degree production
- Enhance student development and individual student learning

National Comprehensive University by 2012

- Become a leading center for interdisciplinary science and technology discovery and development
- Become a leading center for discovery and scholarship in the social sciences, arts and humanities.
- Enhance research and discovery competitiveness to more than \$300 million (in 2006 dollars) in annual research expenditures
- Enhance regional economic competitiveness through research and discovery and value-added education programs

Establish National Standing in Academic Quality and Impact of Colleges and Schools in Every Field

- Attain national standing in academic quality for each school
- Attain national standing in the value added to our graduates in each school
- Become the leading university academically (faculty, discovery, research, creativity) in at least one core subject within each school or college

Enhance Our Local Impact and Social Embeddedness

- Enhance linkage to local and regional social and community development groups
- Establish/develop/enhance linkages and partnerships with local, regional and national NGO's, governments and public agencies, and private sector firms with a focus on community development
- Undertake applied sustainability research that impacts the social, environmental and economic evolution of the southwest
- Provide an objective and ongoing monitoring role for the region's progress through the ASU Indicators Project

Source URL: <http://president.asu.edu/about/asuvision>

Institutional Inclusion

ASU is deeply committed to positioning itself as one of the great new universities by seeking to build excellence, enhance access, and have an impact on our community, state, nation and the world. To do that, requires that our faculty and staff reflect the intellectual, ethnic and cultural diversity of our nation and world so that our students learn from the broadest perspectives and we engage in the advancement of knowledge with the most inclusive understanding possible of the issues we are addressing through our scholarship. As one part of this commitment, we have developed a strategic plan for diversity at ASU. Developed in consultation with a wide variety of constituencies within the university and the deans, this plan, called "Building blocks for success through people, programming and policies," contains a statement which serves as an ongoing touchstone of our commitment and several specific initiatives which will change and evolve over time depending on the challenges and opportunities we have before us.

Diversity is defined in terms of representation and inclusion. Representation reflects the extent to which our students, staff, faculty and administrators proportionately reflect the regional and national populations served by our public institution. Inclusion encompasses empowerment and voice among all members of the university community in the areas of scholarship, teaching, learning and governance. We recognize that race/ethnicity and gender historically have been markers of diversity in institutions of higher education; we further believe that diversity includes additional categories such as socioeconomic background, religion, sexual orientation, gender identity, age, disability, veteran status, nationality and intellectual perspective.

Source URL: <http://diversity.asu.edu/asudiversityplan>

Accreditations

All ASU academic programs are fully accredited by the North Central Association Higher Learning Commission. The institution has been continuously accredited by the Higher Learning Commission since 1931.

This accreditation is reviewed for reaffirmation every ten years, with the next review in 2013. (For more information on the reaffirmation process, see here (<http://hlc2013.asu.edu/>.)

The official letter from the Higher Learning Commission communicating the status of ASU's accreditation is available for public viewing here (http://accreditation.asu.edu/sites/default/files/HLC_Accreditation_Letter.pdf).

A number of programs also have **specialized accreditations** by professional and national accrediting agencies. A list of those specialized accreditations may be found here (<http://accreditation.asu.edu/programs-specialized-accreditation>).

ASU University Accreditation Office

At ASU, the Executive Vice Provost for Academic Affairs/Dean of the Graduate College serves as the University Accreditation Officer (UAO). Representing the University President and the University Provost, the UAO officer is charged with the essential functions related to university-wide accreditation activities and with providing guidance and assistance as the process moves forward leading to successful and productive accreditation visits.

University Accreditation Officer and Executive Vice Provost for Academic Affairs/Dean of the Graduate College **Maria T. Allison** 480.965.7279 Fax: 480.965.0375 maria.allison@asu.edu

Office Specialist, Accreditation **Carla McNeil-Baxter** 480.965.6942 Fax: 480.965.0375 carla.mcneil-baxter@asu.edu

Functions of the ASU University Accreditation Office

Liaison to the Higher Learning Commission (HLC).

The UAO monitors institutional compliance with HLC requirements and coordinates the institutional evaluation for continuing accreditation by the HLC every ten years. The UAO also facilitates HLC approval of program and/or institutional changes where required. As a program prepares for accreditation, it is encouraged to visit the HLC website www.higherlearningcommission.org to find information about HLC standards and procedures for accreditation.

Professional Accreditation Oversight

The UAO works closely with academic units and programs that seek new accreditation or seek re-accreditation. This oversight includes:

- Coordination of site visitors schedule and university administrators. All programs are asked to coordinate the site visitors schedules/itinerary with the UAO – this to insure that appropriate university administrators will be available at the time of the site visit.
- Review of self-study draft. The UAO will conduct a review of the self-study draft to assure a self-study that meets the accreditation criteria and guidelines and addresses any problems from previous accreditation and other issues that may be present. A written report will be returned to the program with recommendations and edits.
- Briefing paper. The UAO will review the briefing paper draft (prepared by the program) and submit recommendations and edits before the final paper is distributed to university administrators and other appropriate officials. The briefing paper is an in-house confidential resource and not shared with the site visitors.
- The site visit report and response to the report. The UAO will review the site visit report and the program's draft response, looking for accuracy, completeness, and tone. Based on this review, written recommendations for the program response will be made.
- Accreditation Status Letter. The original letter is held in the UAO as part of the accreditation permanent records. The UAO will send copies of this letter to the program and supervising administrator. The UAO will enter the date of the next accreditation review into the university calendar which is maintained by this office.

Note: Repository for all accreditation documents.

All programs are asked to provide copies of all accreditation records, reports and other documentation to the UAO, as they become available. Records will be held in the UAO until being sent to University Archives.

Source URL: http://graduate.asu.edu/faculty_staff/accreditations



April 27, 2011

President Michael M. Crow
Arizona State University
PO Box 2203
Tempe, AZ 85287-2203

Dear President Crow:

This letter is formal notification of the action taken concerning Arizona State University by The Higher Learning Commission. At its meeting on April 18, 2011, the Institutional Actions Council (IAC) voted to extend your accreditation to include the Associate of Science in Technology, the Associate of Science in Environmental Sciences and the Associate of Science in Engineering Technology.

I have enclosed your institution's Statement of Affiliation Status (SAS) and Organizational Profile (OP). The SAS is a summary of your organization's ongoing relationship with the Commission. The OP is generated from data you provided in your most recent Annual Institutional Data Update. If the current Commission action included changes to the demographic, location, or distance education information you reported in your Annual Institutional Data Update, we have made the changes on the Organizational Profile. No other organizational information was changed.

The attached Statement of Affiliation Status and Organizational Profile will be posted to the Commission Web site on Monday, May 9. If you have questions about these documents, please contact John A. Taylor, your staff liaison before Friday, May 6. Information about notifying the public of this action is found in Chapter 8.3-3 and 8.3-4 of the *Handbook of Accreditation*, Third Edition.

Please be aware of Commission policy on planned or proposed organizational changes that require Commission action before their initiation. You will find the Commission's change policy at ncahlc.org/information-for-institutions/institutional-change.html. If you have questions about how planned institutional changes might affect your relationship with the Commission, please write or call John A. Taylor.

On behalf of the Board of Trustees, I thank you and your associates for your cooperation.

Sincerely,

Sylvia Manning
President

Enclosures: Statement of Affiliation Status
Organizational Profile

cc: Board Chair



The Higher Learning Commission

NCA Higher Learning Commission Chicago, Illinois 60602-2504 | 312-263-0456
230 S. LaSalle St., Suite 7-500 www.ncahigherlearningcommission.org
Chicago, IL 60604-1413

STATEMENT OF AFFILIATION STATUS

ARIZONA STATE UNIVERSITY
PO Box 2203
Tempe, AZ 85287-2203

Affiliation Status: Candidate: Not Applicable
Accreditation: (1931-)

PEAQ PARTICIPANT

Nature of Organization

Legal Status: Public
Degrees Awarded: B, M, D

Conditions of Affiliation:

Stipulations on Affiliation Status: Accreditation at the associate's level is limited to the Associate of Science degree.

Approval of New Additional Locations: The Commission's Streamlined Review Process is only available for offering existing degree programs at new sites within the state. The University must notify the Commission before opening new international sites.

Approval of Distance and Correspondence Courses and Programs: New Commission policy on institutional change became effective July 1, 2010. Some aspects of the change processes affecting distance delivered courses and programs are still being finalized. This entry will be updated in early 2011 to reflect current policy. In the meantime, see the Commission's Web site for information on seeking approval of distance education courses and programs.

Reports Required: None.

Other Visits Scheduled: None.

Summary of Commission Review

Year of Last Comprehensive Evaluation: 2002 - 2003
Year for Next Comprehensive Evaluation: 2012 - 2013
Date of Last Action: 04/18/2011

Name Change:

Arizona State Teachers College to Arizona State College at Tempe to Arizona State University (1959)

Programs with Specialized Accreditation

ACCREDITED PROGRAMS	ACCREDITING AGENCIES
College of Liberal Arts and Sciences (T)	
Department of Speech and Hearing Science	American Speech-Language-Hearing Association (ASHA)
MS, Speech-Language Pathology/Ph.D, Audiology	
Department of Psychology	
PhD, Psychology (with concentration in Clinical Psychology)	American Psychology Association (APA)
School of Letters and Sciences (D)	
MC, Counseling	Council for Accreditation of Counseling and Related Educational Programs (CACREP)
School of Geographical Sciences and Urban Planning	
BS, Planning MUEP, Urban & Environmental Planning	Planning Accreditation Board (PAB)
College of Nursing & Health Innovation (D)	
BSN, MS, Nursing; Master of Healthcare Innovation	Arizona State Board of Nursing/Commission of Collegiate Nursing Education (CCNE)
BS, Nutrition (didactic program in dietetics) MS, Nutrition (dietetic Internship)	American Dietetic Association (ADA)
College of Public Programs (D)	
School of Community Resources & Development	Council on Accreditation for, Parks, Recreation, Tourism and Related Professions COAPRT)
BS, Parks and Recreation Management	
School of Public Affairs (D)	
MPA, Public Administration	National Association of Schools of Public Affairs and Administration (NASPAA)
School of Social Work (D)	
BSW, MSW Social Work	Council of Social Work Education (CSWE)
College Technology and Innovation (P)	
Department of Engineering	
BSE, Engineering	Engineering Accreditation Commission/Accreditation Board for Engineering and Technology, Inc. (EAC)
Department of Aeronautical Management Technology	
BS, Aeronautical Management Technology (with concentrations in Air Transportation Management and Professional Flight	Aviation Accreditation Board International (AABI)/Accreditation Board for Engineering and Technology, Inc. (AABI)
Department of Engineering Technology	
BS, Electronic Engineering Technology BS, Manufacturing Engineering Technology BS, Mechanical Engineering Technology	Technology Accreditation Commission/Accreditation Board for Engineering and Technology, Inc. (TAC)
Department of Technology Management	
BS, Environmental Technology Management BS, Graphic Information Technology BS, Operations Management Technology	The Association of Technology, Management and Applied Engineering (ATMAE)
Herberger Institute of Design and the Arts (T)	
The Design School	
BSD, Interior Design	Council for Interior Design Accreditation (CIDA)
BSD, Graphic Design, Industrial Design MSD, Design (with	National Association of Schools of Art and Design (NASAD)

concentrations in Industrial Design, Interior Design and Visual Communication) Ph.D. Environmental Design and Planning	
School of Architecture and Landscape Architecture	
BSLA, Landscape Architecture	Landscape Architectural Accreditation Board (LAAB)
MArch, Architecture	National Architectural Accrediting Board (NAAB)
School of Music	National Association of Schools of Music (NASM)
Ira A. Fulton Schools of Engineering (T)	
BS, Computer Science	Computing Accreditation Commission/Accreditation Board for Engineering and Technology, Inc. (ABET)
BS, Construction	American Council for Construction Education (ACCE)
BSE, Aerospace Engineering BSE, Bioengineering BSE, Chemical Engineering BSE, Civil Engineering BSE, Computer Systems Engineering BSE, Electrical Engineering BSE, Industrial Engineering BSE, Materials Science and Engineering BSE, Mechanical Engineering	Engineering Accreditation Commission/Accreditation Board for Engineering and Technology, Inc. (ABET)
Mary Lou Fulton Teachers College (T)	
PhD, Educational Psychology (with a concentration in School Psychology)	American Psychological Association (APA)
Sandra Day O'Connor College of Law (T)	
JD, Law	American Bar Association (ABA)
Walter Cronkite School of Journalism and Mass Communication (D)	
All Programs	Accrediting Council on Education in Journalism and Mass Communications (ACEJMC)
W.P. Carey School of Business (T)	
All Programs	The Association to Advance Collegiate Schools of Business (AACSB International)
School of Accountancy	The Association to Advance Collegiate Schools of Business (AACSB International)
School of Health Management and Policy	Commission on Education for Health Services Administration (CAHME)

Source URL: <http://accreditation.asu.edu/programs-specialized-accreditation>

Academic Calendar

Academic Calendar

- in Registration [1]

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

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

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

If a class is scheduled in a session other than Session A, B or C, the drop/add/withdrawal deadlines are prorated based on the length of the class. Check the calendar icon next to each class on your schedule in My ASU [2] for the prorated deadline dates.

All dates are subject to change without notice.

1. Summer 2012
2. Fall 2012
3. Spring 2013
4. Summer 2013
5. Archive & Future Term Calendars [3]

Summer 2012

Session A: (1st 6 Week Session) Monday, 5/21/2012 – Friday, 6/29/2012

Session B: (2nd 6 Week Session) Thursday, 7/5/2012 – Tuesday, 8/14/2012

Session C: (8 Week Session) Monday, 5/21/2012 – Friday, 7/13/2012

Schedule of Classes Available [4]		February 14, 2012	
Registration Begins [5]		February 15, 2012	
Suggested Postmark to Meet Tuition/Fee Payment Deadline		April 26, 2012	
\$50.00 Late Registration Fee Begins [6] (does not apply to ASU Online students)	Session A May 14, 2012	Session B June 25, 2012	Session C May 14, 2012
Tuition/Fee Payment Deadline [7]		May 10, 2012	
Classes Begin	Session A May 21, 2012	Session B July 5, 2012	Session C May 21, 2012
Last day to register or drop/add without college approval [8]	Session A May 22, 2012	Session B July 6, 2012	Session C May 22, 2012
Residency Classification Petition Deadline [9]		May 22, 2012	
Tuition & Fees 100% Refund Deadline [7]	Session A May 27, 2012	Session B July 11, 2012	Session C June 3, 2012
Memorial Day Observed – no classes		May 28, 2012	
Course Withdrawal Deadline [10]	Session A June 8, 2012	Session B July 25, 2012	Session C June 8, 2012
Deadline to Apply for Graduation [11]		June 15, 2012	
Deadline to Appeal Residency Classification Decision		June 26, 2012	
Independence Day Observed – no classes		July 4, 2012	
Complete Withdrawal Deadline [10]	Session A June 29,	Session B August 14,	Session C July 13, 2012

2012

2012

Classes End/
Last Day to Process TransactionsSession A
June 29,
2012Session B
August 14, 2012Session C
July 13, 2012

Final Grades Due

Session A
July 1, 2012Session B
August 16, 2012
August 14, 2012
August 17-18, 2012Session C
July 15, 2012Degree Conferral Date
Grade Replacement Processing
Back to top**Fall 2012****Session A: (7.5 Weeks) Thursday, 8/23/2012 – Friday, 10/12/2012****Session B: (7.5 Weeks) Wednesday, 10/17/2012 – Tuesday, 12/11/2012****Session C: (15 Weeks) Thursday, 8/23/2012 – Tuesday, 12/11/2012 (Final Exams 12/13/2012 – 12/19/2012)**

Schedule of Classes Available [4]

February 27, 2012

Registration and Tuition Guide Available [12]

February 28, 2012

Enrollment Appointments Begin [5]

March 1, 2012

\$50.00 Late Registration Fee Begins [6] (does not apply to ASU Online students)

August 13, 2012

Tuition Fee Payment Deadline [7] – For registration from 3/1/12 through 8/12/12 for non financial aid students and students that have not accepted any financial aid awards for this semester. For students with accepted financial aid, no payment is due on this date. For more information see <http://students.asu.edu/tuitiondeadlines> [13]

August 14, 2012

Classes Begin

Session A
August 23,
2012Session B
October 17,
2012
TBDSession C
August 23,
2012

Extended Hours (Registration Sites Only [14])

Last day to register or drop/add without college approval [8]

Session A
August 24,
2012Session B
October 18,
2012Session C
August 29,
2012

Residency Classification Petition Deadline [9]

August 29, 2012

Labor Day Holiday Observed - University Closed

September 3, 2012

Tuition & Fees 100% Refund Deadline – For more information see <http://students.asu.edu/tuitionrefundpolicy> [15]Session A
August 29,
2012Session B
October 23,
2012Session C
September
5, 2012

University 21st Day

September 12, 2012

Deadline to Apply for Graduation [11]

October 1, 2012

Academic Status Report #1 [16]

Session A
September
5-7, 2012Session B
October 31 -
November 2,
2012Session C
October 1-
8, 2012

Fall Break – Classes Excused

October 13 - 16, 2012

Academic Status Report #2 [16]

Session A
N/ASession B
N/ASession C
November
5 - 12, 2012

Course Withdrawal Deadline [8]

Session A
September
12, 2012Session B
November 6,
2012Session C
November
7, 2012

Veteran's Day Observed - University Closed

November 12, 2012

Thanksgiving Observed - University Closed

November 22 - 23, 2012

Complete Session Withdrawal Deadline [8]

As part of a complete session withdrawal a student must withdraw from all classes in a session. Beginning the first day of classes, undergraduate students are required to work with a Student Retention Coordinator to facilitate the withdrawal process. For more information see <http://students.asu.edu/StudentRetention> [17]Session A
October 12,
2012Session B
December 11,
2012Session C
December
11, 2012

Classes End/

Session A
October 12,
2012Session B
December 11,
2012Session C
December
11, 2012

Last Day to Process Transactions

Reading Day	Session A N/A	Session B N/A	Session C December 12, 2012
Final Exams [18]	Session A Last day of classes	Session B Last day of classes	Session C December 13 - 19, 2012
Commencement Ceremony for Graduate Students [19]		December 19, 2012	
Commencement Ceremony for Undergraduate Students [19]		December 20, 2012	
Degree Conferral Date		December 20, 2012	
Final Grades Due	Session A October 14, 2012	Session B December 13, 2012	Session C December 24, 2012
Holiday Break		December 24 - 25, 2012	
Grade Replacement/Academic Standing Processing		December 26 - 27, 2012	
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Spring 2013

Session A: (7.5 Weeks) Monday, 1/7/2013 – Wednesday, 2/27/2013

Session B: (7.5 Weeks) Monday, 3/4/2013 – Tuesday, 4/30/2013

Session C: (15 Weeks) Monday, 1/7/2013 – Tuesday, 4/30/2013 (Final Exams 5/2/2013 – 5/8/2013)

Schedule of Classes Available [4]		October 18, 2012	
Registration and Tuition Guide Available [12]		October 18, 2012	
Enrollment Appointments Begin [5]		October 22, 2012	
\$50.00 Late Registration Fee Begins [6] (does not apply to ASU Online students)		December 31, 2012	
Tuition Fee Payment Deadline [7] – For registration from TBD through TBD for non financial aid students and students that have not accepted any financial aid awards for this semester. For students with accepted financial aid, no payment is due on this date. For more information see http://students.asu.edu/tuitiondeadlines [13]		TBD	
Classes Begin	Session A January 7, 2013	Session B March 4, 2013	Session C January 7, 2013
Extended Hours (Registration Sites Only [14])		TBD	
Last day to register or drop/add without college approval [8]	Session A January 8, 2013	Session B March 5, 2013	Session C January 13, 2013
Residency Classification Petition Deadline [9]		January 11, 2013	
Tuition & Fees 100% Refund Deadline – For more information see http://students.asu.edu/tuitionrefundpolicy [15]	Session A January 13, 2013	Session B March 10, 2013	Session C January 20, 2013
Martin Luther King Jr. Holiday Observed – University Closed		January 21, 2013	
University 21st Day		January 28, 2013	
Academic Status Report #1 [16]	Session A January 18-23, 2013	Session B March 25-27, 2013	Session C February 4-11, 2013
Deadline to Apply for Graduation [11]		February 15, 2013	
Spring Break – Classes Excused		March 10-17, 2013	
Academic Status Report #2 [16]	Session A N/A	Session B N/A	Session C March 18- 25, 2013
Course Withdrawal Deadline [8]	Session A January 27, 2013	Session B March 31, 2013	Session C March 31, 2013
Complete Session Withdrawal Deadline [8]	Session A February 27, 2013	Session B April 30, 2013	Session C April 30, 2013
As part of a complete session withdrawal a student must withdraw from all classes in a session. Beginning the first day of classes, undergraduate students are required to work with a Student Retention Coordinator to facilitate the withdrawal process. For more information			

see <http://students.asu.edu/StudentRetention> [17]

Classes End/ Last Day to Process Transactions	Session A February 27, 2013	Session B April 30, 2013	Session C April 30, 2013
Reading Day	Session A N/A	Session B N/A	Session C May 1, 2013
Final Exams [18]	Session A Last day of classes	Session B Last day of classes	Session C May 2-8, 2013
Final Grades Due	Session A March 1, 2013	Session B May 2, 2013	Session C May 6-13, 2013
Commencement Ceremony for Graduate Students [19]		May 8, 2013	
Commencement Ceremony for Undergraduate Students [19]		May 9, 2013	
Degree Conferral Date		May 9, 2013	
Grade Replacement/Academic Standing Processing		May 14-15, 2013	
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Summer 2013

Session A: (1st 6 Week Session) Monday, 5/20/2013 – Friday, 6/28/2013

Session B: (2nd 6 Week Session) Wednesday, 7/3/2013 – Tuesday, 8/13/2013

Session C: (8 Week Session) Monday, 5/20/2013 – Friday, 7/12/2013

Schedule of Classes Available [4]		February 12, 2013 (tentative)	
Registration Begins [5]		February 13, 2013 (tentative)	
Suggested Postmark to Meet Tuition/Fee Payment Deadline		TBD	
\$50.00 Late Registration Fee Begins [6] (does not apply to ASU Online students)	Session A TBD	Session B TBD	Session C TBD
Tuition/Fee Payment Deadline [7]		TBD	
Classes Begin	Session A May 20, 2013	Session B July 3, 2013	Session C May 20, 2013
Last day to register or drop/add without college approval [8]	Session A May 21, 2013	Session B July 5, 2013	Session C May 21, 2013
Residency Classification Petition Deadline [9]		May 21, 2013	
Tuition & Fees 100% Refund Deadline [7]	Session A TBD	Session B TBD	Session C TBD
Memorial Day Observed – no classes		May 27, 2013	
Course Withdrawal Deadline [10]	Session A TBD	Session B TBD	Session C TBD
Deadline to Apply for Graduation [11]		June 15, 2013	
Deadline to Appeal Residency Classification Decision		TBD	
Independence Day Observed – no classes		July 4, 2013	
Complete Withdrawal Deadline [10]	Session A June 28, 2013	Session B August 13, 2013	Session C July 12, 2013
Classes End/ Last Day to Process Transactions	Session A June 28, 2013	Session B August 13, 2013	Session C July 12, 2013
Final Grades Due	Session A TBD	Session B TBD	Session C TBD
Degree Conferral Date		August 13, 2013	
Grade Replacement Processing		TBD	
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Source URL: <https://students.asu.edu/academic-calendar>

Links: [1] <https://students.asu.edu/taxonomy/term/164> [2] <https://my.asu.edu/> [3] <https://students.asu.edu/registrar-semester-calendar> [4] <https://webapp4.asu.edu/catalog/> [5] <https://students.asu.edu/registration> [6] <https://students.asu.edu/tuitiondescriptions> [7] <https://students.asu.edu/tuitiondeadlines> [8] <https://students.asu.edu/drop-add> [9] <https://students.asu.edu/residency> [10] <https://students.asu.edu/withdrawal> [11] <https://students.asu.edu/graduation> [12] <https://students.asu.edu/registration-tuitionpayment-guide> [13] <http://students.asu.edu/tuitiondeadlines> [14] <https://students.asu.edu/contact/office-university-registrar> [15] <http://students.asu.edu/tuitionrefundpolicy> [16] http://help.asu.edu/sims/selfhelp/SelfhelpKbView.seam?parature_id=8373-8193-5013 [17] <http://students.asu.edu/StudentRetention> [18] <https://students.asu.edu/final-exam-schedule#Spring> [19] <http://graduation.asu.edu/>

Tuition and Fees

Tuition Commitment

Undergraduate Resident Tuition

Arizona State University is committed to providing undergraduate resident students with reasonable tuition rates while they earn their degree. Degree-seeking undergraduate students are automatically assigned to a tuition cohort [2] upon admission or readmission and do not need to take any action to benefit from the commitment tuition rate.

The commitment tuition rate [2] applicable to each tuition cohort is initially equal to the approved tuition rate [2] at the time of admission or readmission. Any future increases in tuition will be based off of this rate until the tuition commitment period [2] expires. Undergraduate resident students not eligible for the commitment tuition rate include non-degree seeking students, students enrolled in six or fewer credit hours, and students whose commitment period has expired. Ineligible students will pay the most recently approved tuition rate.

- Commitment Tuition Rate [3]
- Commitment Period [4]
- Commitment Tuition Rate Definitions [2]
- Commitment Tuition Rate FAQs [5]

Note: Continuation of the commitment tuition rate assumes no unusual levels of inflation and no substantial change in the levels of state support. Tuition and fee information provided here or in other University publications or web pages represent tuition and fees as currently approved. However, Arizona State University reserves the right to increase or modify tuition and fees without prior notice, upon approval by the Arizona Board of Regents or as otherwise consistent with Board policy and to make such modifications applicable to students enrolled at ASU at that time as well as to incoming students. In addition, all tuition amounts and fees are subject to change at any time for correction of errors. Finally, please note that fee amounts billed for any period may be adjusted at a future date.

Source URL: <http://students.asu.edu/node/2279>

Links: [1] <https://students.asu.edu/taxonomy/term/173>

[2] <https://students.asu.edu/node/2282>

[3] <https://students.asu.edu/node/2280>

[4] <https://students.asu.edu/node/2281>

[5] <https://students.asu.edu/node/2283>

Commitment Tuition Rate

Undergraduate Resident Tuition

The commitment tuition rate [2] applicable to each tuition cohort [2] is initially equal to the approved tuition rate at the time of admission or readmission. Any future increases in tuition will be based off of this rate until the tuition commitment period [2] expires. Undergraduate degree seeking resident students are automatically assigned to a tuition cohort upon admission or readmission and do not need to take any action to benefit from the commitment tuition rate.

Degree-Seeking The commitment tuition rate applies to undergraduate degree seeking resident students. Undergraduate resident students not seeking a degree will pay the most recently approved tuition rate and are subject to all future tuition increases.

Full-time Enrollment for Tuition Purposes The commitment tuition rate applies for fall/spring semesters during the commitment period in which enrollment exceeds six credit hours. Undergraduate degree seeking resident students enrolled in six or fewer credit hours are billed the most recently approved tuition rate. The commitment period is not extended for part-time enrollment.

Residency Status The commitment tuition rate is applicable to undergraduate students classified as residents for tuition purposes. If an undergraduate student is reclassified from nonresident to resident for tuition purposes, the commitment tuition rate and commitment period are determined based upon the original semester of admission as a nonresident student.

Community College Transfer Students in Pathway Programs Students may be eligible for the commitment tuition rate if they are:

- Admitted to ASU as a resident, degree-seeking student, *and*;
- Enrolled in one of these partnership programs: Maricopa-ASU Pathways Program (MAPP), Transfer Admission Guarantee (TAG), or; RN-BSN pathway program

The commitment tuition rate is based on the semester the student enrolls for one of these pathway programs, if at the time of admission to ASU the student is in compliance with the pathway requirements. Upon expiration of the commitment period, students revert to paying the most recently approved tuition rate. The commitment ends upon the earlier of these circumstances: (1) expiration of the five-year commitment period determined at the time of pathway enrollment, up to a maximum of three years from initial enrollment at ASU, (2) upon graduation from ASU, or (3) withdrawal from the university. **Note:** Students admitted to ASU in accordance with transfer protocols other than these pathway programs will be billed for tuition in accordance with the policies applicable to transfer students.

Readmission The commitment tuition rate is based upon the most recent semester of undergraduate degree admission or readmission. Students required to apply for readmission are assigned to a new tuition cohort and are billed for the commitment tuition rate applicable for the new cohort. The commitment tuition rate associated with the original semester of admission is not maintained under any circumstances, including military service, illness, or church mission, unless an official Leave of Absence is granted by the University Registrar's Office. Students must apply for a Leave of Absence to maintain their original semester of admission for purposes of assignment to a tuition cohort and determination of the commitment tuition rate. The commitment period is not extended by the Leave of Absence and the commitment tuition rate continues to increase.

Expiration of Commitment Period Upon expiration of the commitment period students revert to paying the most recently approved tuition rate. The commitment period ends upon the earlier of the expiration of the commitment period determined at the time of admission, upon graduation, or upon application for admission or readmission.

Students Admitted Prior to Summer 2008 For undergraduate degree seeking resident students admitted prior to summer 2008 the commitment tuition rate is based upon fall 2007 tuition regardless of semester of admission. This initial tuition commitment tuition rate will remain in tact during the commitment period, and any increases in tuition will be based off this rate. Starting in fall 2009, the remaining commitment period [2] will be determined based upon the most recent semester of undergraduate degree admission or readmission and prior earned credits at the time of admission. For example, a student admitted as a sophomore fall 2006 is eligible for a remaining commitment of one year in fall 2009. Beginning in fall 2010, because the commitment period has expired, the student admitted as a sophomore in fall 2006 will pay the most recently approved tuition rate.

Differential Tuition, Program Tuition and Other Fees The commitment tuition rate only applies to base undergraduate resident tuition. The tuition commitment does not apply to differential tuition, program tuition, mandatory registration fees, or any other charges assessed by ASU.

Summer Session Tuition The commitment tuition rate is not applicable for summer registration. All students are billed at the same rate, which is equal to the most recently approved per credit hour rate.

Special Nonresident Tuition Rates Students eligible for special nonresident tuition rates that are based upon resident tuition are not eligible for the commitment tuition rate. Nonresident students eligible for special tuition rates will be billed based upon the most recently approved tuition rate and are subject to all future tuition increases. **Note:** Continuation of the commitment tuition rate assumes no unusual levels of inflation and no substantial change in the levels of state support. Tuition and fee information provided here or in other University publications or web pages represent tuition and fees as currently approved. However, Arizona State University reserves the right to increase or modify tuition and fees without prior notice, upon approval by the Arizona Board of Regents or as otherwise consistent with Board policy and to make such modifications applicable to students enrolled at ASU at that time as well as to incoming students. In addition, all tuition amounts and fees are subject to change at any time for correction of errors. Finally, please note that fee amounts billed for any period may be adjusted at a future date.

Source URL: <https://students.asu.edu/tuition/commitment>

Links: [1] <https://students.asu.edu/taxonomy/term/173>

[2] <https://students.asu.edu/node/2282>

Commitment Tuition Rate Definitions

Undergraduate Resident Tuition

Approved Tuition Rate: Undergraduate resident tuition rate approved for each tuition cohort. Non-degree seeking students, students enrolled in six or fewer credit hours, and students whose commitment period has expired will also pay the most recently approved tuition rate.

Commitment Tuition Rate: Full-time undergraduate resident tuition rate applicable to each tuition cohort, based on the approved per credit hour tuition rate at the time of admission or readmission. Increases in tuition will be based off of the initial tuition rate until the commitment period expires. Full-time undergraduate resident tuition is assessed for enrollment in more than six credit hours during the fall/spring semester.

Commitment Period: Period of up to five years, as determined by academic level [2] upon admission or readmission and prorated based upon prior earned credits.

Prior Earned Credits: All credit hours earned prior to semester of admission. Includes hours earned at ASU, other institutions, through testing, or by any other means.

Tuition Cohort: All undergraduate degree-seeking students admitted or readmitted for a given fall semester. Students admitted during the preceding summer semester and the following winter session or spring semester are assigned to the fall semester tuition cohort. If students are admitted to multiple programs, the admit semester of the student's active primary academic program will determine the tuition cohort.

Note: Continuation of the commitment tuition rate assumes no unusual levels of inflation and no substantial change in the levels of state support. Tuition and fee information provided here or in other University publications or web pages represent tuition and fees as currently approved. However, Arizona State University reserves the right to increase or modify tuition and fees without prior notice, upon approval by the Arizona Board of Regents or as otherwise consistent with Board policy and to make such modifications applicable to students enrolled at ASU at that time as well as to incoming students. In addition, all tuition amounts and fees are subject to change at any time for correction of errors. Finally, please note that fee amounts billed for any period may be adjusted at a future date.

Source URL: <https://students.asu.edu/node/2282>

Links: [1] <https://students.asu.edu/taxonomy/term/173>

[2] <https://students.asu.edu/glossary/term/2>

Residency for Tuition Purposes

Initial residency classification at Arizona State University is determined when students are admitted to the University based on the Arizona Board of Regents' (ABOR) Residency Guidelines [2]. This status determines if students will be billed in-state or out-of-state tuition. Students that are classified as non-residents can request reclassification by submitting the proper petition or verification form. All requests for reclassification must be thoroughly and sufficiently documented and will be evaluated against ABOR guidelines. The information below and all subsequent links offer an overview of ASU's residency requirements and provide the student with an opportunity to better understand the process for requesting reclassification. Please read carefully and direct all questions to Residency Classification at 480-965-7712 or residency@asu.edu [3]

Please note: Information regarding residency classification is subject to change without notice.

The process for requesting reclassification is as follows:

- **Read** the Classification Guidelines [4] and Frequently Asked Questions [5]
- **Review** the Residency Reclassification [6] information.
- **Complete** the Residency Petition/Verification Overview [7] to determine the appropriate petition/verification for your situation.
- **Submit** your petition with all required documentation prior to the established deadline.
- **Pay** the \$50.00 non-refundable petition fee¹ to the Residency Classification Office.
- **Review** the requirements for Residency Appeals [8], if your petition is denied.

¹ The application fee is not applicable to the Native American verification, Military/Veteran verification or Teacher Waiver.

Deadlines: Petitions and verifications submitted after the ABOR petition deadline will be denied.

Semester	Petition/Verification Available	Priority Evaluation Deadline ²	Petition Deadline
Spring 2012	November 1, 2011	-	January 11, 2012
Summer 2012 ³	April 1, 2012	April 20, 2012	May 22, 2012
Fall 2012	April 1, 2012	June 29, 2012	August 29, 2012

² Petitions submitted (and fully completed) before the priority deadline will be evaluated prior to the first day of classes. Petitions submitted after this date will be reviewed in the order in which they are received but may not be evaluated until after classes begin.

³ Summer petitions are only evaluated for students registered for summer classes.

Per ABOR requirements, failure to submit a notarized petition by the deadline date constitutes a waiver of the right to petition for that term. There is no appeal process for petitions submitted after the deadline.

Residency Appeals: Appeal hearings are scheduled on a first-come, first-served basis. If you wish to appeal, you are encouraged to request a hearing no later than 10 days after your petition decision is rendered. This will ensure that your hearing is given priority and will be scheduled for the next available hearing date. Appeals are accepted only after your petition as been reviewed and denied. See Residency Appeals [8] for additional information.

Source URL: <https://students.asu.edu/residency>

Links: [1] <https://students.asu.edu/taxonomy/term/164> [2] https://azregents.asu.edu/rrc/Policy%20Manual/4Section_B%20-%20Tuition%20Classification%20-%20Chapter%204.pdf [3] <mailto:residency@asu.edu> [4] https://students.asu.edu/residency_classification_guidelines [5] <https://students.asu.edu/faq/156> [6] <https://students.asu.edu/residency-reclassification> [7] https://students.asu.edu/residency_petition_verification_overview [8] <https://students.asu.edu/residencyappeals>

Tuition and Fee Descriptions

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

Differential Tuition and Program Tuition

Certain colleges and programs assess additional differential and program tuition as approved by the Arizona Board of Regents. Visit the Tuition and Fees Schedules [2] for college and program specific tuition and fees.

Excess Hours Tuition

The Arizona Legislature enacted legislation in 2005 (A.R.S. § 15-1626) that establishes credit hour thresholds for undergraduate students who attend a public university in Arizona. Undergraduate students who enroll for credit hours beyond the applicable threshold are required to pay an Excess Hours Tuition Surcharge [3]. Students who have more than 145 credit hours will be assessed the Undergraduate Excess Hours Tuition Surcharge.

Special Class & iCourse Fees

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

Technology Fee

The technology fee funds technology initiatives including expanding ASU's wireless network on all of its campuses, increasing the number of technology-enabled classrooms, developing a system to allow students to access University-licensed software, reducing dependence on computing labs and expanding and improving online self-service environment. All students are assessed this mandatory technology fee as authorized by the Arizona Board of Regents.

Late Registration Fee

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

Recreation Fee

All students are assessed a recreation fee allowing access to recreation facilities on all four ASU Campuses. For more information, please visit Campus Recreation [6]. Faculty/staff who are also students are not assessed a recreation center fee with their other registration fees, but may pay an optional fee at faculty/staff rates.

Student Service Facility Fee

The Student Service Facility Fee is a mandatory fee authorized by the Arizona Board of Regents to be charged to all students. This fee will allow for the enhancements of existing facilities and the planning and development of new student service facilities to meet the needs of the growing student population.

Student Programs Fee

All students are assessed a mandatory program facility fee as authorized by the Arizona Board of Regents to provide funding for new or enhanced facilities and student support programming.

Health and Wellness Fee

All students are assessed a Health and Wellness Fee as authorized by the Arizona Board of Regents to enhance services for students who seek both preventive and acute care and to expand outreach and wellness education and services.

Financial Aid Trust Fee

Student Financial Aid Trust grants are assistance provided in partnership between ASU students and the state legislature. All students are assessed a mandatory financial aid trust fee as authorized by the Arizona Legislature to create a Financial Aid Trust Fund, from which Financial Aid Trust Grants are awarded under the usual aid eligibility criteria. Fees collected from students are matched by the State of Arizona. For more information, please visit the Financial Aid Trust Grant [7] website.

Arizona Students' Association (ASA) Fee

The Arizona Students' Association is a nonprofit, higher education advocacy organization that represents Arizona public university students to the Arizona Board of Regents, State Legislature, and U.S. Congress. During 1996-1997, students at the state universities voted to change the mechanism for funding the ASA to a fee charged to each student each semester.

Any refunds for this fee will be provided through ASA Central Office at 1.877.294.6900 (toll free) or 602.294.6900. You may also pickup a refund form to complete from the ASASU Business Office (Tempe campus) in the Memorial Union Room 311 or Student Life (West campus) in UCB 221. The refund forms will be available for the first 21 days of classes.

For information about the Arizona Students' Association, visit www.azstudents.org [8].

Source URL: <https://students.asu.edu/tuitiondescriptions>

Links: [1] <https://students.asu.edu/taxonomy/term/173> [2] <http://www.asu.edu/admissions/tuitionandfees/> [3]

<https://students.asu.edu/tuitionsurcharge> [4] <https://www.asu.edu/go/classsearch/> [5]

<https://students.asu.edu/tuitiondeadlines> [6] <http://src.asu.edu/> [7] <https://students.asu.edu/financial-aid-trust-grant> [8]

<http://www.azstudents.org>

Tuition Refund Policy

Students are required to pay all tuition and fees for any registered course unless enrollment is officially cancelled during the 100% refund period. Tuition and fees are nonrefundable after the 100% refund period. All refunds are less any amounts owed to the university and are subject to payment holding periods.

Withdrawal or cancellation occurs on the calendar day that withdrawal is requested either Online or in person at a Registrar site. By registering for classes students agree to pay all applicable tuition and registration fees. The university provides a prorated refund for students receiving financial aid; therefore, the refund schedule is the minimum amount refundable to these students.

Fall and Spring Semester Classes The 100% refund period extends through the first two weeks of the semester for regular semester classes and sessions eight weeks or longer. The 100% refund period is one week for sessions shorter than eight weeks and for dynamically dated classes. For classes that begin prior to the first day of the regular semester, the applicable 100% refund period begins on the class start date not the semester start date. Students are required to pay tuition and fees owed for enrollment cancellations that occur after the refund period.

Summer Session Classes The 100% refund period is the first five days of the applicable summer session. Students are required to pay tuition and fees owed for enrollment cancellations that occur after the refund period.

Medical or Compassionate Withdrawals Students withdrawing for medical circumstances or other extenuating circumstances must contact their college to initiate the process. Approved medical or compassionate withdrawals [2] are eligible for up to an 80% refund of tuition if approved within two years of the end of the semester. No tuition refund is provided thereafter.

For specific semester or session deadlines, please refer to Tuition Dates and Deadlines [3].

Source URL: <https://students.asu.edu/tuitionrefundpolicy>

Links: [1] <https://students.asu.edu/taxonomy/term/173> [2] <https://students.asu.edu/forms/medical-compassionate-withdrawal-request> [3] <https://students.asu.edu/tuitiondeadlines>

Tuition and Fees Schedules

To view current year tuition and fees, please visit the Tuition and Cost Calculator [2].

To view historical information about tuition and fees, please visit Tuition and Fees Schedule [3]. **NOTE:** All amounts shown in the Tuition and Fees Schedules or in other university publications or Web pages represent tuition and fees as currently approved. However, Arizona State University reserves the right to increase or modify tuition and fees without prior notice, upon approval by the Arizona Board of Regents or as otherwise consistent with board policy, and to make such modifications applicable to students

enrolled at ASU at that time as well as to incoming students. In addition, all tuition amounts and fees are subject to change at any time for correction of errors. Finally, please note that fee amounts billed for any period may be adjusted at a future date.

Tuition charges will be billed on your student account and may be viewed online through My ASU [4] after registration. See Billing [5] for information on how to pay your tuition and fees.

Tuition Installment Plan [6]: If tuition is not paid by the applicable tuition due date, or financial aid is not awarded and accepted by the due date, you will be automatically enrolled in the tuition installment plan and charged a nonrefundable enrollment fee. See Tuition Deadlines [7] for semester-specific information.

Thinking of Leaving ASU? By registering for classes, you agree to pay all applicable tuition and registration fees. If you plan to leave the university, you must officially withdraw to cancel registration before the refund deadline. Refund deadlines are available on the Tuition Deadlines [7] calendar. Please ensure that you have dropped or withdrawn from all classes during the 100 percent refund period or you will be responsible for the tuition charges. See the Tuition Refund Policy [8].

IRS Form 1098-T

Arizona State University prepares an IRS form 1098-T, Tuition Tax Statement each calendar year. IRS form 1098-T reports amounts billed to you for qualified tuition and may assist you in the preparation of your tax return with regards to education tax benefits you may be eligible to claim. Read more about the IRS form 1098-T [9].

Source URL: <https://students.asu.edu/tuitionandfees>

Links: [1] <https://students.asu.edu/taxonomy/term/173> [2] <https://students.asu.edu/costs> [3] <http://catalog.asu.edu/tuitionandfees> [4] <http://my.asu.edu/> [5] <https://students.asu.edu/tuitionandbilling> [6] <https://students.asu.edu/tuitioninstallmentplan> [7] <https://students.asu.edu/tuitiondeadlines> [8] <https://students.asu.edu/tuitionrefundpolicy> [9] <https://students.asu.edu/form1098t>

Per Semester Tuition And Fees

Fall 2012 – Spring 2013 Program Specific Tuition and Fees

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

Program Specific Tuition and Fees

Certain Graduate and Undergraduate programs charge program specific tuition. Use the ASU [Tuition and Cost of Attendance Estimator](https://students.asu.edu/costs) (<https://students.asu.edu/costs>) to review program specific tuition and fees.

General Tuition and Fees

Undergraduate Degree Programs: Downtown Phoenix Campus and, Tempe Campus

RESIDENT Commitment Period Expired*	ENROLLED HOURS						
	1	2	3	4	5	6	7 & Over
Resident Undergraduate Tuition ⁽¹⁾	\$658	\$1,316	\$1,974	\$2,632	\$3,290	\$3,948	\$4,604
Technology Fee	50	50	50	50	50	50	50
Student Service Facility Fee	37	37	37	37	37	37	75
Student Programs Fee	12	12	12	12	12	12	25
Health & Wellness Fee	20	20	20	20	20	20	40
Financial Aid Trust	21	21	21	21	21	21	41
Recreation Fee	12	12	12	12	12	12	25
Assoc. Students of AZ	2	2	2	2	2	2	2

Total Undergraduate Resident Tuition & Fees ^{(2) (3) (4) (5) (6)}	\$812	\$1,470	\$2,128	\$2,786	\$3,444	\$4,102	\$4,862
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RESIDENT Admitted Summer 2007 through Spring 2008* Commitment Period Not Expired*	ENROLLED HOURS						
	1	2	3	4	5	6	7 & Over
Resident Undergraduate Tuition ⁽¹⁾	\$658	\$1,316	\$1,974	\$2,632	\$3,290	\$3,948	\$3,924
Technology Fee	50	50	50	50	50	50	50
Student Service Facility Fee	37	37	37	37	37	37	75
Student Programs Fee	12	12	12	12	12	12	25
Health & Wellness Fee	20	20	20	20	20	20	40
Financial Aid Trust	21	21	21	21	21	21	41
Recreation Fee	12	12	12	12	12	12	25
Assoc. Students of AZ	2	2	2	2	2	2	2
Total Undergraduate Resident Tuition & Fees ^{(2) (3) (4) (5) (6)}	\$812	\$1,470	\$2,128	\$2,786	\$3,444	\$4,102	\$4,182

RESIDENT Admitted Summer 2008 through Spring 2009* Commitment Period Not Expired*	ENROLLED HOURS						
	1	2	3	4	5	6	7 & Over
Resident Undergraduate Tuition ⁽¹⁾	\$658	\$1,316	\$1,974	\$2,632	\$3,290	\$3,948	\$4,114
Technology Fee	50	50	50	50	50	50	50
Student Service Facility Fee	37	37	37	37	37	37	75
Student Programs Fee	12	12	12	12	12	12	25
Health & Wellness Fee	20	20	20	20	20	20	40
Financial Aid Trust	21	21	21	21	21	21	41
Recreation Fee	12	12	12	12	12	12	25
Assoc. Students of AZ	2	2	2	2	2	2	2
Total Undergraduate Resident Tuition & Fees ^{(2) (3) (4) (5) (6)}	\$812	\$1,470	\$2,128	\$2,786	\$3,444	\$4,102	\$4,372

RESIDENT Admitted Summer 2009 through Spring 2010* Commitment Period Not Expired*	ENROLLED HOURS						
	1	2	3	4	5	6	7 & Over
Resident Undergraduate Tuition ⁽¹⁾	\$658	\$1,316	\$1,974	\$2,632	\$3,290	\$3,948	\$4,281
Technology Fee	50	50	50	50	50	50	50
Student Service Facility Fee	37	37	37	37	37	37	75
Student Programs Fee	12	12	12	12	12	12	25
Health & Wellness Fee	20	20	20	20	20	20	40
Financial Aid Trust	21	21	21	21	21	21	41
Recreation Fee	12	12	12	12	12	12	25
Assoc. Students of AZ	2	2	2	2	2	2	2
Total Undergraduate Resident Tuition & Fees ^{(2) (3) (4) (5) (6)}	\$812	\$1,470	\$2,128	\$2,786	\$3,444	\$4,102	\$4,539

RESIDENT Admitted Summer 2010 through Spring 2011* Commitment Period Not Expired*	ENROLLED HOURS						
	1	2	3	4	5	6	7 & Over

Resident Undergraduate Tuition ⁽¹⁾	\$658	\$1,316	\$1,974	\$2,632	\$3,290	\$3,948	\$4,517
Technology Fee	50	50	50	50	50	50	50
Student Service Facility Fee	37	37	37	37	37	37	75
Student Programs Fee	12	12	12	12	12	12	25
Health & Wellness Fee	20	20	20	20	20	20	40
Financial Aid Trust	21	21	21	21	21	21	41
Recreation Fee	12	12	12	12	12	12	25
Assoc. Students of AZ	2	2	2	2	2	2	2
Total Undergraduate Resident Tuition & Fees ^{(2) (3) (4) (5) (6)}	\$812	\$1,470	\$2,128	\$2,786	\$3,444	\$4,102	\$4,775

RESIDENT Admitted Summer 2011 through Spring 2012* Commitment Period Not Expired*	ENROLLED HOURS						
	1	2	3	4	5	6	7 & Over
Resident Undergraduate Tuition ⁽¹⁾	\$658	\$1,316	\$1,974	\$2,632	\$3,290	\$3,948	\$4,604
Technology Fee	50	50	50	50	50	50	50
Student Service Facility Fee	37	37	37	37	37	37	75
Student Programs Fee	12	12	12	12	12	12	25
Health & Wellness Fee	20	20	20	20	20	20	40
Financial Aid Trust	21	21	21	21	21	21	41
Recreation Fee	12	12	12	12	12	12	25
Assoc. Students of AZ	2	2	2	2	2	2	2
Total Undergraduate Resident Tuition & Fees ^{(2) (3) (4) (5) (6)}	\$812	\$1,470	\$2,128	\$2,786	\$3,444	\$4,102	\$4,862

RESIDENT Admitted Summer 2012 through Spring 2013* Commitment Period Not Expired*	ENROLLED HOURS						
	1	2	3	4	5	6	7 & Over
Resident Undergraduate Tuition ⁽¹⁾	\$658	\$1,316	\$1,974	\$2,632	\$3,290	\$3,948	\$4,604
Technology Fee	50	50	50	50	50	50	50
Student Service Facility Fee	37	37	37	37	37	37	75
Student Programs Fee	12	12	12	12	12	12	25
Health & Wellness Fee	20	20	20	20	20	20	40
Financial Aid Trust	21	21	21	21	21	21	41
Recreation Fee	12	12	12	12	12	12	25
Assoc. Students of AZ	2	2	2	2	2	2	2
Total Undergraduate Resident Tuition & Fees ^{(2) (3) (4) (5) (6)}	\$812	\$1,470	\$2,128	\$2,786	\$3,444	\$4,102	\$4,862

NON-RESIDENT	ENROLLED HOURS											
	1	2	3	4	5	6	7	8	9	10	11	12 & Over
Non-Resident Undergraduate Tuition	\$936	\$1,872	\$2,808	\$3,744	\$4,680	\$5,616	\$6,552	\$7,488	\$8,424	\$9,360	\$10,296	\$11,231
Technology Fee	50	50	50	50	50	50	50	50	50	50	50	50
Student Service Facility Fee	37	37	37	37	37	37	75	75	75	75	75	75
Student Programs Fee	12	12	12	12	12	12	25	25	25	25	25	25

Health & Wellness Fee	20	20	20	20	20	20	40	40	40	40	40	40
Financial Aid Trust	21	21	21	21	21	21	41	41	41	41	41	41
Recreation Fee	12	12	12	12	12	12	25	25	25	25	25	25
Assoc. Students of AZ	2	2	2	2	2	2	2	2	2	2	2	2
Total Undergraduate Non-Resident Tuition & Fees^{(2) (3) (4) (5) (6)}	\$1,090	\$2,026	\$2,962	\$3,898	\$4,834	\$5,770	\$6,810	\$7,746	\$8,682	\$9,618	\$10,554	\$11,489

*The ASU Tuition Commitment is that full-time undergraduate resident tuition will increase at a reasonable rate from the semester of admission or readmission. For more information about the Tuition Commitment and the Commitment Period please refer to students.asu.edu/tuitionandfees

⁽¹⁾ Resident tuition for enrollment in 7 hours or more is \$1 less during Spring semester.

⁽²⁾ Music Fees & Special Class Fees are dependent on specific class enrollment and are not included here. Fees are available online through Class Search.

⁽³⁾ Undergraduate students with total credit hours in excess of the threshold established by the Arizona Legislature are required to pay tuition on these excess hours. For resident students the excess hours tuition is \$132 per credit hour up to a maximum of \$924 for enrollment in 7 or more hours. For nonresident students the excess hours tuition is \$182 per credit hour up to a maximum of \$2,184 for enrollment in 12 or more credit hours. See students.asu.edu/tuitionandfees for additional information regarding the Undergraduate Excess Hours Tuition.

⁽⁴⁾ If you have been admitted to the Barrett Honors College, an honors fee of \$500 for incoming freshmen and \$450 for continuing students will be assessed each fall and spring semester, in addition to tuition and fees presented above

⁽⁵⁾ All amounts shown in the Tuition and Fees Schedules or in other University publications or web pages represent tuition and fees as currently approved. However, Arizona State University reserves the right to increase or modify tuition and fees without prior notice, upon approval by the Arizona Board of Regents or as otherwise consistent with Board policy and to make such modifications applicable to students enrolled at ASU at that time as well as to incoming students. In addition, all tuition amounts and fees are subject to change at any time for correction of errors. Finally, please note that fee amounts billed for any period may be adjusted at a future date. ⁽⁶⁾ Some graduate and undergraduate programs assess an additional program fee. These fees differ according to the college and or program.

Undergraduate Degree Programs: Polytechnic Campus and, West Campus

RESIDENT Admitted Prior to Summer 2008 Commitment Period Expired*	ENROLLED HOURS						
	1	2	3	4	5	6	7 & Over
Resident Undergraduate Tuition⁽¹⁾	\$658	\$1,316	\$1,974	\$2,632	\$3,290	\$3,948	\$4,604
Technology Fee	50	50	50	50	50	50	50
Student Service Facility Fee	37	37	37	37	37	37	75
Student Programs Fee	12	12	12	12	12	12	25
Health & Wellness Fee	20	20	20	20	20	20	40
Financial Aid Trust	21	21	21	21	21	21	41
Recreation Fee	12	12	12	12	12	12	25
Assoc. Students of AZ	2	2	2	2	2	2	2
Total Undergraduate Resident Tuition & Fees^{(2) (3) (4) (5) (6)}	\$812	\$1,470	\$2,128	\$2,786	\$3,444	\$4,102	\$4,862

RESIDENT Admitted Prior to Summer 2008 Commitment Period Not Expired*	ENROLLED HOURS						
	1	2	3	4	5	6	7 & Over
Resident Undergraduate Tuition⁽¹⁾	\$658	\$1,316	\$1,974	\$2,632	\$3,290	\$3,948	\$3,786
Technology Fee	50	50	50	50	50	50	50

Student Service Facility Fee	37	37	37	37	37	37	75
Student Programs Fee	12	12	12	12	12	12	25
Health & Wellness Fee	20	20	20	20	20	20	40
Financial Aid Trust	21	21	21	21	21	21	41
Recreation Fee	12	12	12	12	12	12	25
Assoc. Students of AZ	2	2	2	2	2	2	2
Total Undergraduate Resident Tuition & Fees ^{(2) (3) (4) (5) (6)}	\$812	\$1,470	\$2,128	\$2,786	\$3,444	\$4,102	\$4,044

RESIDENT Admitted Summer 2008 Through Spring 2009*	ENROLLED HOURS						
	1	2	3	4	5	6	7 & Over
Resident Undergraduate Tuition ⁽¹⁾	\$658	\$1,316	\$1,974	\$2,632	\$3,290	\$3,948	\$4,114
Technology Fee	50	50	50	50	50	50	50
Student Service Facility Fee	37	37	37	37	37	37	75
Student Programs Fee	12	12	12	12	12	12	25
Health & Wellness Fee	20	20	20	20	20	20	40
Financial Aid Trust	21	21	21	21	21	21	41
Recreation Fee	12	12	12	12	12	12	25
Assoc. Students of AZ	2	2	2	2	2	2	2
Total Undergraduate Resident Tuition & Fees ^{(2) (3) (4) (5) (6)}	\$812	\$1,470	\$2,128	\$2,786	\$3,444	\$4,102	\$4,372

RESIDENT Admitted Summer 2009 Through Spring 2010*	ENROLLED HOURS						
	1	2	3	4	5	6	7 & Over
Resident Undergraduate Tuition ⁽¹⁾	\$658	\$1,316	\$1,974	\$2,632	\$3,290	\$3,948	\$4,281
Technology Fee	50	50	50	50	50	50	50
Student Service Facility Fee	37	37	37	37	37	37	75
Student Programs Fee	12	12	12	12	12	12	25
Health & Wellness Fee	20	20	20	20	20	20	40
Financial Aid Trust	21	21	21	21	21	21	41
Recreation Fee	12	12	12	12	12	12	25
Assoc. Students of AZ	2	2	2	2	2	2	2
Total Undergraduate Resident Tuition & Fees ^{(2) (3) (4) (5) (6)}	\$812	\$1,470	\$2,128	\$2,786	\$3,444	\$4,102	\$4,539

RESIDENT Admitted Summer 2010 Through Spring 2011*	ENROLLED HOURS						
	1	2	3	4	5	6	7 & Over
Resident Undergraduate Tuition ⁽¹⁾	\$658	\$1,316	\$1,974	\$2,632	\$3,290	\$3,948	\$4,517
Technology Fee	50	50	50	50	50	50	50
Student Service Facility Fee	37	37	37	37	37	37	75
Student Programs Fee	12	12	12	12	12	12	25
Health & Wellness Fee	20	20	20	20	20	20	40
Financial Aid Trust	21	21	21	21	21	21	41
Recreation Fee	12	12	12	12	12	12	25
Assoc. Students of AZ	2	2	2	2	2	2	2
Total Undergraduate Resident Tuition & Fees ^{(2) (3) (4) (5) (6)}	\$812	\$1,470	\$2,128	\$2,786	\$3,444	\$4,102	\$4,775

RESIDENT Admitted Summer 2011 Through Spring 2012*	ENROLLED HOURS						
	1	2	3	4	5	6	7 & Over
Resident Undergraduate Tuition ⁽¹⁾	\$658	\$1,316	\$1,974	\$2,632	\$3,290	\$3,948	\$4,604
Technology Fee	50	50	50	50	50	50	50

Student Service Facility Fee	37	37	37	37	37	37	75
Student Programs Fee	12	12	12	12	12	12	25
Health & Wellness Fee	20	20	20	20	20	20	40
Financial Aid Trust	21	21	21	21	21	21	41
Recreation Fee	12	12	12	12	12	12	25
Assoc. Students of AZ	2	2	2	2	2	2	2
Total Undergraduate Resident Tuition & Fees ^{(2) (3) (4) (5) (6)}	\$812	\$1,470	\$2,128	\$2,786	\$3,444	\$4,102	\$4,862

RESIDENT Admitted Summer 2012 Through Spring 2013*	ENROLLED HOURS						
	1	2	3	4	5	6	7 & Over
Resident Undergraduate Tuition ⁽¹⁾	\$658	\$1,316	\$1,974	\$2,632	\$3,290	\$3,948	\$4,604
Technology Fee	50	50	50	50	50	50	50
Student Service Facility Fee	37	37	37	37	37	37	75
Student Programs Fee	12	12	12	12	12	12	25
Health & Wellness Fee	20	20	20	20	20	20	40
Financial Aid Trust	21	21	21	21	21	21	41
Recreation Fee	12	12	12	12	12	12	25
Assoc. Students of AZ	2	2	2	2	2	2	2
Total Undergraduate Resident Tuition & Fees ^{(2) (3) (4) (5) (6)}	\$812	\$1,470	\$2,128	\$2,786	\$3,444	\$4,102	\$4,862

NON-RESIDENT	ENROLLED HOURS											
	1	2	3	4	5	6	7	8	9	10	11	12 & Over
Non-Resident Undergraduate Tuition	\$936	\$1,872	\$2,808	\$3,744	\$4,680	\$5,616	\$6,552	\$7,488	\$8,424	\$9,360	\$10,296	\$11,231
Technology Fee	50	50	50	50	50	50	50	50	50	50	50	50
Student Service Facility Fee	37	37	37	37	37	37	75	75	75	75	75	75
Student Programs Fee	12	12	12	12	12	12	25	25	25	25	25	25
Health & Wellness Fee	20	20	20	20	20	20	40	40	40	40	40	40
Financial Aid Trust	21	21	21	21	21	21	41	41	41	41	41	41
Recreation Fee	12	12	12	12	12	12	25	25	25	25	25	25
Assoc. Students of AZ	2	2	2	2	2	2	2	2	2	2	2	2
Total Undergraduate Non-Resident Tuition & Fees ^{(2) (3) (4) (5) (6)}	\$1,090	\$2,026	\$2,962	\$3,898	\$4,834	\$5,770	\$6,810	\$7,746	\$8,682	\$9,618	\$10,554	\$11,489

*The ASU Tuition Commitment is that full-time undergraduate resident tuition will increase at a reasonable rate from the semester of admission or readmission. For more information about the Tuition Commitment and the Commitment Period please refer to students.asu.edu/tuitionandfees

⁽¹⁾ Resident tuition for enrollment in 7 hours or more is \$1 less during Spring semester.

⁽²⁾ Music Fees & Special Class Fees are dependent on specific class enrollment and are not included here. Fees are available online through Class Search.

⁽³⁾ Undergraduate students with total credit hours in excess of the threshold established by the Arizona Legislature are required to pay tuition on these excess hours. For resident students the excess hours tuition is \$132 per credit hour up to a maximum of \$924

for enrollment in 7 or more hours. For nonresident students the excess hours tuition is \$182 per credit hour up to a maximum of \$2,184 for enrollment in 12 or more credit hours. See students.asu.edu/tuitionandfees for additional information regarding the Undergraduate Excess Hours Tuition.

⁽⁴⁾ If you have been admitted to the Barrett Honors College, an honors fee of \$500 for incoming freshmen and \$450 for continuing students will be assessed each fall and spring semester, in addition to tuition and fees presented above

⁽⁵⁾ All amounts shown in the Tuition and Fees Schedules or in other University publications or web pages represent tuition and fees as currently approved. However, Arizona State University reserves the right to increase or modify tuition and fees without prior notice, upon approval by the Arizona Board of Regents or as otherwise consistent with Board policy and to make such modifications applicable to students enrolled at ASU at that time as well as to incoming students. In addition, all tuition amounts and fees are subject to change at any time for correction of errors. Finally, please note that fee amounts billed for any period may be adjusted at a future date. ⁽⁶⁾ Some graduate and undergraduate programs assess an additional program fee. These fees differ according to the college and or program.

Undergraduate Non-Degree Programs: All Campuses

RESIDENT	ENROLLED HOURS						
	1	2	3	4	5	6	7 & Over
Resident Undergraduate Tuition ⁽¹⁾	\$658	\$1,316	\$1,974	\$2,632	\$3,290	\$3,948	\$4,604
Technology Fee	50	50	50	50	50	50	50
Student Service Facility Fee	37	37	37	37	37	37	75
Student Programs Fee	12	12	12	12	12	12	25
Health & Wellness Fee	20	20	20	20	20	20	40
Financial Aid Trust	21	21	21	21	21	21	41
Recreation Fee	12	12	12	12	12	12	25
Assoc. Students of AZ	2	2	2	2	2	2	2
Total Undergraduate Resident Tuition & Fees ^{(2) (3) (4) (5) (6)}	\$812	\$1,470	\$2,128	\$2,786	\$3,444	\$4,102	\$4,862

NON-RESIDENT	ENROLLED HOURS											
	1	2	3	4	5	6	7	8	9	10	11	12 & Over
Non-Resident Undergraduate Tuition	\$936	\$1,872	\$2,808	\$3,744	\$4,680	\$5,616	\$6,552	\$7,488	\$8,424	\$9,360	\$10,296	\$11,231
Technology Fee	50	50	50	50	50	50	50	50	50	50	50	50
Student Service Facility Fee	37	37	37	37	37	37	75	75	75	75	75	75
Student Programs Fee	12	12	12	12	12	12	25	25	25	25	25	25
Health & Wellness Fee	20	20	20	20	20	20	40	40	40	40	40	40
Financial Aid Trust	21	21	21	21	21	21	41	41	41	41	41	41
Recreation Fee	12	12	12	12	12	12	25	25	25	25	25	25
Assoc. Students of AZ	2	2	2	2	2	2	2	2	2	2	2	2
Total Undergraduate Non-Resident Tuition & Fees ^{(2) (3) (4) (5) (6)}	\$1,090	\$2,026	\$2,962	\$3,898	\$4,834	\$5,770	\$6,810	\$7,746	\$8,682	\$9,618	\$10,554	\$11,489

⁽¹⁾ Resident tuition for enrollment in 7 hours or more is \$1 less during Spring semester.

⁽²⁾ Music Fees & Special Class Fees are dependent on specific class enrollment and are not included here. Fees are available online through Class Search.

⁽³⁾ Undergraduate students with total credit hours in excess of the threshold established by the Arizona Legislature are required to pay tuition on these excess hours. For resident students the excess hours tuition is \$132 per credit hour up to a maximum of \$924 for enrollment in 7 or more hours. For nonresident students the excess hours tuition is \$182 per credit hour up to a maximum of

\$2,184 for enrollment in 12 or more credit hours. See students.asu.edu/tuitionandfees for additional information regarding the Undergraduate Excess Hours Tuition.

⁽⁴⁾ If you have been admitted to the Barrett Honors College, an honors fee of \$500 for incoming freshmen and \$450 for continuing students will be assessed each fall and spring semester, in addition to tuition and fees presented above

⁽⁵⁾ All amounts shown in the Tuition and Fees Schedules or in other University publications or web pages represent tuition and fees as currently approved. However, Arizona State University reserves the right to increase or modify tuition and fees without prior notice, upon approval by the Arizona Board of Regents or as otherwise consistent with Board policy and to make such modifications applicable to students enrolled at ASU at that time as well as to incoming students. In addition, all tuition amounts and fees are subject to change at any time for correction of errors. Finally, please note that fee amounts billed for any period may be adjusted at a future date. ⁽⁶⁾ Some graduate and undergraduate programs assess an additional program fee. These fees differ according to the college and or program.

Undergraduate Degree Programs: Online

RESIDENT	ENROLLED HOURS																	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Resident Undergraduate Online Tuition	\$442	\$884	\$1,326	\$1,768	\$2,210	\$2,652	\$3,094	\$3,536	\$3,978	\$4,420	\$4,862	\$5,304	\$5,746	\$6,188	\$6,630	\$7,072	\$7,514	\$7,956
Technology Fee	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
Student Programs Fee	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Student Service Facility Fee	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Health & Wellness Fee	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Financial Aid Trust	21	21	21	21	21	21	41	41	41	41	41	41	41	41	41	41	41	41
Recreation Fee	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Assoc. Students of AZ	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Total Resident Undergraduate Online Tuition & Fees <small>(1) (3) (4) (5) (6)</small>	\$515	\$957	\$1,399	\$1,841	\$2,283	\$2,725	\$3,187	\$3,629	\$4,071	\$4,513	\$4,955	\$5,397	\$5,839	\$6,281	\$6,723	\$7,165	\$7,607	\$8,049

NON-RESIDENT	ENROLLED HOURS																	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Non-Resident Undergraduate Online Tuition	\$442	\$884	\$1,326	\$1,768	\$2,210	\$2,652	\$3,094	\$3,536	\$3,978	\$4,420	\$4,862	\$5,304	\$5,746	\$6,188	\$6,630	\$7,072	\$7,514	\$7,956
Technology Fee	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
Student Programs Fee	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Student Service Facility Fee	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Health & Wellness Fee	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Financial Aid Trust	21	21	21	21	21	21	41	41	41	41	41	41	41	41	41	41	41	41
Recreation Fee	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Assoc. Students of AZ	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Total Non-Resident Undergraduate Online Tuition & Fees <small>(1) (3) (4) (5) (6)</small>	\$515	\$957	\$1,399	\$1,841	\$2,283	\$2,725	\$3,187	\$3,629	\$4,071	\$4,513	\$4,955	\$5,397	\$5,839	\$6,281	\$6,723	\$7,165	\$7,607	\$8,049

(1) Online tuition is billed per credit hour with no cap. To calculate the increase in tuition, add the tuition cost per hour for each additional hour taken to the tuition and fees total for 18 hours. (2) Special Class Fees are dependent on specific class enrollment and are not included here. Fees are available online through Class Search. (3) Undergraduate students with total credit hours in excess of the threshold established by the Arizona Legislature are required to pay tuition on these excess hours. For resident students the excess hours tuition is \$132 per credit hour up to a maximum of \$924 for enrollment in 7 or more hours. For nonresident students the excess hours tuition is \$187 per credit hour up to a maximum of \$2,246 for enrollment in 12 or more credit hours. See students.asu.edu/tuitionandfees for additional information regarding the Undergraduate Excess Hours Tuition. (4) If you have been admitted to the Barrett Honors College, an honors fee of \$500 for incoming freshmen and \$450 for continuing students will be assessed each fall and spring semester, in addition to tuition and fees presented above. (5) All amounts shown in the Tuition and Fees Schedules or in other University publications or web pages represent tuition and fees as currently approved. However, Arizona State University reserves the right to increase or modify tuition and fees without prior notice, upon approval by the Arizona Board of Regents or as otherwise consistent with Board policy and to make such modifications applicable to students enrolled at ASU at that time as well as to incoming students. In addition, all tuition amounts and fees are subject to change at any time for correction of errors. Finally, please note that fee amounts billed for any period may be adjusted at a future date. (6) Some graduate and undergraduate programs assess an additional program fee. These fees differ according to the college and or program.

Undergraduate Degree Programs: ASU Colleges at Lake Havasu City

RESIDENT	ENROLLED HOURS											
	1	2	3	4	5	6	7	8	9	10	11	12 & Over
Resident Undergraduate Tuition	\$350	\$600	\$850	\$1,100	\$1,350	\$1,600	\$1,850	\$2,100	\$2,350	\$2,600	\$2,850	\$3,000
Technology Fee	50	50	50	50	50	50	50	50	50	50	50	50
Student Service Facility Fee	0	0	0	0	0	0	0	0	0	0	0	0
Student Programs Fee	12	12	12	12	12	12	25	25	25	25	25	25
Health & Wellness Fee	0	0	0	0	0	0	0	0	0	0	0	0
Financial Aid Trust	21	21	21	21	21	21	41	41	41	41	41	41
Recreation Fee	0	0	0	0	0	0	0	0	0	0	0	0
Assoc. Students of AZ	2	2	2	2	2	2	2	2	2	2	2	2
Total Undergraduate Resident Tuition & Fees <small>(1) (2) (3) (4) (5)</small>	\$435	\$685	\$935	\$1,185	\$1,435	\$1,685	\$1,968	\$2,218	\$2,468	\$2,718	\$2,968	\$3,118

NON-RESIDENT	ENROLLED HOURS											
	1	2	3	4	5	6	7	8	9	10	11	12 & Over
Non-Resident Undergraduate Tuition	\$525	\$900	\$1,275	\$1,650	\$2,025	\$2,400	\$2,775	\$3,150	\$3,525	\$3,900	\$4,275	\$4,500
Technology Fee	50	50	50	50	50	50	50	50	50	50	50	50
Student Service Facility Fee	0	0	0	0	0	0	0	0	0	0	0	0
Student Programs Fee	12	12	12	12	12	12	25	25	25	25	25	25
Health & Wellness Fee	0	0	0	0	0	0	0	0	0	0	0	0
Financial Aid Trust	21	21	21	21	21	21	41	41	41	41	41	41
Recreation Fee	0	0	0	0	0	0	0	0	0	0	0	0
Assoc. Students of AZ	2	2	2	2	2	2	2	2	2	2	2	2
Total Undergraduate Non-Resident Tuition & Fees <small>(1) (2) (3) (4) (5)</small>	\$610	\$985	\$1,360	\$1,735	\$2,110	\$2,485	\$2,893	\$3,268	\$3,643	\$4,018	\$4,393	\$4,618

*The ASU Tuition Commitment is that full-time undergraduate resident tuition will increase at a reasonable rate from the semester of admission or readmission. For more information about the Tuition Commitment and the Commitment Period please refer to students.asu.edu/tuitionandfees

⁽¹⁾ Music Fees & Special Class Fees are dependent on specific class enrollment and are not included here. Fees are available online through Class Search.

⁽²⁾ Undergraduate students with total credit hours in excess of the threshold established by the Arizona Legislature are required to pay tuition on these excess hours. For resident students the excess hours tuition is \$132 per credit hour up to a maximum of \$924 for enrollment in 7 or more hours. For nonresident students the excess hours tuition is \$187 per credit hour up to a maximum of \$2,246 for enrollment in 12 or more credit hours. See students.asu.edu/tuitionandfees for additional information regarding the Undergraduate Excess Hours Tuition.

⁽³⁾ If you have been admitted to the Barrett Honors College, an honors fee of \$500 for incoming freshmen and \$450 for continuing students will be assessed each fall and spring semester, in addition to tuition and fees presented above.

⁽⁴⁾ All amounts shown in the Tuition and Fees Schedules or in other University publications or web pages represent tuition and fees as currently approved. However, Arizona State University reserves the right to increase or modify tuition and fees without prior notice, upon approval by the Arizona Board of Regents or as otherwise consistent with Board policy and to make such modifications applicable to students enrolled at ASU at that time as well as to incoming students. In addition, all tuition amounts and fees are subject to change at any time for correction of errors. Finally, please note that fee amounts billed for any period may be adjusted at

a future date. ⁽⁵⁾ Some graduate and undergraduate programs assess an additional program fee. These fees differ according to the college and or program.

Post-Baccalaureate

RESIDENT	ENROLLED HOURS						
	1	2	3	4	5	6	7 & Over
Resident Graduate Tuition ⁽¹⁾	\$714	\$1,428	\$2,142	\$2,856	\$3,570	\$4,284	\$5,001
Technology Fee	50	50	50	50	50	50	50
Student Service Facility Fee	37	37	37	37	37	37	75
Student Programs Fee	12	12	12	12	12	12	25
Health & Wellness Fee	20	20	20	20	20	20	40
Financial Aid Trust	21	21	21	21	21	21	41
Recreation Fee	12	12	12	12	12	12	25
Assoc. Students of AZ	2	2	2	2	2	2	2
Total Graduate Resident Tuition & Fees ^{(2) (3) (4)}	\$868	\$1,582	\$2,296	\$3,010	\$3,724	\$4,438	\$5,259

NON-RESIDENT	ENROLLED HOURS											
	1	2	3	4	5	6	7	8	9	10	11	12 & Over
Non-Resident Graduate Tuition	\$1,023	\$2,046	\$3,069	\$4,092	\$5,115	\$6,138	\$7,161	\$8,184	\$9,207	\$10,230	\$11,253	\$12,275
Technology Fee	50	50	50	50	50	50	50	50	50	50	50	50
Student Service Facility Fee	37	37	37	37	37	37	75	75	75	75	75	75
Student Programs Fee	12	12	12	12	12	12	25	25	25	25	25	25
Health & Wellness Fee	20	20	20	20	20	20	40	40	40	40	40	40
Financial Aid Trust	21	21	21	21	21	21	41	41	41	41	41	41
Recreation Fee	12	12	12	12	12	12	25	25	25	25	25	25
Assoc. Students of AZ	2	2	2	2	2	2	2	2	2	2	2	2
Total Graduate Non-Resident Tuition & Fees ^{(2) (3) (4)}	\$1,177	\$2,200	\$3,223	\$4,246	\$5,269	\$6,292	\$7,419	\$8,442	\$9,465	\$10,488	\$11,511	\$12,533

⁽¹⁾ Resident tuition for enrollment in 7 hours or more is \$1 less during Spring semester.

⁽²⁾ Music Fees & Special Class Fees are dependent on specific class enrollment and are not included here. Fees are available online through Class Search.

⁽³⁾ All amounts shown in the Tuition and Fees Schedules or in other University publications or web pages represent tuition and fees as currently approved. However, Arizona State University reserves the right to increase or modify tuition and fees without prior notice, upon approval by the Arizona Board of Regents or as otherwise consistent with Board policy and to make such modifications applicable to students enrolled at ASU at that time as well as to incoming students. In addition, all tuition amounts and fees are subject to change at any time for correction of errors. Finally, please note that fee amounts billed for any period may be adjusted at a future date. ⁽⁴⁾ Some graduate and undergraduate programs assess an additional program fee. These fees differ according to the college and or program.

Graduate

Student Service Facility Fee	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Health & Wellness Fee	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Financial Aid Trust	21	21	21	21	21	21	41	41	41	41	41	41	41	41	41	41	41	41
Recreation Fee	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Assoc. Students of AZ	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Total Graduate Resident Online Tuition & Fees ^{(1) (2) (3) (4)}	\$536	\$999	\$1,462	\$1,925	\$2,388	\$2,851	\$3,334	\$3,797	\$4,260	\$4,723	\$5,186	\$5,649	\$6,112	\$6,575	\$7,038	\$7,501	\$7,964	\$8,427

NON-RESIDENT	ENROLLED HOURS																	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Non-Resident Graduate Online Tuition	\$463	\$926	\$1,389	\$1,852	\$2,315	\$2,778	\$3,241	\$3,704	\$4,167	\$4,630	\$5,093	\$5,556	\$6,019	\$6,482	\$6,945	\$7,408	\$7,871	\$8,334
Technology Fee	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
Student Programs Fee	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Student Service Facility Fee	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Health & Wellness Fee	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Financial Aid Trust	21	21	21	21	21	21	41	41	41	41	41	41	41	41	41	41	41	41
Recreation Fee	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Assoc. Students of AZ	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Total Graduate Non-Resident Online Tuition & Fees ^{(1) (2) (3) (4)}	\$536	\$999	\$1,462	\$1,925	\$2,388	\$2,851	\$3,334	\$3,797	\$4,260	\$4,723	\$5,186	\$5,649	\$6,112	\$6,575	\$7,038	\$7,501	\$7,964	\$8,427

(1) Online tuition is billed per credit hour with no cap. To calculate the increase in tuition, add the tuition cost per hour for each additional hour taken to the tuition and fees total for twelve hours. (2) Special Class Fees are dependent on specific class enrollment and are not included here. Fees are available online through Class Search. (3) All amounts shown in the Tuition and Fees Schedules or in other University publications or web pages represent tuition and fees as currently approved. However, Arizona State University reserves the right to increase or modify tuition and fees without prior notice, upon approval by the Arizona Board of Regents or as otherwise consistent with Board policy and to make such modifications applicable to students enrolled at ASU at that time as well as to incoming students. In addition, all tuition amounts and fees are subject to change at any time for correction of errors. Finally, please note that fee amounts billed for any period may be adjusted at a future date. (4) Some graduate and undergraduate programs assess an additional program fee. These fees differ according to the college and or program.

New College of Interdisciplinary Arts and Sciences Freshman and Sophomore Undergraduate Degree Programs

RESIDENT Sophomores Admitted Summer 2010 Through Spring 2011**	ENROLLED HOURS						
	1	2	3	4	5	6	7 & Over
Resident Undergraduate Tuition ⁽¹⁾	\$592	\$1,184	\$1,776	\$2,368	\$2,960	\$3,552	\$4,065
Technology Fee	50	50	50	50	50	50	50
Student Service Facility Fee	37	37	37	37	37	37	75
Student Programs Fee	12	12	12	12	12	12	25
Health & Wellness Fee	20	20	20	20	20	20	40
Financial Aid Trust	21	21	21	21	21	21	41
Recreation Fee	12	12	12	12	12	12	25
Assoc. Students of AZ	2	2	2	2	2	2	2
Total Undergraduate Resident Tuition & Fees ^{(2) (3) (4) (5) (6)}	\$746	\$1,338	\$1,930	\$2,522	\$3,114	\$3,706	\$4,323

RESIDENT Freshmen and Sophomores Admitted Summer 2011 Through Spring 2012**	ENROLLED HOURS						
	1	2	3	4	5	6	7 & Over
Resident Undergraduate Tuition ⁽¹⁾	\$592	\$1,184	\$1,776	\$2,368	\$2,960	\$3,552	\$4,144
Technology Fee	50	50	50	50	50	50	50
Student Service Facility Fee	37	37	37	37	37	37	75

Student Programs Fee	12	12	12	12	12	12	25
Health & Wellness Fee	20	20	20	20	20	20	40
Financial Aid Trust	21	21	21	21	21	21	41
Recreation Fee	12	12	12	12	12	12	25
Assoc. Students of AZ	2	2	2	2	2	2	2
Total Undergraduate Resident Tuition & Fees ^{(2) (3) (4) (5) (6)}	\$746	\$1,338	\$1,930	\$2,522	\$3,114	\$3,706	\$4,402

RESIDENT Freshmen and Sophomores Admitted Summer 2012 Through Spring 2013**	ENROLLED HOURS						
	1	2	3	4	5	6	7 & Over
Resident Undergraduate Tuition ⁽¹⁾	\$592	\$1,184	\$1,776	\$2,368	\$2,960	\$3,552	\$4,144
Technology Fee	50	50	50	50	50	50	50
Student Service Facility Fee	37	37	37	37	37	37	75
Student Programs Fee	12	12	12	12	12	12	25
Health & Wellness Fee	20	20	20	20	20	20	40
Financial Aid Trust	21	21	21	21	21	21	41
Recreation Fee	12	12	12	12	12	12	25
Assoc. Students of AZ	2	2	2	2	2	2	2
Total Undergraduate Resident Tuition & Fees ^{(2) (3) (4) (5) (6)}	\$746	\$1,338	\$1,930	\$2,522	\$3,114	\$3,706	\$4,402

NON- RESIDENT Freshmen and Sophomores	ENROLLED HOURS											
	1	2	3	4	5	6	7	8	9	10	11	12 & Over
Non-Resident Undergraduate Tuition	\$842	\$1,684	\$2,526	\$3,368	\$4,210	\$5,052	\$5,894	\$6,736	\$7,578	\$8,420	\$9,262	\$10,108
Technology Fee	50	50	50	50	50	50	50	50	50	50	50	50
Student Service Facility Fee	37	37	37	37	37	37	75	75	75	75	75	75
Student Programs Fee	12	12	12	12	12	12	25	25	25	25	25	25
Health & Wellness Fee	20	20	20	20	20	20	40	40	40	40	40	40
Financial Aid Trust	21	21	21	21	21	21	41	41	41	41	41	41
Recreation Fee	12	12	12	12	12	12	25	25	25	25	25	25
Assoc. Students of AZ	2	2	2	2	2	2	2	2	2	2	2	2
Total Undergraduate Non-Resident Tuition & Fees ^{(2) (3) (4) (5) (6)}	\$996	\$1,838	\$2,680	\$3,522	\$4,364	\$5,206	\$6,152	\$6,994	\$7,836	\$8,678	\$9,520	\$10,366

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

**The ASU Tuition Commitment is that full-time undergraduate resident tuition will increase at a reasonable rate from the semester of admission or readmission. For more information about the Tuition Commitment and the Commitment Period please refer to students.asu.edu/tuitionandfees

							Over
Resident Undergraduate Tuition ⁽¹⁾	\$592	\$1,184	\$1,776	\$2,368	\$2,960	\$3,552	\$4,144
Technology Fee	50	50	50	50	50	50	50
Student Service Facility Fee	37	37	37	37	37	37	75
Student Programs Fee	12	12	12	12	12	12	25
Health & Wellness Fee	20	20	20	20	20	20	40
Financial Aid Trust	21	21	21	21	21	21	41
Recreation Fee	12	12	12	12	12	12	25
Assoc. Students of AZ	2	2	2	2	2	2	2
Total Undergraduate Resident Tuition & Fees ^{(2) (3) (4) (5) (6)}	\$746	\$1,338	\$1,930	\$2,522	\$3,114	\$3,706	\$4,402

NON- RESIDENT Freshmen and Sophomores	ENROLLED HOURS											
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Non-Resident Undergraduate Tuition	\$842	\$1,684	\$2,526	\$3,368	\$4,210	\$5,052	\$5,894	\$6,736	\$7,578	\$8,420	\$9,262	\$10,108
Technology Fee	50	50	50	50	50	50	50	50	50	50	50	50
Student Service Facility Fee	37	37	37	37	37	37	75	75	75	75	75	75
Student Programs Fee	12	12	12	12	12	12	25	25	25	25	25	25
Health & Wellness Fee	20	20	20	20	20	20	40	40	40	40	40	40
Financial Aid Trust	21	21	21	21	21	21	41	41	41	41	41	41
Recreation Fee	12	12	12	12	12	12	25	25	25	25	25	25
Assoc. Students of AZ	2	2	2	2	2	2	2	2	2	2	2	2
Total Undergraduate Non-Resident Tuition & Fees ⁽²⁾ ^{(3) (4) (5) (6)}	\$996	\$1,838	\$2,680	\$3,522	\$4,364	\$5,206	\$6,152	\$6,994	\$7,836	\$8,678	\$9,520	\$10,366

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

**The ASU Tuition Commitment is that full-time undergraduate resident tuition will increase at a reasonable rate from the semester of admission or readmission. For more information about the Tuition Commitment and the Commitment Period please refer to students.asu.edu/tuitionandfees

⁽¹⁾ Resident tuition for enrollment in 7 hours or more is a \$1 less during Spring semester.

⁽²⁾ Music Fees & Special Class Fees are dependent on specific class enrollment and are not included here. Fees are available online through Class Search.

⁽³⁾ Undergraduate students with total credit hours in excess of the threshold established by the Arizona Legislature are required to pay tuition on these excess hours. For resident students the excess hours tuition is \$132 per credit hour up to a maximum of \$924 for enrollment in 7 or more hours. For nonresident students the excess hours tuition is \$182 per credit hour up to a maximum of \$2,184 for enrollment in 12 or more credit hours. See students.asu.edu/tuitionandfees for additional information regarding the Undergraduate Excess Hours Tuition.

⁽⁴⁾ If you have been admitted to the Barrett Honors College, an honors fee of \$500 for incoming freshmen and \$450 for continuing students will be assessed each fall and spring semester, in addition to tuition and fees presented above

⁽⁵⁾ All amounts shown in the Tuition and Fees Schedules or in other University publications or web pages represent tuition and fees as currently approved. However, Arizona State University reserves the right to increase or modify tuition and fees without prior

notice, upon approval by the Arizona Board of Regents or as otherwise consistent with Board policy and to make such modifications applicable to students enrolled at ASU at that time as well as to incoming students. In addition, all tuition amounts and fees are subject to change at any time for correction of errors. Finally, please note that fee amounts billed for any period may be adjusted at a future date. ⁽⁶⁾ Some graduate and undergraduate programs assess an additional program fee. These fees differ according to the college and or program.

Source URL: http://catalog.asu.edu/tuitionandfees/fees_fall2011.html



Registration & Tuition Payment Guide

Fall 2012

**Distributed by:
University Registrar's Office**

Revised 03/06/2012

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Important Reminder

By registering for classes you agree to pay all applicable tuition and registration fees. You will NOT be dropped from your classes for non-payment. If you do not have adequate financial aid to cover tuition costs, and if you do not pay tuition by the applicable deadline, you will be enrolled in the Tuition Installment Plan and assessed a non-refundable \$100 resident/\$200 non-resident enrollment fee. See page 15 for more information.

Semester Calendar - Fall 2012

All dates and times published in this schedule are tentative and are subject to change without notice.

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

Session A: Thursday, 8/23/2012 – Friday, 10/12/2012

Session B: Wednesday, 10/17/2012 – Tuesday, 12/11/2012

Session C: Thursday, 8/23/2012 – Tuesday, 12/11/2012 (Final Exams 12/13/2012-12/19/2012)

Schedule of Classes Available	February 27, 2012		
Registration and Tuition Guide Available	February 28, 2012		
Enrollment Appointments Begin	March 1, 2012		
\$50.00 Late Registration Fee Begins (does not apply to ASU Online students)	August 13, 2012		
Tuition Fee Payment Deadline – For registration from 3/1/2012 through 8/12/2012 for non financial aid students and students that have not accepted any financial aid awards for this semester. For students with accepted financial aid, no payment is due on this date. For more information see http://students.asu.edu/tuitiondeadlines	August 14, 2012		
Classes Begin	Session A August 23, 2012	Session B October 17, 2012	Session C August 23, 2012
Extended Hours (Registration Sites Only)	TBD		
Last day to register or drop/add without college approval	Session A August 24, 2012	Session B October 18, 2012	Session C August 29, 2012
Residency Classification Petition Deadline	August 29, 2012		
Labor Day Observed-University Closed	September 3, 2012		
Tuition & Fees 100% Refund Deadline – For more information see http://students.asu.edu/tuitionrefundpolicy	Session A August 29, 2012	Session B October 23, 2012	Session C September 5, 2012
University 21 st Day	September 12, 2012		
Deadline to Apply for Graduation	October 1, 2012		
Academic Status Report #1	Session A September 5-7, 2012	Session B Oct. 31-Nov.2, 2012	Session C October 1-8, 2012
Fall Break – Classes Excused	October 13-16, 2012		
Academic Status Report #2	Session A N/A	Session B N/A	Session C November 5 – 12, 2012
Course Withdrawal Deadline	Session A September 12, 2012	Session B November 6, 2012	Session C November 7, 2012
Veterans Day Observed – University Closed	November 12, 2012		
Thanksgiving Holiday observed – University Closed	November 22-23, 2012		

Semester Calendar (continued) - Fall 2012

Session A: Thursday, 8/23/2012 – Friday, 10/12/2012 Session B: Wednesday, 10/17/2012 – Tuesday, 12/11/2012 Session C: Thursday, 8/23/2012-Tuesday, 12/11/2012 (Final Exams 12/13/2012-12/19/2012)			
<u>Complete Session Withdrawal Deadline</u> As part of a complete session withdrawal a student must withdraw from all classes in a session. Beginning the first day of classes, undergraduate students are required to work with a Student Retention Coordinator to facilitate the withdrawal process. For more information see http://students.asu.edu/StudentRetention	Session A October 12, 2012	Session B December 11, 2012	Session C December 11, 2012
Classes End/ Last Day to Process Transactions	Session A October 12, 2012	Session B December 11, 2012	Session C December 11, 2012
Reading Day	Session A N/A	Session B N/A	Session C December 12, 2012
Final Exams	Session A Last day of classes	Session B Last day of classes	Session C December 13-19, 2012
Commencement Ceremony for Graduate Students http://graduation.asu.edu	December 19, 2012		
Commencement Ceremony for Undergraduate Students http://graduation.asu.edu	December 20, 2012		
Degree Conferral Date	December 20, 2012		
Final Grades Due	Session A October 14, 2012	Session B December 13, 2012	Session C December 24, 2012
Holiday Break – University Closed	December 24-25, 2012		
Grade Replacement/Academic Standing Processing	December 26-27, 2012		

* See Residential Life for designated move in dates.

** Late Registration fee of \$50 assessed.

*** Classes start on Thursday, August 23, 2012, in order to fully comply with ABOR contract hour requirements

Admission and Registration

Admission/Readmission

Undergraduate admission:

students.asu.edu/admission

Undergraduate readmission:

students.asu.edu/readmission

Graduate admission/readmission:

graduate.asu.edu

Law College:

law.asu.edu

Students who are required to be advised must do so before submitting a registration request. Non-degree undergraduate students may not enroll for more than eight semester hours. Students who have been previously enrolled in a degree program at ASU are not permitted to attend in non-degree status.

Registration Procedures Overview

my.asu.edu

- Step 1: Log into My ASU to view your online enrollment appointment. An enrollment appointment is the date/time that you may begin to register for classes. You may register online or in person anytime after your assigned enrollment appointment begins through end of the drop/add period.*
- Step 2: Check for registration holds on My ASU. If you have an academic advising hold, plan to meet with your academic advisor well before your enrollment appointment occurs.
- Step 3: Review degree and catalog requirements.
- Step 4: Review your Major Map on My ASU (undergraduate students only).
- Step 5: Search for available classes using the Class Search at my.asu.edu.
- Step 6: Register for classes at my.asu.edu or in person at any registrar location <https://students.asu.edu/contact/office-university-registrar>

Step 7: Pay tuition. If you do not have adequate financial aid to cover tuition costs, and if you do not pay tuition by the applicable deadline, you will be enrolled in the Tuition Installment Plan and assessed a non-refundable \$100 resident/\$200 non-resident enrollment fee.

*Students may register for Fall 2012 through August 24, 2012 for Session A, August 29, 2012 for session C, and October 18, 2012 for Session B. However, a \$50 late registration fee is charged beginning Monday, August 13, 2012. This fee does not apply to ASU online students.

Registration/Enrollment General Information

Enrollment Appointments

All students are assigned an online **enrollment appointment** which will permit registration for the Fall 2012 semester. Students should log into My ASU to view their enrollment appointment as soon as possible.

An enrollment appointment is the date and time that a student may begin registering for the next semester. Students may register in person or online anytime after the assigned enrollment appointment begins through the end of the drop/add period.

If you are an entering freshman in the fall semester, your enrollment appointment will be the date of your orientation program. If you are not an entering freshmen, and you do not have an enrollment appointment assigned, contact the University Registrar's Office at 480.965.3124.

Building Your Class Schedule

ASU's registration system will allow you to search the Schedule of Classes/Class Search and build a fall class registration request. You can save that plan (shopping cart) and then later return to it. When you return, you will be able to see if the class status has changed since you built and saved the plan. You can view the online Schedule of Classes/Class Search via My ASU (my.asu.edu). The Fall 2012 Schedule of Classes is available Monday, February 27, 2012.

Registration, cont.

Submitting Your Registration Request

Once you have submitted your schedule request, you will be able to immediately see which courses were successfully added to your schedule. **Note: You may choose to audit a course in which case you attend and participate in the class but do not earn credit. Be sure to obtain instructor’s approval before registering and paying fees. Refer to your catalog and see your academic advisor for additional information about audit enrollment.**

Drop/Add

Anytime after you have a class schedule, you will be able to drop and add courses via My ASU or in person at any registration location through the published drop/add deadline. During this period, you may drop one or more (but not all) scheduled classes. Classes that are dropped do not appear on the student's transcript. A student who wishes to withdraw from his/her last course during the drop/add period must process a complete withdrawal. Colleges or departments may require approvals before a student can add specific classes.

Swap

You can use the swap feature when you want to ensure that you do not drop a class you are already registered for until you have successfully added a replacement class.

Registration Holds

You will be able to view a list of holds that will prevent registration. Items that can prevent you from registering are: unpaid fees, academic advising requirements, immunizations, etc. Do not delay your ability to get the classes you want. Take care of your University business now to eliminate any holds.

To Dos

You will be able to view a list of your To Do items. To Do items display tasks you need to complete, such as completing a financial aid form. To Do items do not restrict registration. However, if you do not accomplish an open To Do item, it can become a Hold on your record. Follow the instructions or contact the appropriate person to make arrangements to complete each pending task as soon as possible.

Tempe campus	West campus	Polytechnic campus	Downtown Phoenix campus
Student Services Bldg, Room 140	University Center Bldg, Room 120	Administration Bldg	University Center Bldg, Room 166
480.965.3124	602.543.8203	480.727.1142	602.496.4372
Monday - Friday 8:00am - 5:00pm			
<p>Offices are closed in observance of the following holidays:</p> <p>Labor Day—September 3, 2012</p> <p>Veterans Day—November 12, 2012</p> <p>Thanksgiving Holiday—November 22-23, 2012</p> <p>Holiday Break—December 24-25, 2012</p>			

A photo ID is required to process transactions in person.

In order to process any registration transaction in a student's absence, a third party must present their photo ID and written authorization signed by the student. A Registration by Proxy Form for a third party must present their photo ID and written purpose is available on the web at students.asu.edu/forms/registration or at any University registration site.

Extended Hours

Check online at students.asu.edu/academic-calendar for the latest schedule of extended hours and for registration sites. Available services include class registration, drop/add and withdrawal, official and unofficial transcripts, enrollment verification, curriculum changes, and distribution of forms.

Before taking advantage of the extended hours, it may be a good idea to call the appropriate office directly for their extended hour times.

Measles Immunization Policy

Arizona State University requires new freshman, transfer, and graduate students to submit proof of two doses of MMR—Measels(rubeola), Mumps and Rubella(German Measles). This is a mandatory requirement for all college students born on or after

Registration, cont.

Measles Immunization Policy, Cont.

January 1, 1957. You will not be permitted to register, add, or drop classes without having met this requirement. If you cannot locate your documentation, the MMR vaccinations and lab test are available for a minimal fee at ASU Health Service.

One of the following may be used as documentation:

- Documentation of two MMR vaccines with the first at around 12 months or older and the second vaccination at least 28 days apart.
- Documentation by a physician of having had Rubeola, Mumps and Rubella diseases.
- Documentation of a positive lab test showing immunity to **RUBEOLA IgG (Measles=Hard measles/10 day measles)**.

When submitting your documentation, please include the cover page that can be found at <https://students.asu.edu/forms/measles-immunization-form>

Mail, Fax or Email to:

IMMUNIZATION DEPARTMENT	FAX#: 480-965-8914
ASU Health Service	Phone#: 480-965-8177
Arizona State University	Email: measles@asu.edu
P.O Box 872104	
Tempe, AZ 85287-2104	

Advising

Admitted undergraduate students who have declared a major should contact an academic advisor in the college or school of their major for advising and for assistance in determining the catalog under which they will graduate. Exploratory/undeclared students should contact University College for academic advising. Many programs require academic advisement prior to registration for classes.

Visit <http://students.asu.edu/advising/directory> for more information regarding ASU Academic Advising.

Instructor-Initiated Drop Option

The instructor of a course has full authority within departmental or other higher-level policies to decide whether or not class attendance is required. During the second week of classes in Fall or Spring, or the first four days of each Summer Session, the instructor can drop a student for non-attendance. In classes which are full, this will allow accommodation of other students requesting the class and help instructors avoid excessive

overrides. Instructor-initiated drops for non-attendance must be based upon concrete evidence of non-attendance and be signed by the Dean or Dean's Designee in the college offering the course. The college will notify the student by mail at the student's currently posted local address. Nothing in this policy contradicts any other policy regarding attendance, religious holidays, or the student's responsibility to notify the instructor in case of absences.

Note: Students should be aware that non-attendance will not automatically result in being dropped. Instructors have the right to exercise this option at their discretion. It is also the student's responsibility to contact the instructor before the end of the first week of classes if absences during that period cannot be avoided.

Withdrawal Policy

Course Withdrawal

After the drop/add period and up to September 12 for Session A, November 6 for Session B, and November 7 for Session C, a student may withdraw from any course with a grade of "W". Withdrawals may be initiated online using My ASU or in person at any registration site. Courses with alternate begin and end dates may have an adjusted withdrawal schedule. Courses from which the student withdraws will remain on the student's transcript with a grade of "W". Any appropriate refunds are issued based on the published Refund Schedule and the date of the withdrawal. To determine whether you will be eligible for a refund after withdrawing, see the Refund Schedule on page 20. It is the student's responsibility to initiate a withdrawal if unable to attend a class. Failure to do so will result in a grade of "E" being assigned for the class. Although students who do not attend class during the first week of a term may be administratively dropped from the class, such withdrawal is at the discretion of the instructor. In special circumstances, a medical withdrawal or academic record change maybe authorized by the Dean of an academic unit if the student petitions for the change and presents documentation of reasons for being unable to attend the class. Please note academic record changes can only be requested after the semester has ended. It is the student's responsibility to petition for such change if appropriate.

Complete Withdrawal

A student may withdraw from all of his or her classes (the student will no longer be enrolled in any classes for the specified semester) through the transaction deadline or the last day of classes for

Registration, cont.

any semester. A grade of “W” is awarded for each class from which the student withdraws. The complete withdrawal deadline is October 12, 2012 for Session A, and December 11, 2012 for Sessions B and C. Beginning the first date of the semester, undergraduate students are required to request a complete withdrawal in person. Making a complete withdrawal from the University is a difficult decision, and ASU has many resources in place to help. Because there may be serious academic and financial consequences to processing a complete withdrawal, you should view complete withdrawal as a final resort. You are encouraged to meet with your academic advisor to explore alternatives.

Note: A student may not avoid any penalty for academic dishonesty by withdrawing from a course. A student may be reinstated to a course to receive a penalty of a reduced or failing grade, or XE. Remember: If you have financial aid or scholarships, be sure you understand minimum credit hour requirements for maintaining those awards.

Military Withdrawal

To completely withdraw due to military activation, immediately contact the Veterans Benefits & Certifications section, in the Pat Tillman Veterans Center. For the Tempe campus, call 480.965.7723; for the West campus call 602.543.8220, to determine whether the call to active duty qualifies for the “Military Activation” policy. For example, students reporting to “boot camp” or required training may not qualify for this policy. Students who qualify will receive some regulatory relief in the recalculation of financial aid and the calculation of tuition and fee charges. Students are also given options regarding their academic records, e.g., complete withdrawal, incomplete grades, etc.

Financial Assistance Withdrawal Policy

Circumstances may necessitate complete withdrawal from the University. For financial aid, a complete withdrawal from the full term or any individual session can affect financial aid eligibility. The outcome of complete withdrawal on your financial aid depends on when the complete withdrawal is initiated and the types of financial aid you received. In all cases, your financial aid must be recalculated.

Official Complete Withdrawal

Federal regulations require the recalculation of Title IV financial aid in cases where a student received financial aid and officially

Withdrew on or before the point which 60% of the semester has lapsed. If a return of aid is required, ASU returns the unearned portion of Title IV financial aid funds to the Federal Programs on behalf of the student. Any return of financial aid funds made by the University will be charged to the student’s University account. Payment to the University will be due on demand. Title IV funds include the Federal Pell Grant, the Federal Supplemental Educational Opportunity Grant (FSEOG), the Federal Perkins Loan, the Leveraging Educational Assistance Partnership (LEAP), the Academic Competitiveness Grant (ACG), the Science and Mathematics Access to Retain Talent Grant (SMART), the Federal Teach Grant, the Iraq and Afghanistan Service Grant, the Federal Direct Subsidized and Unsubsidized Student Loans and the Federal PLUS Loan. Federal Work Study earnings and non-Title IV aid are not included in this formula. However, the student may not continue to work under the Federal Work Study program after their official date of withdrawal.

University Testing Requirements

All new, transfer, or readmitted undergraduate students must meet one of the following testing requirements:

- Take the ACT English, SAT verbal examination, WritePlacer Plus section of the ACCUPLACER, or TOEFL (Test of English as a Foreign Language) and have scores submitted to ASU.
- Receive a score of 4 or 5 for the advanced placement examination in English offered by the College Entrance Examination Board and have scores submitted to ASU.
- Take the CLEP College Composition exam, earning a score of 50 that qualifies for placement in ENG 102, and have scores submitted to ASU.
- Have previously taken or be currently enrolled in WAC101, WAC107, ENG101, ENG102, ENG105, ENG107, or ENG108 at ASU. If the course was taken at ASU before 1980, contact the Records and Enrollment Services Office in SSV140 or at 480.965.3124, before registering for classes.
- Transfer a course equivalent to ENG101, ENG102, ENG105, ENG107, or ENG108 with a grade of “C” (2.00) or higher.

An official transcript showing the grade must be received by ASU. If a student transfers an equivalent composition course from a Maricopa County Community District College, the equivalency is automatically posted, and the student need not take further action. A student transferring a composition course from any

Registration, cont.

other college or university must have the course evaluated for equivalency. Please visit <https://students.asu.edu/node/8476> for an equivalency form. The student should visit the Writing Programs Office, in LL314, or call 480.965.3853 for further assistance.

Placement Exams

A. First-Year Composition

Placement in First-Year Composition courses (WAC101 followed by ENG101 the next semester, or ENG101, or ENG105) is determined by the score earned on the ACT English, SAT Verbal Exam, or Accuplacer. International students from non-English speaking countries will be placed into First-Year Composition courses (WAC107 followed by ENG107 the next semester, or ENG107) according to SAT, ACT, Accuplacer, or TOEFL scores. The Accuplacer may be taken once on campus at the University Testing and Scanning Services, located at 1130 E. University Dr. Suite 204 in Tempe, at regularly scheduled times. Contact the UTSS at 480.965.7146 to make an appointment. Placement in First-Year Composition will be determined as follows:

SAT scores shown are based on the scale for the SAT English test which was first offered in April 1995. Scores on the SAT taken before April 1995 are converted to the scale when entered on the computer. Qualified deaf and hearing-impaired students must receive authorization through the Disability Resource Center in order to register for an appropriate First-Year Composition course.

Students who have taken the Advanced Placement Exam in English offered by the College Entrance Examination Board, the International Baccalaureate English A Exam, or the CLEP College Composition Exam, can contact the Writing Programs Office at 480.965.3853 for more information about placement into first-year Composition courses.

International students who have taken the IELTS exam should contact the Writing Programs Office at 480-965-3853 for placement information.

Exam Score:	Register For:
SAT Verbal 460 and below	WAC101 or WAC107
ACT English 18 and below	WAC101 or WAC107
TOEFL 550PBT / 213CBT / 79iBT and below	WAC107
SAT Verbal 470-610	ENG101 or ENG107
ACT English 19-25	ENG101 or ENG107
TOEFL 560PBT / 220CBT / 83iBT and above	ENG107
SAT Verbal 620 and above	ENG105
ACT English 26 and above	ENG105
Accuplacer score 4 or below	WAC101 or WAC107
Accuplacer score 5, 6, or 7	ENG101 or ENG107
Accuplacer score 8	ENG 105

B. Mathematics Course Placement Exams

Arizona State University requires the **Math Placement Test** to assess a student's prerequisite knowledge for placement into several mathematics courses up to and including first semester calculus. The instrument used for testing is a powerful artificial-intelligence based assessment tool that zeros in on the strengths and weaknesses of a student's mathematical knowledge, reports its findings to the student and then, if necessary, provides the student with a learning environment for bringing this knowledge up to an appropriate level for course placement.

All incoming students must complete the **Math Placement Test** prior to enrollment unless they have transferred an equivalent prerequisite course. The time limit to finish the assessment is 24 hours.

Registration, cont.

Veterans Educational Benefits

Veterans and eligible dependents must apply for veterans educational benefits and then verify their status with Veterans Benefits & Certifications as soon as possible with each new semester. Distance Learning classes have veterans education benefit restrictions. Veterans cannot collect benefits for audited classes.

Tempe, Polytechnic, Downtown Phoenix Campuses or Online	West campus
Pat Tillman Veterans Center Tempe Campus Memorial Union, Lower Level, Room 75	University Center Building, Room 120
480.965.7723	602.543.8220

Student Identification

ASU Sun Devil Cards

Students are required to provide an ASU ID card to receive many ASU services, gain access to educational records, or gain access into secure buildings, classrooms and labs. Each student admitted to ASU now may choose between the NEW Pitchfork ID Debit MasterCard® offered by MidFirst Bank¹ and the basic Sun Card. The NEW Pitchfork Card includes both ASU secure building access and an official Sun Devil Checking Account in a single card. Both cards act as official university IDs and cost \$25*, which may be paid with cash, check, Visa®, MasterCard®, or applied to the student's university account. As proof of identity, students will need their ten-digit ASU ID and a legal photo ID (driver's license, passport, or Military ID, etc.). Call 480.965.CARD (2273) or visit <http://cardservices.asu.edu> for more information. Both the NEW Pitchfork Card and the Sun Card contain a 16-bit iCLASS® chip that allows easy access into classrooms and residence halls without the use of a key.

Do not punch holes in your card, or you will damage your card's functionality.

Both the NEW Pitchfork Card and the Sun Card can be used for a variety of services.



Card Uses	NEW Pitchfork ID Debit MasterCard®	Basic Sun Card
Official ASU Student ID	*	*
Access to secure buildings	*	*
Access for meal plans**	*	*
Access for Maroon & Gold (M&G) Dollars**	*	*
Access to Student Recreation Complex and YMCA Downtown	*	*
Access to academic advising	*	*
Access for exam identification	*	*
Access to library and check out	*	*
Access for athletic events	*	*
Access for campus copying and printing services	*	*
Pay for goods and services anywhere MasterCard® is accepted	*	
Pay at campus vending machines	*	
Pay for campus health services	*	
Pay for campus parking services	*	
Comes with Sun Devil Checking—FREE to ASU students	*	
FREE ATMS nationwide (including MidFirst ASU ATMS on campus)	*	

*The \$25 fee for your card was included in your enrollment deposit. If you need to replace your NEW Pitchfork Card or Sun Card, a \$25 fee will apply. All rules for obtaining a replacement ID card may be found at cardservices.asu.edu.

**Meal Plans and Maroon & Gold (M&G) Dollars are administered by Sun Devil Dining. Call 480.727.DINE (3463) or visit sundeildining.com

¹Member FDIC

Tuition and Fees, cont.

Fall 2012 General Tuition*

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

Fall 2012 tuition rates have not yet been approved, and will be made available as soon as possible.

If you would like to review previous years' tuition rates, they are available at www.asu.edu/admissions/tuitionandfees.

ENROLLED HOURS	1	2	3	4	5	6	7	8	9	10	11	12+
Graduate	Tempe., Downtown Phoenix, Polytechnic, West campuses Degree & Non-degree Seeking											
Resident Students	-	-	-	-	-	-	-	-	-	-	-	-
Non-resident Students	-	-	-	-	-	-	-	-	-	-	-	-
GRADUATE	Online Campus ** Degree Seeking											
Resident Students	-	-	-	-	-	-	-	-	-	-	-	-
Non-resident Students	-	-	-	-	-	-	-	-	-	-	-	-

* The ASU Tuition Commitment is that full-time undergraduate resident tuition will increase at a reasonable rate from the semester of admission or readmission. For more information about the Tuition Commitment Period, please refer to students.asu.edu/tuitionandfees.

** Online tuition is billed per credit hour with no cap. To calculate the increase in tuition, multiply the rate for 1 credit hour by the number of enrolled hours.

NOTE: Rates do not include mandatory registration fees, special class fees, program specific tuition, undergraduate tuition surcharge for excess hours, or extended education tuition. Additional information is available at students.asu.edu/tuitionandfees.

Residency Classification

Residency (tuition) status is initially determined by the application for admission at the time a student applies to the University. Non-resident students who feel they may qualify for resident tuition status must file a petition for reclassification no later than the last day of regular registration. For general information about the requirements, consult the ASU General Catalog or the web at students.asu.edu/residency. Residency classification is a complex process and you are encouraged to petition early during the reclassification period. It is recommended that you submit the appropriate residency petition form along with your \$50.00 non-refundable petition fee to the Residency Classification Office by the appropriate deadline date. Deadline for submitting a reclassification petition for Fall 2012 is August 29, 2012. Failure to petition by the last day of regular registration constitutes a waiver of the student's rights for residency reclassification or appeal for the current semester.

Citizenship or Lawful Presence Requirement

Arizona law requires that students who are seeking consideration for in-state tuition status or aid that is funded in part or in whole by state money to provide verification of citizenship, permanent residency or other lawful immigration status. Most students will be able to be verified through automatic processes such as the financial aid application (FAFSA). Students choosing to go through the FAFSA process should be verified no later than the beginning of July for the Fall term, January for the Spring term and June for the summer term. If the FAFSA has not cleared the verification requirement by the recommended month it is highly possible that documentation is still required.

Fall 2012 Tuition and Fees Due Dates

REGISTRATION ACTIVITY	STUDENT ACCOUNT DUE DATE	AUTOMATIC ENROLLMENT IN THE TUITION INSTALLMENT PLAN
Through August 12, 2012	Tuesday, August 14, 2012	Wednesday, August 15, 2012
August 12, 2012 to September 4, 2012	Tuesday, September 4, 2012	Thursday, September 13, 2012
September 4, 2012 to September 12, 2012	Wednesday, September 12, 2012	Thursday, September 13, 2012
September 12 and later	25th of the Next Month	N/A

Tuition and Fees, cont.

Tuition Billing

Tuition charges will be billed on your student account and may be viewed online through My ASU (my.asu.edu) after registration. (From My ASU, select My Finances in the Quick Links box on the left-hand side.)

By registering for classes you agree to pay all applicable tuition and registration fees.

If tuition is not paid by the applicable tuition due date, or financial aid is not awarded and accepted by the due date, you will be automatically enrolled in the Tuition Installment Plan and charged a non-refundable enrollment fee of \$100 for resident students and \$200 for non-resident students. For students with accepted financial aid sufficient to cover tuition charges, financial aid will automatically pay tuition charges and no action is necessary. For students with accepted financial aid insufficient to cover tuition charges, the payment deadline is extended to Wednesday, September 12, 2012, after which students with unpaid tuition charges in excess of pending aid will be automatically enrolled in the Tuition Installment Plan and charged the non-refundable fee.

Online Billing

Online billing provides reliable and secure access to billing statements any time of day from anywhere in the world along with immediate access to current account information. To view and pay your charges, login to my.asu.edu, click on My Finances located in the Quick Links box on the left-hand side, then click "Make a Payment". Online billing statements are also available through QuikPAY by clicking "View Account". Students are responsible to review their ASU e-mail account for notification of billing statements and to login to their student account on My ASU for current billing information. **Billing statements are not mailed.**

Students may authorize others to view and pay their ASU student account through QuikPAY. Log in to my.asu.edu, select My Finances on the left-hand side, then click "Make a Payment". Once directed to QuikPAY select Authorized Payers from the left windowpane and enter the requested information for each person to

be authorized on the account. Authorized Payers must have a valid email account.

eCheck Payments

eChecks are ASU's preferred payment method and are accepted online with no service charge or additional cost to the student. Make eCheck payments on QuikPAY by logging in to My ASU (my.asu.edu), select My Finances in the Quick Links box on the left-hand side, then click "Make a Payment" to be directed to the online payment processor. eChecks are a fast and simple payment method that can be made from regular U.S. checking and savings accounts in U.S. dollars. Checks issued from money market accounts, credit card companies, mutual funds, brokerage accounts, home equity or other lines of credit cannot be processed as an eCheck. Additional information is available at students.asu.edu/tuitionandbilling, see Payment Options.

Credit Card Payments

ASU does not directly accept credit or debit card payments for tuition or other student account charges. The University has arranged for a third-party processor to accept MasterCard, Discover, and American Express credit and debit card payments online. The processor will charge a 2.5% service charge for credit and debit card payments in addition to the ASU payment amount. The service charge is not paid to ASU and is non-refundable, even if related payment to ASU is refunded. Credit and debit card payments may be made on QuikPAY by logging in to My ASU (my.asu.edu). Click on My Finances in the Quick Links box on the left-hand side, then click "Make a Payment" to be directed to the online payment processor. Credit and debit card payments are not accepted by mail, in person, or over the phone. VISA credit and debit cards are not accepted.

Personal Checks

Checks payable to Arizona State University and without restrictive endorsement are generally acceptable. Mail checks to Cashiering Services, Arizona State University, PO Box 870303, Tempe, AZ 85287-0303. Include your ASU ID number. Check payments should be mailed at least two weeks prior to the applicable tuition due date to avoid automatic enrollment in the Tuition Installment Plan. Check payments are also accepted in person at all campuses. **See Tuition Hours on page 16.**

Tuition and Fees, cont.

Tuition Installment Plan

The Tuition Installment Plan provides students with the option to budget payment of tuition, program tuition, and health insurance over several months. Students may enroll themselves in the plan through my.asu.edu or they will be automatically enrolled if tuition charges are not paid in full by the applicable due date. There is a per-semester non-refundable fee of \$100 for resident students and \$200 for non-resident students. For information on how the fees are broken down, go to students.asu.edu/tuitioninstallmentplan. Please note that the enrollment fee is non-refundable, even if the student withdraws from classes.

All students are eligible to enroll in the Tuition Installment Plan beginning July 1, after they register for classes. Once a student enrolls for classes, he or she will not be withdrawn from classes during the current semester for non-payment. Students must withdraw from classes if they decide not to attend. If students enrolled in the plan do not make scheduled payments, monthly late fees will be assessed until the account is brought current on payments, registration in future semesters will be blocked, and access to other University services, such as official transcripts and diplomas, will be withheld.

Tuition Payment with Financial Aid

Financial aid is posted to your student account and used to pay tuition and other student account charges, with any excess financial aid immediately refunded to you. Any institutional charges incurred after financial aid disbursement are the student's responsibility to pay by the due date. Financial aid awards generally only pay charges in the semester for which the aid is intended, and you may be refunded excess financial aid for one semester and still have a balance owed for another semester. If you receive a refund, ensure that all charges have been paid by logging in to My ASU (my.asu.edu) and clicking on My Finances.

For students with accepted financial aid sufficient to cover tuition charges, financial aid will automatically pay tuition charges and no further action is necessary. For students with accepted financial aid insufficient to cover tuition charges, the payment deadline is extended to Wednesday, September 12, 2012, after which students with unpaid tuition charges in excess of pending aid will be automatically enrolled in the Tuition Installment Plan.

Note: If financial aid is not awarded and accepted by the tuition due date, tuition charges must be paid in full to avoid automatic enrollment in the Tuition Installment Plan and assessment of the non-refundable Tuition Installment Plan fee of \$100 for resident students and \$200 for non-resident students.

By registering for classes you agree to pay all applicable tuition and registration fees. Classes are not automatically cancelled for non-attendance or non-payment.

Taxability of Scholarships and Fellowships: Scholarships, grants, fellowships and stipends (but not loan funds) are taxable income to the recipient, except for the portion of these funds used for tuition, registration, other University fees, and books, supplies and equipment required for the courses being taken. Special tax regulations also apply to non-resident alien students and may require withholding of taxes at the time of aid disbursement to these individuals. Information on the taxability of scholarships can be obtained from the following IRS publications and forms: Publication 970, Tax Benefits for Education, Pub 519-U.S. Tax Guide for Aliens, Form 1040EZ and instructions - Income Tax Return for Single and Joint Filers with No Dependents, Form 1040NR and instructions - U.S. Non-resident Alien Income Tax Return. These publications and forms can be obtained from the Internal Revenue Service at their toll free number 1.800.829.FORM or online at www.irs.gov.

The Student Financial Assistance Withdrawal Policy will apply when a student receives financial aid funds and subsequently withdraws, drops out, takes an unapproved leave of absence, fails to return from an approved leave of absence, is expelled, or otherwise fails to complete the period of enrollment for which he or she was charged. **See page 8 in this handbook or online at students.asu.edu/financialaidpayment.**

Students with loans who would like to cancel or reduce their loans must inform the Student Financial Assistance Office in person within 14 days of the disbursement.

Tuition and Fees, cont.

Tuition Payment with Prepaid or College Savings Plans

Prepaid or College Savings Plan payments made payable to Arizona State University are generally accepted. Mail checks to Cashiering Services, Arizona State University, PO Box 870303, Tempe, AZ 85287-0303. Include the student's ASU ID number. Prepaid or College Savings Plan payments should be mailed at least two weeks prior to the applicable tuition due date to avoid automatic enrollment in the Tuition Installment Plan and assessment of the non-refundable installment plan fee. Notification to Arizona State University of pending payments by the Prepaid or College Savings Plan does not exempt a student from automatic enrollment in the Tuition Installment Plan and assessment of the non-refundable installment plan fee.

Sponsorship by Approved Governmental and Third-Party Agencies

Submit sponsorship authorization in person at the Student Accounts Office or by fax to 480.965.9242. Failure to do so by the tuition payment deadline will result in automatic enrollment in the Tuition Installment Plan and assessment of a non-refundable enrollment fee of \$100 for resident students and \$200 for non-resident students. An acceptable letter of authorization must be submitted to the Student Accounts Office by September 26, 2012.

A \$75 **per semester** Sponsored Tuition Fee will be assessed to each sponsored student. Sponsored students are responsible for all tuition, fees, and late charges if the sponsoring agency fails to pay by the due date of the invoice. Questions about third party sponsorship may be directed to the Student Accounts Office at 480.965.2436 or 480.965.4029.

International students who are required to carry student health insurance and are using coverage through their sponsor must receive approval from ASU Campus Health Services, Room 124, 480.965.2411. Governmental and Third-Party Agencies must have offices in the United States with invoices directed to a U.S. address.

Tuition Payment Hours and Locations

Tempe campus	West campus	Polytechnic campus	Downtown Phoenix campus
Student Services Bldg, 2nd Floor	University Center Bldg, Ste 101	Student Affairs Complex, QUAD 2, Bldg 350	University Center Bldg, Ste 112
480.965.7468	602.543.6708	480.727.1081	602.496.2274
M-F 8:15am - 4:30pm	M-F 8:15am - 4:30pm	M-F 8:30am - 4:30pm	M-F 8:15am - 4:30pm
Offices are closed in observance of the following holidays: November 12, 2012 November 22-23, 2012 December 24-25, 2012 January 1, 2013 January 21, 2013			

Employee Reduced In-state Tuition

Partial waivers are available to faculty and staff who are employed at least 50% time within the state University system, and to their spouses and dependent children. Employees must fill out the Employee Tuition Waiver Form every semester they attend, which can be obtained at Human Resources, the Student Accounts Office, or at asu.edu/hr/forms/index.html. The completed form may be submitted to Student Accounts (Tempe Campus), Student Services Building Room 230, or at the West, Polytechnic, or Downtown Phoenix campus Cashiering Offices. The form may also be faxed to 480.965.9242. The tuition waiver does not cover 100% of your tuition and fees. The non-waived portion of the tuition and fees will be billed on your student account and should be paid by the due date to avoid late fees.

Please submit early.

Tuition and Fees, cont.

Non-residents are not eligible for Tuition Waivers. Please contact Residency Classification at 480.965.7712. Residency processing can be time-consuming, so apply early. You must be employed on the first day of the semester to be eligible for employee reduced in-state tuition. Employee Tuition Waivers must be processed by the Student Accounts Office on or before the first day of the session to qualify for reduced tuition. Waivers submitted after the first day of the session will not be accepted and you will be held responsible for the full tuition and fees.

Graduate Assistants

Students identified as Research and Teaching Assistants receive tuition assistance if they meet employment and class enrollment requirements. RA/TA remissions do not cover 100% of tuition and fees. If eligible for a remission, the remaining tuition and fees will be billed on your student account with a October 25, 2012 due date.

Differential Program Tuition

Certain graduate, undergraduate, colleges and programs assess additional differential tuition and program tuition which differs according to college and/or program. Contact your program advisor for details on these fees or see the Tuition Estimator at students.asu.edu/costs.

Excess Hours Tuition

The Arizona Legislature enacted legislation in 2005 (A.R.S. § 15-1626) that establishes credit hour thresholds for undergraduate students who attend a public university in Arizona. Undergraduate students who enroll for credit hours beyond the applicable threshold of 145 hours are required to pay a tuition surcharge. The tuition surcharge is billed in addition to tuition, program tuition, mandatory fees and class fees. See students.asu.edu/tuitionandfees for additional information.

Special Class Fees

Special class fees are assessed based on enrollment in specific

classes. Class fees are published with each class through [class search](#).

Financial Aid Trust Fee

All students are assessed a mandatory financial aid trust fee as authorized by the Arizona Legislature to create a Financial Aid Trust Fund, from which Financial Aid Trust Grants are awarded under the usual aid eligibility criteria. Fees collected from students are matched by the State of Arizona. See the Tuition and Fees Schedule at students.asu.edu/tuitionandfees.

Technology Fee

All students are assessed a mandatory technology fee as authorized by the Arizona Board of Regents to fund technology initiatives and improve access on all campuses. See the Tuition and Fees Schedule at students.asu.edu/tuitionandbilling.

Student Programs Fee

All students are assessed a mandatory student programs fee as authorized by the Arizona Board of Regents to provide funding for new or enhanced facilities and student support programming. See the Tuition and Fees schedule at students.asu.edu/tuitionandfees.

Arizona Students' Association (ASA) Fee

The Arizona Students' Association is a non-profit, higher education advocacy organization that represents Arizona public university students to the ABOR, State Legislature, and U.S. Congress. During 1996-1997, students at the state universities voted to change the mechanism for funding the ASA to a fee, which will be charged to each student each semester. Any refunds for this fee will be provided through ASA Central Office at 1.877.294.6900 (toll free) or 602.294.6900. You may also pickup a refund form to complete from the ASASU Business Office (Tempe campus) in the Memorial Union Room 311 or Student Life (West campus) in UCB 221. The refund forms will be available for the first 21 days of classes.

Tuition and Fees, cont.

Recreation Fee

All students are assessed a recreation fee allowing access to recreation facilities on all four ASU campuses. See the Tuition and Fees Schedule at students.asu.edu/tuitionandfees. Faculty/staff who are attending classes and all online students are not assessed the recreation fee. Please contact the Student Recreation Complex at 480.965.8900 for information on how to become a member.

Health and Wellness Fee

All students are assessed a health and wellness fee as authorized by the Arizona Board of Regents to enhance services for students who seek both preventative and acute care and to expand outreach and wellness education and services.

Student Service Facility Fee

All students are assessed a Student Services Facility Fee as authorized by the Arizona Board of Regents to provide funding for new and enhanced student service facilities. See the Tuition and Fees schedule at students.asu.edu/tuitionandfees.

Late Registration Fee

All students who register Sunday, August 12, 2012 and after, will be **assessed a late registration fee of \$50.00**. Registration after the published deadline may be permitted under extraordinary circumstances if approved by an authorized College designee. Late fees are not refundable.

Tuition Receipt

For students requiring tuition receipts for insurance, reimbursement, or other reasons, login to my.asu.edu and click My Finances in the Quick Links box on the left-hand side, then click View History and select the Tuition Receipt tab at the top of the page. For in person assistance or additional documentation, see campus locations under "Tuition Payment Hours", page 16.

Delinquent Financial Obligations

Students with delinquent accounts will not be allowed to register for classes or obtain official transcripts or diplomas. The University reserves the right to involuntarily withdraw students with severely delinquent accounts from current semester courses. University billings not paid by the due date are subject to monthly

late charges beginning 30 days past due and continuing monthly until paid in full. The monthly late charge for past due balances between \$20-\$75 is \$15, for balances between \$76-\$750 is \$25, for balances between \$751-\$3,000 is \$50 and for balances greater than \$3,000 is \$75. Former students with outstanding charges may be referred to an outside collection agency with late fee assessment continuing monthly until paid in full.

Returned Checks

A \$25 fee is assessed for returned checks and eChecks. Students with multiple returned checks or eChecks are subject to a permanent registration hold requiring advanced payment in secure funds prior to registration or access to other University services.

Student Health Insurance

Eligibility: Group Health insurance is available to:

- **Undergraduate students** registered for at least seven units or have a consortium agreement to take courses at another qualified college with an overall credit hour total of at least seven units
- **Graduate students** enrolled in degree or certificate programs, and taking at least three credit hours or one dissertation/thesis hour
- Group Health Insurance is available to undergraduate students registered for at least seven units, or have a consortium agreement to take courses at a qualified college with an overall credit hour total of at least seven units, graduate students enrolled in degree or certificate programs, and taking at least 3 credit hours or one dissertation/thesis hour. Student Health Insurance enrollment is an available option through My ASU (my.asu.edu) by selecting Health and Wellness in the Quick Links. Open enrollment is online through the first two weeks of class.
- **International student** enrollment in Student Health Insurance is mandatory and the cost of insurance is automatically added to registration fees. Waiver exception may apply. For additional information or waiver application <http://students.asu.edu/internationalstudenthealth>

Tuition and Fees, cont.

Student Health Insurance enrollment is available through My ASU (my.asu.edu) by selecting Health and Wellness in the Quick Links box on the left-hand side of the page. Once enrolled for Student Health Insurance, you will be automatically re-enrolled into the plan each subsequent semester once you have registered for classes. The premium will be billed to your student account.

Coverage may be added or dropped until **September 5, 2012**. Complete withdrawal from the University on or before **September 5, 2012** will not result in automatic cancellation of student health insurance. Go to my.asu.edu and select Health and Wellness in the Quick Links box on the left-hand side to cancel enrollment in student health insurance. The insurance **cannot** be cancelled if complete withdrawal from the University occurs after **September 5, 2012**, or if the insurance has been utilized.

Additional information about coverage, eligibility, spouse and dependent coverage, cost, payment options and coverage limits, can be found at students.asu.edu/health or [Aetna Student Health enrollment information](#).

Institutional Refund Policy

Tuition and Fees

Tuition and fees are subject to a 100% refund if enrollment is officially cancelled within the refund period. In the Fall semester, for classes eight weeks or longer, the refund period is two weeks, and for classes shorter in length the refund period is one week. For Fall 2012 classes, 8 weeks or longer, the 100% refund period extends through the first two weeks of the semester to September 5, 2012. Tuition and fees are **non-refundable** thereafter.

Beginning the first day of classes, undergraduate students are required to work with a Student Retention Coordinator to facilitate the withdrawal process. For more information call 480.965.0493

The 100% refund period is one week for sessions shorter than eight weeks and dynamically dated classes. All refunds are less any amounts owed to the University and are subject to payment holding periods. Students withdrawing for medical or other extenuating circumstances must contact their college to initiate the process. Tuition is non-refundable after the first week of these sessions/classes.

The University provides a prorated refund for students receiving financial aid; therefore, the refund schedule is the minimum amount refundable to these students. Withdrawal or cancellation occurs on the calendar day that withdrawal is processed either in person at any Registrar site or online using My ASU. See students.asu.edu/financialaidpayment for the Financial Aid Withdrawal Policy.

Student Account Refund (Disbursement)

Financial aid is posted to your student account and used to pay University charges such as tuition and Residential Life fees. Refunds of excess financial aid will be processed beginning the week before classes and will continue to be processed throughout the semester. Any changes to your schedule that results in a fee increase or any other fees incurred after financial aid disbursement, will be your responsibility to pay by the due date. You may view details of your student account, including financial aid refunds, by logging into my.asu.edu and selecting My Finances in the Quick Links box on the left-hand side, then clicking "View History".

Note: To receive your financial aid refund beginning the week before classes, you must register for classes, complete your financial aid packet, and accept your loans at least two weeks before the semester begins. Financial aid refunds will be mailed or direct deposited to your bank account.

Refund by direct deposit to your bank account is available and is the most convenient way to receive student account refunds. Direct deposit enrollment is available at My ASU (my.asu.edu) by selecting My Finances in the Quick Links box on the left hand side, then selecting Direct Deposit Enrollment in the Helpful Links section on the right. Further information is available at students.asu.edu/tuitionandbilling or in the Student Accounts Office on the 2nd floor of the Student Services Building (Tempe campus). Direct deposit enrollment must be completed a minimum of two weeks prior to your refund being issued. For students not enrolled in direct deposit, or who do not meet the direct deposit enrollment deadline, refund checks will be mailed. Keep your mailing address up to date to ensure that refund checks are received in a timely manner. View and update your address on My ASU by clicking on "My Profile" in the top-right corner. If you request a replacement check there is a \$20 per check reissue fee. **All student account refund checks will be mailed.**

Tuition and Fees, cont.

Fall 2012 Refund Schedule

Fall 2012—Session A

Drop/Withdrawal Date	Tuition/Program Tuition	Special Class Fees	Recreation Fee Technology Fee Health/Wellness Fee Student Programs Fee	FA Trust Fee ASA Fee
Wednesday, August 29, 2012	100%	100%	100%	100%
After Thursday, August 30, 2012	0%	0%	0%	0%

Fall 2012—Session B

Drop/Withdrawal Date	Tuition/Program Tuition	Special Class Fees	Recreation Fee Technology Fee Health/Wellness Fee Student Programs Fee	FA Trust Fee ASA Fee
Tuesday, October 23, 2012	100%	100%	100%	100%
After Wednesday, October 24, 2012	0%	0%	0%	0%

Fall 2012—Session C

Drop/Withdrawal Date	Tuition/Program Tuition	Tuition/Program Tuition	Recreation Fee Technology Fee Health/Wellness Fee Student Programs Fee	FA Trust Fee ASA Fee
Wednesday, September 5, 2012	100%	100%	100%	100%
After Thursday, September 6, 2012	0%	0%	0%	0%

(1) Beginning the first day of the term, undergraduate students are required to request complete withdrawal in person; withdrawal from all classes is not permitted online. To receive 100% refund, complete withdrawal must be completed in person for Session A by Wednesday, August 29, 2012, for Session B by Tuesday, October 23, 2012, and for Session C by Wednesday, September 5, 2012.

Transportation Options

For all transportation related inquiries, including parking permit rates and locations, free campus shuttle service, Valley Metro bus and METRO light rail passes, routes and hours of operation, and visitor parking, please visit the ASU Parking and Transit Services website at <http://parking.asu.edu>.

Tempe campus	West campus	Polytechnic campus	Downtown Phoenix campus
University Towers Suite 105 525 S. Forest Avenue Tempe, AZ 85287	Welcome & Information Bldg 4776 W. University Way N. Glendale, AZ 85069	Quad 4 7107-4 E. Tiburon Mesa, AZ 85212	University Center Suite 116 411 N. Central Avenue Phoenix, AZ 85004
480.965.6124	602.543.PARK (7275)	480.727.2PRK (2775)	602.496.1023

Campus Maps

Utilizing www.asu.edu/map is a great resource for finding your way around any of the ASU campuses, finding public parking, wireless computing zones, buildings and facilities such as bookstores, computer labs, and more.

Tempe campus	West campus
http://www.asu.edu/map/interactive/?campus=tempe	http://www.asu.edu/map/interactive/?campus=west
Polytechnic campus	Downtown Phoenix campus
http://www.asu.edu/map/interactive/?campus=polytechnic	http://www.asu.edu/map/interactive/?campus=downtown
Research Park	Skysong
http://www.asu.edu/map/interactive/?campus=researchpark	http://www.asu.edu/map/interactive/?campus=skysong

Ombudspersons

While all faculty and staff within the University community serve to facilitate matters, the following individuals have been designated to serve as ombudspersons (impartial fact-finders and problem solvers). They have no power to reverse or change decisions but have conciliation skills to help resolve matters.

Chair	Paul Karoly	College of Liberal Arts and Sciences	480.965.5404
Academic / Student Affairs	Barbara Colby	College of Liberal Arts and Sciences	480.965.6506
	Kaylen Cons	Student Affairs	480.965.5302
	Patrick O'Rourke	Residential Life	480.965.1543
Academic Professionals	Dick Filley	Ira A. Fulton School of Engineering	480.965.0903
	William Gentrup	College of Liberal Arts and Sciences	480.965.4661
Staff Personnel	Michelle Johnson	ASU Gammage	480.965.5602
Tempe Campus	Barzin Mobasher	Ira A. Fulton School of Engineering	480.965.0141
	Paul Karoly	College of Liberal Arts and Sciences	480.965.5404
	Ronald Rutowski	College of Liberal Arts and Sciences	480.965.4369
	Tamara Underiner	Herberger Institute of Design and the Arts	480.965.7323
West Campus	David Moore	College of Teacher Education and Leadership	602.543.6333
	Duku Anokye	New College of Interdisciplinary Arts and Sciences	602.543.6020
Polytechnic Campus	Jean Stutz	College of Technology and Innovation	480.727.1234
	Narcisco Macia	College of Technology and Innovation	480.727.1528
Downtown Campus	Beatrice Kastenbaum	College of Nursing and Health Innovation	602.496.2644
	Edwin Gonzalez-Santin	College of Public Programs	602.496.0101
	Kevin Ellsworth	School of Letters and Sciences	602.496.0658

University Policies

Family Educational Rights and Privacy Act

General Information

The federal Family Educational Rights and Privacy Act (also known as FERPA, and/or the Buckley Amendment) affords students certain rights with respect to their education records. They are:

1. The right to inspect and review the student's education records within 45 days of the day the University receives a request for access.

Students should submit to the registrar, dean, head of the academic department, or other appropriate official, written requests that identify the record(s) they wish to inspect. The University official will make arrangements for access and notify the student of the time and place where the records may be inspected. If the records are not maintained by the University official to whom the request was submitted, that official shall advise the student of the correct official to whom the request should be addressed.

Note: Students must provide photo identification in order to access their education records.

2. The right to request the amendment of the student's education records that the student believes are inaccurate or misleading.

Students who believe their record is inaccurate or misleading should write to the University official responsible for the record. Clearly identify the part of the record they want changed, and specify why it is inaccurate or misleading.

If the University decides not to amend the record as requested by the student, the University will notify the student of the decision and advise the student of his or her right to a hearing about the request for amendment. Additional information about the hearing procedures will be provided to the student when notified of the right to a hearing.

Note: FERPA does not address grade disputes or grievances which are pursued through other University and/or college procedures.

3. The right to consent to disclosures of personally identifiable information contained in the student's education records, except to the extent that FERPA authorizes disclosure without consent.

One exception which permits disclosure without consent is disclosure to school officials with legitimate educational interest. School officials are administrators, faculty, professional staff, academic advisors, clerical or support employees, including ASU law enforcement unit personnel and ASU health staff, volunteers, a person or company with whom the University has contracted as its agent, acting with legitimate educational interest to provide a service instead of using University employees or officials (such as an attorney, auditor, collection agent, service provider); a person serving on the Board of Regents; staff in the Alumni Association and ASU Foundation offices, or a student serving on an official committee, such as a disciplinary or grievance committee, or assisting another school official in performing his or her tasks.

Additional exception categories may be found in SSM 107-01: Release of Student Information which is located on the web at <http://www.asu.edu/aad/manual/ssm/ssm107-01.html>

A school official has a legitimate educational interest if the interest in an education record is justified under one or more of the following conditions:

- The information or records requested are relevant and necessary to accomplish some task or determination related to the legitimate educational interest of the student;
- the official needs to review an education record in order to fulfill his or her professional responsibilities for the University;
- the task or determination is an employment responsibility or a properly assigned subject for the inquirer's determination and/or
- the task or determination is consistent with the purpose for which the records, information, or data are maintained.

Note: A parent of a dependent student may challenge denial of access to the dependent student's record by producing the most current copy of Internal Revenue Form 1040. (Dependency is defined in Section 152 of the Internal Revenue Code.) If that form lists the student in question as a dependent, the parent

University Policies, cont.

will be required to sign an Affidavit of Dependency which affirms that the student is his/her tax dependent. The affidavit will be retained by the University Registrar's Office and must be renewed each tax year. Upon receipt of these documents, the dependent student records will be made available to the parent as specified under FERPA.

4. The right to file a complaint with the U.S. Department of Education concerning alleged failures by Arizona State University to comply with the requirements of FERPA. Students are encouraged to first contact the University Registrar's Administration Office at 480.965.7302. A complaint may be filed with the Department of Education at the following address:

Family Policy Compliance Office

U.S. Department of Education

400 Maryland Avenue, SW

Washington, DC 20202

Definitions:

Student is any individual formally admitted and is or has been in attendance at ASU. The term does not apply to applicants for admission, nor does it apply to persons who have been admitted but who have not registered.

Education Record is any record(s) directly related to a student and maintained by Arizona State University or by a party acting for the University. This includes any information or data recorded in any medium, including, but not limited to: handwriting, print, computer media, video or audio tape, film, microfilm, and microfiche.

Directory Information (or releasable information) is general information that may be released to anyone without the consent of the student, unless the student indicates otherwise, except to the extent that FERPA authorizes disclosure without consent, including:

- Student Name
- Addresses (e.g., local, home, mailing and ASU e-mail, including directory number)

- Telephone Number(s)
- Date of Birth
- College
- Major
- Academic Level
- Dates of Attendance
- Enrollment status (e.g., undergraduate or graduate, full-time or part-time)
- Most Recently Attended Institution
- Participation in Officially Recognized Activities/Sports
- Weight/Height of Members of Athletic Teams
- Degrees, Honors and Awards Received (including National Merit, National Achievement, and National Hispanic Scholars)

Personally Identifiable Information (or non-releasable information) includes all information not defined as directory information, plus any information including directory information that the student has instructed ASU not to release. Personally identifiable information may not be released without the prior written consent of the student, except to the extent that FERPA authorizes disclosure without consent.

Student Control of Directory Information

Students may control release of directory information by submitting the appropriate form to any University registration location.

Unless otherwise requested, a student's name, email address, academic level, college and major may appear in the directory of faculty, staff, and students on ASU's web directory. To avoid the release of directory information in the printed directory, complete the appropriate form located at students.asu.edu/forms/withhold-directory-information-request.

University Policies, cont.

ASU has a policy that regulates and permits the sale of enrolled student directory information only through the University Registrar’s Office. Unless otherwise directed by the student, directory information is subject to sale to outside purchasers.

Students accessing education records or receiving University services must provide proof of identification.

Questions or requests for additional information maybe directed to any University registration location. Additional information, including FAQ’s, is available on the web at <http://students.asu.edu/policies/ferpa>.

Discrimination Complaints

Complaints of alleged discrimination in employment and educational programs and activities on the basis of race, color, religion, national origin, sex, gender identity, sexual orientation, age, disability, and qualified veteran statuses may be referred to the Office of Equity and Inclusion for review, investigation and resolution. Any employee or student may visit with the Office of Equity and Inclusion to discuss, any concern without fear of jeopardizing job or academic standing with the University.

Sexual Harassment

The University prohibits sexual harassment of employees, students and members of the public and will not tolerate sexual harassment that unlawfully interferes with an individuals work or educational performance or if it creates an intimidating, hostile,

Office of Equity and Inclusion
University Services Building (USB) 1511 S. Rural Road Tempe, AZ 85287
480.965.5057 (Voice)

or offensive working, learning, or residential environment. The following conduct shall constitute violation of this policy:

1. Making sexual advances or requesting sexual favors if submission to or rejection of such conduct is the implicit or explicit basis for imposing or granting terms and conditions of employment or education at the University;

2. Making sexual advances, requesting sexual favors, or otherwise discriminating on the basis of gender in a manner that unlawfully creates an intimidating, hostile, or offensive working, residential, or educational environment at the University or that otherwise unlawfully interferes with an individual’s work or educational performance;
3. Engaging in any sexual contact against a person who has not given consent or committing any act of sexual assault, public sexual indecency or sexual abuse against a person who has not given consent, if the act is committed on University property or in connection with any University sponsored event or activity;
4. Acting, recommending action, or refusing to take action in a supervisory position in return for sexual favors, or as a reprisal against a person who has rejected, reported, filed a complaint regarding, or been the object of sexual harassment; or
5. Disregarding, failing to investigate, or delaying investigation of allegations of sexual harassment to the extent that action, reporting, or investigation is appropriate or required by one’s supervisory position.

University policy does not prohibit fully consensual amorous relationships. Even an apparently consensual amorous relationship, however, may lead to sexual harassment or other breaches of professional obligations, particularly if one of the individuals in the relationship has a professional responsibility toward or is in a position of authority with respect to the other, such as in the context of instruction, advisement, or supervision. Due to the power difference, it may be difficult to avoid the appearance of favoritism or to assure a truly consensual relationship. Amorous relationships may result in conduct that amounts to sexual harassment or that violates the professional duties of even-handed treatment and maintenance of an atmosphere conducive to learning or working.

University Policies, cont.

Specifically, if involved in an amorous relationship with someone over whom he/she has supervisory authority, the individual must remove himself/herself from any participation in recommendations or decisions affecting, evaluation, employment conditions, instruction, or the academic status of the other person in the relationship, and must inform his/her immediate supervisor. Contact the Office of Equity and Inclusion for information or assistance:

All campuses
Office of Equity and Inclusion (ASU Title IX Officer) Voice: 480.965.5057

Disability Accommodations

To facilitate the availability of reasonable and effective disability accommodations from the first day of class, qualified students must use the following process:

- Register for classes on their assigned priority enrollment date, and
- Request disability accommodations, from the applicable campus Disability Resource Centers, immediately following Priority Enrollment.

Note: Some accommodations, including but not limited to: alternative print formats, (e.g., Braille, e-text, large print), interpreting services, lab materials conversions, assistive technology, and the hiring of lab assistants, may require up to one semester in preparation time.

To request disability accommodations for ASU classes, both in person and online, contact the DRC on the host campus, i.e., the campus where you are taking the class or in the case of online courses, the campus supporting the class.

NOTE: Disability information is confidential. Disability documentation is required.

Tempe campus	West campus	Polytechnic campus	Downtown Phoenix campus and Tucson School of Social Work
Matthews Center, Room 143	University Center Building, Room 130	Sutton Hall, Room 240	University Center Building, Suite 160
480.965.1234	602.543.8145	480.727.1039	602.496.4321
DRCTempe@asu.edu	DRCWest@asu.edu	DRCPoly@asu.edu	DRCDowntown@asu.edu
Monday–Friday / 8:00am–5:00pm			

Directory of Selected Campus Services, Resources, and Contacts

Campus	Phone	Email	Location	Mailing Address
Tempe campus	480.965.9011	askasu@asu.edu	University Dr. and Mill Ave., Tempe, AZ	See: asu.edu/contactasu/addressing
West campus	602.543.5500	westinfo@asu.edu	4701 W. Thunderbird Rd., Glendale, AZ 85306	PO Box 37100, Phoenix, AZ 85069-7100
Polytechnic campus	480.727.3278	poly@asu.edu	Power Rd. and Williams Field Rd., Mesa, AZ	7001 E. Williams Field Rd, Mesa, AZ 85212
Downtown Phoenix campus	602.496.INFO (4636)	askdpc@asu.edu	411 N. Central Ave., Phoenix, AZ 85004	See: asu.edu/contactasu/addressing
University Registrar's Office				
Campus	Phone	Fax	Location	Mailing Address
Tempe campus	480.965.3124	480.965.7722	Student Services Bldg, Rm 140	PO Box 870312 Tempe, AZ 85287
West campus	602.543.8203	602.543.8312	University Center Bldg, Rm 120	PO Box 37100 Phoenix, AZ 85069
Polytechnic campus	480.727.1142	480.727.1008	Administration Bldg	5990 S. Sterling Mall, Mesa, AZ 85212
Downtown Phoenix campus	602.496.4372	602.496.0376	University Center Bldg, Rm 130	411 N. Central Ave., Phoenix, AZ 85004
Residency Classification				
Campus	Phone	Fax	Email	Location and Mailing Address
Tempe campus	480.965.7712	480.727.6630	residency@asu.edu	Student Services Bldg, Rm 140 PO Box 870312 Tempe, AZ 85287
Student Business Services				
Department	Phone	Fax	Location	Mailing Address
Collections	480.965.5220	480.965.4587	Student Services Bldg, Rm 234	PO Box 870303 Tempe, AZ 85287-0303
Student Financial Assistance				
Campus	Phone	Fax	Email	Location and Mailing Address
Tempe campus	855.278.5080	480.965.9484	N/A	Student Services Bldg, 2nd Floor PO Box 870412 Tempe, AZ 85287
West campus	855.278.5080	480.965.9484	N/A	University Center Bldg, Rm 120 PO Box 37100 Phoenix, AZ 85069
Polytechnic campus	855.278.5080	480.965.9484	N/A	Administration Bldg 5990 S. Sterling Mall Mesa, AZ 85212
Downtown Phoenix campus	855.278.5080	480.965.9484	N/A	University Center Bldg, Rm 166 411 N. Central Ave., Phoenix, AZ 85004
Student Employment Office				
Campus	Phone	Fax	Email	Location and Mailing Address
Tempe campus	480.965.5186	480.965.9816	seo@asu.edu	Student Services Bldg, 2nd Floor PO Box 870412, Tempe, AZ 85287

ASU Statement on Drug-Free Schools and Campuses

Under federal legislation entitled the Drug-Free Schools and Communities Act Amendments of 1989 (“Act”), no institution of higher education shall be eligible to receive funds or any other form of financial assistance under any federal program, including any federally funded or guaranteed student loan program, unless it has adopted and has implemented a program to prevent the use of illicit drugs and the abuse of alcohol by students and employees. The Act requires the annual distribution of the following information to students and employees.

Prohibition

It is the goal and policy of Arizona State University (“ASU”) to provide a drug free environment for all University students and employees. To achieve this goal and to comply with federal law, ASU prohibits the unlawful sale, manufacture, distribution, dispensation, possession, and use of controlled substances on its property or as part of any of its activities.

Every ASU student and employee must abide by the terms of this statement, abide by applicable policies of the Arizona Board of Regents and Arizona State University, and abide by local, state, and federal laws regarding the unlawful possession or distribution of illicit drugs and alcohol.

ASU students and employees are subject to all applicable drug and alcohol policies, including policies set forth in the University’s Staff Personnel Policies and Procedures Manual, the Academic Affairs Policies and Procedures Manual, University Student Services Manuals, and the ASU Police Department Policies and Procedures Manual. The following drug and alcohol policies also apply to students and employees: the Arizona Board of Regents’ Code of Conduct and Student Code of Conduct and Arizona State University’s Policy regarding alcohol and other drugs.

Sanctions

Sanctions under federal, state, and local law for the unlawful possession or distribution of illicit drugs and alcohol are serious and can range from civil sanctions to criminal convictions including fines and imprisonment. A listing of Arizona penalties

can be found at www.azleg.gov/arizonarevisedstatutes.asp?title=13 and a listing of Federal penalties can be found at www.justice.gov/dea/agency/penalties.htm. Sanctions will be imposed on a student who violates a Board of Regents’ or University drug or alcohol policy; those sanctions may include expulsion or suspension, and may also include the requirement that the student participate in a drug education program. Sanctions will be imposed on an employee who violates university drug or alcohol policies which may include termination of employment, progressive discipline, and may also include the requirement that the employee participate in a drug education program.

Health Risks

A. Alcohol

Alcoholic consumption causes a number of marked changes in behavior. Even low doses significantly impair the judgment and coordination required to drive a car safely, increasing the likelihood that the driver will be involved in an accident. Low to moderate doses of alcohol also increase the incidence of a variety of aggressive acts, including spouse and child abuse. Moderate to high doses of alcohol cause marked impairments in higher mental functions, severely altering a person’s ability to learn and remember information. Very high doses cause respiratory depression and death. If combined with other depressants of the central nervous system, much lower doses of alcohol will produce the effect just described.

Repeated use of alcohol can lead to dependence. Sudden cessation of alcohol intake is likely to produce withdrawal symptoms, including severe anxiety, tremors, hallucinations, and convulsions. Alcohol withdrawal can be life threatening. Long-term consumption of large quantities of alcohol, particularly when combined with poor nutrition, can also lead to permanent damage to vital organs such as the brain and the liver.

Mothers who drink alcohol during pregnancy may give birth to infants with fetal alcohol syndrome. These infants have irreversible physical abnormalities and mental retardation. In addition, research indicates that children of alcoholic parents are at greater risk than other youngsters of becoming alcoholics.

ASU Statement on Drug-Free Schools and Campuses, cont.

B. Illicit Drugs

A description of health risks associated with the use of illicit drugs is set forth in the attached Exhibit B.

Treatment, Counseling, and Rehabilitation Programs

Additional information regarding the health risks associated with the use of illicit drugs and the abuse of alcohol, drug awareness programs, and drug rehabilitation programs are available to employees and students through Student Health, the Employee Assistance Program and Counseling and Consultation. Classes on drug abuse are offered in the School of Social Work, Departments of Psychology and Counseling, the College of Nursing and the Human Resources Department.

The following offices have the ASU Statement on Drug-Free Schools and Campuses and will provide it on request:

- *Office of General Counsel*
- *Dean's Office in each ASU College*
- *Human Resources Department*
- *Division of Graduate Studies*
- *Provost Offices on each campus*
- *Student Employment*
- *Office of Research Development and Administration*
- *Student Life*

For further information about this statement or the Drug-Free Schools and Communities Act Amendment of 1989, contact the Office of General Counsel by calling 480.965.4550.

ASU Statement on Drug-Free Schools and Campuses, cont.

Controlled Substances – Uses & Effects

DRUGS CSA SCHEDULE	TRADE OR OTHER NAMES	MEDICAL USES	DEPENDENCE Physical	TOLERANCE	DURATION (Hours)	METHODS OF ADMINISTRATION	POSSIBLE EFFECTS	EFFECTS OF OVERDOSE	WITHDRAWAL SYNDROME
NARCOTICS									
III III V Opium	Dover's Powder, Pericarp Pericarpium	Analgic, antidiarrheal	High	Yes	36	Oral, smoked	Euphoria,	Slow and	Watery eyes, runny
III III V Morphine	Morphine, MS Contin, Roxicon, Roxicon-SR	Analgic, antidiarrheal	High	Yes	36	Oral, smoked, injected	slurred speech,	shallow	nose, yawning, loss
III III V Codeine	Tylenol w/Codeine, Empirin w/Codeine	Analgic, antidiarrheal	Moderate	Yes	36	Oral, injected	respiratory	breathing,	of appetite, irritability,
	Robutans A.C. Fiorinal w/Codeine	None	High	Yes	36	Injected, sniffed, smoked	depression,	clammy skin,	tremors, panic,
	Diacetylmorphine, Heroin, Smack	Analgic	High	Yes	36	Oral, injected	constricted	convulsions,	cramps, nausea,
I Hydromorphone	Dilaudid	Analgic	High	Yes	36	Oral, injected	pupils, nausea	coma, possible	chills and sweating
II Meperidine(Pethidine)	Demoran, Mepergan	Analgic	High	Yes	36	Oral, injected		death	
II Methadone	Dolophin, Methadone, Methadone	Analgic	High-Low	Yes	12-24	Oral, injected			
II Other Narcotics	Numorphan, Percodan, Percocet, Tylox, Tusstonex, Fentanyl, Davron, Lomol, Talwin [†]	Analgic, antidiarrheal, antispasmodic	High-Low	Yes	Variable	Oral, injected			
DEPRESSANTS									
IV Chloral Hydrate	Nocite	Hypnotic	Moderate	Yes	5-8	Oral	Slurred speech,	Shallow	Anxiety, insomnia,
III III V Barbiturates	Amytal, Butal, Fiorinal, Lorazepam, Nembutal, Secobarbital, Phenobarbital	Anesthetic, anticonvulsant, sedative, hypnotic, veterinary euthanasia agent	High-Mod	Yes	1-16	Oral	disorientation,	respiration,	tremors, delirium,
IV Benzodiazepines	Alivan, Dalmane, Diazepam, Librium, Xanax, Serax, Valium, Tranxexa, Vertran, Versed, Halcion, Proxepam, Halcion	Anxiolytic, sedative, hypnotic	Low	Yes	4-8	Oral	drunken	clammy skin,	convulsions, possible
I Methaqualone	Quaalude	Sedative, hypnotic	High	Yes	4-8	Oral	behavior	dilated pupils,	death
III Glutethimide	Doronan	Sedative, hypnotic	High	Yes	4-8	Oral	without odor of	weak and rapid	pulse, coma,
III IV Other Depressants	Equanil, Miltown, Naludar, Placidyl, Valmid	Anxiolytic, sedative	Moderate	Yes	4-8	Oral	alcohol	possible death	
STIMULANTS									
II Cocaine [†]	Coke, Flake, Snow, Crack	Local anesthetic	Possible	Yes	1-2	Smoked, smoked, injected	Increase	Agitation,	Apathy, long periods
II Amphetamines	Biphenamine, Decobexone, Dexoxylin, Dexodrine, Cabrol	Adrenergic adrenergic	Possible	Yes	24	Oral, injected	aliveness,	excitation,	of sleep, irritability,
II Phenmetrazine	Preludin	Weight control	Possible	Yes	24	Oral, injected	euphoria,	body	depression,
II Methylphenidate	Ritalin	Weight control	Possible	Yes	24	Oral, injected	increased pulse	temperature,	disorientation
III IV Other Stimulants	Adexon, Dylidex, Duxon, Lonamin, Malfax, Plegnon, Sarcocox, Torazate, Paganil, Pato-2	Weight control	Possible	Yes	24	Oral, injected	rate & blood	hallucinations,	convulsions,
HALLUCINOGENS									
LSD	Acid, Microdot	None	None	Yes	8-12	Oral	illusions and	Longer, more	Withdrawal
I Mescaline and Peyote	Mesc, Buttons, Cactus	None	Unknown	Yes	8-12	Oral	hallucinations,	intense "trip"	syndrome not
I Anphetamine Variants	2,5-DMA, PMA, STP, MDA, MDMA, TMA, DOM, DOB	None	Unknown	Yes	Variable	Oral, injected	poor perception	episodes,	reported
I Phencyclidine	PCP, Angel Dust, Hog	None	Unknown	Yes	Days	Smoked, oral, injected	of time and	psychosis,	
I Phencyclidine Analogues	PCP, PCPy, TCP	None	Unknown	Yes	Days	Smoked, oral, injected	distance	possible death	
I Other Hallucinogens	Bufovirone, bogaine, DMT, DET, Psilocybin, Psilocybin	None	Unknown	Possible	Variable	Smoked, oral, injected, sniffed			
CANNABIS									
I Marijuana	Pot, Apocrypho gold, Grass, Reefer, Sinsemilla, Thai Soda, THC, Marol	None	Unknown	Yes	24	Smoked, oral	Euphoria,	Fatigue,	Insomnia,
III Tetrahydrocannabinol	THC, Marol	Cancer/Chemotherapy Antinauseant	Unknown	Yes	24	Smoked, oral	relaxed	hyperactivity, and	hyperactivity, and
I Hashish	Hash	None	Unknown	Yes	24	Smoked, oral	increased	le psychosis	decreased appetite
I Hashish Oil	Hash Oil	None	Unknown	Yes	24	Smoked, oral	appetite,	occasionally reported	occasionally reported

[†] Designated a narcotic under the CSA

[†] Not designed a narcotic under the CSA

Facts About ASU

Arizona State University enjoys a national reputation as a leading research institution. ASU produces more graduates than any other university in the state. Students from around the nation and the world choose ASU because of its diversity and quality of academic, student, and research programs, a beautiful campus setting, and the value of the ASU degree in today's world.

Academic Environment

ASU offers 153 bachelor's degree programs, 147 master's degree programs, 83 doctoral programs, and one law degree program.

Undergraduate Students

ASU enrolled 9,254 new freshmen for the Fall 2011 semester. **Of the new freshmen, 28.4% graduated in the top 10% of their high school class.** The average ACT composite score of first time freshmen is 23.9. The average SAT combined score is 1107.

ASU enrolled 6,776 new transfer students for the Fall 2011 semester with 60% of the new transfers coming from community colleges in Arizona.

The graduation rate for 2000 lower division transfer students graduating in five years or less was 59.4%. The graduation rate for 2001 lower division transfer students graduating in five years or less was 58.6%. The graduation rate for 2002 lower division transfer students graduating in five years or less was 57.6%. The graduation rate for 2003 lower division transfer students graduating in five years or less was 56.6%. The graduation rate for 2004 lower division transfer students graduating in five years or less was 57.8%. The graduation rate for 2005 lower division transfer students graduating in five years or less was 58.7%. The graduation rate for 2006 lower division transfer students graduating in 5 years or less was 59.1%.

The graduation rate for 2000 upper division transfer students graduating in four years or less was 69.9%. The graduation rate for 2001 upper division transfer students graduating in four years or less was 71.6%. The graduation rate for 2002 upper division transfer students graduating in four years or less was 71.8%. The graduation rate for 2003 upper division transfer students

graduating in four years or less was 71.0%. The graduation rate for 2004 upper division transfer students graduating in four years or less was 74.2%. The graduation rate for 2005 upper division transfer students graduating in four years or less was 71.3%. The graduation rate for 2006 upper division transfer students graduating in four years or less was 72.7%. The graduation rate for 2007 upper division transfer students graduating in four years or less was 72.2%.

Undergraduate Enrollment

ASU enrolled 58,404 undergraduates in the Fall 2011 semester. Seniors (Seniors: 19,797; Juniors: 16,707; Sophomores: 11,830; Freshmen: 9,850) compose the largest class, representing more than a quarter of the student body and over a third of the undergraduate enrollment. ASU enrolled students from every state and from 91 countries in the Fall 2011 semester.

Undergraduate Student Profile

33.9% are from ethnic minority backgrounds

3.2% are international students

The average age is 23 (22.7).

Degrees Awarded

In 2010-2011, ASU awarded 12,194 bachelors, 4,150 masters, 545 doctoral and 201 law degrees.

The graduation rate for 2000 first time, full time freshmen graduating in six years or less was 56.3%; the graduation rate for 2001 first time, full time freshmen graduating in six years or less was 55.6%; the graduation rate for 2002 first time, full time freshmen graduating in six years or less was 55.8%; the graduation rate for 2003 first time, full time freshmen graduation in six years or less was 55.8%. The graduation rate for 2004 first time, full time freshmen graduation in six years or less was 58.7%. The graduation rate for 2005 first time, full time freshmen graduation in six years or less was 58%. Information on students who transfer out from ASU is not recorded, therefore is not available.

University Policies

Undergraduate Policies and Procedures

Freshman Admission Requirements and Timelines

A freshman is a student who is applying to ASU while enrolled in high school or a student who has not attended college since high school graduation.

Admission Requirements

ASU welcomes applications from students with diverse academic backgrounds and interests. Freshman applicants who possess a high school diploma and meet the following requirements will be admitted to ASU.

Applicants must successfully complete ASU competency requirement. Admission may be granted with one deficiency in no more than two competency areas. Deficiencies cannot be in both math and laboratory science. Students must earn a minimum 2.0 in any subject area. Most competencies may also be met by test scores or college courses. See Detailed Competency Requirements [2] for more information.

- English - 4 years (composition/literature based)
- Math - 4 years - Algebra I, Geometry, Algebra II and one course requiring Algebra II as a prerequisite.
- Laboratory Science - 3 years total (1 year each from any of the following areas are accepted: Biology, Chemistry, Earth Science, Integrated Sciences, and Physics)
- Social Science - 2 years (including one year American History)
- Foreign Language - 2 years (same language)
- Fine Arts - 1 year

Applicants must also meet at least one of the following:

6. Top 25% in high school graduating class
7. 3.0 GPA in competency courses (4.0 = A)
8. ACT 22 (24 nonresidents)*
9. SAT Reasoning 1040 (1110 nonresidents)*

*ASU does not require the writing portion of these tests.

Higher Requirements for Some ASU Schools/Colleges

Some colleges/schools have higher requirements for admission to their majors. To learn more about requirements, find the major of your interest at Degree Search [3]. You should select a second major on your application if your first choice has higher requirements.

Individual Review

All students who don't meet the above standards will be evaluated through a process called Individual Review. Through this process Undergraduate Admissions will review all available information about a student's application, carefully considering all aspects of a student's academic background and accomplishments. Submission of an ACT or SAT test score is highly recommended. In some cases, additional information might be requested.

Home School Applicants

ASU welcomes home school students and recognizes the unique academic experiences they contribute to our rich community of scholars. Please read additional admission information specifically for home school students [4].

General Educational Development (GED)

Students may also meet admission requirements by submitting an official GED score of 500 or above.

Application Date for Fall 2012

Feb. 1, 2012: Priority application deadline for Admissions and Scholarships. Late applicants will be considered for university admission and financial aid but ASU programs with higher admission standards will give priority consideration to applications submitted by this date.

Application Steps

- Complete the Undergraduate Admission Application. ASU prefers that you apply online [5].
- Submit the nonrefundable application fee
 - Arizona residents - \$50.
 - Non-residents - \$65.
- Have your ACT or SAT scores sent directly to ASU. ACT or SAT scores are required for merit scholarship consideration and for ASU course placement.
- Applicants must request transcripts from each educational institution attended. Official transcripts must be mailed or sent electronically directly to Undergraduate Admissions by the records office of the issuing institution(s). ASU does not accept transcripts sent or carried by hand by applicants themselves or transmitted by fax. High school transcripts must show GPA and date of graduation. ASU requires an English translation of all foreign-language transcripts.

ASU will review your application file once you have submitted all materials. To see if you have any missing items, and to view your admission status, sign in at My ASU [6] using your ASURITE ID, which is sent to you after you apply for admission.

Mailing Address (All materials, all campuses) Undergraduate Admissions Arizona State University PO Box 870112 Tempe, AZ 85287-0112

Undergraduate Admissions Contact Information and Office Locations [7]

Source URL: <https://students.asu.edu/freshman/requirements>

Links: [1] <https://students.asu.edu/taxonomy/term/160> [2] <https://students.asu.edu/node/18> [3] <http://www.asu.edu/degreeesearch> [4] <http://students.asu.edu/homeschool> [5] <http://www.asu.edu/ugapp> [6] <https://my.asu.edu/> [7] <http://students.asu.edu/contact/admissions>

Contact Undergraduate Admissions

Undergraduate Admissions delivers services and resources to assist students in the admission and transition to ASU. Services include high school relations, community college relations, international student relations, scholar recruitment, application processing and new student orientation.

Request Materials

- Freshman Inquiries [2]
- Transfer Inquiries [3]
- International Undergraduate Inquiries [4]

High School Representatives

- Arizona [5] High School Representatives
- National [6] Representatives by state
- International [7] Representative

Undergraduate Admissions' Mailing Address

Have your test scores (such as ACT, SAT and TOEFL) and official high school and college transcripts sent from the issuing institution to the address below. Any written inquiries should be sent to this address as well.

Undergraduate Admissions Arizona State University PO Box 870112 Tempe, AZ 85287-0112

Office Locations

<p>Downtown Phoenix campus</p> <p>Downtown Phoenix campus Phone: 480-965-7788 Fax: 480-965-3610 Location: University Center Building, Suite 130 [8] Mailing Address: Undergraduate Admissions Arizona State University PO Box 870112 Tempe, AZ 85287-0112</p> <p>Monday - Friday 8:00 a.m. – 5:00 p.m.</p>	<p>Tempe campus</p> <p>Tempe campus Phone: 480-965-7788 Fax: 480-965-3610 Location: Student Services Building, Room 110 [9] Mailing Address: Undergraduate Admissions Arizona State University PO Box 870112 Tempe, AZ 85287-0112</p> <p>Monday: 8:00 a.m. – 4:00 p.m. Tuesday - Friday: 8:00 a.m. - 5:00 p.m.</p>
<p>Polytechnic campus</p> <p>Polytechnic campus Phone: 480-965-7788 Fax: 480-965-3610 Location: Student Affairs Complex (Quad 1) Building #380 [10] Mailing Address: Undergraduate Admissions Arizona State University PO Box 870112 Tempe, AZ 85287-0112</p> <p>Monday - Friday 8:00 a.m. – 5:00 p.m.</p>	<p>West campus</p> <p>West campus Phone: 480-965-7788 Fax: 480-965-3610 Location: University Center, Room 120 [11] Mailing Address: Undergraduate Admissions Arizona State University PO Box 870112 Tempe, AZ 85287-0112</p> <p>Monday - Friday: 8:00 a.m. – 5:00 p.m.</p>

Source URL: <https://students.asu.edu/contact/admissions>

Links: [1] <https://students.asu.edu/taxonomy/term/160> [2]

https://webapp4.asu.edu/formmanager/FormUserController?form_id=12&STUTYPE=1 [3] <http://transfer.asu.edu/contact> [4]

<http://www.asu.edu/admissions/contactadmissions/internationalform.htm> [5] <https://students.asu.edu/node/228> [6]

<http://students.asu.edu/your-asu-contact> [7] <http://students.asu.edu/intladmission> [8]

<http://www.asu.edu/map/interactive/?campus=downtown&building=UCENT> [9]

<http://www.asu.edu/map/interactive/?campus=tempe&building=SSV> [10]

<http://www.asu.edu/map/interactive/?campus=polytechnic&building=QUAD1> [11]

<http://www.asu.edu/map/interactive/?campus=west&building=UCB>

Steps for Freshman Enrollment

Fall and Summer 2011

Apply for Admission

Complete an application for admission. [2]

Complete your application file (application fee, transcripts and scores)

- If you did not submit your application fee with your admission application, you can pay on My ASU [3]. You can also mail a check or money order to ASU or call Undergraduate Admissions (480-965-7788) and pay with a debit or credit card (Visa/Mastercard).

- Ask each high school and college you have attended to send your official transcripts directly to ASU. Hand-delivered transcripts are not official.
- If your ACT or SAT score does not appear on your high school transcript, ask ACT www.act.org [4] or the College Board (SAT) www.collegeboard.com [5] to send your scores directly to ASU.
- If you are concurrently enrolled in high school and college courses, or if you are dually enrolled in college courses taught on your high school campus, you must request official transcripts from both your high school and the college offering the dual credit to be sent to ASU. ASU will not award college credit that appears only on high school transcripts.
- Upon graduation from high school or completion of your current college semester, request that a final transcript be sent from your school to ASU. Your final high school transcript must show your date of graduation.

Undergraduate Admissions' Mailing Address:

Undergraduate Admissions Arizona State University PO Box 870112 Tempe, AZ 85287-0112

Activate Accounts [6] After you have applied for admission, you will be issued an ASURITE ID, which will give you access to online student services, including those at My ASU [3], such as the ability to check your admission status. While you activate your ASURITE ID, be sure to set up your asu.edu email address so you can receive important messages from ASU as the university uses this email address for official communications. Read more about your asu.edu email address [7].

After Admission

Pay Your Enrollment Deposit Upon admission, first-time freshmen pay an enrollment deposit [8]. The deposit may be paid on My ASU [3]. **Apply for Financial Aid and Scholarships [9]** ASU encourages all students to complete the Free Application for Federal Student Aid (FAFSA [10]). The FAFSA becomes available in January. ASU's priority date for submission is March 1. Students do not need to be admitted to ASU to submit a FAFSA and begin the process; however, only admitted students are awarded aid. Search and apply for scholarships that may fit your profile, talents and academic interests.

Note that Arizona law requires verification of citizenship or other lawful presence [11] in the United States for all students who are receiving in-state tuition and/or financial aid funded by state money.

Next Steps for Admitted Freshmen After Deposit

Confirm Housing and Dining [12]

At ASU, we expect freshmen to live in the Residential College of their academic major. On-campus housing options will be pre-selected for you based on your campus and academic major. You will be able to customize these preferences, or request a housing exception, on My ASU [3]. University Housing will review and/or approve each exception request on a case-by-case basis. **Orientation and Registration [13]** Make plans to attend Orientation with your family. During Orientation, you will be able to meet with your academic advisor, determine courses and register for classes. You will also be able to get your Sun Card, learn more about financial aid and other university resources, and meet other new students. You must have submitted an ACT or SAT score to ASU and also have completed the math placement exam [14] before you will be able to register for classes at Orientation. The university uses this information to guide you to the appropriate freshman English composition course and freshman math course. You will receive further information and instructions with your Orientation reservation materials. In the meantime, to see if ASU has your scores on file, click on "Test Scores" in the "My Admission and Orientation" box on My ASU [15]. If you have taken AP, IB, and/or CLEP exams, request that your scores be sent directly to ASU.

Submit Immunization Verification [16] Your MMR verification must be submitted to ASU before Orientation so you can register for classes. **Explore Summer School Options [17]** Get a jump start on your ASU experience by enrolling in summer sessions. Admission to ASU for the fall semester allows you to register for summer classes without submitting another application. Plan to attend an early orientation program to consult with your advisor on both fall and summer class selection. ASU's summer course listing is available in February.

Parking Decals and Commuter Options [18] Students may purchase parking decals online. (Students living in the residence halls will receive information with their hall assignments.) ASU also offers a variety of commuter options including discounted public bus and light rail passes, and free shuttles between ASU campuses.

Tuition and Fees [19] Tuition is based on your residency for tuition purposes status. Note that Arizona law requires verification of citizenship or other lawful presence [11] in the United States for all students who are receiving in-state tuition and/or financial aid funded by state money.

Tuition charges will be billed to your student account and may be viewed online through My ASU after registration. By registering for classes you agree to pay all applicable tuition and registration fees. If you decide not to attend, you must completely withdraw from all classes before the semester begins. If tuition is not paid by the applicable due date, or financial aid is not awarded and accepted by the due date, you will automatically be enrolled in the tuition installment plan and charged a nonrefundable enrollment fee.

Access online billing at My ASU [3] (click Finances then Pay). Students are responsible for reviewing their ASU e-mail account for notification of billing statements and to review their student account on My ASU for current information. Billing statements are not mailed.

Explore Computing Resources [20]

ASU offers a number of services and resources to students, including wireless networks, computing and printing labs, and special access to online applications and software.

Attend Fall Welcome [21]

Source URL: <https://students.asu.edu/admission/steps>

Links: [1] <https://students.asu.edu/taxonomy/term/160> [2] <http://asu.edu/ugapp> [3] <https://my.asu.edu> [4] <http://www.act.org/> [5] <http://www.collegeboard.com/> [6] <http://www.asu.edu/asurite> [7] http://help.asu.edu/sims/selfhelp/SelfhelpKbView.seam?parature_id=8373-8193-6914 [8] <https://students.asu.edu/node/8310> [9] <https://students.asu.edu/financialaid> [10] <https://students.asu.edu/glossary/term/12> [11] <https://students.asu.edu/node/1291> [12] <http://www.asu.edu/housing> [13] <https://students.asu.edu/orientation> [14] <http://students.asu.edu/math> [15] <http://my.asu.edu/> [16] <https://students.asu.edu/node/1545> [17] <https://students.asu.edu/summer/newstudents> [18] <http://cfo.asu.edu/pts> [19] <https://students.asu.edu/costs> [20] http://help.asu.edu/sims/selfhelp/SelfhelpKbView.seam?parature_id=8373-8193-6913 [21] <https://students.asu.edu/fallwelcome>

Transfer Admission Requirements

ASU welcomes applications from a broad profile of transfer students from community colleges and four-year institutions. Transfer specialists work with you to assist with the transfer process and to develop a plan for a smooth transition to ASU.

ASU's High School Graduation Requirements

All transfer students must meet ASU's graduation requirement by providing one of the following:

- Official high school transcript with high school graduation date.
- GED with acceptable score of 500 or above.
- Official college transcript with Associate degree posted (including award date).
- Official college transcript with Associate degree in progress posted (including expected award date).

Assured admission standards for students transferring to ASU

Transfer applicants must meet at least one of the following requirements for admission to ASU. Please note that some ASU colleges and schools have higher requirements for admission to their majors.

Arizona residents Arizona transfer students must meet one of the following requirements:

- Associate degree with a 2.00 cumulative GPA or higher (4.00=A).
- Arizona General Education Curriculum (AGEC) with a 2.50 cumulative GPA or higher (4.00=A).
- Complete a transfer pathway program through an accredited Arizona community college. Pathways include: Maricopa - ASU Pathways Program (MAPP), Registered Nurse-Bachelor of Science in Nursing (RN-BSN) Pathway, Transfer Admission Guarantee (TAG), Associate of Applied Science to Bachelor of Applied Science (AAS-BAS).

Nonresidents

Nonresident transfer students must meet one of the following requirements:

- Associate degree with a 2.50 cumulative GPA or higher (4.00=A).
- AGEC with a 2.50 cumulative GPA or higher (4.00=A). (For those students transferring from a California community college [1], ASU accepts the Intersegmental General Education Transfer Curriculum/California State University General Education [IGETC/CSU GE] patterns).

Individual review for admission

Students who do not meet ASU's assured admission criteria may be considered through the individual review process. Undergraduate Admissions will review all available information about a student's application, carefully considering all aspects of a student's academic background and accomplishments. In some cases, additional information might be requested.

Transferring with 24 or more transferable credits: Students with 24 or more transferable credit hours and a minimum 2.50 cumulative GPA are given serious consideration through the individual review process.

Transferring with fewer than 24 transferable credits: Students with fewer than 24 transferable credit hours must have a minimum 2.50 cumulative GPA and meet freshman aptitude requirements to be considered through individual review. See freshman admission requirements [2].

Admission for international transfer students

View international admission requirements [3].

Admission for home school students

Transfer students who graduated high school in a home school setting and have not completed an associate degree or higher must submit the Affidavit of Completion of Secondary School Education [4]. The affidavit must be completed by parent/guardian and notarized.

Home schooled students may also meet admission requirements by submitting an official GED score of 500 or above. For questions regarding admission for home schooled students, e-mail asuhomeschool@asu.edu [5].

Higher requirements for some programs

Some ASU colleges and schools have higher requirements for admission to their majors. See degree search [6] for detailed admission information for your desired program of study. You should select a second major on your application if your first choice has higher requirements.

Source URL: <http://transfer.asu.edu/transferrequirements>

Links: [1] <http://transfer.asu.edu/communitycollege/CA/general> [2] <http://students.asu.edu/freshman/requirements> [3]

<http://global.asu.edu/future/undergrad> [4] http://students.asu.edu/files/Home%20School%20Affidavit_0.pdf [5]
<mailto:asuhomeschool@asu.edu> [6] <http://asu.edu/programs/>

How to Apply as a Transfer Student

Thank you for your interest in applying to ASU. We want to make the application process and your transfer to ASU as smooth as possible. Follow the steps below.

Application timeline

You are encouraged to apply early. Submit your application and all application materials by the dates listed below.

Late applicants will be considered for university admission and financial aid, but ASU programs with higher admission standards will give priority consideration to applications submitted by these dates. Please view important dates on the academic calendar [1].

Summer 2012

Priority application date is April 1, 2012. Summer sessions [2] begin as early as May 14, 2012. Second session begins July 5.

Fall 2012

Priority application date is April 1, 2012.* ASU's fall semester begins Aug. 23, 2012.

*This is the priority application deadline for fall admission and merit-based scholarship consideration.

Spring 2013

Priority application date is Dec. 1, 2012.

How to apply

ASU will review your application file once you have submitted all materials. To see if you have any missing items, and to view your admission status, log into My ASU [3] using your ASURITE ID, which is sent to you after you apply for admission. Students who are not admitted to ASU will be provided with information to appeal.

- **Complete the admission application.** Fill out admission application [4] online by the preferential date. We encourage you to apply early. Ideally, you will start the application process one year prior to your planned enrollment date at ASU. This timeline is important to help ensure a smooth transition and improve opportunities for financial assistance. Note: After the first day of a semester, approvals for that semester's application and admission will be handled by exception only. Please contact Undergraduate Admissions at 480-965-7788.
- **Submit the nonrefundable application fee.** Arizona resident fee is \$50. Nonresident, International and ASU Online fee is \$65. Pay using a credit card (eCheck or MasterCard) when you submit your application or mail a check or money order to ASU. If you are applying to an online program, you will need to pay with a credit card when you submit your application.
- **Request to have your official transcript(s) and test scores mailed to ASU.** **Transcripts** In order for your file to be processed you must request official transcripts be sent directly to ASU from all institutions you have attended. This includes high school transcripts regardless of your age or number of college credit hours. ASU accepts transcripts in a sealed envelope from high schools hand-delivered by applicants themselves to undergraduate admissions but does not accept hand-delivered college transcripts or those transmitted by fax. High school transcripts must show grade point average (GPA) and date of graduation. Upon graduation or completion of your final semester at your current institution, request that a final transcript be sent directly to ASU to determine final admission status. Receipt of your final transcript impacts financial aid disbursement and eligibility to register for future classes. **Test scores** Have your ACT/SAT scores sent directly to ASU. If you have taken AP, IB, and/or CLEP exams, request that your scores be sent directly to ASU. If you are an international

applicant, please have your TOEFL or IELTS scores sent to ASU directly from the testing agency. ASU requires an English translation of all foreign-language transcripts. **Mailing address** All admission materials must be sent to: Undergraduate Admissions Arizona State University P.O. Box 870112 Tempe, AZ 85287-0112 You will need to pay using an eCheck or MasterCard when you submit your application.

Your Next Steps

Once you have applied for admission and are accepted, you are ready to complete the next steps related to your enrollment [5].

Source URL: <http://transfer.asu.edu/apply>

Links: [1] <http://students.asu.edu/academic-calendar> [2] <http://students.asu.edu/summersessions> [3] <http://my.asu.edu> [4] <https://webapp4.asu.edu/ugapp/mainmenulogic> [5] <http://transfer.asu.edu/steps>

How Credits Transfer to ASU

ASU will accept transfer credit for traditional course work you have successfully completed at regionally accredited institutions of higher education. Keep in mind that the applicability of the specific course toward a degree depends on the requirements of the department, division, college or school in which you are enrolled at ASU.

How credits transfer to ASU

You must have your transcripts sent from the issuing institution directly to ASU in order for courses to be evaluated and transferred. ASU applies the following general standards for transferring credit from another institution.

- ASU accepts college level (not remedial) courses in which you have earned a grade of C (4.00=A) or better from regionally accredited institutions.
- A maximum of 64 semester hours of credit will be accepted as lower-division credit when transferred from a regionally accredited community, junior or two-year college, with the exception of some special programs.
- Some ASU colleges/schools may not accept credit for courses that are evaluated with nontraditional grading systems (e.g. pass/fail).
- Acceptable academic credits earned at other institutions that are based on a different unit of credit than the one prescribed by the Arizona Board of Regents are subject to conversion before being transferred to ASU. All ASU students must meet graduation requirements (university, college, major and general studies requirements) in order to earn a bachelor's degree. The ASU college of your major determines how transfer courses fulfill the degree requirements of your ASU major. You should review the degree requirements of the program into which you intend to transfer and confer with an academic advisor about your credits and how they will apply to your degree program. (Search ASU's 250+ academic programs and read program requirements.)
- Grades and honor points that you earned at other colleges and universities are considered for admission (with the exception for honorably discharged veterans), but your ASU cumulative grade point average (GPA) is based solely upon course work taken at ASU. (However, if you are an honorably discharged veteran who served in the Armed Forces of the United States for a minimum of two years, you are given an exception to the way your grades and honor points are treated for admission. When Undergraduate Admissions reviews your application for admission, they may not consider any failing grades you received at an Arizona university or college before your military service. Please contact Undergraduate Admissions at admissions@asu.edu [1] if you believe you are eligible.)

ASU will NOT accept the following types of credit:

- Courses in which you earned a grade below "C-."
- Credit awarded by postsecondary institutions in the U.S. that lack candidate status or accreditation by a regional accrediting association.
- Credit awarded by postsecondary institutions for life experience.

- Credit awarded by postsecondary institutions for courses taken at non-collegiate institutions (e.g., governmental agencies, corporations, industrial firms, etc.).
- Credit awarded by postsecondary institutions for non-credit courses, workshops and seminars offered by other post-secondary institutions as part of continuing education programs.

Where to send transcripts Official transcripts must be mailed or sent electronically directly to Undergraduate Admissions by the records office of the issuing institution(s). ASU does not accept transcripts sent or carried by hand by the applicants themselves or transmitted by fax.

Undergraduate Admissions Arizona State University PO Box 870112 Tempe, AZ 85287-0112

Credit by Examination

http://catalog.asu.edu/credit_exam [2]

Students may receive credit for an ASU course by taking an examination in place of the actual course. Learn more about earning credits by taking an exam such as College-level Examination Program (CLEP), Advancement Placement (AP) credit and more [2].

Appeal Process

Students who feel they have been unjustly denied credit for transfer courses they have taken may appeal to the appropriate committee.

Veterans Exception By Arizona statute, no failing grades received by a veteran at an Arizona university or community college before military service may be considered when determining admissibility. This exception may be used only one time and applies only to veterans who meet all three criteria listed:

- Are honorably discharged.
- Have served in the armed forces of the United States for a minimum of two years.
- Have previously enrolled at a university or community college in Arizona.

Military service records must be submitted, including form DD 214.

Source URL: <http://transfer.asu.edu/credits>

Links: [1] <mailto:admissions@asu.edu> [2] http://catalog.asu.edu/credit_exam

Transfer FAQs

- What is ASU's definition of a transfer student?
- What are the admission requirements for transfer students?
- Will I have to send ACT/SAT test scores to apply?
- Will I have to send high school transcripts to apply?
- Can I transfer college credits?
- How do I choose a major?
- I attended ASU previously as a transfer student. Am I a transfer student or a readmission student?
- I'd like to talk to someone at ASU about transferring. Is there a person I can talk to?
- I am ready to apply. What do I do?
- Do I have to have an associates degree to transfer?
- I am in high school and taking college courses. Am I considered a transfer student?
- How do I gain residency?
- Do I have to send all my transcripts?
- What prerequisites do I need to complete before transferring to ASU?
- Can I live on campus as a transfer student?

More FAQs below specific to California residents.

1. What is ASU's definition of a transfer student?

A transfer student is anyone applying for admission to ASU who has attended a college or university after high school graduation. Most students who completed courses while still in high school (dual enrollment) are considered freshmen.

2. What are the admission requirements for transfer students?

Please see transfer admission requirements [1] for details.

3. Will I have to send ACT/SAT test scores to apply?

It depends on your particular situation. If you are transferring fewer than 24 transferable credits, you must also meet freshman admission requirements, which may require ACT/SAT scores. Also, some majors, such as business, require a particular ACT/SAT score for admission into the program. See degree search [2] for major-specific admission information.

4. Will I have to send high school transcripts to apply?

Yes, unless you meet the following: you have an associate degree (or higher) from a regionally accredited institution posted on transcripts.

High school transcripts should be sent directly from your high school to:

ASU Undergraduate Admissions P.O. Box 870112 Tempe, AZ 85287-0112

5. Can I transfer college credits?

Please see how credit transfers to ASU [3] for details.

6. How do I choose a major?

There are a variety of resources available to help you select a major. You can start by visiting degree search [4] to explore the types of degree programs at ASU. You can also talk with a transfer representative [5].

7. I attended ASU previously as a transfer student. Am I a transfer student or a readmission student?

If you have previously attended ASU as a degree-seeking student, you will be considered a readmission student. Please see readmission information [6]

8. I'd like to talk to someone at ASU about transferring. Is there a person I can talk to?

Yes. ASU has a staff of transfer specialists who are specifically trained to discuss transferring to ASU. Answer a few short questions and we will contact you [7].

9. I am ready to apply. What do I do next?

Congratulations on making the decision to pursue your bachelor's degree at ASU. Apply online [8], send all official transcripts and pay the application fee by the preferential deadline [9] specified for each semester. This will start the transfer admissions process. Soon after you apply, you will receive a notice confirming that your application has been received and it will include information on how to monitor the status of your application.

10. Do I have to have an associate degree to transfer?

No, you can transfer at anytime as long as you meet transfer admission requirements [1]. However, ASU recommends attaining your associate degree before transferring.

11. I am in high school and taking college courses. Am I considered a transfer student?

No. Please see ASU's definition of a transfer student in question 1.

12. How do I gain residency?

Being declared a resident by the State of Arizona differs from being considered a resident for tuition purposes by ASU. The Residency Classification office has specific guidelines to follow when determining a student's residency status, initially based on the information provided on the application for admission. For more information, please review the Residency Classification Survey [10].

13. Do I have to send all my transcripts?

Yes. In order for ASU to determine whether you meet admission requirements, we must evaluate your entire academic history including course work completed at each institution attended.

14. What prerequisites do I need to complete before transferring to ASU?

There are no prerequisites required to be admitted to ASU, unless you have fewer than 24 transferable credits. Students with less than 24 transferable credits are required to meet freshman admission requirements [11], including aptitude and competency requirements.

15. Can I live on campus as a transfer student?

Yes, ASU has housing devoted specifically to upper-division students, and strongly encourage all students to live on campus their first year at ASU. For more information, refer to the University Housing website [12].

There is also a variety of off-campus housing options in close proximity to ASU's campuses. For more information on off-campus housing, check out the Center for Off-Campus & Commuter Student Services (OCCSS). [13]

FAQs for California residents

1. If attending a CA community college, is the IGETC/ CSU GE required for transfer? The IGETC/CSU GE is not a requirement for admission to ASU. It is optional whether a California community college student chooses to transfer in with their general education courses completed or not. Completing either GE pattern and getting certified by your community college will, however, satisfy many of the General Studies requirements at ASU.

2. What does it mean to get IGETC/CSU GE certified? Getting certified means you have completed all General Education requirements at your CA community college. If you have confirmed with your community college counselor that you are eligible for the certification, ASU will require that you submit the official certification along with your official transcripts to the Undergraduate Admissions Office.

3. Currently, I don't meet the WUE admissions requirements. Should I wait to apply? No. Even though you may not currently qualify for WUE, we will always re-evaluate your admission to the program if you currently have courses in progress and submit your last and final transcripts.

4. I live in California but would like to meet with an ASU representative to discuss the transfer process. Is there anyone I can speak to in person? Most certainly! ASU representatives will be throughout the state of California attending college transfer fairs and hosting various visits at California community colleges.

[14]

Source URL: <http://transfer.asu.edu/faqs>

Links: [1] <http://transfer.asu.edu/transferrequirements> [2] <https://webapp4.asu.edu/programs> [3] <http://transfer.asu.edu/credits> [4] <https://asu.edu/programs> [5] <http://transfer.asu.edu/contact> [6] <http://students.asu.edu/readmission> [7] <http://transfer.asu.edu/contactform> [8] <https://webapp4.asu.edu/ugapp/mainmenulogic> [9] <http://transfer.asu.edu/apply> [10] <http://students.asu.edu/residencyreclassificationsurvey> [11] <http://students.asu.edu/freshman/requirements> [12] <http://asu.edu/housing> [13] <http://www.asu.edu/studentaffairs/reslife/occss/> [14] <http://batchgeo.com/map/9ad1095fe437b6e811a6ab2a8ae64694>

Transferring from a Two-Year School

ASU is a diverse learning environment with representation from all 50 states in the nation and more than 160 countries. As a major metropolitan research university, ASU is internationally recognized for its innovative programs and distinguished faculty. We welcome you to our academic community.

Watch a brief video of nonresident students who transferred to ASU from community colleges and four-year institutions.

Find your path to ASU

We have established special transfer partnerships with the states listed below. We continue to work with colleges across the country to develop pathway programs that will help students like you transition to ASU.

- Arizona [1]
- California [2]
- Texas [3]

Western Undergraduate Exchange (reduced out-of-state tuition program)

ASU is part of the Western Undergraduate Exchange [4], offering students from 14 Western states (not including Arizona) the ability to study at a discounted nonresident tuition rate in more than 60 degree programs.

Source URL: <http://transfer.asu.edu/communitycolleges>

Links: [1] <http://transfer.asu.edu/communitycollege/AZ> [2] <http://transfer.asu.edu/communitycollege/CA> [3] <http://transfer.asu.edu/communitycollege/TX/general> [4] <http://students.asu.edu/wue>

Students from Four-Year Institutions

ASU is a diverse learning environment with representation from all 50 states in the nation and more than 160 countries. As a major metropolitan research university, ASU is internationally recognized for its innovative programs and distinguished faculty. We welcome you to our academic community.

General Transfer

You can transfer to ASU and complete a bachelor's degree in one of more than 250 academic programs. We will provide you with tools and services to help you transition to the university. Our transfer specialists [1] are available to help you prepare for your transfer to ASU. They can answer questions about the application process and guide you to additional ASU resources.

Western Undergraduate Exchange (reduced out-of-state tuition)

ASU is part of the Western Undergraduate Exchange [2] (WUE), offering students from 14 western states (not including Arizona) the ability to study at a discounted nonresident tuition rate in more than 60 degree programs. Learn which programs are eligible and the requirements.

Source URL: <http://transfer.asu.edu/fouryearinstitutions>

Links: [1] <http://transfer.asu.edu/contact> [2] <http://students.asu.edu/admission/wue>

International Undergraduate Admission

Your future will be shaped by decisions you make about education now. At ASU, you'll study with Fulbright scholars, Nobel laureates and other outstanding faculty. And with more than 250 undergraduate programs to explore, you'll find a program that matches your interests and talents.

Scholarship for International Students ASU offers a limited number of New American University Scholarships for highly qualified freshman students (F-1 and J-1 visa status) who are non-immigrant, nonresident and degree seeking. In order to be considered for this competitive scholarship, all admission application documents must be on file with ASU by April 1, 2012 for the fall 2012 semester. There is no separate scholarship application to complete. For information concerning scholarships deadline and requirements, please visit the scholarship posting or email asuinternational@asu.edu.

Admission Requirements

An international student (F-1 and J-1 visas) is a student who is not a citizen of, or a permanent resident of, or a refugee in the United States of America.

Academic Requirement

- Freshmen must have a 3.00 grade point average (GPA) (a "B" or better where "A"=4.00) from a secondary school.
- Transfer students must have a minimum 2.50 GPA (a "C+" or better where "A"=4.00) from a college or university.
- Some ASU colleges/schools require a minimum ACT or SAT score for admission into their programs, including the W. P. Carey School of Business.

English Language Proficiency Requirement

Applicants whose native language is not English (identified by the U.S. Department of State Bureau of Public Affairs) must provide evidence of English language proficiency. The English proficiency requirement may be fulfilled by meeting one of the following:

- Minimum score of 500 (paper-based), 173 (computer-based), or 61 (internet-based) on the Test of English as a Foreign Language (TOEFL).
- Minimum overall band of 6.0 with no band below 5.5 on the International English Language Testing System (IELTS).
- Minimum Pearson Test of English (PTE) of 53.

Note: Some ASU colleges/schools have higher English proficiency requirements. For example, The ASU Ira A. Fulton Schools of Engineering require a higher TOEFL score of 550 (paper-based), 213 (computer-based) or 79 (internet-based) as well as an IELTS score of 6.5. And, the Walter Cronkite School of Journalism requires a higher TOEFL score of 600 (paper-based) or 100 (internet-based), an IELTS score of 7.0 and a PTE score of 73.

Exceptions to the English (TOEFL/IELTS) Requirement:

- Applicants who have completed their junior and senior years in a U.S. high school with SAT Verbal score of 550 or ACT English score of 23.
- Applicants who have completed a minimum of 48 transferable semester credits including six credits of freshman English composition at a U.S. college or university with a cumulative GPA of 2.50 or higher.
- Applicants holding a bachelor's degree from a regionally accredited U.S. college or university.
- Applicants who have completed four years of high school in a U.S. high school. These applicants are subject to high school competency requirements.
- The TOEFL is not required for admission for applicants who have successfully completed the Advanced 2 level of the American English and Culture Program (AECIP) at Arizona State University.

Conditional Admission

ASU may offer conditional undergraduate admission to international applicants who meet the academic (aptitude) requirement but don't meet the minimum English proficiency standards. Through conditional admission, students must first successfully complete the

appropriate level English language course at ASU's American English and Culture Program (AECPP) or fulfill the ASU English Language Proficiency requirement as stated above before being allowed to enroll in university courses.

Competency Requirement

International students who attended **four years of high school in the U.S.** are required to meet the competency requirements.

- English: four years (composition/literature based).
- Math: four years - algebra I, geometry, algebra II and one course requiring algebra II as a prerequisite.
- Laboratory Science: three years total (1 year each from any of the following areas are accepted: biology, chemistry, earth science, integrated sciences, and physics).
- Social Science: two years (including one year American history).
- Foreign Language: two years (same language).
- Fine Arts: one year.

Higher Requirements for Some ASU Schools/Colleges

Some ASU colleges/schools have higher standards for admission into their programs. International applicants must meet general university international admission requirements as well as the appropriate freshman or transfer college/school requirements of their major. See Degree Search for details.

Financial Guarantee

All international applicants on F-1 or J-1 visas must provide a Financial Guarantee to show evidence of sufficient funds available for their studies before the application can be processed.

Application Deadlines

You must submit the Application for Undergraduate Admission, along with the application fee, by the deadline specified for each semester. In order to expedite the evaluation of your application, also submit official transcripts, test scores and supporting credentials immediately.

Fall Semester 2012

Application deadline is May 1, 2012.

Submit a complete application file by Apr. 1, 2012, to be considered for an ASU merit-based scholarship upon admission.

International students who have been admitted for the fall semester may begin attending classes as early as summer session.

Summer Sessions 2012

Application deadline is Feb. 1, 2012.

Applications for summer admission which arrive after Feb. 1, 2012, will be reviewed for admission for fall 2012.

International students who are in the U.S. and who are admitted for fall 2012 as full-time, degree-seeking undergraduates will also be eligible to enroll for summer 2012. Apply as early as possible to allow time for all documentation and processes to be completed.

Application Procedures

1. Complete the Undergraduate Admission Application. ASU prefers students to apply online.

If you are unable to complete the online application, download the paper application. Complete and sign the application (incomplete, unsigned applications cannot be processed). Send the completed application and all supporting documents (application fee, transcripts, test scores and the financial guarantee) to the address listed below.

Mailing Address Undergraduate Admissions Arizona State University PO Box 870112 Tempe, AZ 85287-0112 USA

For more information, call: 480-965-7788.

2. Submit the nonrefundable application fee. The application fee is \$65 (USD). If you did not submit your application fee with your admission application, you may pay in My ASU or submit payment in the form of a check or money order drawn on a U.S. Banking

Affiliate and made payable to Arizona State University. Do not send cash or international postal money orders. Application fees cannot be waived or transferred to a future application.

3. Request that an official transcript be sent directly from your school(s) to Undergraduate Admissions. Upon graduation or completion of the semester, request that a final transcript be sent directly to ASU to determine final admission status.

Official Transcripts: Official transcripts are certified copies of official documents from each secondary school, college, university and/or technical schools attended.

Records must include courses completed, grades or marks earned, and certificates or degrees awarded. Include a certified English translation of all documents not written in English. Official documents include:

- Original academic credentials issued by the registrar of the institution attended, bearing the original raised or colored seal of the institution and the signature of the institution's registrar, academic official or recognized international organization.
- Photocopies of academic credentials that have been verified as true copies of the original by a responsible official of the institution attended or by an educational representative of the country's government or embassy. Each page must bear the verifying official's signature and stamp.
- Photocopies of international academic credentials on file with the registrar of an institution you previously attended in the U.S.
- Photocopies of academic credentials that have been certified by a recognized international educational organization — such as the U.S. Educational Foundation, AMIDEAST or the Institute for International Education.

Note: Photocopies certified by a notary public are not official. Scanned copies are also not accepted in lieu of original official academic documents.

4. Submit evidence of English language proficiency.

Have your TOEFL or IELTS score sent directly to ASU.

TOEFL: The official TOEFL (Test of English as a Foreign Language) score report can be sent directly to ASU from the Educational Testing Service. ASU's TOEFL institutional code is 4007. For information about this test and registration procedures, contact ETS at PO Box 6151 Princeton, NJ 08541-6151, USA or visit www.toefl.org.

IELTS: For information about this test and registration procedures, contact the IELTS Office, University of Cambridge Local Examination Syndicate, 1 Hills Road, Cambridge/CB1 2EU, UK or visit www.ielts.org.

PTE: For information about the Pearson Test of English, visit <http://www.pearsonpte.com/Pages/home.aspx>.

5. Submit your ACT or SAT scores. If you have taken the ACT or SAT, please submit official scores to Undergraduate Admissions, because some ASU colleges/schools have minimum ACT/SAT score requirements for entrance to their programs.

6. Submit your financial guarantee. In compliance with Bureau of Citizenship and Immigration Services regulations, all international applicants on the F-1 (student) or J-1 (exchange) visa must provide evidence of sufficient funds available for their studies. The Financial Guarantee, dated within the past six months, must be co-signed by an authorized bank or representative of a recognized sponsoring agency in the U.S.A. An Affidavit of Support cannot be used in lieu of a bank statement. ASU has a Financial Guarantee Form (.PDF). ASU requires a bank statement or a bank letterhead that has been cosigned by a banking official.

Deferred Enrollment

You may not defer enrollment at ASU. If you must change the semester of enrollment on your application, please submit another online application and pay a new application fee for the new semester in which you are applying. Please note that all of your supporting documents are on file at ASU for one year, so you may not need to submit your other documents again.

After You Have Been Admitted to ASU

Next steps for fall 2012.

Items to Consider

1. Admission to ASU cannot be determined until your file is complete and all of your credentials are evaluated.
2. You must enroll full-time each semester.
3. Students holding F-2 visas cannot attend ASU on a full-time basis.

Source URL: <http://global.asu.edu/future/undergrad>

Nondegree Student Admission

Some individuals may be interested in studying in a nondegree status, either through pre-college summer programs or for their own personal learning experience. If this matches your interest, please read more about the nondegree status and follow the steps to completing a nondegree application for admission.

Definition of Nondegree Student Status

A nondegree student is one who has not attended ASU as a degree-seeking student, who has not earned a bachelor's degree, who is not attending full time, and who is not, at this time, applying to a degree program.

Once admitted to a degree program, a student is not permitted to register in a nondegree status.

Nondegree students may enroll in eight credit hours each fall or spring semester, seven semester hours for each 5-week summer session and nine semester hours for the 8-week summer session.

Nondegree students may apply up to 15 hours taken in nondegree status to a degree program if you choose to pursue an undergraduate degree in the future.

Nondegree students are not eligible for financial aid.

Nondegree students may not be eligible for academic advising.

[Application Requirements](#) [Application Deadlines](#) [Application Procedures](#)

Requirements

To be admitted to ASU as a nondegree student, an applicant must be a high school graduate.

Students currently enrolled in high school and persons under the age of 18 may be admitted as nondegree students by submitting an official high school transcript and a letter of approval from a high school counselor or principal.

Applicants must have a 3.0 cumulative GPA in Arizona Board of Regents competency courses [4] to be considered for admission.

[Apply now.](#) [5]

Preferential Application Deadlines

You must submit the Application for Undergraduate Admission, along with the application fee, by the deadline specified for each semester. In order to expedite the evaluation of your application, also submit official transcripts, test scores and supporting credentials immediately.

Fall semester: May 1 Spring semester: December 1 Summer session: May 1

Nondegree applications received after the preferential date for each semester will be considered on a space-available basis. Space is limited in some programs and admission to these programs is more competitive.

Application Procedures

- Complete the Undergraduate Admission Application. ASU prefers that you apply online [5].
- Submit the nonrefundable application fee:
 - Arizona residents - \$50.
 - Non-residents and online - \$65.

- If needed, have your ACT or SAT scores sent directly to ASU.

ASU will review your application for admission once all materials are on file. To see if your file is complete, sign in to My ASU [6] using your ASURITE ID provided to you after you submitted your application.

Mailing Address (All materials, all campuses) Undergraduate Admissions Arizona State University PO Box 870112 Tempe, AZ 85287-0112

Undergraduate Admissions Contact Information and Office Locations [7]

Source URL: <https://students.asu.edu/admission/nondegree>

Links: [1] <https://students.asu.edu/taxonomy/term/160> [2] <https://students.asu.edu/taxonomy/term/58> [3]

<https://students.asu.edu/taxonomy/term/66> [4] <http://students.asu.edu/admission/competencies> [5]

<http://www.asu.edu/ugapp> [6] <https://my.asu.edu> [7] <https://students.asu.edu/node/767>

Undergraduate Readmission

Quick Re-entry

If you are an undergraduate degree seeking student who previously attended ASU but have not been enrolled at ASU for one or two consecutive fall or spring semesters you are eligible to return through "Quick Re-entry." You do not need to submit a new application or application fee. You may sign in to My ASU [3] and register for classes. Note that you may have hold or to do items that you need to complete before you are able to register for classes. F1/J1 students are still responsible for all SEVIS requirements and should check with the International Students and Scholars Office [4] at ASU.

NOTE: you must submit official transcript(s) from any institution(s) you attended during your absence from ASU. Official transcripts must be mailed or sent electronically directly to Undergraduate Admissions by the records office of the issuing institution(s). ASU does not accept transcripts sent or carried by hand by applicants themselves or transmitted by fax. See Mailing Address.

Readmission Requirements

If you are not eligible for "Quick Re-entry" (i.e., because you have not been enrolled at ASU for three or more semesters, completed your academic program or were academically disqualified), you must apply for readmission [5] and submit applicable fees. An applicant for readmission must have an ASU GPA of 2.0 or higher, depending on the ASU school or college. Students who do not meet this GPA requirement may appeal. In these cases, the completed application for readmission may be subject to a due date that is earlier than the application deadline.

NOTE: you must submit official transcript(s) from any institution(s) you attended during your absence from ASU. Official transcripts must be mailed directly to Undergraduate Admissions by the records office of the issuing institution(s). ASU does not accept transcripts sent or carried by hand by applicants themselves or transmitted by fax. See Mailing Address. Read more about transferring college credit to ASU [6].

Preferential Application Deadlines

Fall Semester ASU's preferential readmission application deadline for Fall Semester is June 1. Readmission applications received after June 1 will be considered on a space-available basis. Space is limited in some programs and admission to these programs is more competitive.

Spring Semester ASU's preferential readmission application deadline for Spring Semester is December 1. Readmission applications received after December 1 will be considered on a space-available basis. Space is limited in some programs and admission to these programs is more competitive.

Summer Semester Preferential deadline is May 1.

What needs to be submitted by the deadline? You must submit the Application for Undergraduate Admission, along with the application fee, by the deadline specified for each semester. In order to expedite the evaluation of your application, also submit official transcripts, test scores and supporting credentials immediately.

I was previously admitted to ASU but did not attend. Am I a readmission student or a transfer student? If you have previously been admitted to ASU but did not attend, you will be considered a freshman student [7] or a transfer student [8].

Application Procedures

1. Complete the Undergraduate Admission Application [5]. ASU prefers that you apply online. 2. Submit the nonrefundable application fee:

- Arizona Residents - \$50.
- Non-residents - \$65.

If applying to an Online degree program a nonrefundable application fee of \$65 will be charged regardless of residency classification.

3. Request that an official transcript be sent directly from your school(s) to Undergraduate Admissions. Upon completion of the semester, request that a final transcript be sent directly to ASU to determine final admission status. A student who does not meet readmission requirements for his/her selected major must submit complete transcripts before an admissions decision is made. Students need only submit transcripts from institutions other than ASU. **NOTE:** Receipt of your final transcript impacts financial aid disbursement and eligibility to register for future classes.

4. All applicants on F1 or J1 visas must provide a Financial Guarantee to show evidence of sufficient funds available for their studies before the application can be processed. In addition, US Citizenship and Immigration Services (USCIS) requires ASU to obtain additional information prior to processing your visa application. You must go to My ASU [3] and login, and then update address information showing Local and SEVIS addresses (list current US address as Local Address; add home country address as SEVIS Address). Please note that if you are readmitted, you must still meet all deadlines associated with the issuance of an I-20 to attend ASU. These deadlines are dependent upon your current location. Contact the International Student Office at ASU for immigration information at 480.965.7451 or ISO@asu.edu [9].

Mailing Address (Transcripts and other materials, all campuses) Undergraduate Admissions Arizona State University PO Box 870112 Tempe, AZ 85287-0112

Admission Before Receipt of Final Transcript

Applicants enrolled in other colleges and universities may be considered for readmission on the basis of meeting all readmission requirements, except for a final transcript of work in progress. This final transcript must be sent to Undergraduate Admissions directly from the issuing institution immediately after the work in progress has been completed. Transcripts carried by hand are not accepted.

Admission is official only after the final transcript has been received showing that the applicant has met the university readmission requirements. In the event the applicant does not qualify or has falsified application documents, readmission and registration are canceled, and any registration fees paid are returned according to university refund policies.

Veterans Exception

By Arizona statute, no failing grades received by a veteran at an Arizona university or community college before military service may be considered when determining admissibility. This exception applies only to veterans who

- are honorably discharged;

- have served in the armed forces of the United States for a minimum of two years; and
- have previously enrolled at a university or community college in Arizona.

Military service records must be submitted, including form DD 214.

Academic Renewal

Academic renewal is a university policy administered to recalculate the cumulative ASU GPA of an undergraduate student who:

1. Is pursuing his/her first undergraduate degree and has not previously received an academic renewal; and
2. Has a cumulative ASU GPA below 2.0 (individual colleges may elect to consider applications for students whose GPA is a 2.0 or higher); and
3. Is readmitted to a degree program after an absence of at least five continuous calendar years (including summer sessions).

Courses (including transfer credits) completed before the five-year absence with a grade "C" (2.00) or higher was earned are treated in the same manner as if all the credits were transfer credits, up to a maximum of 60 credit hours.

The cumulative GPA is based only on credits earned subsequent to the student's reentry. Graduation requirements for resident credit hours and GPA must be fulfilled after the academic renewal. Graduation requirements for academic recognition (resident credit hours and GPA) must also be fulfilled after the academic renewal.

Courses completed before and after the academic renewal remain on the transcript and may be considered when students apply for undergraduate professional or graduate programs.

A request for academic renewal follows this procedure:

- Students interested in academic renewal must fill out the Application for Academic Renewal and submit the form to the Dean's Office in the college of your major.
- The Application for Academic Renewal may be submitted immediately upon readmission but must be submitted no later than the start of the third semester after readmission.
- The Dean's Office specifies in advance a minimum of 12 semester hours required for completion.
- When the approved credits are completed with a cumulative GPA of 2.50 or higher, and no grade lower than "C" (2.00) in each course, the Dean's Office will forward the Application for Academic Renewal to the University Registrar's Office for processing.

Only readmission students working toward their first undergraduate degree are eligible to apply for academic renewal, which may be effected only once during a student's academic career.

Academic renewal is transferable among colleges.

All students with a cumulative ASU GPA below 2.00 and have been absent from ASU 5 consecutive calendar years or more are eligible to petition for academic renewal. Individual colleges may elect to entertain petitions for academic renewal from students with ASU GPAs above 2.00. College standards committees have final authorization on academic renewal petitions.

Undergraduate Readmissions Contact Information and Office Locations (for all campuses)

Phone: 480.965.7788 Fax: 480.965.3610 Location: Student Services Building, Room 112, Tempe campus (map [10])

Leave of Absence

Undergraduate Student Leave of Absence [11]

If a student needs to take an extended break from their studies at the University they may be eligible for a Leave of Absence. The Undergraduate Student Leave of Absence (LOA) policy assists and encourages students to return and graduate after an absence of more than two consecutive fall and spring semesters from ASU. Students who have more than two consecutive semesters of

absence and who have been granted a leave of absence need not apply for readmission or pay readmission fees and may participate in their regularly scheduled registration/enrollment period upon return to the University.

Source URL: <https://students.asu.edu/readmission>

Links: [1] <https://students.asu.edu/taxonomy/term/160> [2] <https://students.asu.edu/taxonomy/term/164> [3] <http://my.asu.edu> [4] <http://global.asu.edu/current> [5] <https://webapp4.asu.edu/ugapp/mainmenulogic> [6] <http://transfer.asu.edu/credits> [7] <https://students.asu.edu/freshman/requirements> [8] <http://transfer.asu.edu/apply> [9] <mailto:ISO@asu.edu> [10] <http://www.asu.edu/map/interactive/?campus=tempe&building=SSV> [11] <https://students.asu.edu/leave-absence>

Attendance

The instructor has full authority to decide whether class attendance is required.

Source URL: <http://catalog.asu.edu/attendance>

Published on *ASU Academic Catalog* (<http://catalog.asu.edu>)

Arizona General Education Curriculum (AGEC)

The Arizona public community colleges and universities have agreed upon a common structure for a general education core. This curriculum provides students attending any Arizona public community college with the opportunity to build a general education program that is transferable to any other state institution without loss of credit. This common agreement is called the Arizona General Education Curriculum (AGEC).

The AGEC is composed of 35 semester hours of lower-division general education course work in which a student may prepare for transfer.

The AGEC has three forms: AGEC-A, AGEC-B and AGEC-S. Refer to <http://www.aztransfer.com/AGECReqs> [1] for a detailed description of each AGEC.

Community colleges are responsible for certifying the date of completion of the AGEC on the official institutional transcripts.

Completion of the appropriate AGEC will fulfill university lower-division general education requirements of the baccalaureate degree with which the AGEC articulates but may not apply to degrees articulated with the Transfer Guide Pathway TG-XR. Students completing the AGEC will still be required to fulfill lower-division program requirements and prerequisites within their college and major and minor area of study. To complete a degree program most efficiently, students should select courses that concurrently satisfy AGEC and major requirements.

Completion of any AGEC guarantees admission to the university provided that a GPA of 2.00 (for Arizona residents) or 2.50 (for nonresidents) has been achieved. AGEC completion, however, does not guarantee admission to any specific university program. Many majors (e.g., architecture, engineering, business, the fine and creative arts or health professions) have significant prerequisites and/or program requirements that must be completed before a student may be admitted to upper-division course work. Community college students who are undecided about which of the universities they plan to attend or what program of study they intend to pursue are advised to explore educational options while they complete the AGEC. In all cases, students have the responsibility for selecting general education course work that is relevant to the requirements of their intended major and degree.

Students who complete both the AGEC and an approved associate's degree will be assigned junior-class standing by the state universities. Junior-class standing is based on the number of semester credits a student has earned and does not necessarily indicate the remaining number of semester credits needed to complete degree requirements. Course prerequisites, major requirements and upper-division requirements continue to be specified by each university. Appropriate sequencing of courses and timely completion of course prerequisites are essential to ensure efficient progress toward a baccalaureate degree. Students who have identified the university they plan to attend and/or a major area of study are advised to fulfill requirements and prerequisites identified by these programs through transfer guides or curriculum check sheets provided by the state universities. The AGEC does not replace articulation agreements developed to enhance the transfer process between specific institutions, e.g., Associate Transfer Partnership Degrees (ATP). Nor does the AGEC eliminate the possibility that students who have identified the university they plan to attend and a major area of study will follow transfer guides provided by the state universities.

Source URL: <http://catalog.asu.edu/agec>

Links:[1] <http://www.aztransfer.com/AGECReqs>

Course Load and Concurrent Enrollment

Course

A minimum full-time course load for an undergraduate student is 12 credit hours. The maximum course load for which a student may register is 18 credit hours (with the exception of a 19-hour maximum for students enrolled in the Ira A. Fulton Schools of Engineering and College of Technology and Innovation). A student wishing to register for more than the maximum must petition the standards committee of the college in which the student is enrolled and must obtain an approved overload before registration.

Summer Session Semester Hour Load

The summer session credit hour load limit is seven credit hours for each six-week session and nine credit hours for the eight-week session, and the load limit may not exceed a total of 14 credit hours for any combination of sessions.

Graduate Credits Earned by Undergraduate Students

ASU undergraduate students who have achieved senior status (cannot be post-baccalaureate) with a cumulative GPA of 3.00 or higher may count up to nine credit hours of graduate-level course work toward their graduate degree at ASU (pre-admission credit hours). Only graduate courses with a grade of "B" (3.00) or higher may be included on a graduate plan of study. Pre-admission graduate courses cannot be used to meet any baccalaureate graduation requirements. Before registering for these courses, the student must submit a petition through their academic unit. Permission to take a pre-admission graduate course does not guarantee admission to a graduate degree program or that the course may be used toward graduate degree requirements.

Use of Graduate Course Credit by Undergraduates

Graduate course credit earned by an undergraduate student that is used to fulfill requirements for an undergraduate degree program cannot also be used in a graduate degree program unless the student is enrolled in an approved 4+1 program. Students must contact their advisor before enrolling in a graduate course they wish to use toward a future graduate program at ASU.

Concurrent Enrollment

Provided that the other institution's regulations concerning enrollment, graduation requirements and transfer of credits are not violated, a student may enroll in classes at other institutions or in independent learning courses while enrolled at ASU. However, the student is urged to seek advising before concurrent enrollment to assure orderly progress toward a degree. If total credits exceed the maximum course load, prior permission must be granted by the college standards committee.

Enrollment Verification Guidelines

The registrar is responsible for verifying enrollment, according to general guidelines; see Enrollment Verification [1].

Source URL: http://catalog.asu.edu/course_load

Links:[1] <http://students.asu.edu/enrollment-verification>

Credit by Examination

Credit by Examination

Students may receive credit for an ASU course by taking an examination in place of the actual course. Some exams can be taken prior to admission to ASU. Information is provided below for each type of exam, the courses that are equivalent and other conditions that may apply to credit being awarded .

- A student may earn no more than 60 hours of credit by examination for any or all programs, including ASU comprehensive and proficiency exams.
- Credit will not be awarded for any course in which the student has been given credit from any educational institution.
- Credit will not be granted for a course taken at an educational institution after credit by examination has been awarded.
Exception: Students who take the advanced placement exams, however, may choose either 1) to have the credit earned by advanced placement kept in their cumulative university hours, or 2) to complete the ASU course and have the credit and grade instead, regardless of in which order the test or course are taken. (See the Advanced Placement section below for additional details on the exam and its equivalent scores.)
- Credit may not be received for a lower-level or prerequisite course when credit has already been received in a higher-level course within the same field.
- Only credit earned by comprehensive examination will count toward the resident credit requirement for graduation.

College-level Examination Program (CLEP) [1] – can be taken before or during enrollment at ASU. Advanced Placement (AP) [2] – taken during secondary school or before enrollment at ASU. DANTES or DSST (Defense Activity for Nontraditional Education Support Subject Standardized Test) [3] – taken by military or approved government personnel before or during enrollment at ASU.

International Baccalaureate (IB) Diploma/Certificate [4] – earned by students of an International Baccalaureate®-approved school before enrollment at ASU. Comprehensive Examinations [5] – can be taken by current ASU students. Proficiency Examinations [6] – can be taken by current ASU students.

For information about placement testing for mathematics and English classes prior to orientation, please refer to the Placement and Testing Requirements [7] in the ASU Catalog.

College-Level Examination Program (CLEP)

Students who have taken a College-Level Examination of the College Entrance Examination Board may receive university credit. The table of CLEP credit applies to all students enrolled in the university for the first time in August 1975 and any student enrolling thereafter. CLEP examination credit is not given where it duplicates credit previously earned by the student at the university or accepted by the university for work done elsewhere. All examinations are given monthly by University Testing and Scanning Services [8].

The General Studies requirement in natural science (SQ and SG) and literacy and critical inquiry (L) are not satisfied by CLEP. There is no limit to the number of CLEP credits that can be used to fulfill the other parts of the General Studies requirement. A student who has received ASU credit for a course due to Special Programs credit may not duplicate the credit by enrolling in the same class for credit at ASU or transferring it to another institution.

Subject Examinations

To obtain credit or placement for all subject exams except English, French, German, and Spanish, a student must receive a score of 50 (Computer Based Testing [CBT] scale) or higher. To obtain credit for College Composition, a student must receive a standard score of 610 (1978 scale), 500 (1986 scale), or 50 (CBT scale). For test scores for French, German, and Spanish, see the CLEP credit table, below.

All equivalency is subject to future review and possible catalog change. For more information, contact University Testing and Scanning Services [8] at 480-965-7146, or visit 1130 E. University Dr., Suite 204, Tempe, AZ.

CLEP Credit (click to expand)

Examination	Semester Hours	Equivalency
American Government	3	POS 110
American Literature	3	Elective credit

Analyzing and Interpreting Literature	3	Elective credit
Biology	8	BIO 181, 182
Calculus	3	MAT 265
	4	MAT 270
Chemistry	8	CHM 113, 116
College Algebra	3	MAT 117
College Composition	3	ENG 101
College Composition - Modular	0	No Credit
College Mathematics	3	MAT 142
English Literature	3	Elective credit
French Language	4	FRE 101 (Students must score 50–54.)
	8	FRE 101, 102 (Students must score 55–61.)
	12	FRE 101, 102, 201 (Students must score 62–65.)
	16	FRE 101, 102, 201, 202 (Students must score 66 or higher.)
German Language	4	GER 101 (Students must score 39–45.)
	8	GER 101, 102 (Students must score 46–50.)
	12	GER 101, 102, 201 (Students must score 51–59.)
	16	GER 101, 102, 201, 202 (Students must score 60 or higher.)
History of the United States I—Early Colonization to 1877	3	HST 109
History of the United States II—1865 to the Present	3	HST 110
Human Growth and Development	3	CDE 232
Humanities	0	No credit
Information Systems and Computer Applications	3	Elective credit
Introduction to Educational Psychology	0	No credit

Introductory Business Law	3	Elective credit
Introductory Psychology	3	PGS 101
Introductory Sociology	3	SOC 101
Natural Sciences	8	Elective credit
Precalculus (replaces College Algebra/Trigonometry)	3	MAT 170
Principles of Accounting	6	Elective credit
Principles of Macroeconomics	3	ECN 211
Principles of Management	0	No credit
Principles of Marketing	0	No credit
Principles of Microeconomics	3	ECN 212
Social Sciences and History	6	Elective credit
Spanish Language	4	SPA 101 (Students must score 50–54.)
	8	SPA 101, 102 (Students must score 55–65.)
	12	SPA 101, 102, 201 (Students must score 66–67.)
	16	SPA 101, 102, 201, 202 (Students must score 68 or higher.)
Western Civilization I—Ancient Near East to 1648	3	HST 102 or 103
Western Civilization II—1648 to the Present	3	HST 104

Advanced Placement

Students who have taken an advanced placement (AP) course of the College Entrance Examination Board (CEEB) in their secondary school and who have taken an AP Examination of the CEEB may receive university credit. No credit is given for any examination with a score of 2 or 1. There is no limit to the number of AP credits that can be used to meet the General Studies requirement, including the requirements in natural sciences (SQ and SG) and literacy and critical inquiry (L).

When the scores are received by the university directly from the CEEB, credit is awarded as shown in the Advanced Placement Credit table below.

Advanced Placement Credit (click to expand)

Examination	Score	Semester Hours	Equivalency
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Art—History	5 or 4	6	ARS 101, 102
	3	3	ARS 101 or 102
Biology	5 or 4	8	BIO 181, 182
	3	4	BIO 100
Calculus AB	5, 4, or 3	4	MAT 270
Calculus BC	5 or 4	8	MAT 270, 271
	3	4	MAT 270
Chemistry	5 or 4	8	CHM 113, 116
	3	4	CHM 113
Chinese Language and Literature	5	20	CHI 101, 102, 201, 202
	4	15	CHI 101, 102, 201
	3	10	CHI 101, 102
Comparative Government and Politics	5 or 4	3	POS 150
Computer Science A	5 or 4	3	CSE 110
Computer Science AB	5 or 4	6	CSE 110, 205
English Language & Composition	5 or 4	6	ENG 101, 214
English Literature & Composition	5 or 4	6	ENG 101, 204
Environmental Science	5 or 4	3	PLB 320
European History	5 or 4	6	HST 103 and 104
French Language and Culture	5	14	FRE 201, 202, 311, 312
	4	11	FRE 201, 202, 311
	3	8	FRE 201, 202

German Language and Culture	5	14	GER 201, 202, 311, 312
	4	11	GER 201, 202, 311
	3	8	GER 201, 202
Human Geography	5, 4, or 3	3	GCU 102
Japanese Language and Culture	5	20	JPN 101, 102, 201, 202
	4	15	JPN 101, 102, 201
	3	10	JPN 101, 102
Latin: Vergil	5	16	LAT 101, 102, 201, 202
	4	12	LAT 101, 102, 201
	3	8	LAT 101, 102
Macroeconomics	5 or 4	3	ECN 211
Microeconomics	5 or 4	3	ECN 212
Music Theory	5 or 4	3	MTC 125
	3,	4	PHY 111, 113
Physics B	4 or 5	8	PHY 111, 113 and 112, 114
Physics—AP Mechanics C	3, 4 or 5	4	PHY 111, 113
Physics—AP Electricity and Magnetism C	3, 4 or 5	8	PHY 112, 114
Psychology	5 or 4	3	PGS 101
Spanish—Language	5	14	SPA 201, 202, 311, 312
	4	11	SPA 201, 202, 311
	3	8	SPA 201, 202

Spanish—Literature	5	15	SPA 111, 201, 202, 325
	4	12	SPA 111, 201, 202
	3	8	SPA 201, 202
Statistics	5, 4, or 3	3	STP 226
Studio Art: Drawing	5	6	ART 111, 112
	4	3	ART 111
Studio Art: 2-D Design	5	6	ART 112, 194 ST: 2-D Design
	4	3	ART 112
Studio Art: 3-D Design	5	6	ART 115, 194 ST: 3-D Design
	4	3	ART 115
U.S. Government and Politics	5 or 4	3	POS 110
U.S. History	5 or 4	6	HST 109 and 110
World History	5 or 4	3	HST 101

DANTES/DSST

Students who have taken a DSST (DANTES [Defense Activity for Nontraditional Education Support] Subject Standardized Test) may receive university credit. Credit is awarded for score results at or above the American Council on Education's recommended score if the subject examination is applicable to a program of study at ASU or may be assigned elective credit. To receive credit, a transcript showing the DSST results must be received by ASU directly from the Educational Testing Service.

Dantes/DSST (click to expand)

DSST Exam	ASU Credit	Score	Semester Hours
A History of the Vietnam War	No credit		
An Introduction to the Modern Middle East	Elective credit	47	3
Art of the Western World	ARS 101 or 102	48	3
Astronomy	No credit		
Business Ethics and Society	No credit		

Business Law II	No credit		
Business Mathematics	Elective credit	48	3
Criminal Justice	CRJ 100	49	3
Environment and Humanity: The Race to Save the Planet	Elective credit	46	3
Ethics in America	Elective credit	46	3
Foundations of Education	Elective credit	46	3
Fundamentals of College Algebra	MAT 117	47	3
Fundamentals of Counseling	Elective credit	48	3
General Anthropology	No credit		
Here's to Your Health	No credit		
Human Resource Management	No credit		
Human/Cultural Geography	GCU 102	48	3
Introduction to Business	Elective credit	46	3
Introduction to Computing	Elective credit	45	3
Introduction to Law Enforcement	CRJ 230	45	3
Introduction to World Religions	No credit		
Lifespan Developmental Psychology	Elective credit	46	3
Management Information Systems	Elective credit	46	3
Money and Banking	No credit		
Organizational Behavior	Elective credit	48	3
Personal Finance	Elective credit	46	3
Physical Geology	No Credit		
Principles of Finance	No Credit		
Principles of Financial Accounting	No Credit		
Principles of Physical Science I	Elective credit	47	3

Principles of Public Speaking	Elective credit	47	3
Principles of Statistics	STP 226	48	3
Principles of Supervision	Elective credit	46	3
Rise and Fall of the Soviet Union	Elective credit	45	3
Substance Abuse (formerly Drug and Alcohol Abuse)	No credit		
Technical Writing	Elective credit	46	3
The Civil War and Reconstruction	Elective credit	47	3
Western Europe since 1945	No credit		

International Baccalaureate (IB) Diploma/Certificate

Students who present an International Baccalaureate Diploma/Certificate may qualify for university credit, depending on the level of the examination and the grade received. Arizona State University grants credit for higher-level courses only. A grade of five qualifies the student to receive credit for up to two introductory courses while a grade of four qualifies a student to receive credit for one introductory course. No credit is awarded for English as a Second Language (English B). Credit is awarded according to the International Baccalaureate Diploma/Certificate Credit table below.

International Baccalaureate Diploma/Certificate Credit (click to expand)

Examination*	Score	Semester Hours	Equivalency
Art/Design	7, 6 or 5	6	ART 111, 112
	4	3	ART 112
Biology	7, 6 or 5	8	BIO 181, 182
	4	4	BIO 187
Chemistry	7, 6 or 5	8	CHM 113, 116
	4	4	CHM 113
Classical Languages (Latin)	7, 6 or 5	8	LAT 101, 102
	4	4	LAT 101

Economics	7, 6 or 5	6	ECN 211, 212
	4	3	ECN 211
English A	7, 6 or 5	6	ENG 101, 214
	4	3	ENG 214
English B	No credit	0	None
Geography	7, 6, 5 or 4	3	GCU 102
History—American	7, 6 or 5	6	HST 109, 110
	4	3	HST 109
History—East and Southeast and Oceania	7, 6 or 5	6	HST 107, 240
	4	3	HST 107
History—European	7, 6 or 5	6	HST 103, 104
	4	3	HST 103
Mathematics	7, 6 5, or 4	4	MAT 270
Music	7, 6 5, or 4	3	MTC 125
Modern Languages: Chinese	7	15	CHI 102, 201, 202
	6	10	CHI 102, 201
	5	5	CHI 102
Modern Languages: French	7	16	FRE 101, 102, 201, 202
	6	12	FRE 101, 102, 201
	5	8	FRE 101, 102
Modern Languages: German	7 or 6	8	GER 101, 102
	5	4	GER 101

Modern Languages: Japanese	7	15	JPN 102, 201, 202
	6	10	JPN 102, 201
	5	5	JPN 102
Modern Languages: Spanish	7, 6	8	SPA 101, 102
	5	4	SPA 101
Physics	7, 6 or 5	8	PHY 111, 112, 113, 114
	4	4	PHY 111, 113
Psychology	7, 6, 5 or 4	3	PGS 101
Social and Cultural Anthropology	7, 6, 5 or 4	3	ASB 102
Theatre	7, 6, 5 or 4	3	THE 100
Visual Arts	7, 6 or 5	6	ART 111, 112
	4	3	ART 112

* No credit is awarded if the language is the student's native language.

Comprehensive Examinations

A comprehensive examination is intended to permit a student to establish academic credit in a field in which the student has gained experience or competence equivalent to an established university course. Applications are given only for courses listed in the current catalog and only for courses in which a comprehensive examination can serve as a satisfactory measure of accomplishment.

A number of restrictions apply. To be eligible to apply to take a comprehensive examination to establish undergraduate course equivalence, a student must:

- Have earned not more than 60 semester hours of credit through comprehensive, CLEP, international baccalaureate and advanced placement examinations.
- Have earned no credit for a duplicate course.
- Have earned no credit for a course for which this course is a prerequisite.

The decision on the suitability of course material for a comprehensive examination, the development of a comprehensive examination and the administration of an examination are strictly departmental functions. An application is for one course only. The student should complete an application form with the number, title and number of semester hours for the course. When completed, the application must be approved by the student's advisor and the chair of the department responsible for offering the course.

The student must then pay the stated fee for such examinations at Cashiering Services. The receipt must be taken to the departmental office.

The examination is prepared by the instructor who normally conducts the course, and it is comprehensive in nature and scope. The instructor and other experts designated by the chair grade the examination, using letter grades "A+," "A," "A-," "B+," "B," "B-," "C+," "C," "D" or "E." If the grade is "C" or higher, a mark of "Y" is entered on the student's permanent record; otherwise, no entry is made. Credit by examination is indicated as such on the record. The student is notified by mail of the result of the examination. In cases of failure ("D" or "E"), the student is not given an opportunity to repeat the examination.

A student pursuing a second baccalaureate degree may not receive credit by comprehensive examination, but with prior approval of the college, the student may use the examination to waive a course requirement if a grade of "C" or higher is earned.

Proficiency Examinations

Proficiency examinations and auditions are given:

- To waive a course requirement.
- To validate certain transfer credits in professional programs.
- To determine a student's ability in a field where competence is an important consideration.

Detailed information may be obtained from the dean's office of the college in which the student is registered.

Source URL: https://catalog.asu.edu/credit_exam

Links: [1] https://catalog.asu.edu/credit_exam#CLEP [2] https://catalog.asu.edu/credit_exam#AP [3]

https://catalog.asu.edu/credit_exam#DANTES [4] https://catalog.asu.edu/credit_exam#IB [5]

https://catalog.asu.edu/credit_exam#COMP [6] https://catalog.asu.edu/credit_exam#PRO [7] https://catalog.asu.edu/test_req [8]

http://www.asu.edu/uts/e_clep.htm

Placement and Testing Requirements

English Placement

All new, transfer or readmitted undergraduate students who plan to enroll for seven or more semester hours must meet one of the following testing requirements. Students who fail to meet at least one of these requirements are not allowed to register for any course the following semester:

- Take the ACT English or SAT verbal examination, and have scores submitted to ASU.
- Receive a score of 4 or 5 for the advanced placement examination in English offered by the College Entrance Examination Board, and have scores submitted to ASU.
- Take the CLEP general examination in College Composition, earning a score that qualifies for equivalency with ENG 101, and have scores submitted to ASU.
- Have previously taken ENG 101, 102, 105, 107 or 108 at ASU; or have previously earned a grade of "Y"; or be currently enrolled in WAC 101 or 107 at ASU. If the course was taken before 1980, contact the Recording Section, in SSV 142, before registering for classes.
- Transfer a course equivalent to ENG 101, 102, 105, 107 or 108 with a grade of "C" (2.00) or higher. An official transcript showing the grade must be received at ASU. If a student transfers an equivalent composition course from a public Arizona community college or university, or an articulated equivalent course from another institution, the equivalency is automatically posted and the student need not take further action. A student transferring a non-articulated composition course from any other college or university may be required to submit documentation to determine equivalency of the courses. After consultation with an advisor, if evaluation is necessary, the student should provide a copy of both the transfer transcript and the catalog description of the course to the Writing Programs Office in LL 314 (480-965-3853) on the Tempe campus or the Writing Programs Office in FABN 201A (602-543-6091) on the West campus.
- An international student whose native language is not English must take ENG 107 (or WAC 107 followed by ENG 107 the second semester) in the first semester at ASU, unless they have taken and transferred an equivalent composition course from a college or university in the U.S. Such a course must be evaluated for equivalency by the Composition Office.

Admitted ASU students who have not sent official ACT or SAT scores to ASU may need to take the WritePlacer section of the ACCUPLACER Placement Test [1] for placement into a first-year English composition course.

Math Placement

ASU requires all incoming freshmen to complete the ALEKS Placement Exam [2] for mathematics prior to orientation, in order to determine the appropriate math course for enrollment.

Source URL: https://catalog.asu.edu/test_req

Links: [1] http://asu.edu/uts/e_accuplacer.htm [2] <http://students.asu.edu/node/7768>

Retention and Academic Standards

Class Standing

A student's class standing is determined by the number of hours earned, as shown in the table below.

Class Standing

Student	Hours Earned
Freshman	24 or fewer semester hours earned
Sophomore	25 to 55 semester hours earned
Junior	56 to 86 semester hours earned
Senior	87 or more semester hours earned
Graduate	Bachelor's from accredited institution

Academic Good Standing

For the purpose of retention, academic good standing for degree-seeking students is defined in the table below.

Academic Good Standing

Total Earned Hours	Minimum Cumulative GPA
24 or fewer	1.60
25 to 55	1.75
56 or more	2.00

A student who does not maintain the minimum GPA standard is placed on academic probation or is disqualified. A student on academic probation is in conditional good standing and is permitted to enroll. A student who has been disqualified is not in academic good standing and is not permitted to enroll for fall or spring semesters.

To transfer from one college to another within the university or to be eligible for readmission, a student must have an ASU GPA of 2.00 or higher. The GPA determining good standing is computed on courses taken only at ASU.

For purposes of retention or transfer, an individual college may set higher GPA standards; otherwise, the university standards prevail. See the college sections of this catalog or contact the college deans' offices for statements regarding college retention standards.

Dean's List

Undergraduate students who earn 12 or more graded semester hours ("A+," "A," "A-," "B+," "B," "B-," "C+," "C," "D" or "E") during a semester in residence at ASU with a GPA of 3.50 or higher are eligible for the Dean's List. A notation regarding Dean's List achievement appears on the unofficial transcript.

Satisfactory Academic Progress

The university is required to publish and enforce standards of satisfactory academic progress for certain students (e.g., student athletes, students receiving financial aid and students receiving veterans benefits).

Certification of satisfactory progress for student athletes is verified by the academic advisor and the dean's designee for certifying satisfactory progress. Certification of satisfactory progress for students receiving financial aid or veterans benefits is verified by Student Financial Assistance or the Veterans Services section, respectively. Students should contact their advisors or the appropriate office for additional information on satisfactory progress requirements.

Probation

A student's college assumes responsibility for enforcing academic standards and may place on probation any student who has failed to maintain good standing as previously defined. For purposes of probation and retention, an individual college may set higher GPA standards. A student on academic probation is required to observe any rules or limitations the college may impose as a condition for retention.

Ineligible

A student who is placed on ineligible status at the end of a semester is considered ineligible to continue in the college or school at the end of the following semester, even if the student meets ASU good standing requirements but not the conditions imposed for retention by the college or school. At the close of the semester, a student deemed ineligible will receive a letter from the college or school that will outline options available for continuing at ASU in another college.

Ineligibility is exercised at the discretion of the college. An ineligible student is notified by the dean of the college and is not allowed to register in a fall or spring semester at the university, unless arrangements are made to transfer to another college. A student who has already registered for a future semester will be withdrawn from classes. An ineligible student who does not change to a different major may not attend ASU. A student who is ineligible may apply for reinstatement to the college standards committee. An ineligible student may not attend ASU as a nondegree student.

Disqualification

A student who is placed on probation at the end of a semester is subject to disqualification by the college or school at the end of the following semester if the conditions imposed for retention are not met.

Disqualification is exercised at the discretion of the college/school. A disqualified student is notified by the dean of the college and is not allowed to register in a fall or spring semester at the university. If the student has already registered for a future fall or spring semester, the registration is canceled. A student who has been disqualified may apply for reinstatement to the college standards committee. A student who is disqualified may not attend as a nondegree student. If a disqualified student elects to attend another university, any credits earned there will not affect the ASU cumulative GPA. A course repeated elsewhere will not result in a

replacement of a grade earned at ASU. Disqualified students must consult with an academic advisor to determine eligibility to attend ASU in the summer session, to raise the ASU cumulative GPA.

Reinstatement

A disqualified or ineligible student who has skipped a fall or spring semester must follow the procedures for readmission. See Readmission to the University [1].

A disqualified or ineligible student who has not skipped a semester may submit an Application for Reinstatement to the college of his or her major. If the student wishes to transfer to a different college, he or she may submit an Application for Reinstatement to the college into which he or she wishes to transfer. An ineligible student who does not skip a fall or spring semester must follow the ineligible procedures. See ineligible status.

Academic Integrity

Find out more about academic integrity [2].

Source URL: https://catalog.asu.edu/retention_standing

Links: [1] <http://students.asu.edu/readmission> [2] <http://provost.asu.edu/academicintegrity>

Academic Integrity

What is a violation of the academic integrity policy?

The ASU student academic integrity policy lists violations in detail. These violations fall into five broad areas that include but are not limited to:

- Cheating on an academic evaluation or assignment.
- Plagiarizing.
- Academic deceit, such as fabricating data or information.
- Aiding academic integrity policy violations and inappropriately collaborating.
- Falsifying academic records.

What is not a violation of the academic integrity policy?

Not all inappropriate behavior in the academic setting is an academic integrity policy violation.

Student Code of Conduct

Violations of the ASU Student Code of Conduct, other than the provision concerning academic dishonesty, are more generally considered inappropriate behavior. The Office of Student Rights and Responsibilities reviews and sanctions these matters. If a student violates both the academic integrity provision and additional provisions of the Student Code of Conduct, both the college and the Office of Student Rights and Responsibilities will review the matter. Each independently makes determinations concerning violations and appropriate sanctions.

Research

For graduate students and undergraduates involved in research, there can be overlapping areas between Academic Integrity Policy violations, responsible conduct of research and research misconduct. The five areas listed above describe the kinds of Academic Integrity Policy violations and are handled under the ASU Student Academic Integrity Policy by faculty members, colleges and the provost.

If a student is working on a federally funded research project, some of these items may also be considered misconduct in research. Misconduct is defined as:

Fabrication, falsification, plagiarism and other practices that seriously deviate from those that are commonly accepted within the academic community for proposing, conducting or reporting research. Instances of honest error and honest differences in interpretations or judgments of data are not considered misconduct. (From RSP 004: Definitions)

At ASU, the Office of the Associate Vice President of Research handles misconduct in research. A student who violates both ASU's Misconduct in Research Policy and Student Academic Integrity Policy will be reviewed by both the college and the Office of Knowledge Enterprise Development. Each independently makes determinations concerning violations and appropriate sanctions.

In addition, some actions might be considered violations of the norms of responsible conduct of research, but not Academic Integrity Policy violations or misconduct in research. Many of these incidents fall into the general category of "collaborator disputes." For example, if a doctoral graduate of ASU continued a line of research begun at ASU in a new lab external to ASU, and the ASU mentor objected, generally speaking the matter would be addressed as a collaborator dispute, rather than as an Academic Integrity Policy violation or misconduct in research. Many conflicts over appropriate authorship credit on publications also fall into this area.

Source URL: <https://provost.asu.edu/academicintegrity/defined>

Student Obligations to Academic Integrity

Each student must act with honesty and integrity, and must respect the rights of others in carrying out all academic assignments. A student may be found to have engaged in academic dishonesty if, in connection with any Academic Evaluation or academic or research assignment (including a paid research position), he or she:

- Engages in any form of academic deceit;
- Refers to materials or sources or uses devices (e.g., computer disks, audio recorders, camera phones, text messages, crib sheets, calculators, solution manuals, materials from previous classes, or commercial research services) not authorized by the instructor for use during the Academic Evaluation or assignment;
- Possesses, reviews, buys, sells, obtains, or uses, without appropriate authorization, any materials intended to be used for an Academic Evaluation or assignment in advance of its administration;
- Acts as a substitute for another person in any Academic Evaluation or assignment;
- Uses a substitute in any Academic Evaluation or assignment;
- Depends on the aid of others, including other students or tutors, in connection with any Academic Evaluation or assignment to the extent that the work is not representative of the student's abilities;
- Provides inappropriate aid to another person in connection with any Academic Evaluation or assignment, including the unauthorized use of camera phones, text messages, photocopies, notes or other means to copy or photograph materials used or intended for Academic Evaluation;
- Engages in Plagiarism;
- Uses materials from the Internet or any other source without full and appropriate attribution;
- Permits his or her work to be submitted by another person in connection with any Academic Evaluation or assignment, without authorization;
- Claims credit for or submits work done by another;
- Signs an attendance sheet for another student, allows another student to sign on the student's behalf, or otherwise participates in gaining credit for attendance for oneself or another without actually attending;
- Falsifying or misrepresenting hours or activities in relationship to an internship, externship, field experience, clinical activity or similar activity; or
- Attempts to influence or change any Academic Evaluation, assignment or academic record for reasons having no relevance to academic achievement.

Source URL: <https://provost.asu.edu/academicintegrity/policy/StudentObligations>

Allegations of Academic Dishonesty

This policy is not intended to address differences of opinion over grades issued by an instructor exercising good faith and professional judgment regarding a student's work. Before any action is taken under this Policy that may result in the withdrawal, suspension or expulsion of an international student, both the student and the academic program are advised to consult with the ASU International Student Office.

These procedures are designed to encourage a fair and appropriate response to allegations of academic dishonesty. They may be modified in individual cases, so long as the student is provided an opportunity to respond to allegations of academic dishonesty within a reasonable time after those allegations have been made. An Advisor may accompany the student at any point in the process. The Advisor will not be permitted to participate directly or speak for the student, but may be present during meetings and hearings.

- **Complaint.**

Anyone with a good faith basis for believing that a student has violated this policy may report the alleged violation to the responsible instructor, chair, dean, director or designee. The person who pursues the allegation is called the "Initiator" in this policy. If for any reason, an Initiator is unable or unwilling to continue in that role, another university representative may continue as Initiator.

An individual who has received an allegation may decide not to initiate a complaint. This decision will not prevent another person from becoming the Initiator.

- **Response to Complaint.**

An instructor who believes that a student has violated this policy in a class for which the instructor is responsible may assign any of the following sanctions:

a reduced grade for an assignment, or

a reduced grade for the course.

- If the instructor wants to recommend another sanction set forth in Section IV, including an XE grade, the instructor must forward that recommendation for review by the College/School Board and approval by the Dean, Director or designee. The student and the instructor will be provided an opportunity to provide information to the College/School Board as part of its review.
- At any time, the student and the Initiator may propose a resolution, but the Dean, Director, or designee, may choose to pursue the case on behalf of the University.
- Information regarding the allegation or resolution may be provided to appropriate university representatives.
- If the Initiator and the student are unable to agree on resolution, then the student, the Initiator, or a representative of the Dean or Director may submit the matter to the Dean, Director or designee of the College/School in which the alleged academic dishonesty occurred for review by the College/School Board.
- After a formal request for review has been filed, the Student may remain in class or in the program until the appeal has been resolved. The student will not be given a refund, however, if the student is not successful in the appeal and the decision is made to remove the student from the class, program or university.
- If the matter is not submitted by the student to the Dean, Director or designee for review within 10 days following the time the student is accused of academic dishonesty, the decision or recommendation of the instructor becomes final. If the instructor has submitted a request for an XE or any other sanction to the Dean, Director or designee, and the student has not requested review within 10 days of receiving notice of this request, the Dean, Director, or designee may enter a decision on the request. Only if the decision includes suspension or expulsion from the university will the student be able to request further review.

Source URL: <https://provost.asu.edu/academicintegrity/policy/AllegationsofAcademicDishonesty>

Review by College/School Board

- Within 10 days after the Student receives a reduced or "XE" grade, or other notice of the alleged academic dishonesty, the Student may submit a written statement to the Dean requesting review of the allegation, the sanction or the proposed sanction by the College/School Board. For the purpose of calculating the time for submitting a matter for review, the 10 day period is counted to include only days that fall within the regular fall or spring semester and do not include the summer sessions or intersession. The Dean may appoint an ad hoc board to conduct the review or may use a standing board. The review will take place during the regular fall or spring semester, unless the parties agree otherwise.
- These procedures should guide the review process, but may be altered by the Chair of the College/School Board in consultation with the Office of General Counsel.
- The Student statement should describe the alleged academic dishonesty, including a factual narrative of events and the dates and times of occurrences and any sanction or proposed sanction. The statement should also include the names of persons having information about relevant circumstances or events, the general nature and description of all evidence, and should be signed by the Student.
- If the Student submits a request for review at the end of a semester, or during the last semester of enrollment, the course grade may be withheld for a reasonable period of time (normally not to exceed six months) until the matter is decided. In situations involving the student's last semester before graduation, the degree may be withheld pending the outcome of the hearing. If a grade or degree will be withheld for any period, the Initiator, Dean, Director, or designee must notify the Registrar's Office.

- The Dean, Director or designee will forward the student's statement to the Chair of the College/School Board.
- If the alleged cheating involves the work of multiple students, the College/School Board may modify these procedures to address the circumstances. The College/School Board should provide prior written notice to all interested parties of any modification of the procedures. A student who has not submitted a request for a review should not expect to benefit from a review requested by another student.

- Hearing Proceedings

The Chair of the College/School Board will send a copy of the statement to the Initiator, together with a copy of this Policy or with instructions on accessing the policy electronically.

The letter to the student, a copy of which shall also be sent to the Initiator and the department chair, will include the following information:

Statement of time and place when a hearing on the charges will be held by the College/School Board;
Requirement that the parties to provide each other and the College/School Board a written list of witnesses and a description of any documents or other evidence they intend to use at the hearing. Unless the Chair provides otherwise, this information must be exchanged at least one calendar week before the hearing.

Prior to the hearing, the College/School Board will also advise the parties in writing of any additional time limitations or procedural requirements.

The Initiator shall have the burden of showing that it is more likely than not that the student engaged in academic dishonesty.

Issues shall be resolved fairly and as promptly as possible under the circumstances.

The hearing will be closed to the public. The student and the Initiator may remain in the hearing throughout the presentation of all evidence and testimony, although the College/School Board Chair may remove either party, any Advisor, or any witness if that person's conduct is disruptive.

The student and the instructor may each have an Advisor present but the Advisors shall not be permitted to address the College/School Board directly, except as the College/School Board Chair deems necessary or appropriate.

The College/School Board Chair has the final authority to resolve procedural disputes that arise. Although formal rules of evidence do not apply to the hearing process, the College/School Board Chair may limit the presentation of irrelevant or cumulative evidence, the number of witnesses and the length of each parties presentation.

The proceedings may be recorded, as determined by the College/School Board Chair.

When necessitated by fairness or extraordinary circumstances, the College/School Board may permit the parties to make arrangements for recorded, written, or telephonic testimony for use in the proceeding.

The hearing procedure will be as follows, unless the College/School Board Chair provides notice to the parties of alternative or supplemental procedures.

The College/School Board Chair will introduce the persons present at the hearing and remind all participants of the requirement that all information received in the hearing must be maintained in confidence.

The College/School Board Chair will read allegation of academic dishonesty.

The College/School Board Chair will make any necessary decisions or clarifications regarding procedure.

Testimony and Evidence Presented by the Initiator.

The Initiator shall offer evidence in support of the allegation.

The Initiator may call witnesses and present evidence.

The student may ask questions of the Initiator or any of the Initiator's witnesses, following each person's presentation.

College/School Board members may ask questions of the Initiator, the student or any of the Initiator's witnesses.

Testimony and Evidence Presented by the Student.

The student shall offer evidence in defense of the allegation.

The student may call witnesses and present evidence.

The Initiator may ask questions of the student or any of the student's witnesses, following each person's presentation.

College/School Board members may ask questions of the student, the Initiator, or any of the student's witnesses.

The College/School Board shall deliberate in private until a majority recommendation is reached and recorded.

If the recommendation is not unanimous, dissenting opinions should be reflected in the recommendation submitted to the Dean or Director.

The College/School Board will prepare a written recommendation to the Dean or Director. The recommendation will include the Board's determination as to whether it is more likely than not that the student violated this policy. The decision should also include the College/School Board's findings with respect to the material facts.

If the Board finds a violation, the recommendation should recommend sanctions. The Board may consider prior violations or informal resolutions of previous allegations in its deliberations. The College/School Board will submit its recommendation to the Dean or Director. The Dean or Director may dismiss the allegation, may concur with or modify the recommendation or may request further proceedings, but may not make new findings adverse to the student or increase the severity of a sanction, unless the student has previously violated this policy. After any additional proceedings and within a reasonable time, the Dean or Director will issue a decision. The Dean will provide written notice of the decision to the student, the Initiator, the instructor (if the instructor is not the Initiator), the College/School Board and the department chair (or administrative equivalent). If the decision imposes a sanction of suspension or expulsion from the university, or revocation of a degree, the notice letter from the Dean or Director will state that the student may appeal the decision by filing a written request for review with the Provost of the campus at which the alleged violation occurred within 10 days of the date of the notice letter. If the student does not submit a written request for review within 10 days, the decision of the Dean or Director becomes final. Once the student has provided written notice of an appeal of a sanction, the sanction will not be imposed until the appeal has been resolved with the exception that the university may withhold posting of a grade or completion of graduation until the matter has been resolved.

Source URL: <https://provost.asu.edu/academicintegrity/policy/CollegeReview>

Sanctions

- Sanctions that may be imposed by an Instructor.
 - a. Subject to the procedures set forth in section III, an instructor, academic supervisor, or committee responsible for evaluation may impose any of the following sanctions for academic dishonesty:
Reduced or failing grade for assignment,
Reduced or failing grade for course, or
Reduced, failing grade, or no credit for other academic evaluation (e.g., clinical training, comprehensive exam, thesis, dissertation).
Within 10 days after an instructor-imposed sanction is assigned, the student may appeal the sanction to the Dean or Director.
- Sanctions that may be recommended by an instructor. An instructor, academic supervisor, or committee responsible for academic evaluation may recommend other or additional sanctions to the Dean or Director, including assignment of the grade of XE and withdrawal of credit for a previously accepted course or requirement, if the sanctions are otherwise provided in this policy or in the Student Code of Conduct and Disciplinary Procedures.
- Sanctions that may be imposed by a Dean or Director.
 - After reviewing the recommendation of the School/College Board, a Dean or Director may impose any of the following sanctions for academic dishonesty:
Reduced or failing grade for assignment,
Reduced or failing grade for course,
Reduced or failing grade for other academic evaluation (e.g., clinical training, comprehensive exam, thesis, dissertation),
Assignment of a grade of "XE";
Withdrawal of credit for a previously accepted course or requirement;
Removal from the School or College or from a major or program of study within the School or College, permanently or for a specified period of time.
The decision of the Dean or Director to impose any of the above sanctions is final.
- In addition to the above sanctions, a Dean or Director may recommend to the Provost any of the following sanctions:
Revocation of a degree (the student's official and unofficial transcript may reflect that revocation was the result of academic dishonesty);
Expulsion from the University without expectation of readmission (the student's official and unofficial transcript may reflect that expulsion was the result of academic dishonesty);
Suspension from the University for a specific period of time (the student's official and unofficial transcript may reflect that suspension was the result of academic dishonesty);
Other sanctions as consistent with this policy and the Student Code of Conduct.
- Final Sanctions
The student will receive written notice of the decision and recommendations of the Dean or Director.

If the sanctions do not include suspension from the university, expulsion from the university or revocation of the degree, the recommendations of the Dean or Director will be final.

If the sanctions include suspension from the university, expulsion from the university or revocation of the degree, but the student does not object in writing to the recommendations of the Dean or Director within 10 days, the recommendations of the Dean will be final.

If the sanctions include suspension from the university, expulsion from the university or revocation of the degree, and if the student provides written notice to the Provost of an objection to the recommendations of the Dean within 10 days, the Provost will convene a University Hearing Board to review the recommendations.

- Mitigating and aggravating circumstances may be considered in determining the appropriate sanction for a violation of this policy.

Guidelines for Review

- A student may seek to have a Dean's or Director's decision reviewed by the University Hearing Board only if the final decision imposes a sanction of suspension or expulsion from the university, revocation of admission or revocation of a degree.
- The request for review must be in writing and must be filed with the Provost within 10 days of the date of the decision letter from the Dean.
- The University Hearing Board shall follow the procedures set forth in the ABOR Student Disciplinary Procedures, except that the Provost, or designee will take the role of the Vice President for Student Affairs and will establish the University Hearing Board to conduct the appeal, and the College may take the role of the Dean of Students in presenting the case on behalf of the College/Initiator. The Provost may make other alternations to the procedures, with notice to the individuals involved.
- The University Hearing Board will make a recommendation to the Provost.
- The decision of the Provost is final.

Procedures Following Final Decision

If any student work affected by the finding of academic dishonesty has been placed in the library or forwarded to a third party in partial fulfillment of degree requirements that work may be removed from the library or withdrawn from the third party. If a degree has been awarded, it may be revoked if requirements were not adequately fulfilled due to academic dishonesty.

Other University Policies

The University's Misconduct In Research Policy is independent of the Student Academic Integrity Policy and the Guidelines for Graduate Appeals. Individual conduct may, for example, violate both the Student Academic Integrity Policy and the Misconduct in Research Policy and be subject to review and sanctions under both policies.

Source URL: <https://provost.asu.edu/academicintegrity/policy/Sanctions>

Definitions

Academic Evaluation: Means any academic project, paper, performance, quiz, exam, comprehensive exam, candidacy exam, thesis, dissertation, clinical or internship experience or other evaluation assigned or offered for credit (including extra or optional credit), intended to fulfill an academic requirement, or considered by the university to provide academic or research experience (such as a paid research position).

College/School Board: Means each College, School or Program hearing or standards board appointed by the academic Dean, Director or administrative equivalent to review allegations of academic dishonesty.

Dean: Means the person holding the position of college Dean, Director, or the administrative equivalent, or that person's designee. (This does not include a "Program Director" or "School Director" if the academic unit reports to a college level dean or director.)

Plagiarism: Means using another's words, ideas, materials or work without properly acknowledging and documenting the source. Students are responsible for knowing the rules governing the use of another's work or materials and for acknowledging and documenting the source appropriately.

Provost: Means the Provost or another person designated by the senior academic officer of the campus at which the alleged academic dishonesty occurred.

University: Means ASU Tempe, ASU Polytechnic, ASU West, ASU Downtown Phoenix, ASU Online, and all other locations used for instruction or academic activities.

University Board: Means the University Academic Integrity Hearing Board constituted by the Provost at the campus at which the alleged academic dishonesty occurred.

Advisor: Means an individual selected by the student to assist him/her during a hearing conducted by the University Academic Integrity Hearing Board. The advisor may be a faculty or staff member, student, or other representative of the student.

Day: Means normal university business day, not including Saturday, Sunday or any officially recognized university employee holiday or any day on which the university is closed.

Source URL: <https://provost.asu.edu/academicintegrity/policy/Definitions>

The Grade of "XE"

- The "XE" grade denotes failure through academic dishonesty. The "XE" grade will be recorded on the student's official and unofficial transcript with the notation "failure due to academic dishonesty." The "XE" grade shall be treated in the same way as an "E" for the purposes of grade point average and determination of academic standing.
- No student with an "XE" grade on his or her transcript shall be permitted to represent that University in any extracurricular activity or to run for or hold office in any recognized student organization.
- Generally, the "XE" grade will remain on the transcript permanently if it was awarded for an act of academic dishonesty requiring significant premeditation. For other cases, after at least 12 months have elapsed since the "XE" grade was imposed, a student may file a written petition to the Dean or Director of the College or Program that imposed the "XE" to have the "XE" grade removed and permanently replaced with the grade of "E." The decision to remove the "XE" grade and replace it with an "E" is in the sole discretion and judgment of the Dean or Director or his or her designee.
- The Dean or Director or designee may confer with other university officials and may require the student to attest that the student has not been involved in any other act of academic dishonesty or similar disciplinary offense at Arizona State University or another institution. If the student's representation is later discovered to be false, the "XE" grade may be reinstated.

Source URL: <https://provost.asu.edu/academicintegrity/policy/TheGradeOfXE>

Impact

Following the Academic Integrity Policy and Avoiding Violations

Academic integrity is a fundamental value because violations of it cause real harm to real people. Protecting the ASU community from this harm is everyone's responsibility.

- Students who suspect a policy violation are encouraged to discuss their concerns with their course instructor or academic advisor.
- Faculty, T.A.'s, and instructors are expected to address all violations of the ASU Academic Integrity Policy. Please become familiar with the university policy and the process for addressing violations of the policy within your college/school.

Harm to Student

- If students cheat in a course or another academic exercise, they are taking away from themselves the opportunity to learn.

- The faculty holds the highest standards of academic integrity. If a student is caught cheating, the sanction can be anything from a lowered grade on an assignment to expulsion from ASU.
- ASU has a grade of "XE" which can become part of a transcript and permanent academic records and explicitly means that the student failed a course because of academic dishonesty. Here's the Student Academic Integrity Policy's explanation of the "XE":

The "XE" grade denotes failure through academic dishonesty. The "XE" grade will be recorded on the student's official and unofficial transcript with the notation "failure due to academic dishonesty." The "XE" grade shall be treated in the same way as an "E" for the purposes of grade point average and determination of academic standing.

No student with an "XE" grade on his or her transcript shall be permitted to represent the University in any extracurricular activity or to run for or hold office in any recognized student organization.

Generally, the "XE" grade will remain on the transcript permanently.

- ASU degrees could mean less. If ASU develops a reputation for academic dishonesty based on high levels of student cheating, students' future employers, colleagues and others could have less respect for their accomplishments at ASU.
- Cheating creates an unfair grading environment for others. Whether or not a course is graded on a curve, a student who cheats, turns in high-quality work and is not caught raises the expectations about work quality for all students.
- Cheating can directly affect innocent students. For example, if a student plagiarizes on a group project, all the students in the group may be sanctioned for an Academic Integrity Policy violation.

Harm to Future Employers, Clients or Patients

- Cheating can hurt the people students will work with in the future. Many students are preparing for careers where they will provide services to others—legal, journalistic, medical, research, etc. If these students fail to learn how to do this work because they cheat at ASU, they have cheated their future employers and clients of a knowledgeable professional.

Harm to ASU

- ASU is an intellectual community focused on teaching, research and the values of the New American University. The creation, transmission, sharing and applying of knowledge are central activities of the community. Cheating violates fundamental values of the university community.

Source URL: <https://provost.asu.edu/academicintegrity/impact>

University Policy for Student Appeal Procedures on Grades

Informal

The steps outlined on this page, beginning with step A, must be followed by any student seeking to appeal a grade. Student grade appeals must be processed in the regular semester immediately following the issuance of the grade in dispute (by commencement for fall or spring), regardless of whether the student is enrolled at the university. It is university policy that students filing grievances and those who are witnesses are protected from retaliation. Students who believe they are victims of retaliation should immediately contact the dean of the college in which the course is offered.

A. The aggrieved student must first undergo the informal procedure of conferring with the instructor, stating the evidence, if any, and reasons for questioning that the grade received was not given in good faith. The instructor is obliged to review the matter, explain the grading procedure used and show how the grade in question was determined. If the instructor is a graduate assistant and this interview does not resolve the difficulty, the student may then go to the faculty member in charge of the course (regular faculty member or director of the course sequence) with the problem.

B. If the grading dispute is not resolved in step A, the student may appeal to the department chair or other appropriate chair of the area within the department (if any). The department chair may confer with the instructor to handle the problem. Step B applies only in departmentalized colleges.

C. If these discussions are not adequate to settle the matter to the complainant's satisfaction, the student may then confer with the dean of the college concerned (or the dean-designate), who will review the case. If unresolved, the dean or designate may refer the case to the college academic grievance hearing committee to review the case formally. In most instances, however, the grievance procedure does not go beyond this level.

Formal

The following procedure takes place after steps A, B and C (or A and C) have been completed.

D. Each college has on file in the office of the dean (and in each department of the college) the procedures and composition of the undergraduate or graduate academic grievance hearing committee for student grievances. Each college committee shall operate under grievance procedures as stated, which satisfy due process requirements. The committee shall always meet with the student and the instructor in an attempt to resolve the differences. At the conclusion of the hearing, the committee shall send its recommendations to the dean.

E. Final action in each case will be taken by the dean after full consideration of the committee's recommendation. Grade changes, if any are recommended, may be made by the dean. The dean shall inform the student, instructor, department chair (if any), registrar and grievance committee of any action taken.

Source URL: <http://catalog.asu.edu/appeal>

University Undergraduate General Studies Requirement

A baccalaureate education should not only prepare students for a particular profession or advanced study, but for constructive and satisfying personal, social and civic lives as well. In addition to depth of knowledge in a particular academic or professional discipline, students should also be broadly educated and develop the general intellectual skills they need to continue learning throughout their lives. Thus, the General Studies requirement complements the undergraduate major by helping students gain mastery of critical learning skills, investigate the traditional branches of knowledge and develop the broad perspective that frees one to appreciate diversity and change across time, culture and national boundaries.

Critical learning skills include proficiency in the use of language, mathematics and quantitative methods as tools for acquiring, renewing, creating and communicating knowledge. A broad education includes an understanding of the methods and concerns of traditional branches of knowledge — the arts and humanities, the social sciences and the natural sciences. Developing perspective requires historical, global and cross-cultural examination of knowledge of all kinds.

The General Studies requirement is composed of courses in five core areas and three awareness areas. The courses are approved by the General Studies council and are noted in the Course Catalog [1] for each academic term. General Studies courses are regularly reviewed and are occasionally added to and deleted from the list. Students should always consult the Course Catalog [1] each semester to see which courses currently meet the General Studies requirement.

A student receives the General Studies credit that a course carries during the semester in which the course is taken.

Five Core Areas

L: Literacy and Critical Inquiry (Six Credit Hours)

Literacy is competence in written and oral discourse. Critical inquiry is the gathering, interpretation and evaluation of evidence. The literacy and critical inquiry requirement helps students sustain and extend their ability to reason critically and communicate clearly through language.

Students must complete six credit hours from courses designated as L, at least three credit hours of which must be chosen from approved upper-division courses, preferably in their major. Students must have completed ENG 101, 105, or 107 to take an L course.

MA and CS: Mathematical Studies (Combined Six Credit Hours)

This core area has two categories. Mathematics (MA) is the acquisition of essential skills in basic mathematics and requires the student to complete a course in college mathematics or precalculus or to demonstrate a higher level of skill by completing a course for which college algebra is a prerequisite. Computer/statistics/quantitative applications (CS) applies mathematical reasoning and requires students to complete a course in either the use of statistics/quantitative analysis or the use of the computer to assist in serious analytical math work.

This requirement has two parts: 1) At least three credit hours must be selected from courses designated MA, and at least three credit hours must be selected from courses designated CS, and 2) all students are expected to fulfill the MA requirement by the time they accumulate 30 hours of credit in residence at ASU. Any student who has more than 30 hours of resident ASU credit and has not fulfilled the mathematics (MA) requirement must enroll in an MA course or an appropriate prerequisite and continue to do so every semester until the mathematics requirement is met. College officers may grant waivers to the immediate and continual enrollment requirement only when there are scheduling conflicts detrimental to the student's academic progress.

HU: Humanities, Fine Arts and Design and SB: Social and Behavioral Sciences (Combined 15 Credit Hours)

The study of the humanities and the disciplines of art and design deepen awareness of the complexities of the human condition and its diverse histories and cultures. Courses in the humanities are devoted to the productions of human thought and imagination, particularly in philosophical, historical, religious, and artistic traditions. Courses with an emphasis in fine arts and design are devoted to the study of aesthetic experiences and the processes of artistic creation. They may also feature a design emphasis in which material culture is studied as a product of human thought and imagination.

The social and behavioral sciences provide scientific methods of inquiry and empirical knowledge about human behavior, within society and individually. The forms of study may be cultural, economic, geographic, historical, linguistic, political, psychological or social. The courses in this area address the challenge of understanding the diverse natures of individuals and cultural groups who live together in a world of diminishing economic, linguistic, military, political and social distance.

A total of 15 credit hours must be completed in the following two core areas: 1) humanities, fine arts and design (HU), and 2) social and behavioral sciences (SB). Two conditions must be satisfied: 1) Six credit hours must be taken in one of these two core areas and nine hours in the other core area, and 2) three of the 15 credit hours must be at the upper-division level.

SQ and SG: Natural Sciences (Combined Eight Credit Hours)

The natural sciences help students appreciate the scope and limitations of science and its contributions to society. Natural science areas of study include anthropology, astronomy, biology, biochemistry, chemistry, experimental psychology, geology, microbiology, physical geography, physics and plant biology. Knowledge of methods of the scientific inquiry and mastery of basic scientific principles and concepts are stressed, specifically those that relate to matter and energy in living and nonliving systems. First-hand exposure to scientific phenomena in the laboratory is important in developing and understanding the concepts, principles and vocabulary of science.

General Studies courses that satisfy the natural science requirement are given one of two classifications: quantitative (SQ) and general (SG).

- Natural Science—Quantitative (SQ): These laboratory courses include a substantial introduction to the fundamental behavior of matter and energy in physical and biological systems.
- Natural Science—General (SG): These laboratory courses cover aspects of scientific inquiry that lend themselves to more qualitative or descriptive discussions of science.

Eight credit hours of courses designated SQ or SG must be selected. Of these, at least four credit hours must be taken from the SQ category.

Three Awareness Areas

Students must complete courses that satisfy three awareness areas. Courses that are listed for a core area and one or more awareness areas may satisfy requirements concurrently, up to a maximum of two of the awareness areas listed for that course. These awareness areas promote appreciation of cultural diversity within the contemporary U.S., the development of an international perspective and an understanding of current human events through study of the past.

1. Cultural Diversity in the United States (C)

The objective of the cultural diversity (C) requirement is to promote awareness and appreciation of cultural diversity within the contemporary U.S. This is accomplished through the study of the cultural, social or scientific contributions of women and minority groups, examination of their experiences in the U.S., or exploration of successful or unsuccessful interactions between and among cultural groups. Awareness of cultural diversity and its multiple sources can illuminate the collective past, present and future and also help students to achieve greater mutual understanding and respect.

2. Global Awareness (G)

The objective of the global awareness (G) requirement is to help students recognize the need for an understanding of the values, elements and social processes of cultures other than those of the U.S. The global awareness area includes courses that recognize other contemporary cultures and the relationship of the American cultural system to generic human goals and welfare.

3. Historical Awareness (H)

The objective of the historical awareness (H) requirement is to help students develop knowledge of the past that can be useful in shaping the present and future. History is present in languages, art, music, literature, philosophy, religion and the natural sciences, as well as in the social science traditionally called history.

Meeting the General Studies Requirement

All students enrolled in a baccalaureate degree program must successfully complete a minimum of 35 credit hours of approved General Studies courses. Many General Studies courses are approved as satisfying more than one requirement. The following conditions govern the application of courses toward the General Studies requirement:

- A single course may be used to satisfy one core area and a maximum of two awareness area requirements.
- A single course may be used to satisfy a maximum of two awareness area requirements.
- A single course cannot be used to satisfy two core area requirements, even if it is approved for more than one core area.

There is no limit to the number of advanced placement (AP) or College-Level Examination Program (CLEP) credits that can be used to meet the General Studies requirement; see Credit by Examination [2]. However, the natural sciences (SQ and SG) and literacy and critical inquiry (L) portions of the General Studies requirement are not satisfied by CLEP.

Transfer Credit

The Arizona General Education Curriculum (AGEC), offered by Arizona community colleges, is composed of 35 credit hours of lower-division general education course work. Students who complete the AGEC have fulfilled the ASU First-year Composition requirement and all lower-division portions of the General Studies requirement. Students must still take six upper-division credit hours (three for L and three for SB or HU) to complete the ASU General Studies requirement. If students transfer from Arizona community colleges without completing the AGEC or from other accredited postsecondary institutions, they receive credit for General Studies based on course-by-course equivalency. See Arizona General Education Curriculum [3].

College or School and Major Requirements

In addition to the General Studies requirement, students must also complete college or school and major requirements. Students are encouraged to work with their academic advisors to develop a program of study that efficiently meets all graduation requirements. A well-planned program should enable a student to concurrently satisfy requirements at the university, college or school levels and within their major.

Source URL: https://catalog.asu.edu/ug_gsr

Links: [1] <https://webapp.asu.edu/catalog/> [2] http://catalog.asu.edu/credit_exam#CLEP [3] <http://catalog.asu.edu/agec>

University Undergraduate Graduation Requirements

All students enrolled in a baccalaureate degree program must fulfill the following university requirements to graduate.

Credit Requirements

A minimum of 120 credit hours is required for graduation with a baccalaureate degree. A minimum of 45 credit hours in upper-division courses is required for graduation. Some programs may require more than 120 credit hours and 45 upper-division credit hours for graduation; check the program's major map for graduation requirements.

No more than 60 credit hours earned in independent learning courses or earned by comprehensive examination (including advanced placement, College-Level Examination Program, DANTEs Subject Standardized Test and International Baccalaureate Diploma/Certificate exams) are accepted for credit toward the baccalaureate degree.

Grade Point Requirement

A minimum cumulative grade point average of 2.00 for all courses taken at ASU is required to graduate with a baccalaureate degree. Some programs may require more than a 2.00; refer to the specific program's major map for graduation requirements.

General Studies Requirement

All students enrolled in a baccalaureate degree program must satisfy a university requirement of a minimum of 35 credit hours of approved course work. See General Studies. [1]

Students transferring from Arizona community colleges with a certified completion of the appropriate Arizona General Education Curriculum (AGEC) will have satisfied all lower-division General Studies requirements of the baccalaureate degree with which the AGEC articulates. For more details regarding the different versions of AGEC, refer to <http://aztransfer.com/> [2].

Mathematics Requirement

All undergraduate degree-seeking students are expected to fulfill the university's mathematics requirement by the time they have accumulated 30 hours of credit in residence at ASU. Any student who has more than 30 hours of credit and has not fulfilled the mathematics requirement must enroll in a mathematics course or an appropriate prerequisite course and continue to do so every semester until the mathematics requirement is met. A waiver may be granted for continuous enrollment if there are scheduling conflicts detrimental to the student's academic progress.

First-Year Composition Requirement

Completion of both ENG 101 and 102 or ENG 105 with a grade of "C" (2.00) or higher is required for graduation from ASU in any baccalaureate program. An international student whose native language is not English may meet the first-year composition requirement by completing ENG 107 and 108 with a grade of "C" (2.00) or higher. Students who are required to take first-year composition must enroll in their first required composition course within the first year and continue to enroll in required composition courses every term until composition requirements are met.

New and Transfer Students

Composition courses transferred from non-Arizona public or out-of-state institutions may require evaluation and approval by the Writing Programs Office. After consultation with an advisor, if evaluation is necessary, the student should provide a copy of the transfer transcript and catalog description of the courses to the Writing Programs Office in LL 314 (480-965-3853) on the Tempe campus or the Writing Programs Office in FABN 201A (602-543-6091) on the West campus. Students should complete the process upon transfer of course work to ASU so the student is able to enroll in additional courses if required to do so. Students who are required to take first-year composition must enroll in their first required composition course within the first year and continue to enroll in required composition courses every term until composition requirements are met.

Resident Credit Requirement

Resident credit refers to a course that is offered in a regular semester, winter session (prior to 2011-2012), intersession or summer session. Credit earned through comprehensive examinations is also included when calculating ASU resident hours. Credit earned through independent learning, advanced placement, the College-Level Examination Program or an International Baccalaureate Diploma/Certificate are excluded when calculating ASU resident hours.

Every candidate for the baccalaureate degree is required to earn a minimum of 30 credit hours in resident-credit courses at ASU.

Guidelines for Determination of Catalog Year

The catalog is published annually. Department, school, division, college and university requirements may change and are upgraded often. In determining graduation requirements, an undergraduate student may use only one edition of the catalog but may elect to follow any later catalog edition. Students may not use an edition of the catalog that was in effect before their high school graduation or completion of GED. Students maintaining continuous enrollment at any Arizona community college or public university may graduate according to the requirements of the catalog in effect at the time of initial enrollment following high school graduation or completion of a GED or according to the requirements of any single catalog in effect during subsequent terms of continuous enrollment. Students may maintain continuous enrollment, whether attending a single Arizona community college or public university or transferring among public institutions in Arizona, while pursuing their degrees. Students transferring among Arizona public higher education institutions must meet the admission, residency and all curricular and academic requirements of the degree-granting institution.

- A semester in which a student earns course credit is counted toward continuous enrollment. Noncredit courses, audited courses, failed courses or courses from which the student withdraws do not count toward the determination of continuous enrollment for catalog purposes. See examples A and B in the Continuous Enrollment table below.
- Students who do not meet the minimum enrollment standard stipulated above during three consecutive semesters (fall/spring/fall or spring/fall/spring) and the intervening summer term at any Arizona community college or public university are no longer considered continuously enrolled. (Note that students are not obligated to enroll and earn course credit during summer terms, but summer enrollment may be used to maintain continuous enrollment status.) These students must meet requirements of the Arizona community college or public university catalog in effect at the time they are readmitted or of any single catalog in effect during subsequent terms of continuous enrollment after readmission. See examples C and D in the Continuous Enrollment table below.
- Students admitted or readmitted to an Arizona community college or public university during a summer term must follow the requirements of the catalog in effect the following fall semester or of any single catalog in effect during subsequent terms of continuous enrollment. See example E in the Continuous Enrollment table below.
- In areas of study in which the subject matter changes rapidly, material in courses taken long before graduation may become obsolete or irrelevant.
- Course work that is more than eight years old is applicable to completion of degree requirements at the discretion of the student's major department. Departments may accept such course work, reject it or request that the student revalidate its substance. The eight-year limit on course work applies except when program accreditation agencies limit the life of course work to fewer than eight years. Departments may also require students to satisfy current major requirements rather than major requirements in earlier catalogs when completing earlier requirements is no longer possible or educationally sound.
- Enrollment by Arizona community college students in nontransferable courses still constitutes enrollment for purposes of determining whether the student has been continuously enrolled. For example, if a student takes two semesters of cooperative education classes that are not transferable to the university but constitute continuous enrollment at the community college, the university should consider it continuous enrollment.

- Exceptions made by an institution apply only to the institution that made the exception. For example, if the community college departments accepted credit that was more than eight years old, the university department to which the student transfers might not; it has the right and the obligation to reevaluate any credit more than eight years old. Inquiries about these guidelines may be directed to the student's academic advisor.

Continuous Enrollment

Student's Activity	Semester/Year	Status
Example A		
Admitted and earned course credit at an Arizona community college	Fall 2001	Active
Continued at an Arizona community college	Spring 2002 Fall 2002	Active
Transferred to an Arizona university	Spring 2003	Student enrolled under 2001–2002 or any subsequent catalog
Example B		
Admitted and earned course credit at an Arizona community college	Fall 2003	Active
Enrolled but earned all "W's" or "E's" (0.00)	Spring 2004	Inactive
Enrolled in audit courses only	Fall 2004	Inactive
Nonattendance	Spring 2005	Inactive
Transferred to an Arizona university	Fall 2005	Student enrolled under 2005–2006 or any subsequent catalog
Example C		
Admitted and earned course credit at an Arizona community college	Fall 1999	Active
Nonattendance	Spring 2000 Fall 2000 Spring 2001	Inactive
Readmitted and earned course credit at an Arizona community college	Fall 2001	Active
Transferred to an Arizona university	Spring 2002	Student enrolled under 2001–2002 or any subsequent catalog
Example D		
Admitted and earned course credit at an Arizona community college	Fall 2000	Active
Nonattendance	Spring 2001	Inactive
Readmitted and earned course credit at an Arizona community college	Summer 2001	Active
Nonattendance	Fall 2001 Spring 2002	Inactive
Transferred to an Arizona university	Fall 2002	Student enrolled under 2000–2001 or any subsequent catalog
Example E		
Admitted and earned course credit at an Arizona community college	Summer 2004	Active
Continued at an Arizona community college	Fall 2004 Spring 2005	Active
Nonattendance	Fall 2005	Inactive
Readmitted and earned course credit at an Arizona community college	Spring 2006	Active
Transferred to an Arizona university	Summer 2006	Student enrolled under 2004–2005 or any subsequent catalog
Example F		
Admitted and earned course credit at an Arizona university	Summer 2004	Active
Nonattendance	Fall 2004	Inactive
Nonattendance	Spring 2004	Inactive

Readmitted and earned course credit at an Arizona university	Fall 2005	Active
Continued at an Arizona community college	Spring 2006	Student enrolled under 2004–2005 or any subsequent catalog

Application for Graduation

For information on how to apply for graduation and deadline dates visit: <http://students.asu.edu/graduation> [3].

Petition for Variance from Degree

Any student wishing to have a college or university degree requirement variance must petition the standards committee of the college in which the student is enrolled. All petitions must originate with the student's advisor.

The University Undergraduate Standards Committee advises the Office of the Executive Vice President and Provost of the University regarding undergraduate student petitions that concern university-wide academic requirements. These requirements include but are not limited to requirements on the amount of transfer credit, graduation requirements, limits on credit by examination and requirements for a second baccalaureate degree. To petition for a variance from such university requirements, the University Undergraduate Standards Committee Petition is used. Most petitions heard by the University Undergraduate Standards Committee start at the college level and are forwarded for final review and decision to the university level committee.

Overview of Graduation Requirements

At ASU, students take classes that fulfill four types of requirements. As illustrated in the Graduation Requirements diagram below, some courses can fulfill two or more types of requirements, but other courses fulfill only one requirement. The total credit hours needed to graduate are represented by the largest circle. The university minimum is 120 credit hours. Some majors, however, require more than 120 credit hours.

Although the three shaded circles are equal in size and the white circle is larger than all three, the total number of semester hours for each type of requirement may vary.

University Requirements

The yellow circle represents university requirements. The General Studies requirement and the First-year Composition requirement are among these requirements.

College Requirements

The gray circle represents college requirements. Some colleges and schools have additional requirements, such as the College of Liberal Arts and Sciences.

Major

The red circle represents the requirements of the major. The credit hours required for a major may be as low as 30 hours or as high as 63 hours.

Electives/Minor/Certificate

The white circle represents electives and the requirements of a minor or certificate. A minor typically adds an additional 18 to 25 credit hours of course work. Although every student must eventually declare a major, minor and certificates are not required. Some

courses, while providing credit hours toward graduation, fall outside the shaded circles and are not required in a program for graduation. These courses are electives. Some majors leave no room for electives within the minimum 120 credit hours required to graduate.

Other Requirements

The separate units of ASU — such as colleges, schools and departments — have specific requirements for graduation that must be satisfied for a baccalaureate degree. Students are encouraged to consult with an academic advisor in planning a program to ensure it meets the various requirements. A well-planned program may enable a student to concurrently satisfy a portion of the General Studies requirement together with a portion of a college or major requirement.

Graduation with Academic Recognition

An undergraduate student must have completed at least 56 credit hours of resident credit at ASU to qualify for graduation with academic recognition for a baccalaureate degree. Note: West campus students following a catalog year prior to fall 2007 are required to have completed at least 50 credit hours of resident credit at ASU.

The cumulative GPA determines the designation, as shown in the Academic Recognition table below.

Academic Recognition

Cumulative GPA	Designation
3.40–3.59	cum laude
3.60–3.79	magna cum laude
3.80–4.00	summa cum laude

The cumulative GPA for these designations is based on ASU resident course work only. For example, ASU independent learning course grades are not calculated in the honors GPA. All designations of graduation with academic recognition are indicated on the diploma and the ASU transcript. Graduation with academic recognition applies only to undergraduate degrees.

A student who has a baccalaureate degree from ASU and is pursuing a second baccalaureate degree at ASU (with a minimum of 30 hours of resident credit) is granted academic recognition on the second degree based on the credit hours earned subsequent to the posting of the first degree. If fewer than 56 credit hours are completed at ASU subsequent to completion of the first ASU degree, the level of academic recognition can be no higher than that obtained on the first degree. If 56 or more credit hours are completed at ASU after completion of the first ASU degree, the level of academic recognition is based on the GPA earned for the second ASU degree. Inquiries about graduation with academic recognition may be directed to the Graduation Section (480-965-3256).

Additional Degrees

Second Baccalaureate Degree

The student seeking a second baccalaureate degree must meet admission criteria for that degree. After conferral of the first degree, a minimum of 30 credit hours in resident credit courses at ASU must be successfully completed to earn the second baccalaureate degree. The student must meet all degree and university requirements of the second degree.

Concurrent Degrees

More than one baccalaureate degree may be pursued concurrently if prior approval is given by the standards committees of the colleges offering the degrees. Students may receive concurrent degrees if they meet the minimum requirements for both degrees.

eAdvisor and Critical Requirements

eAdvisor is Arizona State University's electronic advising and enrollment management system, designed for first-time freshmen and transfer students from Arizona public universities and Arizona community colleges. eAdvisor assists students in:

- Learning more about graduation requirements for their major.
- Discerning what critical courses and grades are required to stay on track to successfully complete their degree.
- Planning for and scheduling appropriate courses in the correct sequence to maximize success.
- Monitoring progress toward their degree.
- Finding out how courses may fit into other majors if they decide to change majors.

Through eAdvisor, students follow a major map that outlines the critical requirements and optimal eight-semester plan. If students do not meet the critical requirements, an advising hold may be placed on the students' records and an advising session is required before future registration activities can take place. When students do not meet the critical requirements for two consecutive semesters, they are considered off-track and may be advised to change majors.

Source URL: https://catalog.asu.edu/ug_grad_req

Links: [1] https://catalog.asu.edu/ug_gsr [2] <http://aztransfer.com/> [3] <http://students.asu.edu/graduation>

College Policies

Business, W. P. Carey School of

The W. P. Carey School of Business is one of the largest and highest-ranked business schools in the country, repeatedly lauded by publications like The Wall Street Journal, Financial Times, Princeton Review and U.S. News & World Report. The school is internationally regarded for its leadership in business education, research productivity and distinguished faculty members, including a Nobel Prize winner. Students come from all over the world and include dozens of National Merit Scholars.

Our academic choices are as diverse as they are abundant. Undergraduates can earn a B.S. in one of seven business disciplines or a B.A. that combines core business classes with a concentration outside the W. P. Carey School. Our programs of study reflect and respond to the demands of business and industry today and beyond, and we have dedicated career placement services. We are located in the heart of the fast-growing Phoenix metropolitan area, which provides opportunities for internships, employment and networking. Our classes are offered on ASU's Tempe, Polytechnic, West and Downtown Phoenix campuses. For more information, visit wpcarey.asu.edu [1].

Undergraduate Policies

Academic Integrity

Academic Dishonesty

The faculty of the W. P. Carey School of Business follow the guidelines in the Student Academic Integrity Policy on academic dishonesty. A copy of the policy may be obtained online at <http://provost.asu.edu/academicintegrity> [2].

Academic Standing

Probation

All business students, freshman through senior, must maintain a minimum 2.00 GPA for all courses completed at ASU. If this standard is not maintained, the student is placed on probation. Students on probation must see an advisor before further registration and must either:

Raise their ASU cumulative GPA to 2.00 or higher in order to return to academic good standing, or

Obtain a semester GPA of 2.50 with no grade lower than a "C" to be granted one additional semester on continued probation. At the end of continued probation, the student must return to academic good standing (a minimum cumulative ASU GPA of 2.00) to avoid disqualification.

Disqualification

Students who do not meet probation requirements are academically disqualified. Disqualified students should meet with their academic advisors. These students may attend ASU during the summer session immediately following disqualification only.

Advising

W. P. Carey Undergraduate Programs offers academic advising at the Polytechnic, Tempe and West campuses. Students may find personalized advising information and may schedule appointments in advance at <http://wpcarey.asu.edu/sos/> [3]. Students admitted to the W. P. Carey Leaders Academy or Business Honors program may schedule appointments by visiting BA 111 or calling 480-965-8710.

To ensure students are making progress toward their degrees, we encourage students to schedule appointments each semester. We require advising for:

- Newly admitted students, prior to enrollment for the first term (at orientation).
- Freshman students, each semester in the first year.
- Transfer students, prior to their enrollment.
- Seniors, upon completion of 87 or more credit hours.
- Any student who is on academic probation.
- Any student who is off track in regard to Sun Devil Tracking requirements.

For additional information regarding academic advising, visit <http://wpcarey.asu.edu/advising> [4] or contact the W. P. Carey School of Business Undergraduate Programs Office at 480-965-4227.

Credit/Registration

Pass/Fail

Business majors may not enroll on a pass/fail basis for any course required for graduation. Pass/fail credits taken at another institution may be petitioned for use, but only if the student can demonstrate proof that the pass grade was equivalent to a "C" (2.00) or higher.

Transfer Credit

Credit from other institutions is accepted subject to the following guidelines. Students planning to take their first two years of work at a community college or another four-year college should take only those courses in business and economics that are offered as freshman- or sophomore-level courses at any of the state-supported Arizona universities. These lower-division courses are numbered 100 through 299. A maximum of 30 hours of business and economics courses from community colleges are accepted toward a bachelor's in business.

Students may transfer a maximum of nine credit hours of approved upper-division business course work required for the business degree to ASU. Professional business courses taught in the junior or senior year in the state universities may not be completed at a two-year college for transfer credit in the business core or major. Such courses may be utilized in the free elective category subject to the 30-hour limitation. Courses taught as vocational or career classes at the community colleges that are not taught in the schools of business at any one of the state universities are not accepted for credit toward a bachelor's. Courses taught in the upper-division business core at the state universities must be completed at the degree-granting institution unless transferred from an accredited four-year school. Normally, upper-division transfer credits are accepted only from AACSB International-accredited schools. To be accepted for credit as part of a degree program in business, all courses transferred from other institutions must carry prerequisites similar to those of the courses they are replacing at ASU.

Degree Requirements

Critical Requirements

All business students must meet the critical requirements for their majors. Students who do not comply with the critical requirements are off track and have a hold placed on their records. These students must meet with an advisor to have their hold removed. For more information, visit <https://my.wpcarey.asu.edu/undergrad/advising/tracking.cfm> [5].

Reinstatement/Readmission

Students seeking readmission (after an absence from the university) should contact the undergraduate programs office, in BA 109, regarding policies and procedures.

Other Special Requirements

Student Appeal Procedure on Grades

The faculty of the W. P. Carey School of Business have adopted a policy on the student appeal procedure on grades. A copy of the policy may be obtained in the undergraduate programs office, BA 109.

Admission

Because of the additional requirements for the B.S., students who do not meet minimum admission standards will automatically be considered for the B.A. in the W.P. Carey School of Business. Freshman admission requirements for the B.A. program are the same as the university's freshman admission requirements. Transfer students must have a 3.00 GPA for all transfer course work and a 3.00 GPA for all ASU course work and meet university transfer admission requirements to be placed into the B.A. program.

Graduate Policies

All graduate students in the W. P. Carey School of Business are required to maintain a cumulative GPA of "B" (3.00). See individual graduate degree programs for specific requirements on satisfactory academic progress, probation and disqualification.

Advising

Advising of graduate students is normally handled by graduate faculty members. Once admitted, students can request a temporary faculty advisor in a potential area of concentration in order to prepare a program of study. Students are encouraged to begin discussions with faculty members early in their studies so course work can be geared toward supporting their academic progress. All students, whether in a thesis or nonthesis option, must file a program of study.

Source URL: <https://catalog.asu.edu/policies/business>

Links: [1] <http://wpcarey.asu.edu/> [2] <http://provost.asu.edu/academicintegrity> [3] <http://wpcarey.asu.edu/sos/> [4] <http://wpcarey.asu.edu/advising> [5] <https://my.wpcarey.asu.edu/undergrad/advising/tracking.cfm>

Design and the Arts, Herberger Institute for Undergraduate Policies

Academic Integrity

The faculty of the Herberger Institute for Design and the Arts follow ASU's Student Academic Integrity Policy. Information about the policy and ways to complete your work with integrity can be found at <http://provost.asu.edu/academicintegrity/students> [1].

Academic Standing

Probation

A student in any of the institute's programs is placed on probation when he or she fails to maintain a cumulative GPA of 2.00. Students on probation must observe rules or limitations the institute imposes on their probation as a condition of retention. All Herberger Institute students who are placed on academic probation are required to attend mandatory advising appointments in an effort to help them improve their academic standing. Students are required to complete an academic success contract with their advisor, to discuss campus academic resources, plan out semester goals and discuss strategies to attain academic success. These meetings continue until the student earns a cumulative GPA of 2.00 or higher.

Disqualification

If the overall GPA is not at the required level and the conditions of probation have not been met after one semester on probation, the student is disqualified for a minimum of two full academic semesters. Disqualification is exercised at the discretion of the institute and becomes effective on the first day of the fall or spring semester following institute action. A disqualified student is

notified by the Office of the Registrar or the dean of the institute and is not allowed to register for a fall or spring semester at the university until reinstated. Students whose cumulative GPA is below 2.00 but are still in academic good standing according to university standards are ineligible to continue in any Herberger Institute majors, but may be eligible for majors in other colleges at ASU.

Reinstatement

Students seeking reinstatement after disqualification should contact the Herberger Institute Office of Student Success regarding procedures and guidance for returning to good standing. Disqualified students may attend summer sessions at ASU to raise their cumulative GPA. If a 2.00 or higher cumulative GPA is achieved upon completion of summer course work, the student may petition the institute for early reinstatement. Appeals may be made to the Herberger Institute Curriculum Committee; see an academic advisor for the necessary appeal forms. There are also other options available for immediate reinstatement for qualified students; see an academic advisor to discuss these options. For more information, see Retention and Academic Standards. When reinstatement includes readmission, application must be made to the Recording and Readmissions section of the University Registrar's Office. All academic disciplinary action is a function of the Herberger Institute Office of Student Success, CDS 101, under the direction of the assistant dean for student success for the institute. Students having academic problems should seek advisement by calling this office at 480-965-4495.

Advising

Undergraduate academic advising is handled as a centralized activity within the institute. Students are encouraged to make appointments through the Herberger Institute Office of Student Success. For more information, call 480-965-4495 or visit the office in Design South (CDS), room 101. While the institute provides academic advising, it is ultimately the responsibility of each student to fulfill academic and program requirements. Administration of program requirements is the responsibility of the head of the academic unit and the dean.

Credit/Registration

Transfer Credits

While the university accepts credits transferred from other accredited institutions, transfer course work must be equivalent in content and level of offering. Arts or design transfer credits are not applied to specific degree programs until reviewed and accepted by the appropriate academic units. Students who change majors to transfer into the institute or one of its program areas must have a minimum cumulative GPA of 2.50 (3.00 GPA for architectural studies and landscape architecture majors). A student wishing to enter a major that requires an audition, interview, milestone or portfolio review may be required to successfully complete this requirement before changing their major. Any student transferring to art, dance, music or theatre and film must complete a creative review to enter most majors, and some arts transfer credit will not be evaluated until after successful completion of the creative review. The Design School requires a review of samples of work (portfolio format) from previous studio classes to evaluate transfer studio credits.

Incompletes

Students are responsible for contacting their course instructors regarding the process of requesting and fulfilling requests for incomplete. The grade of "I" (Incomplete) can only be given by an instructor when a student who is doing otherwise acceptable work is unable to complete a course (e.g., final exam or term paper) because of illness or other conditions beyond the student's control. Students must obtain official Request for Grade of Incomplete forms at <http://students.asu.edu/forms/incomplete-grade-request> [2]. A completed form must include a justification, a listing of requirements that have not been fulfilled and a proposed schedule of completion. The instructor reviews the request and determines whether to accept or deny the request. If accepted, the instructor may propose modifications, if necessary, and submit a copy of the request to the appropriate office. An incomplete in any course that is a prerequisite for sequential courses automatically denies enrollment in subsequent courses or could result in the student being administratively dropped from a subsequent course if the student has already enrolled.

Withdrawals

University withdrawal regulations apply to all courses. In addition, because the institute's curricula are modular and sequential and because space in the programs is limited, a student is expected to progress through the curriculum with his or her class.

Pass/Fail or Credit/No Credit

The only courses accepted toward graduation with a grade of pass/fail or credit/no credit are courses designated by the academic unit as such, or internships and field studies.

Degree Requirements

Change of Major

Current ASU students who wish to change majors to one of the institute's degrees must have a cumulative ASU GPA of 2.50 or higher. Students wishing to enter a major that requires an audition, interview, milestone or portfolio review may be required to successfully complete this requirement before changing their major.

For more information about critical requirements, please refer to the corresponding Major Map. Students who have passed the milestone are placed on probation when any of the following occurs:

- Admitted to the milestone with deficiencies in course requirements.
- Received an incomplete, failure or withdrawal from any required course.
- Earned a semester GPA below 3.00.
- Received a grade of "D" (1.00) or "E" (0.00) in a design studio, a design laboratory or a design lecture.
- Violated the university's Student Code of Conduct or any admission agreement.

Students on probation must observe rules or limitations that the institute or academic unit places on their probation as a condition of continuation. Students may be removed from a program (but not necessarily from the university) when any of the following occurs:

- The requirements imposed are not met or the probationary semester GPA is below 3.00 after one semester on probation.
- Failures or withdrawals in required courses are not resolved at the next offering of the course.
- Failures or withdrawals from required sequential courses.
- Incompletes in required sequential courses are not completed before the first day of class of the next semester.

A student removed from a program is not guaranteed reinstatement to the program even if probation requirements or requirements placed on readmission are fulfilled. Appeals may be made first to the appropriate academic unit and, if necessary, to the Herberger Institute Curriculum Committee. For more information, see Retention and Academic Standards.

Reinstatement/Readmission

Appeals Procedures

Academic appeals and requests for variances are typically made to the student's instructor and then, if necessary, to the head of the appropriate academic unit, the assistant dean for student success, the Herberger Institute Curriculum Committee, and, finally, the dean. A student who feels unjustly treated in academic or other matters relating to his or her career as a student should follow the grievance procedure outlined on the institute Web site.

Other Special Requirements

Creative Reviews

A creative review (audition, interview, milestone, portfolio submission) is required for entrance into most majors in the Herberger Institute. See http://herbergerinstitute.asu.edu/students/undergrad/prospective/apply_to_major.php [3] for details.

Graduate Policies

Advising

Advising is handled as a decentralized activity within the institute. To offer personalized attention, each academic unit establishes its own graduate advising procedures. Students are encouraged to make appointments through the central office of their major discipline. Students should consult their academic unit's Web site for general information about the programs, admission and advising procedures:

- School of Art: <http://art.asu.edu/> [4]; phone 480-965-6303.
- School of Arts, Media and Engineering: <http://ame.asu.edu/> [5]; phone 480-965-9438.
- School of Dance: <http://dance.asu.edu/> [6]; phone 480-965-5029.
- The Design School: <http://herbergerinstitute.asu.edu/degrees/design.php> [7] phone 480-965-3536.
- School of Music: <http://music.asu.edu/> [8]; phone 480-965-5069.
- School of Theatre and Film: <http://theatrefilm.asu.edu/> [9]; phone 480-965-5337.

Source URL: https://catalog.asu.edu/policies/design_and_arts

Links: [1] <http://provost.asu.edu/academicintegrity/students> [2] <http://students.asu.edu/forms/incomplete-grade-request> [3] http://herbergerinstitute.asu.edu/students/undergrad/prospective/apply_to_major.php [4] <http://art.asu.edu/> [5] <http://ame.asu.edu/> [6] <http://dance.asu.edu/> [7] <http://herbergerinstitute.asu.edu/degrees/design.php> [8] <http://music.asu.edu/> [9] <http://theatrefilm.asu.edu/>

Engineering, Ira A. Fulton Schools of Policies

The Ira A. Fulton Schools of Engineering educate undergraduate and graduate engineering students, giving them the knowledge, skills and attitudes they need for success in technically oriented careers. The schools provide students with a range of educational opportunities by which they may achieve excellence in the major branches of engineering, computer science, informatics and construction management.

The Ira A. Fulton Schools of Engineering take pride in their diversity, their economic and cultural heritages and in the quality of their graduates. The schools strive to be integral to the community they serve and a lifelong presence in the lives of those within their compass. The schools' educational and research programs are built around the following principles: entrepreneurship; use-inspired research and scholarship; a focus on the individual; intellectual fusion of unique and distinct disciplines; social embeddedness in the local, national and international community; and global engagement.

For more information, see <http://engineering.asu.edu> [1].

Ira A. Fulton Schools of Engineering Aspirations

Graduates from any of the schools' programs will be technically sound. In addition to technical competency, the Ira A. Fulton Schools of Engineering aspire to develop leaders who are aware of biological issues, well-read, well-spoken and knowledgeable about current business practices. To this end, the schools offer enhanced curricula, special courses and extracurricular activities to enrich the student's stay and to offer every student opportunities to achieve the schools' aspirations.

All the programs within the schools are professional programs, and professionalism is an important component of all the curricula. The schools strive to help students understand and value the various aspects of professionalism, including ethical behavior, a desire for lifelong learning, the ability to communicate with others and an awareness of how the profession fits into and impacts society. As a first step in ethics, all students are expected to follow the Student Code of Conduct and rules of academic integrity defined by the university as outlined at <http://provost.asu.edu/academicintegrity> [2].

Undergraduate Policies

Academic Integrity

Students enrolled in the Ira A. Fulton Schools of Engineering are required to maintain high levels of integrity and honesty in their academic progress. The ASU Student Academic Integrity Policy is strictly enforced and followed. A student with an alleged violation is required to discuss the violation with the professor. A student charged with a violation of the Student Academic Integrity Policy will have the opportunity to appeal the charge and be heard by the Ira A. Fulton Schools of Engineering Standards Hearing Board, which provides recommendations to the dean or the dean's designee. The dean or dean's designee will review the recommendation and render a decision. If the decision is suspension or expulsion, the student may appeal to the Office of the Provost. Policy information is located at <http://provost.asu.edu/academicintegrity> [2].

The Ira A. Fulton Schools of Engineering have developed and enforce a number of academic standards. These standards are designed to support students and ensure the quality of the schools' graduates.

Academic Standing

Student Responsibilities

Students need to make many decisions as they complete their degrees. While the schools and the university have a number of resources available (e.g., faculty, courses, advisors and tutors) to help with decision-making, students are expected to take responsibility for their decisions.

Satisfactory Progress

Students are expected to select and successfully complete courses that lead to the timely completion of their degrees. Students are said to be making satisfactory progress if they fulfill all of the following:

- Maintain acceptable GPAs.
- Enroll and complete critical tracking requirements.
- Complete courses each semester that are applicable to their degrees.

Students who are making satisfactory progress are said to be in good standing.

Probation

Some students do not make satisfactory progress, and these students generally need extra attention and resources to help them get back to academic good standing. Such students are placed on academic probation to help ensure they get the necessary help. There are many reasons why students fail to make satisfactory progress. Working with an academic advisor to plan a strategy for success is crucial. Students may be required to reduce their course loads (13 credit hours maximum), retake courses or even take courses outside of their programs, if these measures will help bring them back to academic good standing.

To return to academic good standing in the Ira A. Fulton Schools of Engineering, students with probation status need to earn a minimum semester GPA of 2.25 and earn a minimum cumulative ASU GPA of 2.00 at the end of the probation semester. If enrolled in only one course, a grade of "C+" (2.33) or better and a minimum cumulative ASU GPA of 2.00 is required to obtain academic good standing. Students who meet either the semester GPA requirement, or meet the cumulative ASU GPA requirement at the end of their first probationary semester may be continued on probation.

Conditions for Probation

A student is placed on probation status when specific academic expectations are not met. Some conditions trigger an automatic placement on probation whereas others trigger an automatic review of the student's case to determine if probation is warranted. When a probation review is triggered, the final decision and any conditions of probation are determined at the program level.

Automatic probation is triggered by any of the following:

- A semester or summer session with a GPA less than or equal to 1.50.
- Two successive semesters with GPAs less than 2.00.
- An ASU cumulative GPA less than 2.00 (for more than 55 credit hours).

Automatic review (borderline) is triggered by any one of the following:

- An ASU cumulative GPA less than 2.00 (0 to 55 credit hours).
 - A cumulative GPA in the major of less than 2.00.
 - A failure to complete any courses appropriate for the degree during each semester.
- Courses completed during summer sessions are not used to reevaluate a student's fall semester probationary status.

Ineligibility

Students who are on academic probation and fail to meet the schools' retention standards become ineligible to continue working toward a degree within the schools. Ineligible students who cannot transfer to another program within ASU are designated as disqualified.

Ineligibility occurs if the probationary student does any of the following:

- Does not attain a semester GPA of 2.25 or higher.
- Has a cumulative GPA below 2.00 at the end of the probationary semester.
- Has already been on probation for two consecutive semesters.
- Fails to complete any courses appropriate for the degree during each semester.

Ineligible students are subject to the following limitations:

- Students who change colleges may not register for courses in the Ira A. Fulton Schools of Engineering unless the courses are required by their new majors.
- Students who register for courses in the Ira A. Fulton Schools of Engineering may be withdrawn from these courses any time during the semester they are registered.

Ineligible students are encouraged to consider these options:

- Students may be eligible to change their majors to other colleges if they have acceptable cumulative GPAs. The acceptable GPA level depends on the number of hours of completed course work. Students should contact an advisor in the office of Academic and Student Affairs to determine if they are eligible.
- Students may take nonengineering courses during summer and winter sessions.
- Students may request a review of their status by contacting the office of Academic and Student Affairs.

Advising

Successful completion of a program in the Ira A. Fulton Schools of Engineering requires careful planning. While final responsibility for becoming familiar with and understanding academic degree requirements lies with each student, each program employs professional academic advisors who work with students in setting academic and career goals, understanding school and university policies and procedures, meeting degree requirements and becoming familiar with the university's and the school's sources of academic support. Students may also work with faculty advisors familiar with the chosen fields of specialization. Students should

consult with their advisors prior to registering each semester. A list of program advisors can be viewed at <http://engineering.asu.edu/advising> [3].

Students are encouraged to use the eAdvisor tool for academic planning. This service provides critical requirements and major maps, which are individualized student reports that lay out a specific, clear and accurate path to timely completion of each student's intended degree. Access eAdvisor at <http://eadvisor.asu.edu> [4].

Many students find it necessary to work while attending ASU. The working student should endeavor to create a careful balance of work and class responsibilities to avoid academic problems. Students should inform their academic advisors of any outside work or activity so that course loads may be adjusted accordingly.

Staff in the office of Academic and Student Affairs in the Ira A. Fulton Schools of Engineering are available to assist individual students with many different types of advising issues. They work with students to answer general questions about policies and procedures; help with registration transactions; administer the probation, disqualification and readmission processes; oversee disciplinary actions; hear grade grievances and assist with other administrative matters.

Mandatory Advising

All first-year students, student athletes and students who are found to be having academic difficulty are required to be advised before they can register for classes, including summer sessions classes. Some programs relax the advising requirement after the first year, so students should consult their academic advisor or review the My Tasks list in My ASU to determine if advising is required.

Credit/Registration

Students are required to register for courses using one of the university-provided processes. As part of the registration process, the school enforces the following registration restrictions:

Maximum Hours

Students enrolled in undergraduate degree programs in the Ira A. Fulton Schools of Engineering may register for a maximum of 19 credit hours per semester. Any student wanting to register for more than the maximum must submit a college standards petition and have an approval on file prior to registering for the overload.

Probationary Status

Students who have been placed on academic probation must meet with their academic advisors and complete their probation success plans. The success plan is designed to assist students in identifying a path to academic success and can be found at <http://engineering.asu.edu/students/standards> [5]. Students on academic probation may enroll in a maximum of 13 credit hours per semester.

Degree Requirements

Undergraduate Nondegree Status

Students who are enrolled in an undergraduate nondegree status in the schools must obtain advising and approval to register from the office of Academic and Student Affairs before registering each semester.

Course Prerequisites

Students should consult the schedule of classes and the catalog for course prerequisites. Students who register for courses without the designated prerequisites may be withdrawn without their consent at any time before the final examination. Such withdrawal may be initiated by the course instructor, the program chair of the program offering the course, or the dean of the college. In such cases, students will not receive monetary reimbursement.

Pass/Fail Grades

Students enrolled in the schools do not receive degree credit for pass/fail courses taken at this institution. In addition, no courses in the schools are offered for pass/fail credit. Students requesting credit for pass/fail courses taken at another institution must file an Ira A. Fulton Schools of Engineering standards petition. Each request is judged on its particular merits.

Non-Ira A. Fulton Schools of Engineering Students

Students who are not admissible to programs in the Ira A. Fulton Schools of Engineering and who enroll in another college at ASU may not register for any 300- or 400-level courses in the schools unless the courses are required in their degree programs and the students have the proper course prerequisites.

First-year Composition Requirement

Completion of the first-year composition requirement is required for graduation. Any student whose written or spoken English in any course is unsatisfactory may be required by the appropriate school director or program chair to take additional course work. Find the first-year composition requirement at http://catalog.asu.edu/ug_grad_req [6].

Change of Major

Students interested in switching majors to one of the programs within the Ira A. Fulton Schools of Engineering must meet the schools' admission requirements for transfer students. Change of major is not guaranteed, and students interested in changing majors are encouraged to make an appointment with an advisor in the program of interest to discuss the probability of success and to develop a plan of action to ensure successful advancement to upper-division courses. For admissions information, visit <http://engineering.asu.edu/undergraduate/adreqs> [7].

Evaluation of Previous Course Work

Transferring from one institution to another or between programs can result in a net loss in credits that count toward the degree. Thus, it is important for students who contemplate transferring into the Ira A. Fulton Schools of Engineering from other institutions, whether community colleges or four-year institutions, to carefully study the requirements of their degree programs to get a sense of what courses may transfer.

Credit is granted for transferred courses deemed equivalent to corresponding courses in the selected program of study, subject to grade and ASU resident credit requirements. No grades lower than "C" (2.00) are accepted as transfer credit to meet the graduation requirements of the schools. Credits transferred from a community college or two-year institution are applied only as lower-division credits. For a listing of the acceptable courses transferable to the various degree programs, prospective Arizona transfer students should consult their advisors and refer to the ASU transfer tools available at <http://Transfer.asu.edu> [8].

It should be noted that some courses taken in other ASU colleges or other universities may be acceptable for general university credit but may not be applicable toward the degree requirements of the schools. Determination of those particular courses applicable to a specific degree program is made within the appropriate academic unit with approval of the dean.

Currency of Course Work

Courses taken more than five years before admission to degree programs in the Ira A. Fulton Schools of Engineering are not normally accepted for transfer credit, at the option of the program in which the applicant wishes to enroll. Courses completed within the five years preceding admission are judged for their applicability to the student's curriculum.

General Education Development

Students admitted to the university after successful completion of the General Education Development (GED) examination are directly admitted to the Ira A. Fulton Schools of Engineering (B.S.E. or B.S.) program within their majors, provided they meet the minimum ACT or SAT score required for freshman admission to the Ira A. Fulton Schools of Engineering.

Graduation Requirements

To qualify for graduation, an Ira A. Fulton Schools of Engineering student must have a minimum cumulative ASU GPA of 2.00 in addition to having a GPA of at least 2.00 for the courses in the major.

University Graduation Requirements

In addition to program and schools' requirements, students must meet all university graduation requirements. A well-planned program of study enables students to meet all requirements in a timely fashion. Students are encouraged to consult with an academic advisor in planning a program to ensure they comply with all necessary requirements. University graduation requirements can be found at http://catalog.asu.edu/ug_grad_req [6].

Reinstatement/Readmission

Readmission

Undergraduate degree-seeking students who previously attended ASU in the Ira Fulton Schools of Engineering but have not been enrolled at ASU for one or two consecutive fall or spring semesters are eligible to return through "Quick Reentry." Students do not need to submit a new application or application fee, but must contact an academic advisor in their program for registration.

Undergraduates who have been away from the university for three or more semesters and want to return to ASU in an Ira A. Fulton Schools of Engineering program are required to apply for readmission through the university registrar's office. Readmission requests are processed as follows:

- School of Engineering students seeking readmission to the same program they left, and who left ASU with either academic good standing or probation status, are readmitted to the degree program they left with the same academic standing (i.e., good academic standing or probation) they had when they left ASU.
- Students seeking readmission to an Ira A. Fulton Schools of Engineering program other than the program they left and who have an ASU GPA of 3.00 or higher are readmitted to the degree program with the same academic standing (i.e., good academic standing or probation) they had when they left ASU.
- Students seeking readmission to an Ira A. Fulton School of Engineering program other than the program they were in when they left, and who left ASU with either academic good standing or probation status, and who have an ASU GPA less than 3.00 are subject to the admission by change of major process. These requests for readmission are reviewed on an individual basis. If the request for readmission is approved, the student is readmitted to the new degree program with the same academic standing (i.e., good academic standing or on probation) he or she had when leaving ASU.
- Students seeking readmission to an Ira A. Fulton Schools of Engineering program and who left ASU with either ineligible or disqualified status are subject to review by the office of Academic and Student Affairs and the program.
 - Readmission is only considered after a student has remained out of the Ira A. Fulton Schools of Engineering for a minimum of 12 months.
 - A student is required to supply proof he or she is now capable of successfully completing courses in the discipline by the completion of at least 15 hours of appropriate course work with a GPA of 3.00 or higher and a cumulative (ASU + transfer) GPA of at least 2.50.
 - If the readmission request requires a change of major, then the admission by change of major review must be completed.
 - If readmission is approved, the student will return with continued probation status in the appropriate degree program.

Once readmitted, returning students are required to meet with a program advisor before enrolling in courses at ASU.

Other Special Requirements

Advancing to Upper-division Courses

The faculty in the Ira A. Fulton Schools of Engineering have identified a set of critical requirements in the first four semesters of each program whereby performance in these critical requirements is a key component in progressing in the chosen major. These critical requirements include a set of courses and performance levels required in those courses and are outlined on the major maps.

Graduate Policies

Policy for Maintaining Satisfactory Progress

A student who has been admitted to a graduate degree program in the Ira A. Fulton Schools of Engineering, with either regular or provisional admission status, must maintain a 3.00 or higher GPA in all of the following:

1. All work taken for graduate credit (courses numbered 500 or higher).
 2. Course work in the student's approved plan of study.
 3. All course work taken at ASU (overall GPA) post-baccalaureate.
- A. A student will be placed on academic probation if one or more of the student's GPAs listed above falls below 3.00. Students will be notified by mail when placed on academic probation.
- B. A student will earn academic good standing by obtaining a 3.00 or better in the GPAs listed above by the time the next nine hours are completed. Course work such as research and dissertation registration that are for "Z" (in progress) or "Y" (satisfactory) grade cannot be included in these nine hours.
- C. A student may be recommended for withdrawal from a graduate program if the student fails to increase all of the GPAs listed above to 3.00 or better by the time he or she completes at least nine credit hours as defined in section B.

A student may appeal actions concerning withdrawal by petitioning the program in which they are enrolled.

Academic units in the Ira A. Fulton Schools of Engineering can expand this policy statement to include additional policy governing the satisfactory academic progress of the students in their graduate programs.

Additional Graduate Policies

Full details of policies related to graduate students in the Ira A. Fulton Schools of Engineering can be found on each program's Web page. For a list of programs, visit <http://engineering.asu.edu> [9]. University policies related to graduate students can be found at <http://graduate.asu.edu> [10].

Source URL: <https://catalog.asu.edu/policies/engineering>

Links: [1] <http://fulton.asu.edu/fulton/> [2] <http://provost.asu.edu/academicintegrity> [3] <http://engineering.asu.edu/advising> [4] <http://eadvisor.asu.edu/> [5] <http://engineering.asu.edu/students/standards> [6] http://catalog.asu.edu/ug_grad_req [7] <http://engineering.asu.edu/undergraduate/adreqs> [8] <http://Transfer.asu.edu> [9] <http://engineering.asu.edu/> [10] <http://graduate.asu.edu/>

Health Solutions, College of

The college recommends students contact the Student Services Office at 602-496-0888 to obtain the most current information on school policies.

Undergraduate Policies

Academic Integrity

Academic honesty is expected of all students in all examinations, papers, academic transactions and records. The possible sanctions include, but are not limited to, appropriate grade penalties, loss of registration privileges, disqualification and dismissal. The School of Nutrition and Health Promotion adheres to the Student Code of Conduct regarding academic dishonesty. A copy of the Student

Code of Conduct may be obtained online at <http://provost.asu.edu/academicintegrity> [1]. Academic dishonesty is not tolerated in any course and is subject to specific School of Nutrition and Health Promotion policies and procedures.

Academic Standing

University standards for academic good standing and Sun Devil Tracking are followed for all majors in the school with the exception of those in the B.S. in kinesiology program, which maintains stricter admission and retention standards. The stricter standards are as follows:

Freshmen admission 1. Have a minimum Arizona Board of Regents' GPA of 3.30 **and** high school class rank in the top 15th percentile, **or** an SAT score of 1140 or higher, **or** an ACT score of 25 or higher. 2. Meet math competency (four years of math, including Algebra I, Geometry, Algebra II and one course requiring Algebra II as a prerequisite).

If a transfer student has fewer than 24 transferable college credit hours, admission will be based on the standards used for freshmen admission.

If a transfer student has more than 24 transferable college credit hours, a minimum transfer GPA of 3.30 or higher is needed.

All kinesiology majors must maintain a 3.00 GPA in all KIN courses and maintain a minimum standard of 3.00 GPA overall. Additional information regarding the academic requirements for kinesiology students can be obtained from a kinesiology academic advisor.

Students who do not maintain the minimum GPA after each fall or spring semester are placed on academic probation. A student on academic probation or continuing probation must meet with an academic advisor before registration for the subsequent semester. Students placed on academic probation have one semester to raise their cumulative or semester GPA, to meet the academic good standing criteria; otherwise, these students may be disqualified or determined to be ineligible for some majors in this school. Disqualified students are not permitted to enroll for the fall or spring semesters.

Sun Devil Tracking focuses on students who initially enroll as full-time freshmen and tracks progress during their first four semesters. It identifies and outlines the critical courses, GPA requirements and milestones that predict success in each major. Students use major maps and progress reports to plan what courses to take each semester.

Students who do not meet critical requirements are notified they are off track, and off-track status is displayed on their My ASU student page. Off-track students are required to see an academic advisor before registering for or adding classes. Students who are off track for two consecutive semesters may be required to change majors.

Advising

Academic advising is provided by the School of Nutrition and Health Promotion Student Services Office as an essential aspect of the educational experience. Advising for graduate students occurs within the student's specific academic program. Academic advisors assist undergraduate students with program planning, registration, preparation of petitions, verification of graduation requirements, referrals to university and community resources and career planning. ASU accepts course work transferred from other accredited institutions, and the School of Nutrition and Health Promotion determines if and how the courses will be applied.

The Student Services Office is committed to ensuring that students reach their academic goals and graduate in four years by monitoring student progress, providing academic resources and using personalized tools to advise students and help ensure they get off to a good start and stay on track toward graduation. Students can monitor their progress with the Sun Devil Tracking site at <https://eadvisor.asu.edu/index.php?q=whatiseadvisor/tracking> [2]; the eAdvisor academic success resources at <https://eadvisor.asu.edu/index.php?q=node/19> [3]; and with personalized tools at <https://eadvisor.asu.edu/index.php?q=whatiseadvisor/tools> [4].

Student responsibilities include following university guidelines regarding submission of transcripts from all colleges other than ASU, obtaining the necessary signatures or computer verifications required by the university and following university procedures for matriculation. It is ultimately the responsibility of each student to fulfill academic and program requirements.

Mandatory Advising: All freshmen and new undergraduate transfer students are required to meet with an academic advisor before registering for courses. Students with academic probationary status and off-track students are required to meet with an academic advisor to plan strategies for improving academic standing.

Course Load: Students wishing to register for more than the maximum allowable credits in a term must petition to do so through their academic advisors and must obtain approval for overload before registration.

Degree Requirements

Any student wishing to pursue concurrent degrees must petition the School of Nutrition and Health Promotion and the college of the other major he or she wishes to pursue.

Admission standards for exercise and wellness, health sciences, medical lab sciences and nutrition programs are the same as university admission requirements (<http://students.asu.edu/admission> [5]). Admission requirements to the kinesiology program are more rigorous and can be obtained from a kinesiology academic advisor.

Reinstatement/Readmission

Disqualified or ineligible students who have skipped a fall or spring semester must follow the procedures for readmission. See Readmission to the University at <http://students.asu.edu/readmission> [6].

Applications for reinstatement/readmission to kinesiology are subject to rigorous requirements that reflect current admission and progression standards. This might include summer course work at ASU or taking specified courses at another institution in order to achieve the desired GPA.

Applications for reinstatement/readmission to the other majors in the school will normally require summer enrollment to bring the ASU cumulative GPA to a 2.00 or higher or taking specified course work at another institution and earning a 2.50 or higher.

Other Special Requirements

Students in some programs that require working in hospitals or with vulnerable populations, including but not limited to the medical laboratory science program, must meet additional requirements such as specific immunizations, background clearance or proof of insurance.

Graduate Policies

Academic Advising: Graduate students are advised by the a faculty advisor within the area of concentration.

Source URL: <https://catalog.asu.edu/policies/nhp>

Links: [1] <http://provost.asu.edu/academicintegrity> [2] <https://eadvisor.asu.edu/index.php?q=whatiseadvisor/tracking> [3] <https://eadvisor.asu.edu/index.php?q=node/19> [4] <https://eadvisor.asu.edu/index.php?q=whatiseadvisor/tools> [5] <http://students.asu.edu/admission> [6] <http://students.asu.edu/readmission>

Honors - Barrett, the Honors College

Students who have demonstrated high levels of academic achievement in high school or college may apply for admission to Barrett. Each candidate must file an application to the college separate from the ASU application, in accordance with the appropriate Barrett deadlines.

Applicants are evaluated on the basis of their academic records, high school class ranks and performances on the SAT or ACT. The college also values students who have special talents and aptitudes, exhibit exceptional leadership qualities, have had unusual life experiences and/or display significant community involvement. High school GPAs used in the evaluation process are calculated in accordance with the Arizona Board of Regents competency requirements, pursuant to ABOR Policy 2-102.

The Barrett admissions application and additional information about the college and its activities are available at <http://barretthonors.asu.edu> [1].

Undergraduate Policies

Advising

Barrett students have advisors in their major, an assigned Barrett honors advisor and faculty honors advisors in departments throughout the university. Students are encouraged to stay in regular contact with all these resources and are required to complete mandatory advising sessions with their Barrett honors advisor during semesters one, three and six. To schedule an appointment with a Barrett honors advisor, call 480-965-9155. Office hours are Monday through Friday, 8 a.m. to 5 p.m. in Sage North 110.

Students can review honors opportunities in majors at <http://barretthonors.asu.edu> [2]. There are also special prelaw and prehealth advising opportunities for Barrett students. Contact the Barrett advising office for more information.

Degree Requirements

Barrett Academic Course Requirements

Honors students must maintain high standards of academic performance and show progress toward completion of graduation requirements in their majors and in Barrett. In order to graduate from Barrett, students must complete the following (which includes 36 credit hours of honors course work):

- HON 171 and HON 272/273/274 The Human Event must be completed in sequence during a student's first two semesters in the college.
- Thirty additional credit hours of honors course work must be earned with a letter grade of "C" (2.00) or higher. This may include HON prefix classes, honors sections of classes, honors enrichment contracts or any automatic honors course such as ENG 105 (in-person sections), CEE 486, PHY 333 or any graduate-level course.
- Included in the 36 credit hours of honors course work are 18 hours of upper-division or graduate-level honors credits for an earned letter grade of "C" (2.00) or higher, including six credit hours of honors course work outside the academic major. Students should investigate specialized honors upper-division tracks within their majors.
- Students admitted as upper-division transfer students (defined as 48 post-high school university credits completed by the time of planned enrollment in Barrett) must complete a three-credit 300-level HON special topics course in addition to the 18 required hours of upper-division honors course work. Six of the 21 honors credits must be outside the academic major. A total of 21 hours of upper-division honors course work are required for these transfers because transfers do not have time to complete all 36 honors hours.
- Students are required to complete an honors thesis/creative project for at least three credit hours, though students are encouraged to complete six credit hours of thesis or creative project work. The thesis credit hours may be included in the 18 required hours of upper-division honors course work. The honors thesis or creative project is launched with a prospectus due one academic year before the defense. The final copy of the honors thesis or creative project must be filed by the posted deadline during the student's graduation semester.
- ASU graduation requirements in an academic major must be met.
- The student must maintain a cumulative ASU GPA of 3.25 or higher.

Barrett course requirements may be met in a variety of ways. There are two specific required courses for first-year students. Only courses in which a student receives a grade of "C" (2.00) or higher may be used to meet Barrett requirements.

Those entering the college as lower-division students may take as many as 18 lower-division honors credits, which include HON 171 and 272/273/274 The Human Event. This cross-disciplinary seminar acquaints students with ideas that form the foundation of a university education and emphasizes critical thinking, discussion and writing.

Those who enter as upper-division students must take 21 upper-division honors credits, including a required three-credit, 300-level HON honors course. It is expected that all students complete this course no later than the second semester after transferring. Junior-level seminar courses introduce students to critical thinking, discussion and writing in topical areas chosen by their instructors.

Departmental honors-only courses are limited to honors students and others who receive special permission from the instructor to enroll. Enrollment in these courses is limited. Compared to their nonhonors equivalents, these courses are designed to offer richer, more complex intellectual experiences appropriate to the disciplines and the levels of the courses for all students enrolled. Other disciplinary honors courses group honors students in small cohorts to work on research projects of common interest.

Honors enrichment contracts are available in many departmental courses allowing honors students to contract with the professors or instructors of designated nonhonors courses to earn honors credit by pursuing enrichment activities, which may include supplemental sessions with the instructors. Honors enrichment contracts must be filed during the first four weeks of class and completed during the semester in which the course is offered. The enrichment contract form offers guidelines to aid students and faculty in developing appropriate contracts.

Course numbers listed in the ASU schedule of classes as 298/492 Honors Directed Study, 493 Honors Thesis, 497 Honors Colloquium, all classes with the HON prefix and those with the departmental prefix that carry the honors designation as a notation are reserved for students in Barrett and always count for honors credit. Students may receive credit for more than one of each of these courses in a given department.

Departmental courses with the number 493 are reserved for honors students completing their honors thesis and creative project. A student may enroll for these courses only with the approval of the sponsoring academic department and of the faculty member who serves as the student's thesis or creative project director. Course numbers listed in the ASU schedule of classes as 493 fulfill the student's upper-division literacy and critical inquiry (L) General Studies requirement.

There are certain courses that carry automatic honors credit. These include ENG 105 (any in-person section), CEE 486, and PHY 333. Graduate-level courses automatically earn honors credit.

Source URL: <https://catalog.asu.edu/policies/barrett>

Links: [1] <http://barretthonors.asu.edu> [2] <http://barretthonors.asu.edu/>

Journalism and Mass Communication, Walter Cronkite School of

The Walter Cronkite School of Journalism and Mass Communication recommends students contact our Student Services Center at 602-496-5055 to obtain the most current information on college policies. The Cronkite advising staff are available to assist with any questions regarding the school's policies.

Undergraduate Policies

Advising

Students should follow the sequence of courses outlined on major maps, online degree audits and advice of the school's academic advisors. Conscientious, careful planning and early advising are crucial tools for students who desire to progress through their programs in a timely fashion. The critical requirements for freshmen in the school are available at <http://cronkite.asu.edu> [1].

Graduate Policies

Advising

Preadmission information, advising and continuing support are provided by the graduate student support specialist, who can be reached at 602-496-1796.

Maximum Time Limit

M.M.C. students have six years to complete the program, beginning with the date the first course in the program is taken.

Doctoral students have 10 years to complete the program, beginning with the date the first course in the program is taken.

Source URL: <https://catalog.asu.edu/policies/journalism>

Links: [1] <http://cronkite.asu.edu/>

Law, Sandra Day O'Connor College of

Graduate Policies

Academic Integrity

Honor Code

The legal profession, a self-regulating association, depends on the integrity, honor and personal morality of each member. Similarly, the integrity and value of a Sandra Day O'Connor College of Law degree depends on a reputation for fair competition. The college's honor code is intended as a measure to preserve the integrity of the school's diploma and to create an arena in which students can compete fairly and confidently. Copies of the honor code are available from the college's Student Services Office.

Academic Standing

Retention Standards

The College of Law requires a minimum grade point average of 73.00 or 2.00 to continue enrollment. If a student's grade point average falls below this number, he or she may be disqualified in accordance with College of Law policies.

The College of Law Statement of Student Policies contains additional retention and academic policies. The Statement of Student Policies can be found at <http://law.asu.edu> [1].

Advising

Academic assistance for currently enrolled law students is available through the office of the assistant dean for academic affairs.

Admissions Process

The Sandra Day O'Connor College of Law enrolls only one first-year, JD class per year, and it enters in the fall semester. The program is a three-year program, and almost all students study on a full-time basis. The college does offer a flexible scheduling option for students with circumstances that make full-time enrollment impossible. To be considered for admission to the JD program, an applicant must:

- Demonstrate that he or she will have earned an undergraduate degree from an accredited four-year college or university by the time of enrollment in the JD program.
- Take the LSAT and provide a reportable score from that test.
- Submit a completed application with application fee.
- Submit transcripts and letters of recommendation through the Law School Admissions Council's Credential Assembly Service (CAS), which will be provided to the College of Law by LSAC with the applicant's LSAT record. Applicants are encouraged to apply electronically through www.lsac.org [2].

The undergraduate record and LSAT score are only two of many factors considered for admission.

More details about the application process can be found at <http://www.law.asu.edu/admissions> [3]. For an application to be considered timely, it must be postmarked or electronically submitted by Feb. 1. For earlier consideration, the early decision deadline is Nov. 15.

Source URL: <https://catalog.asu.edu/policies/law>

Links: [1] <http://law.asu.edu/> [2] <http://www.lsac.org/> [3] <http://www.law.asu.edu/admissions>

Letters and Sciences, School of

The School of Letters and Sciences provides students across ASU with the knowledge and skills to comprehend and effectively engage the changing world of the 21st century at local, national and global levels. The school offers graduate and undergraduate degree programs that prepare students for a rapidly changing marketplace, as well as foundational instruction in humanities, social sciences, mathematics, sciences and professional fields.

Undergraduate Policies

Academic Standing

The standards for GPA and the terms of academic probation, disqualification, reinstatement and appeal are identical to those of the university, as set forth under Retention and Academic Standards. When a student is placed on probation, one of three things can happen:

- The student may raise his or her cumulative GPA to academic good standing by taking new classes and then be removed from academic probation after the fall or spring semester.
- The student may achieve the required semester GPA but not raise the cumulative GPA to academic good standing, in which case the student may continue on academic probation, earning the required semester GPA, for as many semesters as it takes to raise the cumulative GPA to academic good standing.
- The student may fail to achieve the required semester GPA and be disqualified.

Advising

All students are encouraged to seek advising before registration. Students must follow the calendar published in the Registration and Tuition Payment Guide each semester for information and deadlines pertaining to enrollment, adding/dropping classes and withdrawals.

In addition to information provided by an academic success specialist, students must read the requirements for university General Studies, college graduation and major degree requirements in their edition of the ASU Academic Catalog. The ASU Academic Catalog is the governing source for all degree requirements.

Advising Locations Advising offices are located at the Downtown Phoenix, Polytechnic, Tempe and West campuses. Students should seek advising from the appropriate office as outlined below.

School Majors

Advising Office Campus Locations

Applied Science (Technical Communication)	Polytechnic
Communication	Downtown Phoenix, Polytechnic
English	Polytechnic
General Studies	Downtown Phoenix
History	Polytechnic
Interdisciplinary Studies	Downtown Phoenix, Online, Polytechnic, Tempe, West
Interdisciplinary Studies-Organizational Studies	Online
Liberal Studies	Online
Science, Technology and Society	Polytechnic
Technical Communication	Online, Polytechnic

School Advising Locations

Downtown Phoenix University Center (UCENT), Suite 300 Phone: 602-496-4000

Online and Polytechnic Santa Catalina (SANCA), Room 233 Phone: 480-727-1526

Tempe Undergraduate Academic Services Building (UASB), Room 129 Phone: 480-965-4464

West Faculty Administration Building South (FAB), Suite 101 Phone: 602-543-9222

Mandatory Advising The following students in the School of Letters and Sciences must receive advising and must be cleared before registering for classes:

- Students in their first semester at ASU.
- Students completing their 30th, 60th and 90th credit hours.
- Students on academic probation.
- Students who have been readmitted to ASU.
- Students who have been disqualified (these students are allowed to attend ASU summer sessions only and must be advised prior to registration).
- Students who are off track in their majors.
- Students who reach critical advising communication milestones at 30, 60 and 90 completed credit hours.

Students are encouraged to check their mandatory advising status each semester before attempting any registration transactions.

Credit/Registration

Students enrolling in courses offered by the School of Letters and Sciences are expected to follow the rules and deadlines specified in this catalog and the current Registration and Tuition Payment Guide. Students are encouraged to meet with their academic success specialists before registration.

Degree Requirements

All candidates for graduation are required to complete at least 120 credit hours, of which at least 45 hours must consist of upper-division courses. A minimum ASU cumulative GPA of 2.00 is required for graduation.

Appeals Procedures Academic appeals and requests for variances or exceptions should be discussed first with the student's academic success specialist and then, if necessary, submitted in writing to the School of Letters and Sciences standards committee. The University Standards Committee also reviews all requests reviewed by the School of Letters and Sciences standards committee for exceptions to university requirements.

Concurrent Degrees

Students who wish to obtain concurrent degrees must request approval from the School of Letters and Sciences and the college offering the second degree. Students who wish to obtain concurrent degrees may not double-count courses from one major to the next and must have at least 30 different credit hours in each major.

Readmission

For students who are disqualified, reinstatement to the School of Letters and Sciences is only granted for those who 1) raise their ASU cumulative GPA to good academic standing (see table below) by taking ASU summer classes, or 2) complete 12 or more transferable credits at another college or university, with a GPA of 2.50 or higher and no grades lower than "C" (2.00).

Total Hours Earned	Minimum Cumulative GPA
24 or fewer	1.60
25–55	1.75
56 or more	2.00

Graduate Policies

Please review graduate policies at <http://graduate.asu.edu/forms/gradpolicies> [1].

Source URL: <https://catalog.asu.edu/policies/sls>

Links: [1] <http://graduate.asu.edu/forms/gradpolicies>

Liberal Arts and Sciences, College of Undergraduate Policies

Academic Integrity

Academic honesty is expected of all students in all examinations, papers, laboratory work, academic transactions and records. The possible sanctions include, but are not limited to, appropriate grade penalties, loss of registration privileges, disqualification and dismissal. For more information, see <http://provost.asu.edu/academicintegrity> [1].

Student Responsibilities

Students enrolling in courses offered by the College of Liberal Arts and Sciences are expected to follow the rules and deadlines specified in this catalog and the current Registration and Tuition Payment Guide. Students are urged to meet with their departmental academic advisors before registration. Students with additional questions or problems are also urged to meet with advisors in the Office of Student and Academic Programs, in FULTN 110, regarding the academic rules of the college and the university.

Academic Standing

The standards for GPA and the terms of academic probation, disqualification, reinstatement and appeal are identical to those of the university, as set forth under Retention and Academic Standards, except that the disqualified student in the College of Liberal Arts and Sciences is suspended for at least two regular semesters at the university. When a student is placed on probation, one of three things can happen:

- The student may raise his or her cumulative GPA to academic good standing by repeating eligible classes or taking new classes and then be removed from academic probation after the fall or spring semester.
- The student may receive the required semester GPA, but not raise the cumulative GPA to academic good standing, in which case, the student may continue on academic probation, earning the required semester GPA, for as many semesters as it takes to raise the cumulative GPA to academic good standing.
- The student may fail to achieve the required semester GPA and be disqualified.

Students who leave the university for a semester or more while on academic probation are not automatically readmitted. Such students, and all disqualified students, should contact the Office of Student and Academic Programs in FULTN 110 regarding procedures and guidance for reinstatement and returning to academic good standing. By following recommendations and meeting established standards for summer school work or course work at other institutions, the possibility of successful reinstatement is enhanced. All students who are academically disqualified or who are off track for two semesters should contact this office. The office provides transitional advising for students who must choose another major. To schedule an appointment for transitional advising, students should call 480-965-6506. Also available in this office is information on policies and procedures of the college on academic honesty, student grievances with respect to grades and various petitions regarding college standards and graduation requirements.

Advising

All students are urged to seek advising in the appropriate college unit before registration. Students must follow the calendar published in the Registration and Tuition Payment Guide each semester for information and deadlines pertaining to enrollment, adding/dropping classes and withdrawals.

In addition to information provided by an advisor, students must read the requirements for university General Studies and college graduation in their edition of the ASU Academic Catalog. The ASU Academic Catalog is the governing source for all degree requirements. Students must consult the major maps for their majors' degree requirements.

Regular Advising

All students are strongly urged to seek advising in the appropriate college unit before registration.

eAdvisor

In fall 2007, ASU introduced eAdvisor, which gives students the tools to successfully follow their major map to graduation. This service assists students in:

- Learning more about graduation requirements for their major.
- Discerning what critical-requirement courses and grades are required to stay on track to successfully complete their degree.
- Planning for and scheduling appropriate courses in the correct sequence to maximize success.
- Monitoring progress toward their degree.
- Finding out how courses may fit into other majors if they decide to change majors.

Access eAdvisor at <http://eadvisor.asu.edu/> [2].

Advising Locations

College of Liberal Arts and Sciences students should seek routine advising in the department or school of their major, which can be found at <http://clas.asu.edu/departmentadvisors> [3].

The Office of Student and Academic Programs, in FULTN 110, is the central resource center for academic information in the college. Requests from students, departmental advisors and faculty for clarification of rules, procedures and advising needs of the college and university should be directed to that office.

Advising Holds

The following categories of liberal arts and sciences students must receive advising and must have their holds lifted before their classes are scheduled:

- Students in their first semester at ASU.
- Students on academic probation.
- Students with a cumulative GPA of less than 2.00.
- Students in their first three semesters.
- Students who have been disqualified. (These students are allowed to attend ASU summer sessions only and must be advised in the Office of Student and Academic Programs in FULTN 110.)
- Students who have surpassed their 64th earned hour.
- Students who are off track in their major.

A student in any category listed above should consult an advisor in the department or school of his or her major (with the exception of a disqualified student, who may only receive advising in the Office of Student and Academic Programs, FULTN 110). Students are encouraged to check each semester to see if they have an advising hold before attempting registration transactions.

Internships

All students are encouraged to complete at least one internship before graduation; some majors require internships. Many college disciplines have well-established internship programs, so students should begin by seeking information in their academic departments.

Advising for Preprofessional Programs

Special advising is available for students planning to enter the fields listed in the Advising for Preprofessional Programs table. The professional programs shown in the table are not majors in themselves; that is, there are no majors called premedical, prelaw, etc. In each program, the student must select an established major in the college or in one of the other colleges.

Advising for Preprofessional Programs

Professional Field	Advisor Location
Dentistry	Preprofessional Advising (PPAO), FULTN 135
Foreign service	Diplomat in Residence, Philip Egger, COOR 6th floor
Law	Preprofessional Advising (PPAO), FULTN 135
Medicine	Preprofessional Advising (PPAO), FULTN 135
Ministry	School of Historical, Philosophical and Religious Studies, COOR 3309
Occupational therapy	Preprofessional Advising (PPAO), FULTN 135
Optometry	Preprofessional Advising (PPAO), FULTN 135
Osteopathy	Preprofessional Advising (PPAO), FULTN 135
Pharmacy	Preprofessional Advising (PPAO), FULTN 135
Physical therapy	Preprofessional Advising (PPAO), FULTN 135
Podiatry	Preprofessional Advising (PPAO), FULTN 135

Health Professions

A student pursuing admission to a professional school in the health professions must choose a major offered by ASU. However, specific courses must be taken to prepare the student to take the MCAT or other entrance examinations and to succeed in post-baccalaureate training. Therefore, students who plan to pursue a health profession should meet regularly with the staff in the Preprofessional Advising Office for guidance. While this guidance does not replace the need to meet with an advisor in the department of the student's major, health professions advising is a necessary supplement. To schedule a meeting with an advisor in the Preprofessional Advising Office, located in FULTN 135, call 480-965-2365.

Prelaw

The American Bar Association does not recommend any specific major for students who wish to apply to law school upon graduation. ASU does not have a prelaw degree program. Therefore, students should select the majors that interest them. Recent surveys of law school graduates indicate that students would be well advised to take one or two semesters of accounting as a supplement to their major curriculum. In addition, the American Bar Association recommends a variety of courses in the classics, economics and mathematical reasoning. Courses that engage the student in intense critical analysis and a substantial amount of writing are also recommended. As students approach the second semester of the junior year, they should meet with the prelaw advisors, located in FULTN 135; meetings can be scheduled by calling 480-965-2365.

Credit/Registration

Credit Requirement

All candidates for graduation in the B.A., B.S. or B.S. in planning degree curricula are required to complete at least 120 credit hours, of which at least 45 hours must consist of upper-division courses. A minimum ASU cumulative GPA of 2.00 is required for graduation.

Concurrent Degrees

Students who wish to obtain concurrent degrees must realize there are certain combinations that would not be approved because there is too great an overlap between the courses required for each major. For example, students may not obtain concurrent degrees in two life sciences. Students who wish to obtain concurrent degrees may not double-count courses from one major to the next, but must have at least 30 different credit hours in each major. The College of Liberal Arts and Sciences requires all students to have completed at least 30 graded hours and to have a minimum GPA of 2.00 to petition to pursue a concurrent degree. Some majors will require a higher GPA, which students should understand.

Minors

The College of Liberal Arts and Sciences offers minors in many of its disciplines. All minors must entail a minimum of 18 hours in the discipline with at least 12 of those hours as upper-division courses. Six of the upper-division hours must be taken from courses offered at the Tempe campus. Students should work with the advisors in the departments of their minors to make certain they are making the most effective choices to complete their minors. Students may not use courses in their minors toward their majors and, similarly, students may not use courses in their majors to fill the requirements of their minors. Additionally, there may be some disciplines that are too close in content for a student to choose a particular combination of minor and major.

Course Load

The normal course load is 15 or 16 credit hours for a full 15-week semester. First-semester freshmen and entering transfer students are not permitted to register for more than 18 credit hours in the initial 15-week semester or nine credit hours in Term A and nine credit hours in Term B. Other students who wish to register for more than 18 hours must have a GPA of at least 3.40 and have completed a minimum of two semesters at ASU, in which they have completed 17 to 18 hours per 15-week semester. Students meeting these requirements may seek an overload for 19 to 20 hours (or up to 10 hours in either Term A or B) from the advising office in the departments of their majors. Any petition for an overload in excess of 21 hours (or more than 10 hours in either Term A or B) must be presented to the Office of Student and Academic Programs, in FULTN 110. No student should assume that his or her petition for overload will be granted.

For summer sessions, the maximum course load is 14 credit hours, seven per six-week summer session. Overloads are rarely granted for these sessions, and requests must be petitioned to the Office of Student and Academic Programs, in FULTN 110.

Pass/Fail Grade Option

The pass/fail grade option is intended to broaden the education of liberal arts and sciences undergraduates by encouraging them to take advanced courses outside their specializations. A grade of "P" (pass) contributes to a student's earned hours, but does not affect the GPA. A failing grade is computed into the GPA.

Only College of Liberal Arts and Sciences students with at least 60 credit hours may take courses under the pass/fail option. The option may be used under the following conditions:

- Enrollment for pass/fail needs approval from the instructor and the college.
- Enrollment under this option must be indicated during registration and may not be changed after the late registration period.
- A maximum of 12 hours taken for pass/fail may be counted toward graduation.

Students may not enroll under the pass/fail option in the following courses:

- Those taken to satisfy the second-language or first-year composition requirements.

- Those in the student's major, minor or certificate program.
- Those counted toward or required to supplement the major.
- Those counted as 499 Individualized Instruction.
- Those taken for honors credits.
- Those counted toward satisfying the College of Liberal Arts and Sciences graduation requirements or the General Studies requirement.

Audit Grade Option

Students may choose to audit courses in which they attend regularly scheduled class sessions but earn no credit. Students should obtain instructor approval before registering for the courses.

Note: This grade option may not be changed after the drop/add period.

Degree Requirements

College Graduation Requirements

All students in the College of Liberal Arts and Sciences must complete the university General Studies requirement as well as all requirements in their majors. In addition, the college has established requirements that are specific to the B.A., B.S. and B.S. in planning.

A. Bachelor of Arts. Each student pursuing a B.A. in the college must demonstrate intermediate proficiency in a second language by completing the courses specified below with a grade of "C" (2.00) or higher in each course. Second-language course requirements may be fulfilled in one of the following ways:

4. Completion of second-language course work at the intermediate level (202 or equivalent). Those students completing this requirement in Ancient Greek must take GRK 301 and 302; students completing the requirement in Portuguese or Romanian must complete POR 314 or ROM 314.
5. A foreign language course at the 300 level or higher taught in the foreign language and having 202 or its equivalent as a prerequisite.
6. Demonstrated completion of secondary education at a school in which the language of instruction is not English.
7. Completion of SHS 202 American Sign Language IV or its equivalent.

B. Bachelor of Science. Each student pursuing a B.S. or B.S. in planning in the college must complete six credit hours (two courses) of Science and Society courses. Students should consult an advisor in the department or school of their major for a list of appropriate courses. The current list of Science and Society courses is also listed on the college's website at <http://clas.asu.edu/scienceandsociety> [4].

C. All students are required to take a minimum of MAT 117 or higher, excluding MAT 194 and any 1-semester hour math courses. A grade of "C" (2.00) or higher must be earned in the chosen mathematics course.

D. Each student admitted as a first-time freshman is required to complete a freshman success course or first-year seminar. These courses are designed to introduce students to the college and help them gain understanding of what they will need to be successful students at ASU. Topics include academic success, academic integrity and student engagement.

Major Requirements

Each student is required to select a major from among the fields of study offered by the College of Liberal Arts and Sciences. The requirements for completion of the major are described under departmental listings.

A. The department of the major may require up to 45 credit hours of course work. The minimum is 30 hours. A maximum of 15 additional hours may be required in related courses and prerequisites. No more than 60 credit hours of course work may be required to complete the major, related courses and prerequisites. Some departments require calculus-level mathematics; up to five

of these credit hours may be excluded from the 60-hour maximum because they satisfy the mathematics proficiency requirement. A minimum of 12 upper-division hours in the major must be taken in residence (from courses offered by the College of Liberal Arts and Sciences).

B. No credit is granted toward fulfilling major or minor requirements in any upper-division course in that subject field unless the grade in that course is at least a "C" (2.00). In the College of Liberal Arts and Sciences, the assignment of a grade of "Y" (satisfactory) indicates a level of performance that would have resulted in a grade of at least "C" (2.00) had the normal grading scheme been used.

See the individual departments for other minimum grade requirements.

C. Major fields of study are classified into the following three areas:

Humanities

- Asia Studies.
- Asian Languages (Chinese/Japanese).
- English.
- Film and Media Studies.
- French.
- German.
- History.
- International Letters and Cultures.
- Italian.
- Jewish Studies
- Philosophy.
- Religious Studies.
- Russian.
- Spanish.

Natural Sciences and Mathematics

- Biochemistry.
- Biological Sciences.
- Chemistry.
- Computational Mathematical Studies.
- Earth and Environmental Sciences.
- Earth and Space Exploration.
- Mathematics.
- Microbiology.
- Molecular Bioscience/Biotechnology.
- Physics.
- Psychology.
- Speech and Hearing Science.

Social Sciences

- African and African American Studies.
- American Indian Studies.
- Anthropology.
- Applied Mathematics for the Life and Social Sciences.
- Asian Pacific American Studies.
- Communication.
- Economics.
- Family and Human Development.

- Geography.
- Global Health.
- Global Studies.
- Justice Studies.
- Political Science.
- Sociology.
- Transborder Chicana/o and Latina/o Studies.
- Urban Planning.
- Women and Gender Studies.

General Electives

Most liberal arts and sciences majors can meet all the above requirements with fewer than the 120 credit hours required for graduation. Remaining hours are general electives that may be selected from any of the departments of the College of Liberal Arts and Sciences and from the offerings of the other colleges.

Reinstatement/Readmission

Students in the College of Liberal Arts and Sciences who were academically disqualified from the university must earn readmission to the College of Liberal Arts and Sciences. That process most generally entails taking a minimum of 12 credit hours of courses that are preapproved by the student and academic programs office at a community college, earning a minimum 3.00 GPA while not receiving any grade lower than a "C" (2.00). In order to learn what is required of the individual, students must schedule an appointment by calling 480-965-6506. Enrolling and completing courses not preapproved by the student and academic programs office may result in a denial of readmission to the college, no matter how well the student has performed.

A student who was additionally off track for two semesters and who was disqualified from the university or who left on probation will not be able to be readmitted to the former major, but must choose another major for which to attempt to earn reinstatement. Please note some departments do not allow students who have been disqualified to be readmitted to their majors. For more information, call 480-965-6506.

Other Special Requirements

Some of the major degree programs offered by the College of Liberal Arts and Sciences require students to complete a portfolio process before being permitted to take upper-division classes in their majors. Students should check with the departments or schools of their majors to see if there are any such policies that apply to them. Some major degree programs require a student to study abroad, which students should understand up front.

Graduate Policies

Please consult the individual school or department for information about requirements for graduate study.

Source URL: https://catalog.asu.edu/policies/liberal_arts

Links: [1] <http://provost.asu.edu/academicintegrity> [2] <http://eadvisor.asu.edu/> [3] <http://clas.asu.edu/departmentadvisors> [4] <http://clas.asu.edu/node/204>

New College of Interdisciplinary Arts and Sciences Policies

Undergraduate Policies

Degree Requirements

All candidates for graduation in the B.A. and B.S. curricula are required to present at least 120 credit hours, of which at least 45 credit hours must consist of upper-division courses. A minimum cumulative GPA of 2.00 is required for graduation.

It is the student's responsibility to be aware of the degree program requirements and to select courses accordingly.

To graduate, a student must satisfy three requirements:

- College proficiency requirements for language and cultures and mathematics.
- University first-year composition and General Studies requirements.
- Major requirements that involve concentrated course work in one program.

Proficiency Requirements

Each student is required to demonstrate proficiency in the analysis of language and cultures and mathematics by passing an examination or by completing the courses specified below with a grade of "C" (2.00) or higher in each course.

Students considering graduate work after completion of a bachelor's should consult with faculty advisors regarding language requirements in their intended areas of study.

Language and Cultures

This requirement may be satisfied through one of the following:

- Completion of secondary education at a school in which the language of instruction is not English.
- Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.
- Completion of upper-division course(s) taught in a foreign language, taken in the United States or the relevant country.
- Completion of six credit hours of upper-division courses that have a global awareness (G) or cultural diversity in the U.S. (C) designation, in addition to the courses used to meet the university General Studies requirements.
- Completion of two sequential semesters of course work in a current computer language. Contact the college advising office for information on applicable course work.

Mathematics

MAT 142 or any MAT course for which MAT 117 or a higher-level MAT course is a prerequisite.

Major Requirements

Each student is required to select a major from among the programs offered by the New College of Interdisciplinary Arts and Sciences.

The major program may require up to 45 credit hours of course work. The minimum is 30 hours. A maximum of 18 additional hours may be required in related courses and prerequisites. No more than 63 credit hours of course work may be required to complete the major, related courses and prerequisites.

No credit is granted toward fulfilling major or minor requirements in any upper-division course in the subject field of the major unless the grade in that course is at least a "C" (2.00). Normally a "Y" (satisfactory) grade needs confirmation that it is equivalent to a "C" (2.00) or higher.

General Electives

After the three requirements have been satisfied, the remainder of the minimum 120 credit hours required for graduation are general electives. Contact college advisors for assistance in selecting elective courses.

Source URL: https://catalog.asu.edu/policies/new_college

Nursing and Health Innovation, College of

Students interested in the prelicensure nursing programs, including the Traditional Prelicensure Clinical Nursing Program, the post-baccalaureate B.S.N. and the Concurrent Enrollment Program may contact the Undergraduate Student Academic Services Office at 602-496-0888 to obtain the most current information on college policies. Because of changing resources regarding clinical experiences, the criteria used to determine how spaces will be assigned to these programs are subject to change.

Undergraduate Policies

Academic Integrity

Academic honesty is expected of all students in all examinations, papers, academic transactions and records. The possible sanctions include, but are not limited to, appropriate grade penalties, loss of registration privileges, disqualification and dismissal. The College of Nursing and Health Innovation adheres to the Student Code of Conduct regarding academic dishonesty. A copy of the Student Code of Conduct may be obtained online at <https://provost.asu.edu/academicintegrity> [1]. Academic dishonesty is not tolerated in any course and is subject to specific College of Nursing and Health Innovation policies and procedures.

Review the College of Nursing and Health Innovation undergraduate student handbooks for additional information regarding college policies. The handbooks are located at <https://nursingandhealth.asu.edu/students/forms> [2].

Academic Standing

University standards for academic good standing are followed for all majors in the college. Students who do not maintain the minimum GPA after each fall or spring semester are placed on academic probation. Students on academic probation or continuing probation must meet with an academic advisor before registering for the subsequent semester. Students placed on academic probation have one semester to raise the cumulative or semester GPA to meet the academic good standing criteria; otherwise, these students may be disqualified or determined to be ineligible for the majors in this college. Disqualified students are not permitted to enroll for the fall or spring semesters.

Sun Devil Tracking focuses on students who initially enroll as full-time freshmen and tracks progress during their first four semesters. It identifies and outlines the critical courses, GPA requirements and milestones that predict success in each major. Students use major maps and progress reports to plan what courses to take each semester.

Students who do not meet critical requirements are notified they are off track, and off-track status is displayed on My ASU student pages. Off-track students are required to see an academic advisor before registering for or adding classes. Students off track for two consecutive semesters may be required to change majors.

Students pursuing the R.N. – B.S.N, the post-baccalaureate B.S.N. or the Concurrent Enrollment Program are not critically tracked.

Advising

Academic advising is an essential aspect of the educational experience and is provided by the college through the Undergraduate Student Academic Services Office and the graduate programs offices. Academic advisors assist students with program planning, registration, preparation of petitions, verification of graduation requirements, referrals to university and community resources and career planning. ASU accepts course work transferred from other accredited institutions and then the College of Nursing and Health Innovation determines if and how the courses will be applied.

The Undergraduate Student Academic Services Office is committed to ensuring that students reach their academic goals and graduate in four years by monitoring student progress, providing academic resources and using personalized tools to advise students and help ensure they get off to a good start and stay on track toward graduation. Students can monitor their progress with the Sun Devil Tracking site at <https://eadvisor.asu.edu/whatisadvisor/tracking> [3]; the eAdvisor academic success resources at <https://eadvisor.asu.edu/node/19> [3]; and with personalized tools at <https://eadvisor.asu.edu/whatisadvisor/tools> [4].

Student responsibilities include following university guidelines regarding submission of transcripts from all colleges other than ASU, obtaining the necessary signatures or computer verifications required by the university and following university procedures for matriculation. It is ultimately the responsibility of each student to fulfill academic and program requirements.

Mandatory Advising: All freshmen and new undergraduate transfer students are required to meet with an academic advisor before registering for courses. Students with academic probationary status and off-track students are required to meet with an academic advisor to plan strategies for improving academic standing. Students interested in transferring to the prelicensure nursing program must attend a B.S.N. information session before a one-on-one academic advising appointment will be scheduled. Information session information is located at <http://nursingandhealth.asu.edu/programs/nursing/undergraduate/bsn/info-bsn.htm> [5].

Credit/Registration

Course Load: Students wishing to register for more than the maximum allowable credits in a term must petition the standards committee and must obtain an approved overload before registration (search [6] for Undergraduate Standards Committee Petition on the main ASU Web page). All prerequisite courses for the nursing programs must be taken for a letter grade. All upper-division nursing courses will be taken for a grade except for selected clinical courses in the prelicensure program that are taken for "P&" (pass) or "Y" (satisfactory).

Students wishing to pursue concurrent degrees must petition the University Standards Committee.

Degree Requirements

Applicants who have an associate degree in nursing or a nursing diploma and have or will soon have their R.N. license must apply to the Online R.N. - B.S.N. program at <http://asuonline.asu.edu/> [7]. Admission standards for the Online R.N. - B.S.N. program are the same as university admission requirements, which can be found at <http://students.asu.edu/admission> [8].

Admission requirements to the Traditional Prelicensure Clinical Nursing Program are more rigorous and students must provide a second major choice when applying. Some entering freshmen will be directly admitted to the nursing major. Other students may be admitted to their second choice and may then compete for space in the nursing program. If there are available seats in the Traditional Prelicensure Clinical Nursing Program after placing admitted nursing students, a competitive application process will be used to fill those spaces. Spaces will be given to those students with the highest advancement score.

Students interested in the post-baccalaureate B.S.N. or the Concurrent Enrollment Program should apply to the Health Sciences/Healthy Lifestyles Coaching major for admission and may then have the major changed to nursing, if eligible.

Students in the clinical nursing programs must earn grades of "C" (2.00) or higher in all nursing course work except in nursing practice courses where a designation of a "Y" (satisfactory) or "P" (pass) grade is required. In addition, students are allowed only one nursing course failure (i.e., grade below "C"). The second failure in a nursing course will result in disqualification from the nursing major.

Arizona State Board of Nursing Requirement: Once students have earned the B.S.N., they must pass a national licensing examination, known as the NCLEX-RN, in order to obtain a nursing license. Arizona State law prohibits an individual convicted of a felony from applying for nursing licensure or certification until five years after the date of absolute discharge of the sentence. Application for and passage of the NCLEX-RN is the sole responsibility of the student.

Students who have completed one or more semesters in an upper-division, accredited, baccalaureate school of nursing are highly unlikely to transfer into clinical nursing programs with advanced standing.

Reinstatement/Readmission

Disqualified or ineligible students who have skipped a fall or spring semester must follow the procedures for readmission. See Readmission to the University at <https://students.asu.edu/readmission> [9].

Applications for reinstatement/readmission to nursing are subject to rigorous requirements that reflect admission and progression standards.

Other Special Requirements

Students in clinical nursing programs that require working in hospitals or with vulnerable populations must meet additional requirements as follows:

Titers/Immunizations

Measles, Mumps & Rubella (MMR): Students must provide proof of immunity through positive titer results for Rubella and Rubeola.

Varicella (Chicken Pox): Students must provide proof of immunity through positive titer results. A history of chicken pox does not constitute proof of immunity. Two vaccinations may be required.

Hepatitis B: Three doses of Hepatitis B are required. Students may also provide immunity through positive titer results.

Tetanus/Diphtheria: Students must provide proof of receiving a tetanus/diphtheria immunization within the last ten years. Students are required to keep this immunization current throughout the advancement consideration process and when enrolled in the Traditional Prelicensure Clinical Nursing Program.

Tuberculin Skin Test (TB): Students must provide proof of a TB skin test taken within the last 12 months, with negative results. Students with positive TB skin test results must follow up with their health care providers for assessment and follow-up treatment, if needed. Treatment must be initiated prior to enrollment in the Traditional Prelicensure Clinical Nursing Program; TB skin test results must be valid through the first semester of the program, and negative TB skin test or evidence of follow-up treatment is required every 12 months while participating in the program.

Supplemental Materials: The requirements specified in this section affect student ability to progress in the Traditional Prelicensure Clinical Nursing Program course work, eligibility for clinical placement and to ultimately to be licensed as an R.N.

Cardiopulmonary Resuscitation (CPR)/Basic Life Support (BLS) Certification: Proof of CPR/BLS Health Care Provider Certification is required. Students are required to keep the CPR/BLS current throughout advancement consideration and when enrolled in the Traditional Prelicensure Clinical Nursing Program.

Level One Fingerprint Clearance Card: Level 1 fingerprint clearance, in the form of a fingerprint clearance card, is required by Arizona State Law to work and care for children, the elderly and vulnerable adults. Fingerprint clearance is determined after a background screening process at the state and federal levels to check for criminal records. Students must have a valid, unrestricted fingerprint clearance card to advance to and remain in the clinical nursing programs. Students with concerns about a restriction may call the Arizona Department of Public Safety at 602-223-2279.

Federal- and State-level Background Screening: Students must have an unrestricted security background check to advance to and remain in clinical nursing programs.

Drug Screen and Nicotine Testing: All students clinical nursing programs will be required to complete a drug screen. Results of the drug screen must be negative. Dilute specimens are considered positive. Students will also be tested for nicotine, however, the presence of nicotine will not restrict enrollment in clinical course work but will affect the clinical placements while in the program

Lawful Presence: The college follows the Arizona State Board of Nursing policy regarding lawful presence in the United States. "On January 2, 2008, ARS 1-504 (HB2467) was implemented by the Board requiring ALL applicants to provide the Board with satisfactory documentation demonstrating the applicants' citizenship, alien status, legal residency or lawful presence in the United States" (<http://www.azbn.gov/Documents/Newsletters/2008/Journal%201st%20Quarter%202008.pdf> [10], page 23).

R.N. Licensure: Students completing the B.S.N. are eligible to sit for the NCLEX-RN. However, legislation regarding the Arizona State Board of Nursing prohibits an individual convicted of a felony from applying for licensure or certification until five years after the

date of absolute discharge of sentence. This means that all court-ordered terms of probation or parole must be completed at least five years prior to the date of application for nurse licensure. Each case is considered by the Arizona State Board of Nursing on its own merits. The elapse of five years does not guarantee licensure or certification — it simply permits the submission of an application and board consideration. In addition, the Arizona State Board of Nursing may deny any application for a license if the applicant has committed any acts of unprofessional conduct. See the Arizona State Board of Nursing website at <http://www.azbn.gov> [11].

Required Clinical Experiences: Clinical hours vary with facility placement and may include 12-hour blocks of time, weekends and evenings. Flexibility is required since there are a limited number of available clinical sites for student experiences. Students must have the ability to utilize written, verbal and computerized communication with faculty, peers and other health care professionals. Students are expected to demonstrate the ability to think critically and apply nursing knowledge to clinical situations. Students are also required to accept professional supervision from faculty and designated staff and effectively integrate feedback into practice.

Equal Access: The college is committed to making learning experiences accessible and inclusive for all students, including those with an identified disability or disabling condition. In compliance with the ASU policy on Students with Disabilities USI 702-02, <http://www.asu.edu/aad/manuals/usi/usi701-02.html> [12], every effort will be made to accommodate students with special needs to find cost effective methods to address the identified student condition and serve the needs of the patients. Accommodations may include resources and assistive aids for those students with cognitive and perceptual disabilities, specialized equipment for hearing or vision deficits, and modifications to the physical environment or clinical hours. Students with disabilities are required to document their condition with the Disability Recourse Center upon admission to the college and to be key participants in identifying their needs. The college will provide reasonable and appropriate accommodations for any student who has documented a disability or disabling health condition.

Graduate Policies

Academic Advising: Prospective graduate students may receive information through the Graduate Program Office of the college. Advisor contact information is available at <https://nursingandhealth.asu.edu/advising/nursinggrad.htm> [13]. Upon admission, each student is assigned a faculty advisor/mentor within the degree/certificate program or area of concentration.

Review the student handbooks for the College of Nursing and Health Innovation for information regarding graduate academic procedures and protocols:

Graduate Student Handbook (<https://nursingandhealth.asu.edu/files/students/handbooks/nursing-grad.pdf> [14])

Ph.D. Student Handbook (<https://nursingandhealth.asu.edu/files/students/handbooks/phd.pdf> [15])

Source URL: <https://catalog.asu.edu/policies/nursing>

Links: [1] <https://provost.asu.edu/academicintegrity> [2] <https://nursingandhealth.asu.edu/students/forms> [3]

<https://eadvisor.asu.edu/whatisadvisor/tracking> [4] <https://eadvisor.asu.edu/whatisadvisor/tools> [5]

<http://nursingandhealth.asu.edu/programs/nursing/undergraduate/bsn/info-bsn.htm> [6]

<https://nursingandhealth.asu.edu/node/775> [7] <http://asuonline.asu.edu/> [8] <http://students.asu.edu/undergraduate-admission> [9] <https://students.asu.edu/readmission> [10]

<http://www.azbn.gov/Documents/Newsletters/2008/Journal%201st%20Quarter%202008.pdf> [11] <http://www.azbn.gov> [12]

<http://www.asu.edu/aad/manuals/usi/usi701-02.html> [13] <https://nursingandhealth.asu.edu/advising/nursinggrad.htm> [14]

<https://nursingandhealth.asu.edu/files/students/handbooks/nursing-grad.pdf> [15]

<https://nursingandhealth.asu.edu/files/students/handbooks/phd.pdf>

Public Programs, College of Undergraduate Policies

Academic Standing

Students in the College of Public Programs are considered to be in good standing for the purpose of retention if they maintain a cumulative GPA of 2.00 or higher in all courses taken at ASU. Each major within the College of Public Programs requires a

progressively higher GPA than 2.00 as a student advances toward their degree. These requirements are outlined in the student's major map.

Probation

Any student who does not maintain good standing is placed on academic probation. A student on academic probation is required to observe any limitations or rules the college may impose as a condition for retention.

Disqualification

A student who is on probation becomes disqualified if:

- The student has not returned to good standing.
- The student has not met the required semester GPA.

Disqualification is exercised at the discretion of the college and becomes effective on the first day of the fall or spring semester following college action. A disqualified student is notified by the Office of the Registrar or the dean of the college and is not allowed to register for a fall or spring semester at the university until reinstated. A student who is disqualified may not attend as a nondegree student.

Advising

The following categories of students are required to receive advising and be cleared by a program advisor before they may register for classes:

- Students with admission competency deficiencies.
- All freshmen.
- Transfer students in the first semester at ASU.
- Readmitted students.
- Students on probation.
- Students who have been disqualified.
- Students with special admission status.
- All students majoring in social work.

Credit/Registration

Course Load

A normal course load per semester is 15 or 16 credit hours. The maximum number of hours for which a student can register is 18 credit hours unless an overload petition has been filed and approved by the department/school standards committee and the academic and student affairs committee of the college. Semester course loads may be further limited for students in mandatory advising. Petitions for overload are not ordinarily approved for students who have a cumulative GPA less than 3.00 and who do not state valid reasons for the need to register for the credits. Students who register for credit hours in excess of 18 and do not have an approved overload petition on file may have courses randomly removed through an "administrative drop" action. Specific degree requirements are explained in detail under the respective college, school and department sections.

Reinstatement/Readmission

Students seeking reinstatement after disqualification should contact the College of Public Programs Student Services Office regarding procedures and guidance for returning to good standing. When reinstatement includes readmission, application must be made through the ASU readmissions process. All academic disciplinary action is the function of the College of Public Programs

Student Services Office, UCENT 650, under the direction of the dean of the college. Students having academic problems should call this office for advising at 602-496-0600.

The mission of the College of Public Programs professional academic advising staff is to assist students in developing meaningful educational plans to meet their academic, career and personal goals in an ongoing process of evaluation and clarification. The advisors strive to perform their duties in a professional, ethical, confidential, accurate and supportive manner, respecting student diversity and needs and always holding the individual in highest regard. The student and advisor should accomplish this process in a spirit of shared responsibility to develop academic excellence, strong decision-making skills and self-reliance. A student who has been admitted to the College of Public Programs is assigned an academic advisor from the academic unit of the student's major area of study. Questions about advising should be directed to the student's academic advisor or to the College of Public Programs Student Services Office, UCENT 600.

Other Special Requirements

Interdisciplinary Public Service Requirement

The College of Public Programs has a college-level graduation requirement for all undergraduate students majoring within the college. This degree requirement is called the interdisciplinary public service requirement. Each student must complete 13 hours of public programs course work. These 13 hours will consist of courses from other public programs degrees within the College of Public Programs and ASU 101. Students may choose a core course from their major and three courses from the approved course list for this requirement in addition to completing ASU 101. ASU 101 must be completed in the first year at ASU; the other courses can be taken while completing the degree. The approved course list is available through the advisor for the major. All 13 hours must be completed in order for an undergraduate student to graduate from the College of Public Programs. Questions about this requirement should be directed to the academic advisor for the major.

Graduate Policies

Advising

Advising is usually handled by graduate faculty or a committee. Once admitted, each student is typically assigned a temporary faculty advisor in the potential areas of specialization; this advisor assists in planning a course of study. For those degree programs requiring the completion of a thesis, a chair and thesis supervisory committee are selected by the director of graduate studies, in consultation with the student and appointed by the dean of the Graduate College.

Source URL: https://catalog.asu.edu/policies/public_programs

Sustainability, School of Undergraduate Policies

Academic Standing

Student Responsibilities Students need to make many decisions as they complete their degrees. While the school and the university have a number of resources available (e.g., faculty, courses, advisors and tutors) to help in making the decisions, students are expected to take responsibility for their decisions.

Good Standing Students in the School of Sustainability are considered in good standing for the purpose of retention if they 1) maintain a cumulative GPA of 2.00 or higher in all courses taken at ASU, and 2) maintain critical requirements within their major.

Critical Requirements All sustainability students must meet the critical requirements for their intended majors. Students who do not comply with the critical requirements are off track and will have holds placed on their records. They will have to meet with their advisors to have their holds removed. Further registration in their intended majors may not be permitted for those students who still do not meet all critical requirements in the following semester. .

Probation Any student who does not maintain a cumulative GPA of 2.00 or higher in all courses taken at ASU is placed on academic probation. Probation status for academic reasons begins on the first day of classes of the semester after the semester in which a student has been determined to be on probation. A student on academic probation is required to observe any limitations or rules the school may impose as a condition for retention. Before a student on probation can register for classes in the next semester, he or she must receive advising in the department.

Disqualification Students who do not meet probation requirements are subject to disqualification. Disqualified students will not be able to register for classes in the fall or spring semester at the university. Registrations will be canceled for students who have already registered for future fall or spring semesters. Disqualified students may apply for reinstatement through the school.

Advising

The School of Sustainability's Academic Advising Center assists undergraduate and graduate students in achieving their personal, educational, cultural and career goals while becoming self-directed, lifelong learners. The school encourages continuing students to meet with their advisors at least once each semester. New students will be required to meet with their advisors before being cleared to register for classes. Office hours are Monday through Friday (excluding university holidays), 9 a.m. to 4 p.m. Students should call in advance (480-727-6963) to make their appointments, so advisors can set aside the appropriate time to answer all their questions.

Degree Requirements

School Graduation Requirements

All students in the School of Sustainability must complete the university General Studies requirement as well as all requirements in their majors. In addition, the school has established requirements that are specific to the B.A. and B.S.

- ASU 101 requirement: ASU 101 SOS: The ASU Experience. (1)
- Statistics requirement: STP 226 Elements of Statistics, CS (3) or additional statistics course options as approved by the school.
- Foreign language requirement.

Foreign Language Requirement

Bachelor of Arts: Any student pursuing a B.A. in the School of Sustainability must demonstrate intermediate proficiency in a second language by completing the courses specified below with a grade of "C" (2.00) or higher in each course. Second-language course requirements may be fulfilled by one of the following:

- Completion of second-language course work at the intermediate level (202 or equivalent; those students completing this requirement in Ancient Greek must take GRK 301 and 302; students completing the requirement in Portuguese or Romanian must complete POR 314 or ROM 314).
- A foreign language course at the 300 level or higher taught in the foreign language and having 202 or its equivalent as a prerequisite.
- Completion of secondary education at a school in which the language of instruction was not English.

Bachelor of Science: Any student pursuing a B.S. in the School of Sustainability must demonstrate intermediate proficiency in a second language by completing the courses specified below with a grade of "C" (2.00) or higher in each course. Second-language course requirements may be fulfilled by one of the following:

- Completion of second-language course work at the introductory level (102 or equivalent).
- A foreign language course at the 200 level or higher taught in the foreign language and having 102 or its equivalent as a prerequisite.
- Completion of secondary education at a school in which the language of instruction is not English.

The School of Sustainability also requires a cumulative 2.50 GPA in all major courses in order to graduate with a B.A. or B.S. in sustainability.

Concurrent Degrees

Students who wish to obtain concurrent degrees must realize there are certain combinations that would not be approved because there is too great an overlap between the courses required for each major. For example, students may not pursue a B.A. or B.S. in sustainability as well as a B.A. in business with a concentration in sustainability.

Reinstatement/Readmission

Students seeking reinstatement (after disqualification) or readmission (after absence from the university) should contact the School of Sustainability office regarding procedures and guidance for returning to good standing. When reinstatement includes readmission, application must be made through the ASU readmission process.

Graduate Policies

Graduate students should refer to the School of Sustainability Graduate Handbook at <http://schoolofsustainability.asu.edu/graduate/> [1] for information about graduate policies and academic standards.

Please contact the school for more information at schoolofsustainability@asu.edu [2] or 480-727-6963.

Source URL: <https://catalog.asu.edu/policies/sustainability>

Links: [1] <http://schoolofsustainability.asu.edu/graduate/> [2] <mailto:schoolofsustainability@asu.edu>

Teachers College, Mary Lou Fulton

Mary Lou Fulton Teachers College prepares students to address the local and global challenges of improving education by becoming the next generation of teachers, educational researchers, scholarly practitioners, principals, policy makers and other educational leaders. Through rigorous and innovative undergraduate programs, Teachers College prepares new teachers through programs at schools around the state and on all ASU campuses. A student who possesses a bachelor's in another field may become a teacher through the graduate program in which he or she earns a master's and state certification. The college's doctoral programs prepare future educational researchers and future scholarly practitioners through study and practice with outstanding faculty. Online programs in some programs make both undergraduate and graduate course work available at a distance. Teachers College graduates can be found in some of the finest research universities in the world as well as in schools in a wide array of communities, from inner-city neighborhoods to Native American reservations. Additionally, Teachers College graduates can be found in nonprofit organizations, government agencies and many other fields that benefit from being informed by educational research and practice.

Mary Lou Fulton Teachers College programs are offered at the Downtown Phoenix, Polytechnic, Tempe and West campuses and online. Traditional, online, evening, weekend and accelerated courses are offered.

Undergraduate Policies

Academic Integrity

Students in the Mary Lou Fulton Teachers College who do not exhibit integrity and professional behaviors in the classroom or when in the field are referred to the college administration for disciplinary action. Please refer to the Student Academic Integrity Policy for more information: <http://provost.asu.edu/academicintegrity>. [1]

Academic Standing

To be in good standing in the Mary Lou Fulton Teachers College, students must maintain an overall cumulative GPA of 2.50 or higher with at least a "C" (2.00) grade in all education courses and must complete the courses as outlined. Students in the professional program will be formally reviewed regarding their academic progress and professional attributes in order to determine retention and continuation status. Students with records containing indicators of professional or academic concerns will be placed on probation, suspension or permanently removed from their programs.

Advising

The Office of Student Services is dedicated to providing students with the very best academic support and guidance throughout their academic programs. Academic program advisors provide assistance selecting classes and in fulfilling program requirements. Each ASU campus has dedicated academic advisors trained on all Teachers College programs.

See <http://education.asu.edu/content/student-services-contact-information> [2] for advising locations and contact information.

Students are encouraged to meet with their advisors every semester.

Credit Registration

Students are limited to a maximum of 18 credit hours per term. Enrollment in additional credit hours requires college academic advisor approval.

Audit: Teachers College students are permitted to audit any non-iTeachAZ course. Additional university fees are assigned to courses when the audit option is chosen.

Course Prerequisites: Enrollment in upper-division iTeachAZ course work requires approval from the Teachers College. Review current course descriptions for course prerequisites.

Incomplete Grades: Incomplete grades will only be issued if a student is in good standing in the course and experiences an extenuating occurrence just prior to the end of the term. Non-iTeachAZ courses must be completed one calendar year from the initial grade assignment. Students enrolled in the professional program must complete "I" grades before the start of student teaching.

Pass/Fail: Field experience and student teaching courses are evaluated on a pass/fail grading system. A "Y" grade is assigned to a passed course and an "E" grade is assigned to a failed course. Only the "E" grade will be computed in the ASU cumulative GPA.

Transfer: Students may transfer a maximum of 64 credits from two-year institutions. There is no limit to the number of credits transferred from four-year institutions. Students interested in substituting previous teacher preparation courses for current professional program Teachers College courses must submit the Petition for Adjustment of Requirements to the Office of Student Services at their chosen campuses.

Any transfer student who is interested in starting iTeachAZ must submit an online form, have a 2.50 cumulative GPA, completion of 60 credit hours and fulfill specific course requirements as outlined by each education major. Students who complete the Associate of Arts in Elementary Education, Transfer Admission Guarantee and Maricopa-ASU Pathways Program will meet the requirements for progression into the professional program.

Withdrawal: Review the current university withdrawal procedures at <http://students.asu.edu/withdrawal> [3].

Degree Requirements

Students who begin at ASU as freshmen will follow the major maps for their chosen programs. The major map is an outline that students follow each term for enrollment. Students who have attended only ASU are reviewed at the completion of each term to ensure that they are on track for graduation. Transfer students must attend an advising session and will learn the degree requirements as well as minimum eligibility requirements for progression into the professional program (iTeachAZ). Students must fulfill field experience, student teaching and/or service learning requirements as part of degree completion. The goal of iTeachAZ is to produce teachers of the highest quality. Mary Lou Fulton Teachers College is committed to providing support and resources for those students needing assistance for their academic or professional growth.

Students are evaluated throughout iTeachAZ in accordance with the Mary Lou Fulton Teachers College Retention and Continuation Policy. Students in the program will be formally reviewed regarding their academic progress and professional attributes in order to determine retention/continuation status. Students with records that contain indicators of professional or academic concerns will be placed on probation, suspension or permanently removed from their programs. Students enrolled in undergraduate education programs are expected to maintain academic standards. To be in good standing, students must maintain an overall cumulative GPA

of 2.50 or higher with at least a "C" (2.00) grade in each undergraduate education course. In addition to academic progress, students are evaluated regarding professional attributes. Refer to www.education.asu.edu [4] for more information.

Unless the student has been permanently removed from the program, she or he must participate in the development of a professional improvement plan, which establishes the requirements for continuation in the program. The plan lists areas of concern and action steps necessary to improve the targeted behaviors. Students placed on a plan of improvement, probation or suspension, for any reason, are subject to disqualification by the Mary Lou Fulton Teachers College at the end of the following semester if the conditions imposed for reinstatement are not met. Students placed on a plan of improvement, probation or suspension, for any reason, are evaluated at the end of the following semester. Students demonstrating behaviors or characteristics that make it questionable whether they can succeed in the teaching profession may be disqualified or prescribed specific conditions under which continued participation is permitted; that is, probation or suspension even if they meet the minimum academic performance as measured by GPA.

Students who wish to appeal decisions of the Mary Lou Fulton Teachers College of the Student Issues Committee may do so in writing to the associate dean of student affairs and communications for Teachers College. Any exceptions to the retention and disqualification policies and procedures must be approved by the Mary Lou Fulton Teachers College Student Issues Committee and the associate dean for the college. Refer to the Retention and Continuation Policy for additional information.

Reinstatement/Readmission

Students may reapply, and their admission will be reviewed on a case-by-case basis.

Other Special Requirements

Fingerprint Clearance Card: All students in iTeachAZ must participate in field experiences and student teaching. Students participating in field experience must have proof of their fingerprint clearance cards on file in the Office of Student Services before progression into their programs. Effective Jan. 1, 2008, per Arizona State Statute A.R.S. § 15-106, all teachers and persons who are required to be fingerprinted to work in the classroom are required to have identity verified prints fingerprint clearance cards.

Milestones: Every student admitted to iTeachAZ will be assigned a milestone that reflects his or her major academic plan. The milestone is used for enrollment in upper-division courses.

Intent to Progress: All students who start at ASU as first-time freshmen must submit their intent to progress forms to the Office of Student Services during term three, before beginning the program in term five.

Graduate Policies

Academic Policies

The college offers master's and doctoral programs as well as graduate certificates. Some programs also allow students to obtain state or professional certification.

General career advising in a program can be obtained by contacting a faculty member or coordinator of the program. After admission to a degree program, specific advice related to degree requirements and activities is provided by academic advisors in the Office of Student Services. Call 602-543-6358 and ask for the academic advisor for a specific campus or program.

Although programs are offered on all campuses, not all programs are offered on each campus.

Grade appeals

The graduate grade appeal policy is available from academic advisors in the Office of Student Services or on the college website. Students wishing to appeal grades must first discuss the reasons with the course instructors. Appeals must be filed by the deadline stated in the policy.

Satisfactory Progress Policies

The College Graduate Satisfactory Academic Progress and Professional Conduct Policy is provided to students at the time of enrollment and is available on the College web site. In general, students must maintain a minimum GPA of 3.0 each semester, meet program deadlines, avoid the accumulation of an excessive number of grades of incomplete or withdrawals and adhere to professional responsibilities standards as described in the policy.

Continuous Enrollment and Reentry for Graduate Programs

Once admitted to a graduate program, the student is expected to be enrolled continuously, excluding summer sessions, until all requirements for the degree have been fulfilled. Continuous enrollment promotes steady progress toward the completion of the degree and an ongoing relationship between the student and faculty offering the program. If a program of study must be interrupted for one semester, the student must apply to the Graduate College for a leave of absence not to exceed one semester. An application for leave status, endorsed by the division director or designee, must be approved by the dean of the Graduate College; for a doctoral student, the leave must also be endorsed by the members of the student's supervisory committee. This request must be filed and approved prior to the semester of anticipated absence. Students are also given the option of staying continuously enrolled by paying for one credit of course work. Students may be continuously enrolled by registering for one credit hour of continuing registration; please contact an academic advisor for more details. A student on leave is not required to pay fees, but is not permitted to place any demands on university faculty or use any university facilities. A student who interrupts a program without obtaining an approved leave of absence may be removed from the degree program by the Graduate College, under the assumption the student has decided to discontinue the program. A student removed by the Graduate College for this reason may reapply for admission to the program; the application is considered along with all other new applications to the degree program. Upon return, a student who interrupts his or her progress may need to travel to other ASU campuses to complete the degree.

Graduation Requirement

Candidates for the graduate degrees must satisfactorily complete the particular culminating experience requirements required by the specific programs. Information is available for each program from the Office of Student Services or from faculty advisors.

Master's programs

In addition to the Graduate College policy and procedures that govern graduate programs at ASU and which are provided elsewhere in this catalog, the policies specific to each master's program are provided to students at the time of enrollment in the program. Students are limited to 15 credit hours per semester. Online students are limited to nine credit hours per semester. Exceptions must be approved by the division director. Students who enroll in additional hours may be administratively withdrawn.

Each student in the Induction, Master of Education and Arizona Certification program must hold an Arizona intern teaching certificate and be employed. If either the employment or certificate status changes, the student will be placed in the Masters and Arizona Certification (MAC) program. A MAC student who becomes employed on an intern certificate will be evaluated by the division director and placed in the appropriate classes to complete the degree. In either case, the student's program completion may require extended time.

Master's Lack of Satisfactory Progress Policy

Students in master's programs may be placed on academic probation for reasons stated in the College Satisfactory Progress Policy for failure to maintain standards set by the Graduate College. In addition, students are expected to maintain professional conduct as explained in College Satisfactory Progress Policies. Failure to meet these standards of professional conduct or violations of the student conduct code may result in academic probation, or, for egregious violations, immediate recommendation to the Graduate College for withdrawal.

Doctoral programs

In addition to the Graduate College policy and procedures that govern doctoral programs at ASU and which are provided elsewhere in this catalog, the College Satisfactory Progress Policy applies. Additional information specific to a degree program may be provided, as well, when students first register for the program.

Ph.D. and Ed.D. Lack of Progress Policy

Students in doctoral programs may be placed on academic probation for reasons stated in the College Satisfactory Progress Policy. These include but are not limited to:

- Failing to meet the scholarship requirements of the Graduate College, a GPA of 3.00 (on a 4.00 scale) or failure to meet the scholarship requirements of the particular program.
- Unsatisfactory progress as noted on annual review form by mentor or failure to meet for annual review.
- Unsatisfactory progress due to conduct which violates the university student conduct code or the college Professional Responsibilities as set forth in the College Satisfactory Progress Policy.

In addition to minimum academic requirements and conduct requirements, a student must maintain progress to degree. A student can be recommended to the Graduate College for dismissal from the doctoral program if:

- The student fails to advance to candidacy within five years of the date of program admission.
- The student fails to complete and successfully defend the dissertation within five years of advancing to candidacy.
- The student is on probationary status for two consecutive semesters and is unable to return to good standing by meeting all of the specified conditions for making satisfactory academic progress by the end of the second semester on academic probation.

Additional requirements

Fingerprint Clearance Card: All students enrolling in programs leading to certification must participate in field experiences and student or apprentice teaching. Students participating in field experience must have proof of a fingerprint clearance card on file in the Office of Professional Field Experience before field placement hours begin. Effective Jan. 1, 2008, per Arizona State Statute A.R.S. § 15-106, all teachers and persons who are required to be fingerprinted to work in the classroom are required to have an identity verified prints fingerprint clearance card.

Source URL: <https://catalog.asu.edu/policies/mlftc>

Links: [1] <http://provost.asu.edu/academicintegrity> [2] <http://education.asu.edu/content/student-services-contact-information> [3] <http://students.asu.edu/withdrawal> [4] <http://www.education.asu.edu>

Technology and Innovation, College of Undergraduate Policies

Academic Integrity

Academic honesty is expected of all students in all areas (examinations, papers, academic transactions, records, etc). The possible sanctions include, but are not limited to, appropriate grade penalties, loss of registration privileges, disqualification and dismissal. The College of Technology and Innovation adheres strictly to the Student Code of Conduct regarding academic dishonesty. Copies of the Student Academic Integrity Policy and the Student Code of Conduct may be obtained from your academic advisor or online at <http://provost.asu.edu/academicintegrity> [1].

Academic Standing

For purposes of retention, academic good standing for all students in the College of Technology and Innovation is defined as follows:

Academic Good Standing

Total Hours Earned	Minimum Cumulative GPA
24 or fewer	1.60
25–55	1.75
56 or more	2.00

Probation

A student who does not maintain academic good standing after each fall or spring semester is placed on academic probation. A student placed on academic probation or continuing probation must meet with an academic advisor before registration for the subsequent semester. A student placed on academic probation has one semester to raise his or her cumulative or semester GPA to meet the academic good standing criteria; otherwise, the student may be disqualified.

Disqualification

During a semester on academic probation, a student who fails to meet the retention standards is disqualified. A student who has been disqualified is not permitted to enroll for the fall or spring semester. A student may request a review of the disqualification status by contacting the director of advising and student services in the College of Technology and Innovation.

Advising

New incoming and transfer students should seek advising from an academic advisor in advising and student services. The college requires students to consult an advisor before registering each semester. Advisors should be made aware of any employment obligations or special circumstances that may affect a student's ability to successfully handle a full course load. Students may register for a maximum of 19 credit hours per semester. Any student wishing to take more than the maximum must petition the college's standards committee and have an approval on file before registering for a course overload.

Reinstatement/Readmission

The college does not accept an application for reinstatement until the disqualified student has remained out of the college for at least one semester. Merely having remained in disqualified status for this period of time does not, in itself, constitute a basis for reinstatement. Proof of commitment to higher education is required. For example, the ability to do satisfactory college work in the chosen discipline by completing pertinent courses in the discipline at a community college with higher-than-average grades or satisfactory completion of an internship or work experience with supporting documentation.

Graduate Policies

Advising and Program of Study

The program of study is planned in consultation with an appointed supervisory committee. It is designed for flexibility, permitting the student to select a combination of courses in a technological area and a supporting area to meet individual career goals. A minimum of 33 credit hours is required for the degree program. Of these, a minimum of 15 credit hours must be 500-level courses and part of the approved program. A maximum of 12 hours of course work may be taken from offerings outside the College of Technology and Innovation with approval of the appropriate academic program or department. Programs of study for the M.S.Tech., with an interdisciplinary area of concentration, may have up to but not more than 15 hours of course work drawn from areas outside the College of Technology and Innovation at the discretion of the program or department in which the concentration is administered. A maximum of nine credit hours of appropriate course work completed before admission may be included in the program of study.

Source URL: https://catalog.asu.edu/policies/tech_innov

Links: [1] <http://provost.asu.edu/academicintegrity>

University College

Undergraduate Policies

Academic Integrity

Academic honesty is expected of all students in all examinations, papers, academic transactions and records. The possible sanctions include, but are not limited to, appropriate grade penalties, loss of registration privileges, disqualification and dismissal. University College adheres strictly to the Student Code of Conduct regarding academic dishonesty. A copy of the Student Code of Conduct may be obtained from the student's academic advisor or online at <http://provost.asu.edu/academicintegrity> [1].

Academic Standing

For purposes of retention, academic good standing for all students in University College is defined as follows:

Academic Good Standing

Total Hours Earned	Minimum Cumulative GPA
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24 or fewer	1.60
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25–55	1.75
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56 or more	2.00
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Probation/Disqualification

A student who does not maintain academic good standing after each fall or spring semester is placed on academic probation. A student placed on academic probation or continuing probation must meet with an academic advisor before registration for the subsequent semester.

A student placed on academic probation has one semester to raise his or her cumulative or semester GPA to meet the academic good standing criteria; otherwise, the student may be disqualified. A student who has been disqualified is not permitted to enroll for the fall or spring semester.

Exploratory Status Eligibility

Students may remain designated as exploratory track status until they complete 45 credit hours. Students who have not declared a major by the time they have completed 45 credit hours are placed on administrative hold, which prevents registration for future ASU semesters until they have declared their major.

Degree Requirements

Critical Requirements

All incoming ASU freshmen are required to complete critical tracking requirements that provide a foundation for future study in each field. University College has developed major maps, with critical tracking requirements, that support the exploration of potential majors during a student's first three semesters at the university. Upon admission to ASU, all first-year exploratory students are required to declare an exploratory track in one of four areas:

- Exploratory social and behavioral sciences.
- Exploratory health and life sciences.
- Exploratory humanities and fine arts.

- Exploratory math, physical sciences, engineering and technology.

Each of these tracks is designed to provide students with introductory courses in a field of choice (e.g., introduction to psychology, introduction to environmental design), general studies education and elective courses that reinforce student interests. Each exploratory track is composed of a three-semester major map, culminating in the declaration of a major by no later than the completion of 45 credit hours. Students are required to maintain a GPA that keeps them in good academic standing with the university and allows them to declare the major of their choosing. Major maps for each of these exploratory tracks are available at <https://webapp4.asu.edu/programs/t5/MajorMaps> [2].

Degree requirements

Required Courses

All exploratory students are required to enroll in a UNI 150/250 major and career exploration class each semester the student remains designated as an exploratory track student.

All new freshman exploratory students are required to enroll in the ASU 101 course during their first ASU semester.

Source URL: https://catalog.asu.edu/policies/univ_college

Links: [1] <http://provost.asu.edu/academicintegrity> [2] <https://webapp4.asu.edu/programs/t5/MajorMaps>

Academic Programs List

The following section contains a listing of all program descriptions and requirements that are provided for graduate degrees and certificates, minors, undergraduate certificates and undergraduate degrees. Undergraduate degrees have a corresponding major map that includes the critical requirements, order of courses and grade requirements for that degree. Each undergraduate degree's requirements are outlined on the degree's corresponding major map. The major maps are provided in the final sections of this document.

Graduate Programs

Graduate Degrees and Certificates (Program Descriptions and Requirements)

Business, W. P. Carey School of

- Accountancy, MAcc (BAACCMACC)
- Business Administration (Accountancy), PHD (BAACCTPHD)
- Business Administration (Computer and Information Systems), PHD (BAINFSYPHD)
- Business Administration (Finance), PHD (BAFINANPHD)
- Business Administration (Management), PHD (BAMGMTPHD)
- Business Administration (Marketing), PHD (BAMARKPHD)
- Business Administration (Supply Chain Management), PHD (BASCMPHD)
- Commerce, MS (BACMRMS)
- Economics, PHD (BAECONPHD)
- Global Financial Management, DBA (BAGFMDBA)
- Information Management, MS (BAINFOMS)
- Real Estate Development, MREDev (ARREMRDEV)
- Supply Chain Management (certificate), CERT (BASCMCERT)
- Taxation, MTax (BATAMTAX)
- W. P. Carey MBA, MBA (BACORPMBA)
- W. P. Carey MBA, MBA (BAEVEAMBA)
- W. P. Carey MBA, MBA (BAEVENMBA)
- W. P. Carey MBA, MBA (BAEXECMBA)
- W. P. Carey MBA, MBA (BAFULLMBA)
- W. P. Carey MBA, MBA (BAONLINMBA)
- W. P. Carey MBA, MBA (BASHANGMBA)

Design & the Arts, Herberger Institute for

- Architecture, MArch (ARARCMARCH)
- Art, MFA (HIARTMFA)
- Art (Art Education), MA (FAARTEDMA)
- Art (Art History), MA (FAARTHISMA)
- Art (Digital Technology), MFA (FADIGITMFA)
- Built Environment (Energy Performance & Climate Responsive Architecture), MS (ARENERGYMS)
- Composition, MM (FAMCOMPMM)
- Composition (Interdisciplinary Digital Media and Performance), MM (FADIGITMM)
- Dance, MFA (FADANCEMFA)
- Dance (Interdisciplinary Digital Media and Performance), MFA (FADANDIMFA)
- Design (Arts, Media and Engineering), MSD (ARDESAMMSD)
- Design (Design of Healthcare and Healing Environments), MSD (ARHHEMSD)
- Design (Industrial Design), MSD (ARINDDEMMSD)
- Design (Interaction Design), MSD (ARDSCIMSD)
- Design (Interior Design), MSD (ARINTDEMMSD)
- Design (New Product Innovation), MSD (ARDSCNMSD)
- Design (Visual Communication Design), MSD (ARVCDMSD)
- Design, Environment and the Arts, PHD (HIDEAPHD)
- Design, Environment and the Arts (Digital Culture in Design), PHD (HIENVDPHD)
- Environmental Design/Planning (Healthcare & Healing Environments), PHD (ARENHHEPHD)
- Industrial Design, MID (HIINDMID)
- Interior Architecture, MIA (HIIAMIA)
- Landscape Architecture, MLA (ARLDEMLA)
- Media Arts and Sciences, PHD (FAMASPHD)
- Music (Conducting), DMA (FACONDDMA)
- Music (Ethnomusicology), MA (FAETHNMA)
- Music (Interdisciplinary Digital Media and Performance), DMA (FAINTDDMA)

Music (Music Composition), DMA (FACOMPDMA)
Music (Music Education), PHD (FAMUSEDPHD)
Music (Music History and Literature), MA (FAMHISTMA)
Music (Performance), DMA (FAPERFDMA)
Music Education, MM (FAMUSEDMM)
Music Therapy, MM (FAMTHERMM)
Music Therapy (Clinical Music Therapy), MM (HICMTMM)
Performance (Collaborative Piano), MM (FACPIANOMM)
Performance (Music Theatre/Opera Performance), MM (FAMUTPOMM)
Performance (Performance Pedagogy), MM (FAPPEDMM)
Performance (Performance), MM (FAPERF3MM)
Theatre, MA (FATHEAMA)
Theatre (Directing), MFA (FADIRMFA)
Theatre (Dramatic Writing), MFA (FADRWRMFA)
Theatre (Interdisciplinary Digital Media), MFA (FATHEADMFA)
Theatre (Performance Design), MFA (FAPERDMFA)
Theatre (Performance), MFA (FAPERFMFA)
Theatre (Theatre For Youth), MFA (FAYOUTHMFA)
Theatre (Theatre For Youth), PHD (FAYOUTHPHD)
Theatre (Theatre/Performance Americas), PHD (FAPERAMPHD)
Urban Design, MUD (ARMUDMUD)
Visual Communication Design, MVCD (HIVCDMVCD)

Engineering, Ira A. Fulton Schools of

Aerospace Engineering, MS (ESAEROSPMS)
Aerospace Engineering, PHD (ESAERSPPHD)
Aerospace Engineering (Engineering Education), PHD (ESAEEEDPHD)
Applied Ethics and the Professions (Ethics and Emerging Technologies), MA (LAAEPEETMA)
Biomedical Engineering, MS (ESBIOENMS)
Biomedical Engineering, PHD (ESBIOENPHD)
Chemical Engineering, MS (ESCHEMEMS)
Chemical Engineering, PHD (ESCHEMEPHD)
Civil, Environmental and Sustainable Engineering, MS (ESCIVILMS)
Civil, Environmental and Sustainable Engineering, MSE (ESCIVILMSE)
Civil, Environmental and Sustainable Engineering, PHD (ESCIVILPHD)
Computer Engineering (Computer Systems), MS (ESCENCMS)
Computer Engineering (Computer Systems), PHD (ESCENCPHD)
Computer Engineering (Electrical Engineering), MS (ESCENEMS)
Computer Engineering (Electrical Engineering), PHD (ESCENEPHD)
Computer Science, MCS (ESCOMSCMCS)
Computer Science, MS (ESCOMSCMS)
Computer Science, PHD (ESCOMSCPHD)
Computer Science (Arts, Media and Engineering), MS (ESAMECSMS)
Computer Science (Arts, Media and Engineering), PHD (ESAMECSPHD)
Computer Science (Information Assurance), MCS (ESCSEIMCS)
Computer Science (Information Assurance), MS (ESCSEIAMS)
Computer Science (Information Assurance), PHD (ESCSEIAPHD)
Computer Sciences (Biomedical Informatics), MS (ESCSBIOIMS)
Construction Engineering, MSE (ESCONEMSE)
Construction Management, MS (ESCONSTMS)
Construction Management, PHD (ESCONPHD)
Electrical Engineering, MS (ESEEMS)
Electrical Engineering, MSE (ESEEMSE)
Electrical Engineering, PHD (ESEEPHD)
Electrical Engineering (Arts, Media and Engineering), MS (ESAMEMS)
Electrical Engineering (Arts, Media and Engineering), PHD (ESAMEPHD)
Engineering, MEng (EENGRMENG)
Engineering Science (Enterprise Systems Innovation and Management), MSE (ESIEEMSE)
Engineering Science (Software Engineering), MSE (ESSFEMSE)
Industrial Engineering, MS (ESINDENMS)
Industrial Engineering, PHD (ESINDENPHD)
Materials Science and Engineering, MS (ESMATEMS)
Materials Science and Engineering, PHD (ESENMATPHD)

Mechanical Engineering, MS (ESMEMS)
 Mechanical Engineering, MSE (ESMEMSE)
 Mechanical Engineering, PHD (ESMEPHD)
 Mechanical Engineering (Engineering Education), PHD (ESMEEEDPHD)
 Natural Science (Middle School Science, Technology, Engineering and Mathematics), MNS (GCSTMMNS)
 Nuclear Power Generation (certificate), CERT (ESNPGGRCT)
 Solar Energy Engineering and Commercialization, PSM (ESSEECPSM)
 Sustainable Technology and Management (certificate), CERT (SUSUTECHCE)

Graduate College
 Biological Design, PHD (GCBDSPHD)
 Human and Social Dimensions of Science and Technology, PHD (GCHSDSTPHD)
 Neuroscience, PHD (GCBMENPHD)
 Health Solutions, College of
 Biomedical Informatics, MS (ESBIOINFMS)
 Biomedical Informatics, PHD (ESBMIPHD)
 Exercise and Wellness, MS (ECEXERMS)
 Nutrition, MS (ECHNUTMS)
 Nutrition (Dietetics), MS (ECNTRDMS)
 Physical Activity, Nutrition and Wellness, PHD (ECNUTRIPHD)
 Interdisciplinary Arts & Sciences, New College of
 Communication Studies, MA (ASCOMSTMA)
 Interdisciplinary Studies, MA (ASINTERMA)
 Psychology, MS (ASPGSMS)
 Social Justice and Human Rights, MA (ASJHRMA)
 Journalism & Mass Communication, Walter Cronkite School of
 Journalism and Mass Communication, PHD (CSJMCPHD)
 Mass Communication, MMC (CSMCOMMMC)

Law, Sandra Day O'Connor College of
 Biotechnology and Genomics, LL.M. (LWGENOMLLM)
 Indian Law (certificate), CERT (LWLAWGRCI)
 Juris Doctor of Law, JD (LWJDJD)
 Law, Science, & Technology (certificate), CERT (LWLAWSTCE)
 Laws, LL.M. (LAWLAWSLLM)
 Laws (Global Legal Studies), LL.M. (LAWLGLPLLM)
 Legal Studies, MLS (LWLGSMLEGS)
 Tribal Policy, Law and Government, LL.M. (LWTBLMLAWS)

Letters & Sciences, School of
 Applied Ethics and the Professions (Science, Technology and Ethics), MA (LAAEPSEEMA)
 Behavioral Health, DBH (LSBEVHEDBH)
 Counseling, MC (EDCOUNMC)
 Counseling Psychology, PHD (EDCPSYPHD)
 Global Technology and Development, MS (LSGTDMS)
 Technical Communication, Post-Baccalaureate (certificate), CERT (LSTECGRCT)

Liberal Arts & Sciences, College of
 African Studies (certificate), CERT (LAAFRICACE)
 American Indian Studies (Cultural Resource Revitalization and Sustainability), MS (LAAISCMS)
 American Indian Studies (Indigenous Rights and Social Justice), MS (LAAISIMS)
 American Indian Studies (Tribal Leadership and Governance), MS (LAAISTMS)
 American Indian Studies (Visual and Oral Culture), MS (LAAISVMS)
 American Media and Popular Culture, MAS (LAAMPCMAS)
 Animal Behavior, PHD (LAANBPHD)
 Anthropology, PHD (LAANTHRPHD)
 Anthropology (Complex Adaptive Systems Science), PHD (LAANTHCPHD)
 Anthropology (Museum Studies), MA (LAMUSEUMMA)
 Anthropology (Urbanism), PHD (LAURBPHD)
 Applied Ethics and the Professions (Biomedical and Health Ethics), MA (LAAEPMEMA)
 Applied Linguistics, PHD (EDAPLPHD)
 Applied Mathematics, PHD (LAAPMPHD)
 Applied Mathematics for the Life & Social Sciences, PHD (LAAMLPHD)
 Applied Mathematics for the Life and Social Sciences (Complex Adaptive Systems Science), PHD (LAAMLCPHD)
 Asian Languages and Civilizations (Chinese), MA (LACHINAMA)
 Asian Languages and Civilizations (Japanese), MA (LAJAPANMA)

Asian Studies (certificate), CERT (LAASIANCE)
Astrophysics, MS (LAASTPHMS)
Astrophysics, PHD (LAASTPHPHD)
Atmospheric Science (certificate), CERT (LAATMOSCE)
Audiology, AudD (LAAUDAUD)
Biochemistry, PHD (LABIOCHPHD)
Biology, MS (LABIOMS)
Biology, PHD (LABIOPHD)
Biology (Biology and Society), MS (LABIOSMS)
Biology (Biology and Society), PHD (LABIOSPHD)
Chemistry, PHD (LACHEMPHD)
Communication, PHD (LACOMMOPHD)
Communication Disorders, MS (LACOMDISMS)
Creative Writing, MFA (LACWRITMFA)
East Asian Languages and Civilizations (Chinese), PHD (LAEALCPHD)
English, MA (LAENGLMA)
English (Literature), PHD (LAENLITPHD)
English (Rhetoric, Composition and Linguistics), PHD (LAENRHTPHD)
Environmental Life Sciences, PHD (LAELSPHD)
Environmental Social Science, PHD (LAESSPHD)
Environmental Social Science (Urbanism), PHD (LAESSURPHD)
Evolutionary Biology, PHD (LAEVOPHD)
Exploration Systems Design, PHD (LAESDPHD)
Exploration Systems Design (Instrumentation), PHD (LAESDIPHD)
Exploration Systems Design (Sensor Networks), PHD (LAESDSNPHD)
Exploration Systems Design (Systems Engineering), PHD (LAESDSEPHD)
Family and Human Development, MS (LAFAMHDMS)
Family and Human Development, PHD (LAFAMSCPHD)
French (Comparative Literature), MA (LAFRECLMA)
French (Linguistics), MA (LAFRELINMA)
French (Literature), MA (LAFRELITMA)
Gender Studies, PHD (LAGSTPHD)
Gender Studies (certificate), CERT (LAWSTGRCT)
Geographic Education, MAS (LAGEOEDMAS)
Geographic Information Science (certificate), CERT (LAGEOGISCE)
Geographic Information Systems, MAS (LAGISMAS)
Geography, MA (LAGEOGMA)
Geography, PHD (LAGEOGPHD)
Geological Sciences, MS (LAGEOSCMS)
Geological Sciences, PHD (LAGEOSCPHD)
German, MA (LAGERMMA)
Global Health, MA (LASSHMA)
Global Health, PHD (LASSHPHD)
Global Health (Complex Adaptive Systems Science), PHD (LASSHCPHD)
Global Health (Culture and Health), PHD (LASSHCHPHD)
Global Health (Evolutionary Global Health Sciences), PHD (LASSHEPHD)
Global Health (Urbanism), PHD (LASSHURPHD)
History, MA (LAHISTMA)
History, PHD (LAHISTPHD)
Immigration Studies (certificate), CERT (LAIMMSTUCE)
Infant Family Practice, MAS (LACDEMAM)
Justice Studies, MS (LAJUSSTMS)
Justice Studies, PHD (LAJUSSTPHD)
Liberal Studies, MLSt (LAMLSTML)
Liberal Studies (Film and Media Studies), MLSt (LAFMSML)
Linguistics (certificate), CERT (LALINGUICE)
Marriage and Family Therapy, MAS (LAMFTMAS)
Mathematics, MA (LAMATHMA)
Mathematics, PHD (LAMATHPHD)
Mathematics Education, PHD (LAMTEPHD)
Medieval Studies (certificate), CERT (LAMEDSTCE)
Microbiology, PHD (LAMICROPHD)

Molecular and Cellular Biology, PHD (LACELLPHD)
Museum Studies, MA (LAMUSSTMA)
Museum Studies (certificate), CERT (LAMUSEUMCE)
Nanoscience, PSM (LANANPSM)
Natural Science (Geological Sciences), MNS (LANATSCIMN)
Natural Science (Physics), MNS (LAPHYSMNS)
Philosophy, MA (LAPHILMA)
Philosophy, PHD (LAPHILPHD)
Philosophy (History and Philosophy of Science), MA (LAHPSMA)
Philosophy (History and Philosophy of Science), PHD (LAHPSPHD)
Physics, MS (LAPHYSIMS)
Physics, PHD (LAPHYSIPHD)
Political Science, MA (LAPOLSCMA)
Political Science, PHD (LAPOLSCPHD)
Psychology, PHD (LAPSYCHPHD)
Psychology (Quantitative Research Methods), PHD (LAPSYQUPHD)
Religious Studies, MA (LARELIGMA)
Religious Studies, PHD (LARELIGPHD)
Renaissance Studies (certificate), CERT (LARENAISCE)
Scholarly Publishing (certificate), CERT (LASCHPUBCE)
Science and Technology Policy, PSM (LAHSDPSM)
Social Transformation Certificate, CERT (LASOTGRCT)
Socio-Economic Justice (certificate), CERT (LAECJUGRCT)
Sociology, MA (LASOCMA)
Sociology, PHD (LASOCPHD)
Spanish, MA (LASPANMA)
Spanish, PHD (LASPANPHD)
Speech and Hearing Science, PHD (LAHEARPHD)
Statistics, MS (GCSTATMS)
Statistics, PHD (LASTPPHD)
Statistics (certificate), CERT (GCSTATCE)
Teaching English as a Second Language, MTE Speake (LAENGMTESL)
Transborder Studies, MAS (LATCLMAS)
Transportation Systems (certificate), CERT (GCTRANSCE)
Urban and Environmental Planning, MU/EP (ARURBMUEP)
Urban Planning, PHD (ARPUPPHD)

Nursing & Health Innovation, College of

Adv Nursing Practice (Women's Health NP), DNP (NUANPWHDNP)
Advanced Nursing Practice, DNP (NUANPDNP)
Advanced Nursing Practice (Adult Nurse Practitioner), DNP (NUANPADDNP)
Advanced Nursing Practice (Adult Psychiatric Mental Health Nurse Practitioner), DNP (NUANPPMDNP)
Advanced Nursing Practice (Child/Family Psychiatric Mental Health Nurse Practitioner), DNP (NUANPCFDNP)
Advanced Nursing Practice (Family Nurse Practitioner), DNP (NUANPFNDNP)
Advanced Nursing Practice (Geriatric Nurse Practitioner), DNP (NUGNPDNP)
Advanced Nursing Practice (Neonatal Nurse Practitioner), DNP (NUANPNNDNP)
Advanced Nursing Practice (Pediatric Nurse Practitioner), DNP (NUANPPDNP)
Child and Adolescent Mental Health Intervention (certificate), CERT (NUCAMHICE)
Child/Family Mental Health Nurse Practitioner (certificate), CERT (NUPMNUPRCE)
Clinical Research Management, MS (NUCRMMS)
Clinical Research Management (certificate), CERT (NUHCRGRCC)
Community and Public Health Practice (certificate), CERT (NUCHPGRCH)
Evidence-Based Practice in Nursing and Healthcare (certificate), CERT (NUEVIDNSCE)
Family Nurse Practitioner (certificate), CERT (NUFMPGRCE)
Geriatric Nursing (certificate), CERT (NUGNCERT)
Healthcare Innovation, MHI (NUHCINNMHI)
International Health for Healthcare Professionals (certificate), CERT (NUHCRGRCI)
Nurse Education in Academic and Practice Settings (certificate), CERT (NUNURSEDCE)
Nursing (Community Health Advanced Practice Nursing), MS (NUCHNDTMS)
Nursing (Nursing Education), MS (NUNURSEDMS)
Nursing and Healthcare Innovation, PHD (NUNHIPHD)
Regulatory Science and Health Safety, MS (NURSHSMS)

Public Programs, College of

Applied Ethics and the Professions (Leadership, Management, and Ethics), MA (LAAEPLMEMA)
 Assessment of Integrative Health Modalities (certificate), CERT (PPSWGGRCH)
 Community Resources and Development, PHD (PPCRDPHD)
 Criminal Justice, MA (PPCRIMJMA)
 Criminology and Criminal Justice, MS (PPCRJMS)
 Criminology and Criminal Justice, PHD (PPCRJPHD)
 Latino Cultural Competency in Social Work (certificate), CERT (PPSWGGRCL)
 Nonprofit Leadership and Management (certificate), CERT (PPNONPROCE)
 Nonprofit Studies, MNPS (PPNPSMNS)
 Public Administration, MPA (PPPADTMPA)
 Public Administration, PHD (PPPUBADPHD)
 Public Administration (Nonprofit Administration), MPA (PPNONPRMPA)
 Public Administration (Urban Management), MPA (PPPAFUMPA)
 Public Administration (Urbanism), PHD (PPPAURBPHD)
 Public Policy, MPP (PPPUBPMPP)
 Recreation and Tourism Studies, MS (PPRECDTMS)
 Social Entrepreneurship and Community Development (certificate), CERT (PPSECDGRCT)
 Social Work, MSW (PPSWDMSW)
 Social Work, PHD (PPSW2PHD)
 Social Work (Advanced Direct Practice), MSW (PPAPDTMSW)
 Social Work (Planning, Administration and Community Practice), MSW (PPCPDTMSW)
 Social Work - Advanced Standing, MSW (PPASWMSW)
 Sustainable Tourism, MAS (PPSUSTMAS)
 Sustainable Tourism (certificate), CERT (PPSTGRCT)
 Trauma and Bereavement (certificate), CERT (HSCTBGRCT)
 Sustainability, School of
 Global Sustainability Leadership (certificate), CERT (SUSUSGGRCT)
 Sustainability, MA (SUSUSTMA)
 Sustainability, MS (SUSUSTMS)
 Sustainability, PHD (SUSUSTPHD)

Teachers College, Mary Lou Fulton

An Overview of Autism Spectrum Disorders (certificate), CERT (EDSPEGRCA)
 Curriculum and Instruction (Teaching and Learning), MEd (EDDCIMED)
 Curriculum and Instruction (Accomplished Teaching), MA (EDACCTCMA)
 Curriculum and Instruction (Early Childhood Education), MEd (TEECDMED)
 Curriculum and Instruction (English as a Second Language), MA (EDESLMA)
 Curriculum and Instruction (Language and Literacy), MA (EDLANGMA)
 Curriculum and Instruction (Mathematics Education), MA (EDMATHMA)
 Educational Administration and Supervision, MEd (EDSUPVMED)
 Educational Administration and Supervision (Principalship), MEd (TEPRINMED)
 Educational Administration and Supervision (Supervision), MEd (TESPRVIMED)
 Educational Leadership and Policy Studies, PHD (EDLDRSHPHD)
 Educational Technology, MEd (EDTECHMED)
 Educational Technology, PHD (EDTECHPHD)
 Elementary Education, MEd (TEELEMED)
 Elementary Education (Educational Technology), MEd (TEEDTECMED)
 Elementary Education (Reading), MEd (TERDGMED)
 Elementary Education (Teacher Certification Accelerated), MEd (TEEEACLMED)
 Higher and Postsecondary Education, MEd (EDPOSTMED)
 Instructional Design and Performance Improvement (certificate), CERT (EDEDTGRCT)
 Leadership and Innovation (Policy and Administration), EdD (TEINNPAEDD)
 Leadership and Innovation (Teaching), EdD (TEINNTTEEDD)
 Online Teaching for Grades K-12 (certificate), CERT (TEEDTGRCT)
 Physical Education, MPE (ECPHYEDMPE)
 Secondary Education (Educational Technology), MEd (TESEDTCMED)
 Secondary Education (Reading), MEd (TESERDGMED)
 Secondary Education (Teacher Certification), MEd (TESCERTMED)
 Special Education (Teacher Certification), MEd (TESECRTMED)
 Technology for Teaching and Learning (certificate), CERT (EDEDTTGRCT)

Technology & Innovation, College of

Agribusiness, MS (AGAGRIBMS)
 Applied Biological Sciences, MS (TSAPBIOSMS)

Applied Psychology, MS (ECAPSYCHMS)
Business Administration (Agribusiness), PHD (BAAGRIPHD)
Computing Studies, MCSt (TSCOMPMCST)
Simulation, Modeling, and Applied Cognitive Science, PHD (TSSMACSPHD)
Technology (Alternative Energy Technologies), MSTech (TSATMSTECH)
Technology (Aviation Management and Human Factors), MSTech (TSHFMSTECH)
Technology (Electronic Systems Engineering Technology), MSTech (TSSYMSTECH)
Technology (Environmental Technology Management), MSTech (TSMGMSTECH)
Technology (Global Technology and Development), MSTech (TSGTMSTECH)
Technology (Graphic Information Technology), MSTech (TSGIMSTECH)
Technology (Integrated Electronic Systems), MSTech (TSESMSTECH)
Technology (Management of Technology), MSTech (TSMRMSTECH)
Technology (Manufacturing Engineering Technology), MSTech (TSMFMSTECH)
Technology (Mechanical Engineering Technology), MSTech (TSMHMSTECH)

Minors (Program Descriptions and Requirements)

African and African American Studies Minor (LAAFRMIN)
American Indian Studies Minor (LAAISMIN)
American Studies Minor (ASAMSMIN)
Anthropology Minor (LAASBMIN)
Applied Biological Sciences Minor (TSABSMIN)
Applied Psychology Minor (ECPSYMIN)
Arabic Studies Minor (LAARBMIN)
Architectural Studies Minor (ARSTDMIN)
Art History Minor (FAARTHMIN)
Asian Languages (Chinese) Minor (LACHIMIN)
Asian Languages (Japanese) Minor (LAJPNMIN)
Asian Pacific American Studies Minor (LAAPAMIN)
Astronomy Minor (LAASTMIN)
Astrophysics Minor (LAASTPHMIN)
Biochemistry Minor (LABCHMIN)
Biological Sciences Minor (LABIOMIN)
Business Minor (BABUSMIN)
Chemistry Minor (ASCHMMIN)
Chemistry Minor (LACHMMIN)
Communication Minor (HSCMNMIN)
Communication Minor (LACOMMIN)
Computational Mathematical Sciences Minor (LACMSMIN)
Criminology and Criminal Justice Minor (PPCRJMIN)
Dance Minor (FADANMIN)
Design Studies Minor (ARDSNMIN)
Digital Culture Minor (HIDGCMIN)
Economics Minor (LAECNMIN)
Economics for Students Planning a Career in Law Minor (LAECNLMIN)
English Minor (ASENGMIN)
English Minor (LENGMIN)
English Minor with a Concentration in Linguistics Minor (LAENGMINN)
English Minor with a Concentration in Literature Minor (LAENGMINT)
Ethnic Studies Minor (ASETHMIN)
Family and Human Development Minor (LAFASMIN)
Film and Media Production Minor (FAFMPMIN)
Film and Media Studies Minor (LAFMSMIN)
Food and Nutrition Management Minor (ECFNTRMIN)
French Minor (LAFREMIN)
Geography Minor (LAGCUMIN)
Geological Sciences Minor (LAGLGMIN)
German Minor (LAGERMIN)
Global Health Minor (LASSHMIN)
Global Studies Minor (LASGSMIN)
History Minor (ASHISMIN)
History Minor (LAHISMIN)
History Minor (LSHISMIN)
Human Nutrition Minor (ECNTRMIN)

Interdisciplinary Organizational Studies Minor (ASIOSMIN)
Interior Design History Minor (ARINTMIN)
Italian Minor (LAITAMIN)
Justice Studies Minor (LAJUSMIN)
Landscape Architecture Studies Minor (ARLNDMIN)
Life Sciences Minor (ASLSCMIN)
Materials Science and Engineering Minor (ESMSEMIN)
Mathematics Minor (ASMATHMIN)
Mathematics Minor (LAMATMIN)
Media Analysis Minor (CSCMOMINA)
Military Leadership Minor (LAMISMIN)
Music Minor (FAMUSMIN)
Nonprofit Administration Minor (PPNLMMIN)
Nutrition and Healthy Living Minor (NUNHLMIN)
Parks and Protected Area Management Minor (PPPRMMINT)
Philosophy Minor (ASPHIMIN)
Philosophy Minor (LAPHIMIN)
Physics Minor (LAPHYMIN)
Political Science Minor (ASPOLMIN)
Political Science Minor (LAPOSMIN)
Psychology Minor (ASPGSMIN)
Psychology Minor (LAPGSMIN)
Public Relations and Strategic Communications Minor (HSPRSMIN)
Public Service and Public Policy Minor (PPPAFMIN)
Real Estate Minor (BAREAMIN)
Recreation Management Minor (PPRECMIN)
Religious Studies Minor (ASRELMIN)
Religious Studies Minor (LARELMIN)
Romanian Minor (LAROMMIN)
Russian Minor (LARUSMIN)
Science, Technology and Society Minor (ECSTSMIN)
Slavic Studies Minor (LASLVMIN)
Small Business Minor (AGSMBMIN)
Social Welfare Minor (LASSWMIN)
Social and Behavioral Sciences Minor (ASSBSMIN)
Sociocultural Anthropology Minor (ASASBMIN)
Sociology Minor (ASSOCMIN)
Sociology Minor (LASOCMIN)
Spanish Minor (ASSPAMIN)
Spanish Minor (LASPAMIN)
Spanish Minor (LSSPAMIN)
Special Events Management Minor (HSEVNMIN)
Speech and Hearing Science Minor (LASHSMIN)
Statistics Minor (LASTAMIN)
Sustainability Minor (SUSUSMIN)
Sustainable Tourism Minor (PPTDMSMIN)
Theatre Minor (FATHEMIN)
Tourism Development and Management Minor (PPTDMMIN)
Transborder Chicana/o and Latina/o Studies Minor (LATCLMIN)
Urban Planning Minor (ARPUPMIN)
Urban and Metropolitan Studies Minor (PPURBMIN)
Wellness Foundations Minor (ECEXWMIN)
Women and Gender Studies Minor (ASWSTMIN)
Women and Gender Studies Minor (LAWSTMIN)
Youth Services Leadership Minor (HSYSLMIN)

Undergraduate Certificates (Program Descriptions and Requirements)

African and African American Studies Certificate (LAAFRCERT)
Arabic Studies Certificate (LAARBCERT)
Asian Pacific American Studies Certificate (LAAPACERT)
Asian Studies Certificate (LAASNCERT)
Child Life Certificate (LACHLFCERT)
Child Nutrition Certificate (ECNTRCERC)

Civic Education Certificate (LACVECERT)
 Classical Studies Certificate (LACLCERT)
 Computer Gaming Certificate (ESSCICERT)
 Convention Sales and Meeting Planning Certificate (PPTDMCERT)
 Creative City Certificate (PPURBCERC)
 Digital Culture Certificate (HIDGCCERT)
 East Asian Studies Certificate (LAEASCERT)
 Economic Justice Certificate (LAECNJCERT)
 Entertainment and Technology Certificate (LAFMSUERE)
 Environmental Humanities Certificate (LAENHCERT)
 Environmental Humanities Certificate (LSENHHCERT)
 Ethics Certificate (LAETHCERT)
 Ethnic Studies Certificate (ASETHCERT)
 European Union Studies Certificate (LAEUSCERT)
 Family Communication Certificate (ASFAMCCERT)
 Film and Video Studies Certificate (ASVIDCERT)
 Geographic Information Science Certificate (LAGISCERT)
 Hazardous Materials and Waste Management Certificate (TSETMCERT)
 History and Philosophy of Science Certificate (LAHPSCERT)
 Honors Business Consulting Certificate (BAECNUERT)
 Human Rights Certificate (LAHRTSCERT)
 Informatics Certificate (ESCPICERT)
 International Business Certificate (BAIBSCERT)
 International Studies Certificate (LAINSCERT)
 Islamic Studies Certificate (LAISLCERT)
 Jewish Studies Certificate (LAJUDCERT)
 Knowledge Entrepreneurship and Innovation Certificate (BAKEICERT)
 Korean Studies Certificate (LAKORCERT)
 Latin American Studies Certificate (LALASCERT)
 Leadership and Ethics Certificate (PPLDECERT)
 Lesbian, Gay, Bisexual and Transgender Certificate (PPLGBTCERT)
 Medieval and Renaissance Studies Certificate (LAMRSCERT)
 Nonprofit Leadership and Management: American Humanics Certificate (PPNPYCERT)
 Oral History Certificate (ASOHCERT)
 Philosophy, Politics and Law Certificate (HOPPLCERT)
 Philosophy, Rhetoric and Literature Certificate (ASPRLCERT)
 Public Administration and Public Management Certificate (PPPAFCERT)
 Religion and Conflict Certificate (LARELCERT)
 Russian and East European Studies Certificate (LAREECERT)
 Small Business and Entrepreneurship Certificate (BASMBCERT)
 Social Transformation Certificate (LASOTCERT)
 Socio-Legal Studies Certificate (LASLSTCERT)
 Southeast Asian Studies Certificate (LASALCERT)
 Spanish for the Professions Certificate (LSSPPRFCER)
 Special Events Management Certificate (HSRTMUERT)
 Speech-Language Pathology Assistant Certificate (LASLPACERT)
 Symbolic Systems Certificate (LAPHICERT)
 Teaching English to Speakers of Other Languages (TESOL) Certificate (LATESLCERT)
 Technical Communication Certificate (LSTECCERT)
 Technology Entrepreneurship Certificate (ESTNECERT)
 Translation Certificate (LASPACERT)
 Women and Gender Studies Certificate (ASWSTCERT)
 Women and Gender Studies Certificate (LAWSTCERT)
 Writing (Liberal Arts & Sciences) Certificate (LAENGCERT)
 Writing (New College) Certificate (ASWRTCERT)

Undergraduate Degrees (Program Descriptions)

Business, W. P. Carey School of
 Accountancy, BS (BAACCBS)
 Business, BA (BABUSBA)
 Business (Communication), BA (BABUSCBA)
 Business (Global Leadership), BA (BABUSGBA)
 Business (Global Politics), BA (BABUSGPBA)

Business (Legal Studies), BA (BABUSLBA)
 Business (Public Service and Public Policy), BA (BABUSPBA)
 Business (Statistics), BA (BABUSTABA)
 Business (Sustainability), BA (BABUSSBA)
 Business (Technology), BA (BABUSTCBA)
 Business (Tourism), BA (BABUSTBA)
 Business (Urban Policy), BA (BABUSUBA)
 Business Exploratory, (BABUSEXP)
 Computer Information Systems, BS (BACISBS)
 Economics, BS (BAECNBS)
 Finance, BS (BAFINBS)
 Management, BS (BAMGTBS)
 Management (Entrepreneurship), BS (BAMGTEBS)
 Marketing, BS (BAMKTBS)
 Supply Chain Management, BS (BASCMBBS)

Design & the Arts, Herberger Institute for
 Architectural Studies, BSD (ARSTDBSD)
 Art (Art Education), BFA (FAARTEBFA)
 Art (Art History), BA (FAARTHBA)
 Art (Art Studies), BA (FAARTSTDBA)
 Art (Ceramics), BFA (FAARTCBFA)
 Art (Drawing), BFA (FAARTDBFA)
 Art (Fibers), BFA (FAARTFBFA)
 Art (Intermedia), BFA (FAARTIBFA)
 Art (Metals), BFA (FAARTMBFA)
 Art (Museum Studies), BA (FAARTMSBA)
 Art (Painting), BFA (FAARTPABFA)
 Art (Photography), BFA (FAARTPHBFA)
 Art (Printmaking), BFA (FAARTPMBFA)
 Art (Sculpture), BFA (FAARTSBFA)
 Arts (BA in the Arts), BA (FAATSBA)
 Dance, BFA (FADANBFA)
 Dance (Dance Education), BFA (FADANEBA)
 Design Studies, BA (ARDSNBA)
 Design Studies (Design Management), BA (ARDSNMBA)
 Digital Culture (Art), BA (HIDGCABA)
 Digital Culture (Arts and Design Studies), BA (HIDCADSBA)
 Digital Culture (Design), BA (HIDGCDBA)
 Digital Culture (Film), BA (HIDGCFBA)
 Digital Culture (Interdisciplinary Arts and Performance), BA (HIDCIAPBA)
 Digital Culture (Media Processing), BA (HIDGMPBA)
 Digital Culture (Music), BA (HIDGCMBA)
 Digital Culture (Technological Entrepreneurship), BA (HIDGCTEBA)
 Digital Culture (Theatre), BA (HIDGCTBA)
 Film (Film & Media Production), BA (FAFLMBA)
 Film (Filmmaking Practices), BA (FAFPRBA)
 Graphic Design, BSD (ARGRABSD)
 Industrial Design, BSD (ARINDBSD)
 Interior Design, BSD (ARINTBSD)
 Landscape Architecture, BSLA (ARPLABSLA)
 Music, BA (FAMUSBA)
 Music Education, BMUS (FAMUSEBM)
 Music Therapy, BMUS (FAMUSTHBM)
 Performance (Collaborative Piano), BMUS (FAMUSPPBM)
 Performance (Guitar), BMUS (FAMUSPGBM)
 Performance (Jazz), BMUS (FAMUSPJB)
 Performance (Keyboard), BMUS (FAMUSPKBM)
 Performance (Music Theatre), BMUS (FAMUSPMBM)
 Performance (Orchestral Instrument), BMUS (FAMUSPOBM)
 Performance (Voice), BMUS (FAMUSPVBM)
 Theatre, BA (FATHEBA)
 Theatre (Acting), BA (FATHEABA)

Theatre (Design & Production), BA (FADSNPRBA)
Theory & Composition (Composition), BMUS (FAMUSTCBM)
Theory & Composition (Theory), BMUS (FAMUSTTBM)

Engineering, Ira A. Fulton Schools of

Aerospace Engineering (Aeronautics), BSE (ESAEROBSE)
Aerospace Engineering (Astronautics), BSE (ESAEASBSE)
Biomedical Engineering, BSE (ESBMEBSE)
Chemical Engineering, BSE (ESCHEBSE)
Civil Engineering, BSE (ESCEEBSE)
Civil Engineering (Environmental Engineering), BSE (ESCEEEBSE)
Civil Engineering (Sustainable Engineering), BSE (ESCEESUBSE)
Computer Science, BS (ESCSEBS)
Computer Science (Information Assurance), BS (ESCSEIBS)
Computer Science (Software Engineering), BS (ESCSESBS)
Computer Systems Engineering, BSE (ESCSEBSE)
Computer Systems Engineering (Information Assurance), BSE (ESCSEIBSE)
Construction Engineering, BSE (ESCONBSE)
Construction Management (Concrete Industry Management), BS (ESCONIMBS)
Construction Management (General Building Construction), BS (ESCONGBS)
Construction Management (Heavy Construction), BS (ESCONHBS)
Construction Management (Residential Construction), BS (ESCONRBS)
Construction Management (Specialty Construction), BS (ESCONSBS)
Electrical Engineering, BSE (ESEEEBSE)
Electrical Engineering (Electric Power and Energy Systems), BSE (ESEEEPBSE)
Engineering Management, BSE (ESEMGBSE)
Industrial Engineering, BSE (ESIEEBSE)
Informatics, BS (ESCIPIBS)
Materials Science & Engineering, BSE (ESMSEBSE)
Mechanical Engineering, BSE (ESMAEMBSE)
Mechanical Engineering (Computational and Mathematical Mechanics), BSE (ESMAECBSE)
Mechanical Engineering (Energy & Environment), BSE (ESMAEEBSE)

Health Solutions, College of

Applied Science (Food Service Management), BAS (ECNTRBAS)
Applied Science (Health Sciences), BAS (NUHSCBAS)
Exercise & Wellness (Exercise & Wellness), BS (ECEXWBS)
Exercise & Wellness (Health Promotion), BS (ECEXWHBS)
Health Sciences (Health Policy), BS (NUHSCPBS)
Health Sciences (Healthy Lifestyles Coaching), BS (NUHSCHLCBS)
Health Sciences (Pre-professional), BS (NUHSCPREBS)
Kinesiology, BS (NUKINBS)
Nutrition (Dietetics), BS (ECNTRDBS)
Nutrition (Food & Nutrition Management), BS (ECNTRMBS)
Nutrition (Human Nutrition), BS (ECNTRHBS)
Nutrition (Nutrition Communication), BS (ECNTRCBS)
Honors - Barrett, The Honors College
Honors College, (9HOHONALL)

Interdisciplinary Arts & Sciences, New College of

American Studies, BA (ASAMSBA)
Applied Computing, BS (ASACOBS)
Applied Mathematics, BS (ASMATBS)
Applied Science, BAS (ASBASBAS)
Communication, BA (ASCOMMBA)
Communication, BS (ASCOMMBS)
English, BA (ASENGBA)
Ethnicity, Race, and First Nations Studies, BA (ASETHBA)
History, BA (ASHISBA)
Integrative Studies, BA (ASIASBA)
Interdisciplinary Arts & Performance, BA (ASIAPBA)
Life Sciences, BA (ASLSCBA)
Life Sciences, BS (ASLSCBS)
Life Sciences (Environmental Science), BS (ASLSCEBS)
Life Sciences (Forensics), BS (ASLSCFBS)

Life Sciences (Secondary Education), BA (ASLSCSBA)
 Political Science, BA (ASPOLBA)
 Political Science, BS (ASPOLBS)
 Psychology, BA (ASPGSBA)
 Psychology, BS (ASPGSBS)
 Religion & Applied Ethics Studies, BA (ASRELBA)
 Social and Behavioral Sciences, BA (ASSBSBA)
 Social and Behavioral Sciences, BS (ASSBSBS)
 Sociology, BA (ASSOCBA)
 Sociology, BS (ASSOCBS)
 Spanish, BA (ASSPABA)
 Statistics, BS (ASSTABS)
 Women and Gender Studies, BA (ASWSTBA)
 Women and Gender Studies, BS (ASWSTBS)

Journalism & Mass Communication, Walter Cronkite School of
 Journalism & Mass Communication, BA (CSJMCBA)

Letters & Sciences, School of

- Applied Science (Technical Communication), BAS (LSTECBAS)
- Communication, BA (LSCOMBA)
- English, BA (LSENGBA)
- General Studies, BGS (LSGNSBGS)
- History, BA (LSHISBA)
- Interdisciplinary Studies, BIS (LSBISBIS)
- Interdisciplinary Studies (Organizational Studies), BIS (LSORGBIS)
- Liberal Studies, BLS (LABLSBLS)
- Science, Technology and Society, BS (ECSTSBS)
- Technical Communication, BS (LSTECBS)

Liberal Arts & Sciences, College of

- African & African American Studies, BA (LAAFRBA)
- American Indian Studies, BS (LAAISBS)
- Anthropology, BA (LAASBBA)
- Anthropology, BS (LAASBBS)
- Applied Mathematics for Life and Social Sciences, BS (LAAMLBS)
- Asia Studies (East Asia), BA (LAHSTEABA)
- Asia Studies (South Asia), BA (LAHSTSABA)
- Asia Studies (Southeast Asia), BA (LAHSTSEABA)
- Asian Languages - Chinese, BA (LACHIBA)
- Asian Languages - Japanese, BA (LAJPNBA)
- Asian Pacific American Studies, BA (LAAPABA)
- Biochemistry, BA (LABCHBA)
- Biochemistry, BS (LABCHBS)
- Biochemistry (Medicinal Chemistry), BS (LABCHMBS)
- Biological Sciences, BS (LABSCBS)
- Biological Sciences (Animal Physiology & Behavior), BS (LABSCABS)
- Biological Sciences (Biology & Society), BS (LABSCSBS)
- Biological Sciences (Conservation Biology and Ecology), BS (LABSCCBS)
- Biological Sciences (Genetics, Cell & Developmental Biology), BS (LABSCGBS)
- Chemistry, BA (LACHMBA)
- Chemistry, BS (LACHMBS)
- Chemistry (Environmental Chemistry), BS (LACHMEBS)
- Communication, BA (LACOMBA)
- Communication, BS (LACOMBS)
- Computational Mathematical Sciences, BS (LACMSBS)
- Earth and Environmental Studies, BA (LAEESBA)
- Earth and Space Exploration, BS (LASESBS)
- Earth and Space Exploration (Astrobiology and Biogeosciences), BS (LASESABBS)
- Earth and Space Exploration (Astrophysics), BS (LASESABS)
- Earth and Space Exploration (Exploration Systems Design), BS (LASESESDBS)
- Earth and Space Exploration (Geological Sciences), BS (LASESGSBS)
- Economics, BS (LAECNBS)
- English, BA (LAENGBA)
- English (Creative Writing), BA (LAENGCBBA)

English (Linguistics), BA (LAENGNBA)
English (Literature), BA (LAENGTBA)
Family & Human Development, BS (LAFASBS)
Film (Film & Media Studies), BA (LAFMSBA)
French, BA (LAFREBA)
Geography, BA (LAGCUBA)
Geography, BS (LAGCUBS)
Geography (Meteorology-Climatology), BS (LAGCUMBS)
Geography (Urban Studies), BS (LAGCUUBS)
German, BA (LAGERBA)
Global Health, BA (LASSHBA)
Global Studies, BA (LASGSBA)
History, BA (LAHISBA)
Integrated Studies, BA (LAISTBA)
Integrated Studies, BS (LAISTBS)
International Letters & Cultures (Classics), BA (LASLCCBA)
International Letters and Cultures, BA (LASLCBA)
Italian, BA (LAITABA)
Jewish Studies, BA (LAJSTBA)
Justice Studies, BA (LAJUSBA)
Justice Studies, BS (LAJUSBS)
Mathematics, BA (LAMATBA)
Mathematics, BS (LAMATBS)
Mathematics (Secondary Education), BS (LAMATSBS)
Mathematics (Statistics), BS (LAMATTBS)
Microbiology, BS (LAMICBS)
Molecular Biosciences/Biotechnology, BS (LAMBBBS)
Philosophy, BA (LAPHIBA)
Physics, BA (LAPHYBA)
Physics, BS (LAPHYBS)
Political Science, BA (LAPOSBA)
Political Science, BS (LAPOSBS)
Psychology, BA (LAPGSBA)
Psychology, BS (LAPGSBS)
Psychology (Psychological Science), BS (LAPGSPSBS)
Religious Studies, BA (LARELBA)
Russian, BA (LARUSBA)
Sociology, BS (LASOCBS)
Spanish, BA (LASPABA)
Speech & Hearing Science, BS (LASHSBS)
Transborder Chicana/o & Latina/o Studies (Media and Expressive Culture), BA (LATCLMBA)
Transborder Chicana/o & Latina/o Studies (Transborder Community Development and Health), BA (LATCLTBA)
Transborder Chicana/o & Latina/o Studies (US and Mexican Regional Immigration Policy & Economy), BA (LATCLUBA)
Urban Planning, BSP (ARPUPBSP)
Women and Gender Studies, BA (LAWSTBA)
Nursing & Health Innovation, College of
Nursing, BSN (NUNURDBSN)
Nursing (Clinical Nursing Program), BSN (NUNURCBSN)
Public Programs, College of
Criminal Justice & Criminology, BS (PPCRIMJBS)
Nonprofit Leadership & Management, BS (PPNLMBS)
Parks & Recreation Management, BS (PPPRMBS)
Parks & Recreation Management (Therapeutic Recreation), BS (PPPRMTRBS)
Public Service & Public Policy, BS (PPPAFBS)
Public Service & Public Policy (Sustainability), BS (PPPAFSBS)
Public Service and Public Policy (Criminology), BS (PPPAFCBS)
Public Service and Public Policy (Nonprofit Leadership and Management), BS (PPPANLMBS)
Public Service and Public Policy (Parks and Recreation Management), BS (PPPAPRMBS)
Social Work, BSW (PPSWUSWU)
Tourism Development & Management, BS (PPTDMBS)
Tourism Development & Management (Resort and Accommodations Leadership), BS (PPTDMRBS)

Tourism Development and Management (Sustainable Tourism), BS (PPTDMSBS)
 Urban & Metropolitan Studies, BA (PPURBBA)
 Urban & Metropolitan Studies, BS (PPURBBS)

Sustainability, School of
 Sustainability, BA (SUSUSTBA)
 Sustainability, BS (SUSUSTBS)

Teachers College, Mary Lou Fulton
 Early Childhood Education, BAE (EDECDBAE)
 Educational Studies, BAE (EDSLSTBAE)
 Elementary Education, BAE (TEEEDBAE)
 Elementary Education (Bilingual Education/English as a Second Language), BAE (TEDLLBAE)
 Secondary Education (Biological Sciences), BAE (TEBIOBAE)
 Secondary Education (Business), BAE (EDBUSBAE)
 Secondary Education (Chemistry), BAE (TECHMBAE)
 Secondary Education (Earth & Space Sciences), BAE (EDESSBAE)
 Secondary Education (Economics), BAE (EDECNBAE)
 Secondary Education (English), BAE (TEENGBAE)
 Secondary Education (French), BAE (EDFREBAE)
 Secondary Education (Geography), BAE (EDGCUBAE)
 Secondary Education (German), BAE (EDGERBAE)
 Secondary Education (History), BAE (TEHISBAE)
 Secondary Education (Japanese), BAE (EDJPNBAE)
 Secondary Education (Mathematics), BAE (TEMATBAE)
 Secondary Education (Physical Education), BAE (ECPPEBAE)
 Secondary Education (Physics), BAE (EDPHYBAE)
 Secondary Education (Political Science), BAE (TEPOLBAE)
 Secondary Education (Spanish), BAE (TESPABAE)
 Special Education, BAE (TESPEBAE)

Technology & Innovation, College of
 Aeronautical Management Technology (Air Transportation Management), BS (TSAMTMBS)
 Aeronautical Management Technology (Professional Flight), BS (TSAMTFBS)
 Agribusiness (Agribusiness Science), BS (AGAGBPBS)
 Agribusiness (Global Agribusiness), BS (AGAGBGABS)
 Air Traffic Management, BS (TSATMBS)
 Applied Biological Sciences (Applied Biological Sciences), BS (TSABSABS)
 Applied Biological Sciences (Secondary Education in Biology), BS (TSABSSBS)
 Applied Biological Sciences (Urban Horticulture), BS (TSABSUBS)
 Applied Biological Sciences (Wildlife & Restoration Ecology), BS (TSABSRBS)
 Applied Computer Science, BS (TSACSSBS)
 Applied Psychology, BS (ECPSYBS)
 Applied Science, BAS (TSAPSBAS)
 Applied Science (Aviation Management Technology), BAS (TSAMTABAS)
 Applied Science (Electronic Energy Systems), BAS (TSEESBAS)
 Applied Science (Emergency Management), BAS (TSIMCEBAS)
 Applied Science (Graphic Information Technology), BAS (TSGITBAS)
 Applied Science (Internet & Web Development), BAS (TSIWDBAS)
 Applied Science (Manufacturing Technology & Management), BAS (TSMETFBAS)
 Applied Science (Operations Management), BAS (TSIMCOBAS)
 Applied Science (Software & Computing Systems), BAS (TSCSTBAS)
 Computer Systems (Computer Hardware Technology), BS (TSCSTHBS)
 Computer Systems (Embedded Systems Technology), BS (TSCSTMBS)
 Electronics Engineering Technology (Alternative Energy Technologies), BS (TSEETABS)
 Electronics Engineering Technology (Electronic Systems), BS (TSEETEBS)
 Electronics Engineering Technology (Integrated Electronic Systems), BS (TSEETINBS)
 Engineering, BSE (TSEGRBSE)
 Environmental Technology Management, BS (TSETMBS)
 Food Industry Management, BS (BAFIMBS)
 Graphic Information Technology, BS (TSGITBS)
 Manufacturing Engineering Technology, BS (TSMETBS)
 Manufacturing Engineering Technology (Mechanical), BS (TSMETMBS)
 Mechanical Engineering Technology, BS (TSMECBS)
 Mechanical Engineering Technology (Aeronautical Engineering Technology), BS (TSMECEBS)

Mechanical Engineering Technology (Automation Engineering Technology), BS (TSMECUBS)

Mechanical Engineering Technology (Automotive), BS (TSMECTBS)

Software Engineering, BS (TSSERBS)

Technological Entrepreneurship and Management, BS (TSTEMBS)

University College

Exploratory Health & Life Sciences, (UCHSCIEXPL)

Exploratory Humanities, Fine Arts & Design, (UCHUFAEXPL)

Exploratory Math, Physical Sciences, Engineering & Technology, (UCEMTPEXPL)

Exploratory Social & Behavioral Sciences, (UCSBSEXPL)

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[W. P. Carey School of Business](#) ^[3]
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[Business Administration \(MBA\)/Master of Engineering \(M.Eng.\) Specialization in Systems Engineering](#)

[W. P. Carey School of Business](#) ^[3]
[Ira A. Fulton Schools of Engineering](#) ^[5]

[Business Administration \(MBA\)/Taxation \(M.Tax.\)](#)

[W. P. Carey School of Business](#) ^[3]

Construction with a concentration in Management (M.S.)/Maestria en Ciencias con Especialidad en Ingenieria y Administracion de la Construccion

Ira A. Fulton Schools of Engineering [5]
Instituto Tecnologico y de Estudios Superiores de Monterrey, Monterrey Campus

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Law (JD)/Business Administration (MBA)

Sandra Day O'Connor College of Law [11]
W. P. Carey School of Business [3]

Law (JD)/Health Sector Management (M.H.S.M.)

Sandra Day O'Connor College of Law [11]
W. P. Carey School of Business [3]

Law (JD)/Justice Studies (Ph.D.)

Sandra Day O'Connor College of Law [11]
Justice and Social Inquiry [12]

Law (JD)/Medicine (M.D.)

Sandra Day O'Connor College of Law [11]
Mayo Medical School [13]

Law (JD)/Psychology (Ph.D.)

Sandra Day O'Connor College of Law [11]
Department of Psychology [14]

Public Administration (M.P.A.)/Social Work (M.S.W) [15]

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Accelerated Bachelor's and Master's Programs

Degrees

Administered By

Accounting (B.S.)/Accountancy (M.Acc.)

[W. P. Carey School of Business](#) ^[1]

Accounting (B.S.)/Taxation (M.Tax.)

[W. P. Carey School of Business](#) ^[1]

Aerospace Engineering (B.S.E./M.S.)

[Ira A. Fulton Schools of Engineering](#) ^[2]

Aerospace Engineering (B.S.E./M.S.E.)

[Ira A. Fulton Schools of Engineering](#) ^[2]

American Studies (B.A.)/Interdisciplinary Studies (M.A.)

[New College of Interdisciplinary Arts and Sciences](#) ^[3]

Biochemistry (B.S./M.S.) - Emphasis in Medicinal Chemistry

[College of Liberal Arts and Sciences](#) ^[4]

Bioengineering (B.S.E./M.S.)

[Ira A. Fulton Schools of Engineering](#) ^[2]

Biological Sciences (B.S.)/Biology (M.S.)

[College of Liberal Arts and Sciences](#) ^[4]

Civil Engineering (B.S.E.)/Civil and Environmental Engineering (M.S.)

[Ira A. Fulton Schools of Engineering](#) ^[2]

Civil Engineering (B.S.E.)/Civil and Environmental Engineering (M.S.E.)

[Ira A. Fulton Schools of Engineering](#) ^[2]

Communication Studies (B.A. or B.S./M.A.)

[New College of Interdisciplinary Arts and Sciences](#) ^[3]

Computational Mathematical Sciences (B.S.)/Mathematics (M.A.)

[College of Liberal Arts and Sciences](#) ^[4]

[Computer Science \(B.S./M.S.\)](#) ^[5]

[Ira A. Fulton Schools of Engineering](#) ^[2]

[Computer Systems Engineering \(B.S.E.\)/Computer Science \(M.S.\)](#) ^[6]

[Ira A. Fulton Schools of Engineering](#) ^[2]

Construction (B.S./M.S.)

[Ira A. Fulton Schools of Engineering](#) ^[2]

Criminal Justice and Criminology (B.S.)/Criminal

[College of Public Programs](#) ^[7]

Justice (M.A.)

Criminal Justice and Criminology
(B.S.)/Criminology and Criminal Justice (M.S.)College of Public Programs [7]

Electrical Engineering (B.S.E./M.S.E.)

Ira A. Fulton Schools of Engineering [2]

Chemical Engineering (B.S.E./M.S. or M.S.E.)

Ira A. Fulton Schools of Engineering [2]Ethnicity, Race and First Nations Studies
(B.A.)/Interdisciplinary Studies (M.A.)New College of Interdisciplinary Arts and
Sciences [3]

Family and Human Development (B.S./M.S.)

College of Liberal Arts and Sciences [4]

Global Health (B.A./M.A.)

College of Liberal Arts and Sciences [4]

History (B.A./M.A.)

College of Liberal Arts and Sciences [4]

Industrial Engineering (B.S.E./M.S. or M.S.E.)

Ira A. Fulton Schools of Engineering [2]Integrative Studies (B.A.)/Interdisciplinary
Studies (M.A.)New College of Interdisciplinary Arts and
Sciences [3]Journalism and Mass Communication
(B.A.)/Mass Communication (M.M.C.)Walter Cronkite School of Journalism and
Mass Communication [8]Materials Science and Engineering
(B.S.E./M.S.)Ira A. Fulton Schools of Engineering [2]Materials Science and Engineering
(B.S.E./M.S.E.)Ira A. Fulton Schools of Engineering [2]

Mathematics (B.S./M.A.)

College of Liberal Arts and Sciences [4]

Mechanical Engineering (B.S.E./M.S. or M.S.E.)

Ira A. Fulton Schools of Engineering [2]Parks and Recreation Management
(B.S.)/Recreation and Tourism Studies (M.S.)College of Public Programs [7]Urban Planning (B.S.P.)/Urban and
Environmental Planning (M.U.E.P.)College of Liberal Arts and Sciences [4]
Herberger Institute for Design and the Arts [9]

Political Science (B.A./M.A.)

College of Liberal Arts and Sciences [4]

Social and Behavioral Sciences (B.A. or B.S.)/Interdisciplinary Studies (M.A.)

Sociology (B.S./M.A.)

Tourism Development and Management (B.S.)/Recreation and Tourism Studies (M.S.)

Women's Studies (B.A. or B.S.)/Interdisciplinary Studies (M.A.)

New College of Interdisciplinary Arts and Sciences [3]

College of Liberal Arts and Sciences [4]

College of Public Programs [7]

New College of Interdisciplinary Arts and Sciences [3]

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Links:

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Graduate Programs

Graduate Degrees and Certificates (Program Descriptions and Requirements)

Business, W. P. Carey School of

Accountancy, MAcc (BAACCMACC)

Online Degree Search Title: Accountancy (MACC)

Campus: TEMPE

Program Description: The M.Acc. program is structured to provide students with an in-depth working knowledge of advanced accounting topics that are most relevant in today's business environment. Students are prepared for a wide range of professional careers in accounting. The program aids significantly in preparation for the certified public accountant examination and also offers an emphasis in information systems.

Degree Requirements: 30 credit hours including a Capstone (ACC 588).

The M.Acc. is a cohort-based, full-time program requiring a bachelor's degree in accountancy and is completed in one academic year (August through May). Applicants must complete program prerequisites prior to admission to the program. Refer to the School of Accountancy website for a current list of required course prerequisites. Graduate-level accounting courses are only open to students admitted to the graduate program.

Admission Requirements:

- All applicants are required to submit an online Graduate College application. Complete application instructions may be obtained from the school's website.
- Applicants must submit scores from the Graduate Management Admissions Test (GMAT).
- Applicants are required to submit the supplemental application materials required by the School of Accountancy.
- International applicants whose native language is not English must submit scores from the Test of English as a Foreign Language (TOEFL) examination.

Preference in admission is given to those with degrees in accounting and business, although other exceptional candidates are considered.

Contact Information:

Business, W. P. Carey School of
School of Accountancy
<http://wpcarey.asu.edu/accounting>
BA 223Q
wpcareyacc@asu.edu
480-965-3631

Business Administration (Accountancy), PHD (BAACCTPHD)

Online Degree Search Title: Accountancy (PhD)

Campus: TEMPE

Program Description: The objective of the Ph.D. in business administration with a concentration in accountancy is to prepare scholars to conduct high-quality research and to teach in the fields of:

- Auditing.
- Financial accounting.
- Managerial accounting.
- Taxation.

This program allows students to develop the capability to review, analyze, conduct and publish research through a series of research seminars, theory-building and statistical course work that supplement and complement students' abilities and desires. In addition, doctoral students participate in ongoing research projects in conjunction with faculty members in the School of Accountancy.

Degree Requirements: 84 credit hours, a Written Comprehensive Exam, a Prospectus and a Dissertation.

Plan of Study

This program consists of 12 hours of dissertation and 72 hours of course work and research. Students may not apply credit hours earned for a doctoral degree previously awarded at ASU or another institution toward their current ASU doctoral degree. However, at the academic unit's discretion, students may apply up to 30 credit hours from a previously awarded master's degree toward their doctoral plan of study.

Students work with their study committees to determine an appropriate plan of study. Common areas of functional specialization among doctoral studies include financial and managerial accounting, auditing and taxation. With these functional areas, doctoral studies may emphasize

experimental or archival research methods. All accountancy doctoral students are required to take a three-semester sequence of accountancy doctoral course work. A maximum of 12 approved graduate credit hours can be transferred to satisfy program requirements.

Comprehensive Examinations

Upon completion of all necessary course work on a student's approved plan of study, the academic unit may initiate the scheduling and administering of a student's comprehensive examinations. The comprehensive examinations consist of a minimum of a written exam and, at the discretion of the academic unit, an oral exam may also be required.

Candidacy

Doctoral students are notified of achieving candidacy status when they receive a letter from the dean of the Graduate College upon 1) passing the comprehensive examinations, and 2) successfully defending the dissertation prospectus.

Dissertation Requirements

Students are required to present a dissertation to satisfy the research requirement for the doctorate. The dissertation is defended in an oral examination commonly known as the dissertation defense.

Students must be enrolled in at least one credit hour that appears on the program of study or one hour of appropriate graduate-level credit (such as 795 Continuing Registration) during the semester (including summer session) in which the student defends the dissertation.

Note: For detailed information regarding the university's doctoral degree requirements, please refer to the Graduate College's Doctor of Philosophy policy and procedures.

Maximum Time Limit

Doctoral students must complete all program requirements within a 10-year period. The 10-year period starts with the initial enrollment into the doctoral program. In addition, the student must take the final oral examination in defense of the dissertation within five years after passing the comprehensive examinations. Any exception must be approved by the supervisory committee and the dean of the Graduate College and ordinarily involves repetition of the comprehensive examinations.

Admission Requirements: All applicants must submit the Graduate College online application and complete English proficiency requirements. Applications are initially reviewed by a School of Accountancy doctoral committee using a portfolio approach. In addition to GMAT scores and prior academic performance, letters of recommendation and a personal statement are reviewed to ensure a good "fit" between students' goals and the school. Recommendations for action are then made to the director of doctoral programs in the W. P. Carey School of Business, who in turn make recommendations to the Graduate College. The Graduate College admits or denies each applicant and notifies them in writing.

Contact Information:

Business, W. P. Carey School of
Business Administration
<http://wpcarey.asu.edu/accounting>
BA 223Q
wpcareyacc@asu.edu
480-965-3631

Business Administration (Computer and Information Systems), PHD (BAINFSYPHD)

Online Degree Search Title: Computer Information Systems (PhD)

Campus: TEMPE

Program Description: The Department of Information Systems offers a computer information systems doctoral concentration within the W. P. Carey Ph.D. in Business Administration degree program. The objective of the program is to prepare scholars for careers at leading educational institutions. This program allows students to develop the capability to review, analyze, conduct and publish research through a series of seminars and additional supporting course work. In addition, doctoral students participate in ongoing research projects in conjunction with faculty members in the department.

Degree Requirements: 84 credit hours, a Written Comprehensive Exam, a Prospectus and a Dissertation.

Plan of Study

The doctoral program consists of a minimum of 84 credit hours of graduate-level course work beyond the bachelor's degree. A minimum of 42 hours of doctoral course work and 12 hours of dissertation credits are required to be taken at Arizona State University's Tempe campus. At the department's discretion, students may apply up to 30 credit hours from a previously awarded master's degree toward their doctoral plan of study. Students work with their program committees to determine an appropriate plan of study. Common areas of specialization for doctoral studies include:

- Accounting information systems.
- Artificial intelligence in business.
- Business process improvement and workflow engineering.
- Data mining.
- Database management systems.
- Decision support systems.
- Distributed information systems.
- Health information technology.
- Information security.
- Information technology outsourcing.

- IT infusion and human interface.
- Knowledge management.
- Systems analysis and design.

Comprehensive Examinations

Upon completion of all necessary course work on a student's approved plan of study, the academic unit may initiate the scheduling and administering of a student's comprehensive examinations. The comprehensive examinations consist of a minimum of a written exam and, at the discretion of the academic unit, an oral exam may also be required.

Candidacy

Doctoral students are notified of achieving candidacy status when they receive a letter from the dean of the Graduate College upon 1) passing the comprehensive examinations, and 2) successfully defending the dissertation prospectus.

Dissertation Requirements

Students are required to present a dissertation to satisfy the research requirement for the Ph.D. degree. The dissertation is defended in an oral examination commonly known as the dissertation defense.

Students must be enrolled for at least one credit hour that appears on the plan of study or one hour of appropriate graduate-level credit (such as 795 Continuing Registration) during the semester (including summer session) in which the student defends the dissertation.

Note: For detailed information regarding the university's doctoral degree requirements, please refer to the Graduate College's Doctor of Philosophy policy and procedures.

Maximum Time Limit

Doctoral students must complete all program requirements within a 10-year period. The 10-year period starts with the initial enrollment into the doctoral program. In addition, students must take the final oral examination in defense of the dissertation within five years after passing the comprehensive examinations. Any exception must be approved by the supervisory committee and the dean of the Graduate College and ordinarily involves repetition of the comprehensive examinations.

Admission Requirements: Doctoral applicants admitted to the W.P. Carey School of Business must have demonstrated the following proficiencies:

- Competency in mathematics.
- Strong quantitative ability.
- Competency in the use of computer technology for analytical purposes.
- An undergraduate degree in a related field from an accredited university.
- Masters or M.B.A. is recommended (30 credits may count towards the minimum total of 84 hours of coursework in our doctoral program).
- At least two years of full-time related work experience is recommended.
- GMAT score.

All applicants are required to submit the Graduate College online application and the supplemental application materials required by the department. International applicants whose native language is not English must submit scores from the Test of English as a Foreign Language (TOEFL). For more information on requirements, please review the program's website. Please also review the Graduate College website for specific ASU admission requirements.

Applications are reviewed by the department's faculty committee using a portfolio approach. The committee will review each individual application and examine all parts equally.

Contact Information:

Business, W. P. Carey School of
Business Administration

<http://wpcarey.asu.edu/information-systems/doctoral/overview.cfm>

BA 301P

wpcareyis@asu.edu

480-965-3252

Business Administration (Finance), PHD (BAFINANPHD)

Online Degree Search Title: Finance (PhD)

Campus: TEMPE

Program Description: The primary objective of the Ph.D. program in finance is to train students for careers as professors of finance at major research universities. The program provides a challenging course of study in the most recent developments in both the theoretical and empirical aspects of financial economics. This course of study, along with work in economics and statistics, serves as preparation for understanding and critical analysis of current issues in finance.

Degree Requirements: 84 credit hours, a Written Comprehensive Exam, a Prospectus and a Dissertation.

Plan of Study

At least 30 hours (which may include research credit) of the approved doctoral program and 12 dissertation hours must be completed after admission to the student's doctoral program. Students may not apply credit hours earned for a doctoral degree previously awarded at ASU or another institution toward their current ASU doctoral degree. However, at the individual academic unit's discretion, students may apply up to 30

relevant credit hours from a previously awarded master's toward their doctoral program of study.

Comprehensive Examinations

Upon completion of all necessary course work on a student's approved program of study, the academic unit may initiate the scheduling and administering of a student's comprehensive examination. The comprehensive examination consists of a minimum of a written exam and, at the discretion of the academic unit, an oral exam may also be required.

Candidacy

Doctoral students are notified of achieving candidacy status when they receive a letter from the dean of the Graduate College upon 1) passing the comprehensive examinations, and 2) successfully defending the dissertation prospectus.

Dissertation Requirements

Students are required to present a dissertation to satisfy the research requirement for the doctorate. The dissertation is defended in an oral examination commonly known as the dissertation defense.

Students must be enrolled for at least one credit hour that appears on the program of study or one hour of appropriate graduate-level credit (such as 795 Continuing Registration) during the semester (including summer session) in which the student defends the dissertation.

Note: For detailed information regarding the university's doctoral degree requirements, please refer to the Graduate College's Doctor of Philosophy policy and procedures.

Maximum Time Limit

Doctoral students must complete all program requirements within a 10-year period. The 10-year period starts with the initial enrollment into the doctoral program. In addition, the student must take the final oral examination in defense of the dissertation within five years after passing the comprehensive examinations. Any exception must be approved by the supervisory committee and the dean of the Graduate College, and ordinarily involves repetition of the comprehensive examinations.

Admission Requirements: Admission to the doctorate in business administration with a concentration in finance is granted to applicants who present convincing evidence of high-order analytical skills, intellectual curiosity and the ability to work independently in pursuing scholarly research. Applicants should possess the intellectual curiosity and discipline required for original inquiry.

In addition to the general requirements of the Graduate College, applicants must submit:

- An online Graduate College application.
- Three academic letters of recommendation.
- Scores from the GMAT or GRE.
- A brief statement of their career objectives.
- Their resume.

While many accepted students have an M.B.A. or M.S. in a business-related field, others have a background in other areas, such as engineering, economics, mathematics, physics or political science.

Contact Information:

Business, W. P. Carey School of

Business Administration

<http://wpcarey.asu.edu/finance>

BAC 519

wpcareyfin@asu.edu

480-965-3131

Business Administration (Management), PHD (BAMGMTPHD)

Online Degree Search Title: Management (PhD)

Campus: TEMPE

Program Description: The Department of Management offers students the opportunity to obtain a Ph.D. in business with a concentration in management. The doctoral program places primary emphasis on the development of research competence and also emphasizes teaching as a vehicle to academic professionalism. It is not intended for those seeking careers in industry or consulting. The mission of the program is the development of scholars who are prepared to assume the diverse responsibilities of faculty positions at leading research universities. Although management is a broad field, this doctoral program is best suited for students interested in specializing in organizational behavior and/or strategic management.

Degree Requirements: 84 credit hours, a Written Comprehensive Exam, a Prospectus and a Dissertation.

Plan of Study

At least 30 hours (which may include research credit) of the approved doctoral program and 12 dissertation hours must be completed after admission to the doctoral program. Students may not apply credit hours earned for a doctoral degree previously awarded at ASU or another institution toward their current ASU doctoral degree. However, at the individual academic unit's discretion, students may apply up to 30 credit hours from a previously awarded master's degree toward their doctoral program of study.

Doctoral students are required to commit full time to the program, at least until they have successfully defended the dissertation proposal. Full-time enrollment entails a minimum of six hours of course work in any regular academic semester. To reach a total of 84 credit hours for the program, most students enroll for nine to 12 credit hours per semester. In addition, students work closely with faculty members through a research assistantship. The program is relatively small, with an emphasis on high quality; we provide a great deal of individual attention and mentoring to our

students.

Comprehensive Examinations

Upon completion of all necessary course work on a student's approved program of study, the academic unit may initiate the scheduling and administering of a student's comprehensive examinations. The comprehensive examinations consist of a minimum of a written exam and, at the discretion of the academic unit, an oral exam may also be required.

Candidacy

Doctoral students are notified of achieving candidacy status when they receive a letter from the dean of the Graduate College upon 1) passing the comprehensive examinations, and 2) successfully defending the dissertation proposal.

Dissertation Requirements

Students are required to present a dissertation to satisfy the research requirement for the doctorate. The dissertation is defended in an oral examination commonly known as the dissertation defense.

Students must be enrolled for at least one credit hour that appears on the plan of study or one hour of appropriate graduate-level credit (such as 795 Continuing Registration) during the semester (including summer sessions) in which the student defends the dissertation.

Maximum Time Limit

Doctoral students must complete all program requirements within a 10-year period. The 10-year period starts with the semester and year of admission to the doctoral program. In addition, students must take the final oral examination in defense of the dissertation within five years after passing the comprehensive examinations. Therefore, the maximum time limit is the shortest of the following: 1) time period since initial enrollment (10-year time limit), or 2) time after passing the comprehensive exams (5-year time limit).

Any exception must be approved by the supervisory committee and the Graduate College dean, and ordinarily involves repetition of the comprehensive examinations.

Admission Requirements: Applications are initially reviewed by a faculty committee using a portfolio approach. Materials are reviewed to ensure a good "fit" between students' goals and research interests and those of the department. Recommendations for action are then made to the Graduate College. The Graduate College admits or denies each applicant and notifies them in writing.

All applicants must submit:

- The Graduate College online application.
- GMAT scores and prior academic performance records.
- Three letters of recommendation.
- A personal statement.
- Employment summary.
- Applicants from a country whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Contact Information:

Business, W. P. Carey School of

Business Administration

<http://wpcarey.asu.edu/management-degree/doctoral/index.cfm>

BA 323

wpcareymgt@asu.edu

480-965-3431

Business Administration (Marketing), PHD (BAMARKPHD)

Online Degree Search Title: Marketing (PhD)

Campus: TEMPE

Program Description: The Ph.D. program is for those students who want to become full-time professors at research-oriented universities. It is not intended for people who want to work in industry positions. It is a full-time program only, and students take all their courses on campus.

All students complete a core curriculum, yet tailor their work to achieve personal goals. For those who already hold a master's, our program is designed to be completed in four years. For those who hold a bachelor's, the program is designed to be completed in five years.

Degree Requirements: 84 credit hours, a Written Comprehensive Exam, a Prospectus and a Dissertation.

Plan of Study

At least 30 hours (which may include research credit) of the approved doctoral program and 12 dissertation hours must be completed after admission to the doctoral program. Students may not apply credit hours earned for a doctoral degree previously awarded at ASU or another institution toward their current ASU doctoral degree. However, at the individual academic unit's discretion, students may apply up to 30 credit hours from a previously awarded master's degree toward their doctoral program of study.

Comprehensive Examinations

Upon completion of all necessary course work on a student's approved program of study, the academic unit may initiate the scheduling and administering of a student's comprehensive examinations. The comprehensive examinations consist of a minimum of a written exam and, at the discretion of the academic unit, an oral exam may also be required.

Candidacy

Doctoral students are notified of achieving candidacy status when they receive a letter from the dean of the Graduate College upon 1) passing the

comprehensive examinations, and 2) successfully defending the dissertation proposal.

Dissertation Requirements

Students are required to present a dissertation to satisfy the research requirement for the doctorate. The dissertation is defended in an oral examination commonly known as the dissertation defense.

Students must be enrolled for at least one credit hour that appears on the program of study or one hour of appropriate graduate-level credit (such as 795 Continuing Registration) during the semester (including summer session) in which the student defends the dissertation.

Note: For detailed information regarding the university's doctoral degree requirements, please refer to the Graduate College's Doctor of Philosophy policy and procedures.

Maximum Time Limit

Doctoral students must complete all program requirements within a 10-year period. The 10-year period starts with the initial enrollment into the doctoral program. In addition, students must take the final oral examination in defense of the dissertation within five years after passing the comprehensive examinations. Any exception must be approved by the supervisory committee and the dean of the Graduate College, and ordinarily involves repetition of the comprehensive examinations.

Admission Requirements: Applications are initially reviewed by a faculty committee using a portfolio approach. Materials are reviewed to ensure a good "fit" between the student's goals and research interests and those of the department. Recommendations for action are then made to the Graduate College. The Graduate College admits or denies each applicant and notifies them in writing.

All applicants must submit:

- The Graduate College online application.
- GMAT or GRE scores and prior academic performance records.
- Letters of recommendation.
- A personal statement.
- Applicants from a country whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Contact Information:

Business, W. P. Carey School of

Business Administration

<http://wpcarey.asu.edu/>

BAC 460

wpcareymkt@asu.edu

480-965-3621

Business Administration (Supply Chain Management), PHD (BASCMPHD)

Online Degree Search Title: Supply Chain Management (PhD)

Campus: TEMPE

Program Description: The objective of the Ph.D. in business administration with a concentration in supply chain management (SCM) is to prepare scholars to conduct high-quality research and teach in the field of supply chain management. Supply chain management incorporates the core areas of logistics, operations management and sourcing/purchasing.

It is a full-time residential program for students whose career goals are full-time university research and teaching upon completion of the degree.

Students are trained to competently recognize SCM-related problems, frame these problems into research questions and address them in a scholarly manner. Students are required to review, analyze, conduct and publish research through a series of doctoral seminars and supplemental course work that encourages creativity and critical thinking.

Degree Requirements: 84 credit hours, a Written Comprehensive Exam, a Prospectus and a Dissertation.

The doctoral program requires the completion of course work, the completion of academic papers for submission to journals, a comprehensive exam and a dissertation. The program is generally viewed as a four-year process. Most students will serve in research assistantships for all four years. During the program, students are expected to actively participate in required courses as well as in seminars and presentations from colleagues, department faculty and visiting scholars. Students will also have the opportunity to teach courses during their doctoral program. Teaching assistantships will typically be made available during the last two years of the program. This will allow doctoral students to get research projects and manuscripts into the multi-year pipeline typical of accepted research articles. Through our areas of excellence, centers and faculty, the SCM program has special opportunities for industry-based research projects.

Course Work

The doctoral program consists of a minimum of 84 credit hours of approved graduate course work beyond the bachelor's degree. The department requires doctoral students to take 48 credit hours of graduate course work in residence at ASU during their first two years. The specific classes must be approved by faculty members in the students' areas of excellence. Students are also required to take 12 hours of research and 12 hours of dissertation credit. A maximum of 12 credits can be transferred from previous graduate course work. Moreover, each student's program of study must be approved in advance by their program chair.

Academic Papers

Students are expected to work on academic papers for submission to journals during their doctoral program. Summer months are intended for manuscript writing for those students who have yet to successfully defend their dissertation proposals. At the end of each summer, all doctoral

students are required to have at least one new manuscript ready for submission to a journal for publication. Faculty in the areas of excellence will supervise manuscript planning and writing. The bulk of the writing is to be done during the summer by the students. Faculty in the students' areas of excellence will evaluate the papers and provide detailed feedback and instructions for rewriting of papers.

Comprehensive Examinations

Upon completion of all necessary course work on a student's approved program of study, the academic unit may initiate the scheduling and administering of a student's comprehensive examinations. The comprehensive examinations consist of a minimum of a written exam and, at the discretion of the academic unit, an oral exam may also be required.

Candidacy

Doctoral students are notified of achieving candidacy status when they receive a letter from the dean of the Graduate College upon 1) passing the comprehensive examinations, and 2) successfully defending the dissertation prospectus.

Dissertation Requirements

Students are required to present a dissertation to satisfy the research requirement for the doctorate. The dissertation is defended in an oral examination commonly known as the dissertation defense.

Students must be enrolled for at least one credit hour that appears on the program of study or one hour of appropriate graduate-level credit (such as 795 Continuing Registration) during the semester (including summer session) in which the student defends the dissertation.

Note: For detailed information regarding the university's doctoral degree requirements, please refer to the Graduate College's Doctor of Philosophy policy and procedures.

Maximum Time Limit

Doctoral students must complete all program requirements within a 10-year period.

Admission Requirements: Applications are initially reviewed by a faculty committee using a portfolio approach. Materials are reviewed to ensure a good "fit" between students goals' and research interests and those of the department. Recommendations for action are then made to the Graduate College. The Graduate College admits or denies each applicant and notifies them in writing.

All applicants must submit:

- The Graduate College online application.
- GMAT scores and prior academic performance records.
- Letters of recommendation.
- A personal statement.
- Applicants from a country whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Contact Information:

Business, W. P. Carey School of

Business Administration

<http://wpcarey.asu.edu/scm>

BA 446

wpcarey.scm@asu.edu

480-965-6044

Commerce, MS (BACMRMS)

Online Degree Search Title: Management (MS)

Campus: TEMPE

Program Description: Arizona State University's W.P. Carey School of Business M.S. in management is an innovative business degree program providing new liberal arts, science, engineering and other nonbusiness graduates with the intellectual and professional skills needed to succeed in today's business environment. This is a one-year program designed to develop 1) critical thinking skills as applied to fundamental business procedures and processes, and 2) leadership skills. It is also designed to bridge the gap between academic preparation and real-world business applications.

Graduates of this program will have the capability and motivation to rapidly progress in any profession where business plays an important role. The commerce program differs substantially from a traditional M.B.A. program in that no work experience is required for admission and the course work is completed in one year, giving a broad overview of the essentials of managerial decision-making.

Degree Requirements: 36 credit hours including a Capstone Course (MGT 591).

The following three-credit courses are required:

ACC 502 Financial Accounting

CIS 502 Information Systems

ECN 501 Statistics for Managers

ECN 502 Managerial Economics

FIN 502 Managerial Finance

MGT 502 Organization Theory and Behavior

MGT 588 Strategic Leadership

MGT 587 Topic: Entrepreneurial Consulting Projects
MGT 591 Topic: Leadership
MGT 591 Topic: Negotiations
MKT 502 Marketing Management
SCM 591 Topic: Sustainability & Social Responsibility

Admission Requirements: The W. P. Carey School of Business seeks exceptional individuals who have completed all their undergraduate degree requirements before enrolling in the management master's program. This program is open only to nonbusiness majors who want to add business knowledge and skills to their portfolios. Applicants must be highly motivated and have strong intellectual capabilities. The admissions committee looks for outstanding academic credentials; character qualities such as maturity, integrity, leadership; and diversity in perspectives and experiences. Students must submit an online Graduate College application for admission to the program. They must also submit the following to the W. P. Carey School of Business:

- Resume.
- Statement of purpose.
- Official transcripts of all course work completed at institutions other than ASU.
- GMAT and/or GRE test scores.
- One letter of recommendation.

Applicants should have a cumulative GPA of 3.00 or higher and a competitive GMAT or GRE score. Applicants with a GPA below 3.00 should contact department for GMAT and GRE score requirements.

Students with an undergraduate degree in business are not eligible to apply.

International applicants must meet the Graduate College's English proficiency requirements.

Application deadlines: Priority will be given to applicants who apply early. For a list of deadlines, please visit the school website.

Contact Information:

Business, W. P. Carey School of
Dean, W.P. Carey School of Business
<http://wpcarey.asu.edu/masters-management/index.cfm>
BAC 160
mim@asu.edu
480-965-3332

Economics, PHD (BAECONPHD)

Online Degree Search Title: Economics (PhD)

Campus: TEMPE

Program Description: The Ph.D. program in economics is a full-time program intended to prepare students for teaching and research positions at four-year institutions of higher education, and research positions in public agencies or private business organizations. The doctoral program is relatively small in size, with about 40 doctoral students in residence at any time. The low student-faculty ratio allows us to provide greater faculty attention and mentoring compared to larger programs. Students are involved in teaching, research and seminar activities, becoming valued members of the department. Most of our doctoral students are supported through teaching and research assistantships for four years. Stipends are highly competitive with any graduate program in the country.

Degree Requirements: 84 credit hours, a Written Comprehensive Exam, an Oral Comprehensive Exam, a Prospectus and a Dissertation. In addition to completing 60 credit hours beyond the bachelor's (30 credit hours beyond the master's) and 24 credit hours of research and dissertation, the doctoral student must accomplish five tasks:

- Meet the qualification requirement.
- Present at least one area of emphasis.
- Pass the comprehensive examination.
- Pass the dissertation proposal defense.
- Complete a dissertation with an oral defense.

See the Department of Economics graduate student handbook for details concerning these tasks.

Admission Requirements:

- All applicants to the doctoral program in economics must have a bachelor's or equivalent.
- Each applicant must submit an online application form, fee and other materials to the ASU Graduate College; admission guidelines are available from the Graduate College.
- The Department of Economics requires applicants to send scores from the aptitude portion of the GRE. Applications will not be reviewed until the GRE score is received.
- Applicants whose first language is not English must satisfy English proficiency (see the Graduate College website).

- Applicants are required to submit three letters of reference to the doctoral program director in the Department of Economics.

Our admissions policy weighs several factors including letters of reference, overall GPA, GRE scores and performance in selected mathematics and economics courses. We have no absolute standards for any of the factors, but performance on each clearly should suggest academic potential that is far above those of the normal undergraduate student.

Application deadline for fall admission is Jan. 15.

Contact Information:

Business, W. P. Carey School of
Department of Economics
<http://wpcarey.asu.edu/>
CPCOM 412
wpcareyecn@asu.edu
480-965-3531

Global Financial Management, DBA (BAGFMDBA)

Online Degree Search Title: Global Financial Management (DBA)

Campus: TEMPE

Program Description: To accelerate China's pace of global integration, the W. P. Carey School of Business at Arizona State University and Shanghai Advanced Institute of Finance (SAIF) are jointly launching a Doctor of Business Administration (DBA) in global financial management program in China. The D.B.A. is an applied research professional doctorate designed for senior corporate leaders and government officials in China seeking a terminal degree alternative to the traditional Ph.D. intended for those pursuing an academic career. The leaders emerging from this program will transform China's economic structure, its financial markets and shape the future of China's leadership roles in the global economy of the 21st century. This degree will only be offered in China.

Degree Requirements: 84 credit hours, a Written Comprehensive Exam, an Oral Comprehensive Exam, a Prospectus and a Dissertation.

- 30 credit hours from an awarded master's degree
- 27 required core credit hours
- 6 elective credit hours
- 9 required research credit hours
- 12 credit hours of DBA 799 Dissertation

Admission Requirements:

- Minimum of a 3.00 cumulative GPA (scale is 4.00=A) in the last 60 hours of a student's bachelor's degree program. A minimum GPA of 3.00 is required in the Master's work for acceptance into the Ph.D. program.
- Minimum of a graduate degree from a regionally accredited college or university of recognized standing in a related field such as Master of Business Administration, Master of Economics, Master of Finance, Master of Accountancy or related field of specialization in business.

English proficiency requirement for International applicants is not required

This degree will only be offered in China. All applicants are required to contact the program coordinator before submitting the Graduate College online application.

Contact Information:

Business, W. P. Carey School of
Dean, W.P. Carey School of Business
<http://wpcarey.asu.edu/dba>
BA 252D
wpcareydba@asu.edu
480-965-6635

Information Management, MS (BAINFOMS)

Online Degree Search Title: Information Management (MS)

Campus: ONLNE, TEMPE

Program Description: The M.S. in information management (MSIM) is a degree program designed for working professionals offered in an evening or online format. The W. P. Carey MSIM program will prepare students to manage in an information technology (IT) environment. Students will also learn the business skills needed to leverage IT, to gain a competitive advantage in the global economy.

The evening MSIM is 12-month program that starts in June. The online MSIM is a 16-month program that starts in January or August.

Degree Requirements: MSIM Evening or Online: 30 credit hours and an Applied Project, or MSIM/MBA Dual Degree: 30 credit hours and an Applied Project.

MSIM Evening: 30 credit hours and an Applied Project, or MSIM/M.B.A. Dual Degree: 30 credit hours and an Applied Project.

The M.S. in information management is offered in a 12-month evening format or 16-month online format. The MSIM program requires 30 credit hours of course work and an applied project.

With an innovative curriculum that deepens the synthesis of information, technology and business, the W. P. Carey MSIM combines the best of both worlds--a leading-edge IM education and one of the nation's top ranked business schools. Please access the program website for a list of courses.

Admission Requirements: Minimum requirements for admission to the Master of Science in information management program are:

- Two years of full-time related work experience.
- An undergraduate degree in a related field from an accredited university.
- Completed prerequisite college-level courses or equivalent experience in statistics, brief calculus and a programming language.

All applicants are required to submit the Graduate College online application and the supplemental application materials required by the department. Complete application instructions may be obtained from the department's website. The GMAT exam is not required. International applicants whose native language is not English must submit scores from the Test of English as a Foreign Language (TOEFL).

Contact Information:

Business, W. P. Carey School of
Department of Information Systems

<http://wpcarey.asu.edu/master-information-management/index.cfm>

BA 301P

wpcareymsim@asu.edu

480-965-3252

Real Estate Development, MREDev (ARREMREDEV)

Online Degree Search Title: Real Estate Development (MRED)

Campus: TEMPE

Program Description: The Arizona State University Master of Real Estate Development (MRED) is one of the leading programs offered through the nationally ranked and recognized W. P. Carey School of Business, in partnership with the Sandra Day O'Connor College of Law, the Herberger Institute for Design and the Arts, and the DeI E. Webb School of Construction. The program offers a truly transdisciplinary approach to real estate development education through a full-immersion curriculum that explores the development process in its entirety.

The program partnerships are the key to encompassing all facets of the real estate development process. Students receive core knowledge through a transdisciplinary curriculum that offers real-world application through synthesis projects utilizing actual locations with variable situations.

During the one-year program, students learn how to locate, analyze and consider the physical, legal, economic, political and financial conditions impacting the use of property and the critical analysis required for a successful project. Graduates of the program are prepared to undertake mid- and senior-level management responsibility for small to large development and investment companies. They enter the real estate development industry with a keen awareness of developing projects that are financially viable, economically desirable, politically acceptable, environmentally respectful, socially responsible and contextually and artfully designed.

Degree Requirements: 30 credit hours and an Applied Project.

The program is offered in an intense format covering two academic semesters. Students take required core course modules in a variety of formats, including:

- Comprehensive module exams to assess aggregate knowledge.
- Face-to-face classroom instruction.
- Group work.
- Independent research.
- Synthesis projects.
- Topical quizzes.
- Weekly assignments.

Admission Requirements: Applicants must submit an online Graduate College application.

To be eligible for admission to graduate studies, students must have 1) a bachelor's degree or equivalent from a regionally accredited institution, and 2) a 3.00 GPA.

Additional supplemental application materials include:

- A GMAT, LSAT, GRE test score or petition for waiver (five or more years of industry-relevant experience required).
- Three letters of recommendation.
- Resume and personal statement addressing area of interest and relevancy to career goals.

- Official transcripts.
- TOEFL exam score (international students).

Contact Information:

Business, W. P. Carey School of
Department of Finance
<http://mred.wpcarey.asu.edu/>
BA 456
mred@asu.edu
480-965-8517

Supply Chain Management (certificate), CERT (BASCMCERT)

Online Degree Search Title: Supply Chain Management (Grad Certificate)

Campus: ONLNE

Program Description: The certificate is composed of five, three-credit online courses in supply chain management, each five weeks in length. The content of the courses is tightly integrated and offers a comprehensive coverage of core topics in supply chain management. The intended audiences for the certificate include working professionals who are graduates of general management undergraduate or graduate business programs who wish to supplement their degrees with focused, graduate-level courses in supply chain management, and they are either 1) relatively new to supply chain management and desire a foundational knowledge of supply chain management complexities as well as a strong understanding of how companies leverage their supply chains to achieve competitive advantage, or 2) experienced supply chain management professionals who wish to update their knowledge of current thinking and best practices through interaction with faculty engaged in broad-based research and consulting.

Degree Requirements: 15 credit hours including a Capstone Course (SCM 532).

The following courses are required for this certificate:

SCM 502 (3)
SCM 520 (3)
SCM 521 (3)
SCM 532 (3)
SCM 541 (3)

Admission Requirements: All applicants must submit the Graduate College online application and meet Graduate College admission requirements. In addition, applicants should have a minimum of two years full-time work experience.

Contact Information:

Business, W. P. Carey School of
Business Administration
<http://wpcarey.asu.edu/professional-development/SCM/scm.cfm>
BAC 419
wpcarey.execed@asu.edu
480-965-7579

Taxation, MTax (BATAMTAX)

Online Degree Search Title: Taxation (MTax)

Campus: TEMPE

Program Description: The faculty in the School of Accountancy offer a specialized professional program leading to the M.Tax. The M.Tax. is a specialized degree program designed to equip students with the highly technical and demanding skills required to provide tax and business advice in the private sector and to administer tax laws in the public sector of the economy. The program prepares students for positions in taxation and provides graduate-level education for tax professionals who desire to enhance their skills.

Degree Requirements: 30 credit hours including a Capstone (ACC 589).

The M.Tax. program offers two cohort-based programs; one evening, part-time program and one evening, full-time program. The part-time program is spread over the course of two academic years, and the full-time program is completed in one academic year. Applicants must complete program prerequisites prior to admission to the M.Tax. program. Please refer to the School of Accountancy website for a current listing of required course prerequisites. Graduate-level accounting courses are only open to students admitted to the graduate program.

Admission Requirements:

- Applicants to the M.Tax. program are required to submit an online application to the Graduate College. Complete application instructions may be

obtained from the school's website.

- Applicants must submit scores from the Graduate Management Admissions Test (GMAT).
- All applicants are also required to submit the supplemental application materials required by the School of Accountancy.
- International applicants whose native language is not English must submit scores from the Test of English as a Foreign Language (TOEFL) exam.

Preference in admission is given to those with degrees in accounting, finance and business, although other exceptional candidates are considered.

Contact Information:

Business, W. P. Carey School of
School of Accountancy
<http://wpcarey.asu.edu/accounting>
BA 223Q
wpcareyacc@asu.edu
480-965-3631

W. P. Carey MBA, MBA (BACORPMBA)

Online Degree Search Title: W. P. Carey MBA - Custom Corporate Program

Campus: TEMPE

Program Description: The custom corporate M.B.A. program is designed for participants from a single company. Participants are nominated to attend the program by their company, and receive a solid, core curriculum with optional specializations. The custom corporate M.B.A. program offers flexible part-time delivery modes, using online, on-ground and blended courses. Possible features that can be incorporated into the custom programs are: company-specific applied projects, guest teaching from corporate leaders and intensive residential sessions.

Degree Requirements: 48 credit hours including a Capstone Course (MGT 589).

The custom corporate M.B.A. program requires that students be nominated into the program by the sponsoring company.

Admission Requirements: Applicants must submit the Graduate College online application and meet Graduate College admission requirements and the guidelines established by the custom corporate M.B.A. program.

Contact Information:

Business, W. P. Carey School of
MBA Programs
<http://wpcarey.asu.edu/mba/custom-corporate/index.cfm>
BAC 419
wpcarey.execed@asu.edu
480-965-7579

W. P. Carey MBA, MBA (BAEVEAMBA)

Online Degree Search Title: W. P. Carey MBA - Weekend Program

Campus: TEMPE

Program Description: The purpose of the W. P. Carey M.B.A. is to provide a solid foundation and knowledge base in the core business disciplines, to develop analytic capabilities, decision-making and leadership skill sets essential to making sound business decisions. The curriculum is delivered in a case-based, team oriented, and discussion learning environment. Elective courses provide additional depth and breadth to enhance an area of emphasis, students' knowledge base and career goals. The weekend M.B.A. is designed for working professionals seeking to continue working full-time while attending school. The program starts each January, and is completed in 19 months. The M.B.A. program is supported by each of the academic units within the W.P. Carey School of Business.

Degree Requirements: 48 credit hours including a Capstone Course (MGT 589).

While there are no business course prerequisites, potential students must demonstrate strong quantitative ability and effective written and oral communication skills.

The core courses are designed to provide a foundation in business knowledge and skills and must be taken in the prescribed sequence. Elective courses build upon the business core and center on the further development of an optional area of emphasis. There may be additional requirements that vary by area of emphasis. The program is completed in 19 months.

The business school does not accept graduate credits earned while students are in nondegree status or courses taken prior to admission to the M.B.A. program, or taken while enrolled in another M.B.A. program outside the W. P. Carey School of Business. Registration in school of business courses numbered 501 and above is limited to students who have been admitted to a graduate degree program and have the approval of the M.B.A. program office.

Foreign Language Requirements

None.

Thesis Requirements

None.

Comprehensive Examination

All students must successfully complete the comprehensive requirement established by the school of business and Graduate College for the M.B.A. The comprehensive culminating experience is integrated with MGT 589 Strategic Management. Students passing this course with a grade of "B" (3.00) or higher satisfy the comprehensive examination requirement.

Admission Requirements:

- All applicants must submit the Graduate College online application.
- All students applying to the weekend M.B.A. are required to take the GMAT. The GRE will be considered in lieu of the GMAT. For more information on the GMAT, see <http://www.mba.com> (<http://www.mba.com>).
- Proof of English proficiency is required of all international applicants whose native language is not English. For more information, visit http://graduate.asu.edu/admissions/international/english_proficiency (http://graduate.asu.edu/admissions/international/english_proficiency).
- Applicants to the weekend M.B.A. should have at least two years of full-time work experience by the date of enrollment.
- Applicants should submit three essays addressing commitment, career goals, professional accomplishments, qualifications and reasons for interest in the program.
- One set of sealed, official transcripts from every college and university attended must be submitted.
- Applicants also must provide two letters of recommendation that comment on their motivation, commitment, achievements, work experience and opportunity for success in the program.
- A personal interview may also be required.

Contact Information:

Business, W. P. Carey School of
MBA Programs
<http://www.wpcarey.asu.edu/mba>
BA 160
wpcareymba@asu.edu
480-965-3332

W. P. Carey MBA, MBA (BAEVENMBA)

Online Degree Search Title: W. P. Carey MBA - Evening Program

Campus: TEMPE, WEST

Program Description: The purpose of the W. P. Carey School of Business M.B.A. program is to provide a solid foundation and knowledge base in the core business disciplines, to develop analytic capabilities, decision-making and leadership skill sets essential to making sound business decisions. The curriculum is delivered in a case-based, team oriented, and discussion learning environment. Elective courses and technical certificates provide additional depth and breadth, to enhance an area of emphasis, students' knowledge base and career goals. The evening M.B.A. is designed for working professionals seeking to continue working full time while attending school. The program starts in August and is completed in 21 months.

The M.B.A. program is supported by each of the academic units within the W. P. Carey School of Business.

Degree Requirements: 48 credit hours including a Capstone Course (MGT 589).

While there are no business course prerequisites, potential students must demonstrate strong quantitative ability and effective written and oral communication skills.

The core courses are designed to provide a foundation in business knowledge and skills and must be taken in the prescribed sequence. Elective courses build upon the business core and center on the further development of an area of emphasis. There may be additional requirements that vary by area of emphasis. The program is completed in 21 months.

The business school does not accept graduate credits earned while students are in nondegree status or courses taken prior to admission to the M.B.A. program or taken while enrolled in another M.B.A. program outside the W. P. Carey School of Business. Registration in school of business courses numbered 501 and above is limited to students who have been admitted to a graduate degree program and have the approval of the M.B.A. program office.

Foreign Language Requirements

None.

Thesis Requirements

None.

Comprehensive Examination

All students must successfully complete the comprehensive requirement established by the school of business and Graduate College for the M.B.A. The comprehensive culminating experience is integrated with MGT 589 Strategic Management. Students passing this course with a grade of "B" (3.00) or higher satisfy the comprehensive examination requirement.

Admission Requirements:

- All applicants must submit the Graduate College online application.
- All students applying to the evening M.B.A. are required to take the GMAT. The GRE will be considered in lieu of the GMAT.
- Proof of English proficiency is required of all international applicants whose native language is not English.
- Applicants to the evening M.B.A. should have at least two years of full-time work experience by the date of enrollment.
- Applicants should submit three essays addressing commitment, career goals, professional accomplishments, qualifications and reasons for interest in the program.
- One set of sealed, official transcripts from every college and university attended must be submitted.
- Applicants also must provide two letters of recommendation that comment on their motivation, commitment, achievements, work experience and opportunity for success in the program.
- A personal interview may also be required.

Contact Information:

Business, W. P. Carey School of
 MBA Programs
<http://www.wpcarey.asu.edu/mba>
 BA 160
 wpcareymba@asu.edu
 480-965-3332

W. P. Carey MBA, MBA (BAEXECMBA)

Online Degree Search Title: W. P. Carey MBA - Executive Program

Campus: TEMPE

Program Description: The purpose of the W. P. Carey School of Business M.B.A. program is to provide a solid foundation and knowledge base in the core business disciplines, to develop analytic capabilities and decision-making and leadership skill sets to effectively integrate decisions into the business environment. The executive M.B.A. is designed for managers who have significant experience managing people, projects and budgets. Classes begin in the fall and meet twice monthly on Fridays and Saturdays. This allows the opportunity to minimize time away from work, maximize time for studying and class preparation and is flexible enough to accommodate travel for students who are regional as well as local. The executive M.B.A. is completed in 21 months.

The M.B.A. program is supported by each of the academic units within the W.P. Carey School of Business. Curriculum information can be found on the school website.

Degree Requirements: 48 credit hours including a Capstone Course (MGT 589).

While there are no business course prerequisites, potential students must demonstrate strong quantitative ability and effective written and oral communication skills.

The executive curriculum must be taken in the prescribed sequence and is augmented by a series of lectures on thought leadership and off-site learning programs, including a business and public policy course in Washington, D.C. An additional off-site course exploring issues and strategies in the global business environment is held in partnership with an international business school. The program is completed in 21 months.

The business school does not accept graduate credits earned while students are in nondegree status or courses taken prior to admission to the M.B.A. program or taken while enrolled in another M.B.A. program outside of the W.P. Carey School of Business. Registration in school of business courses numbered 501 and above is limited to students who have been admitted to a graduate degree program and have the approval of the M.B.A. program office.

Foreign Language Requirements

None.

Thesis Requirements

None.

Comprehensive Examination

All students must successfully complete the comprehensive requirement established by the school of business and Graduate College for the M.B.A. The comprehensive culminating experience is integrated with MGT 589 Strategic Management. Students passing this course with a grade of "B" (3.00) or higher satisfy the comprehensive examination requirement.

Admission Requirements:

- All applicants must work directly with executive M.B.A. admission staff in order to complete the application process.
- Applicants applying to the executive M.B.A. should have significant work experience managing projects, people and budgets.
- Proof of English proficiency is required of all international applicants whose native language is not English. For more information visit http://graduate.asu.edu/admissions/international/english_proficiency (http://graduate.asu.edu/admissions/international/english_proficiency).
- Applicants should submit three essays addressing commitment, goals, qualifications, professional accomplishments and reasons for interest in the program.
- Applicants also must provide two letters of recommendation that comment on their motivation, commitment, achievements, work experience and opportunity for success in the program.
- One set of sealed, official transcripts from every college and university attended must be submitted.
- A personal interview is required, by invitation only.

Contact Information:

Business, W. P. Carey School of
MBA Programs
<http://www.wpcarey.asu.edu/mba/exe>
BA 160
wpcareymba@asu.edu
480-965-3332

W. P. Carey MBA, MBA (BAFULLMBA)

Online Degree Search Title: W. P. Carey MBA - Full-Time Program

Campus: TEMPE

Program Description: The purpose of the W. P. Carey School of Business M.B.A. program is to provide a solid foundation and knowledge base in the core business disciplines, to develop analytic capabilities, decision-making and leadership skill sets essential to making sound business decisions. The curriculum is delivered in a case-based, team oriented learning environment. A specialization in a functional area provides additional depth and breadth to further enhance students' knowledge base and focus career goals. The full-time M.B.A. is designed for individuals who want to immerse themselves in full-time graduate studies and take classes during the day. Small class size in the program supports individual learning, promotes student-faculty interaction, and encourages personal and professional development.

The M.B.A. program is supported by each of the eight academic units within the W. P. Carey School of Business.

Degree Requirements: 48 credit hours including a Capstone Course (MGT 589).

While there are no business course prerequisites, potential students must demonstrate strong quantitative ability as well as effective written and oral communication skills.

The core courses are designed to provide a foundation in business knowledge and skills and must be taken in the prescribed sequence. Elective or specialization courses build upon the business core and center on the further development of a specialization. There may be additional requirements that vary by specialization. The program is typically completed in two years, with a required internship in the summer between the first and second year of study.

The business school does not accept graduate credits earned while students are in nondegree status or courses taken prior to admission to the M.B.A. program or taken while enrolled in another M.B.A. program outside of the W.P. Carey School of Business. Registration in school of business courses numbered 501 and above is limited to students who have been admitted to a graduate degree program and have the approval of the M.B.A. program office.

Foreign Language Requirements

None.

Thesis Requirements

None.

Comprehensive Examination

All students must successfully complete the comprehensive requirement established by the school of business and Graduate College for the M.B.A. The comprehensive culminating experience is integrated with MGT 589 Strategic Management. Students passing this course with a grade of "B" (3.00) or higher satisfy the comprehensive examination requirement.

Admission Requirements:

- All applicants must submit the Graduate College online application.
- All students applying to the full-time M.B.A. are required to take the GMAT. For more information on GMAT please visit <http://www.mba.com> (<http://www.mba.com>).
- Proof of English proficiency is required of all international applicants whose native language is not English.
- Applicants to the full-time M.B.A. should have at least two years of full-time work experience by the date of enrollment.
- Applicants should submit three essays addressing commitment, career goals, professional accomplishments, qualifications and reasons for interest in the program.
- One set of sealed, official transcripts from every college and university attended must be submitted.
- Applicants also must provide two letters of recommendation that comment on their motivation, commitment, achievements, work experience and opportunity for success in the program.
- A personal interview is required, by invitation only.

Contact Information:

Business, W. P. Carey School of
MBA Programs
<http://www.wpcarey.asu.edu/mba>
BA 160
wpcareymba@asu.edu
480-965-3332

W. P. Carey MBA, MBA (BAONLINMBA)

Online Degree Search Title: W. P. Carey MBA - Online Program

Campus: ONLNE

Program Description: The purpose of the W. P. Carey School of Business M.B.A. program is to provide a solid foundation and knowledge base in the core business disciplines, to develop analytic capabilities, decision-making and leadership skill sets essential to making sound business decisions. The curriculum is delivered in a case-based, team oriented learning environment. Elective courses provide additional depth and breadth to enhance an area of emphasis, students' knowledge base and career goals. The online M.B.A. is designed for working professionals seeking to continue working full-time while attending school. The program starts in January and July and is completed in 23 months.

The M.B.A. program is supported by each of the eight academic units within the W. P. Carey School of Business. Curriculum information can be found on school website.

Degree Requirements: 48 credit hours including a Capstone Course (MGT 589).

While there are no business course prerequisites, potential students must demonstrate strong quantitative ability and effective written and oral communication skills. To be successful in an online learning environment, students must also have computer proficiency and expertise in using spreadsheet, word processing and presentation software packages, email and an Internet browser.

The core courses are designed to provide a foundation in business knowledge and skills and must be taken in the prescribed sequence. Elective courses build upon the business core and center on the further development of an area of emphasis. The program is typically completed in less than two years.

The business school does not accept graduate credits earned while students are in nondegree status or courses taken prior to admission to the M.B.A. program or taken while enrolled in another M.B.A. program outside the W. P. Carey School of Business. Registration in school of business courses numbered 501 and above is limited to students who have been admitted to a graduate degree program and have the approval of the M.B.A. program office.

Foreign Language Requirements

None.

Thesis Requirements

None.

Comprehensive Examination

All students must successfully complete the comprehensive requirement established by the school of business and Graduate College for the M.B.A. The comprehensive culminating experience is integrated with MGT 589 Strategic Management. Students passing this course with a grade of "B" (3.00) or higher satisfy the comprehensive examination requirement.

Admission Requirements:

- All applicants must submit the Graduate College online application.
- All students applying to the online M.B.A. are required to take the GMAT. The GRE will be considered in lieu of GMAT.
- Proof of English proficiency is required of all international applicants whose native language is not English. For more information please visit http://graduate.asu.edu/admissions/international/english_proficiency (http://graduate.asu.edu/admissions/international/english_proficiency).
- Applicants to the online M.B.A. should have at least two years of full-time work experience by the date of enrollment.
- Applicants should submit three essays addressing commitment, career goals, professional accomplishments, qualifications and reasons for interest in the program.
- One set of sealed, official transcripts from every college and university attended must be submitted.
- Applicants also must provide two letters of recommendation that comment on their motivation, commitment, achievements, work experience and opportunity for success in the program.
- A personal interview may also be required.

Contact Information:

Business, W. P. Carey School of

MBA Programs

<http://www.wpcarey.asu.edu/mba/online>

BA 160

wpcareymba@asu.edu

480-965-3332

W. P. Carey MBA, MBA (BASHANGMBA)

Online Degree Search Title: W. P. Carey MBA - Shanghai Program

Campus: TEMPE

Program Description: The W. P. Carey School of Business at Arizona State University is directly involved in the development of top leadership in China. In 2003, we launched an executive M.B.A. program in Shanghai, China. The program is delivered in collaboration with Shanghai National Accounting Institute, an entity founded by China's former Premier, Mr. Zhu Rongji, and is under the governance of China's Ministry of Finance.

The business leaders emerging from this program will shape U.S.-Sino trade relationships during China's continued global expansion. These academic programs are the cornerstone of a number of new offerings that include knowledge transfer and access to the highest level of decision-makers in China.

The hallmarks of prestigious programs include two key elements, 1) the faculty and, 2) the students. No other M.B.A. program offers a more impressive list of faculty or students than that in the W. P. Carey School of Business China Program. The faculty includes some of the world's most influential thinkers. Internationally renowned faculty from the W. P. Carey School of Business lead scholars from other prestigious American business schools. The students are equally impressive; many are senior executive leaders of the largest state-owned enterprises in China. For more information, please go to our school website.

Degree Requirements: 48 credit hours including a Capstone Course (MGT 589).

The curriculum consists of 12 courses. It is based on the integration of core management principles, with an immersion in accounting, finance, supply chain management, service marketing, customer relation management and management of services innovation. At the core of the curriculum delivery is emphasis on the practical applications with direct business connectivity. The curriculum also prides itself on its integration of global practices and local market characterizations, to enable participants' ability to excel in the modern economy.

In addition, the curriculum is designed with a strong interdisciplinary focus, while achieving cycle-time efficiency. Each course will be delivered in an intensive manner over two consecutive weekends, with four full days of face-to-face instruction supplemented by online instruction materials to enable learning interactions between faculty and participants.

All students must successfully complete the comprehensive requirement for the M.B.A. established by the school of business and Graduate College. The comprehensive culminating experience is integrated with MGT 589 Strategic Management. Students passing this course with a grade of "B" (3.00 on a scale of 4.00) or higher satisfy the comprehensive examination requirement. A thesis is not required.

Admission Requirements: All applicants are required to contact the program coordinator before submitting the Graduate College online application.

Contact Information:

Business, W. P. Carey School of

MBA Programs

<http://wpcarey.asu.edu/mba/china-program/english/index.cfm>

BA 160

wpcareymba@asu.edu

480-965-4203

Design & the Arts, Herberger Institute for

Architecture, MArch (ARARCMARCH)

Online Degree Search Title: Architecture (MArch)

Campus: TEMPE

Program Description: The M.Arch. is an accredited professional degree program at ASU. There are two programs of study available:

- A two-year program for applicants who have completed the four-year B.S.D. in architectural studies at ASU, or an equivalent degree from another school that offers an accredited professional degree in architecture.
- A three-plus-year program for applicants with an undergraduate degree in a discipline or field other than architecture.

Both programs promote broad areas of knowledge, professional skill and a social awareness that the architect must command if architecture is to enhance contemporary life and remain an enduring and valid expression of society.

Degree Requirements: 56 credit hours including the required course (ADE 622), or 78 credit hours including the required course (ADE 622).

Two-year program

Requirements involve an average of 14 credit hours per semester. A summer internship is required after the first full year of study.

Students who can adequately demonstrate competence through experience or previous academic course work for any of the specific requirements outlined below are encouraged to petition the graduate coordinator for a course substitution.

Typical Plan of Study

First Year

Fall

ADE 521 Advanced Architectural Studio I (5)

ATE 553 Building Systems III (3)

ATE 563 Building Structures III (3)

ATE 598 Sustainability of the Built Environment (3)

Spring

ADE 522 Advanced Architectural Studio II (5)

L/APH 505 Foundation Theory Seminar (3)
ATE 556 Building Development (3)
Herberger Institute professional design elective* (3)
Summer
ARP 584 Clinical Internship (3) or ARP 598 ST: Arch Professional Practice

Second Year

Fall
AAD 515 Current Issues and Topics (3)
ADE 621 Advanced Architectural Studio III (5)
Herberger Institute professional design elective* (3)
Approved elective** (3)

Spring
ADE 622 Advanced Architectural Studio IV (5)
L/AAD 652 Architectural Management II (3)
Approved elective** (3)

* The list of Herberger Institute design electives can be found on the Herberger Institute for Design and the Arts website.

** Elective can be taken outside the college with graduate coordinator approval.

Three-plus-year program

The three-plus-year graduate program requires 24 credit hours of deficiency course work in addition to the master's-level course work, which make up the total number of 102 credit hours of approved courses and electives. For most students, this program involves 15 credit hours in the first summer and 14 to 15 credit hours in each of the subsequent six semesters. A summer internship is required after the second full year of study. Students who can adequately demonstrate previous academic course work for any of the deficiencies are encouraged to petition the graduate coordinator for a course waiver.

Typical Program of Study

Note: Bolded courses are considered deficiencies and do not count toward official program of study.

First Year

Summer

ADE 510 Foundation Architectural Studio (6)
ALA 102 Architecture, Landscape Architecture and Society (1st five-week session) (3)
ALA 236 Computers in Landscape Architecture (1st five-week session) (3)
APH 509 Foundation Seminar (2nd five-week session) (3)

Fall

ADE 511 Core Architectural Studio (6)
APH 313 History of Architecture I (3)
ATE 361 Building Structures I (3)
ATE 451 Building Systems I (3)

Spring

ADE 512 Core Architectural Studio (6)
APH 314 History of Architecture II (3)
ATE 452 Building Systems II (3)
ATE 462 Building Structures II (3)

After the first summer and academic year, the three-plus-year curriculum merges with the two-year curriculum, and they are the same.

Admission Requirements: Applicants to the two-year program must:

- Submit a Graduate College online application and hold an undergraduate or graduate degree from a college or university recognized by ASU.
- Have completed a four-year B.S. in architectural studies or similar pre-professional degree in architecture. The bachelor's degree must be granted by an institution that offers the National Architectural Accrediting Board (NAAB) accredited degree program in architecture.
- Meet the minimum GPA requirements as established by the Graduate College.
- Provide an official copy of GRE scores (unofficial copies will not be accepted). For more information, visit the GRE website or <http://www.asu.edu/uts> (<http://www.asu.edu/uts>).
- Additional application materials can be found online at <http://herbergerinstitute.asu.edu/students/grad/prospective/> (<http://herbergerinstitute.asu.edu/students/grad/prospective/>).

In addition to the above requirements, international students are required to submit an official Test of English as a Foreign Language (TOEFL) score. The minimum score for admission to the program is 100 (Internet-based), 250 (computer-based) or 600 (paper-based). Other information for international applicants can be found on the Graduate College website.

Admission to the program is selective. Admission cannot be deferred; students must enroll in the semester for which they are admitted, otherwise they will need to go through the entire application process again for the year in which they are applying.

Applicants may be admitted to the two-year program with deficiencies if their previous course work is not equivalent to the ASU undergraduate requirements and standards. Deficiencies must be completed prior to taking the required course(s) if necessary. Please keep in mind that this may

cause the student to take longer than two years to complete the program.

A personal interview is not required; however, a candidate wishing to visit the school is welcome and should make arrangements by contacting the department.

Contact Information:

Design & the Arts, Herberger Institute for

The Design School

<http://design.asu.edu/>

CDN 162D

designgrad@asu.edu

480-965-3536

Art, MFA (HIARTMFA)

Online Degree Search Title: Art (MFA)

Campus: TEMPE

Program Description: The Herberger Institute School of Art M.F.A. program seeks to provide a stimulating and challenging environment for artistic and intellectual growth. We recognize contemporary art practice may emerge from within a distinct material practice, but usually involves working across a variety of media and methods. As a result, prospective students select an area of focus for their creative research and studio activity, but can expect to develop their own path through curriculum, availing themselves of human and facilities resources throughout the program. Areas of focus may be chosen from among a range of media and methods including:

- Ceramics.
- Drawing/painting.
- Intermedia.
- Fibers.
- Metals.
- Photography.
- Printmaking.
- Sculpture.
- Wood.

With the realization that discipline, familiarity with historical precedents and freedom go hand in hand, the program strives to strike a balance between supporting the acquisition of skills and technique and encouraging independence, innovation and critical reflection. Responsibility is placed on the individual student to find personally meaningful content and an effective means to express that content within and across the art disciplines. Graduate students enjoy private studio spaces, engaged creative research faculty and access to graduate facilities. Partnerships with the ASU Art Museum collections and staff, a strong guest artist schedule and other special professional development opportunities enhance the program.

Further information can be found in the program description on the school Web page.

Degree Requirements: 60 credit hours and an Oral Comprehensive Exam (Defense of MFA Exhibition).

The 60 hours of graduate credit are subject to committee approval and must include:

- 10 to 15 hours of ART 680 Practicum, resulting in an M.F.A. exhibition.
- 18 to 27 graduate studio credit hours.
- At least six credit hours of graduate-level academic course work.
- Nine to 18 credits of graduate-level ART seminars.
- Six credits of required courses in Contemporary Art Theory (3) and Cross-Practice Critique (3).

Admission Requirements: Admission is a two-step process. Although applicants fill out one application through the online Graduate College application process, they must be admitted into both the M.F.A. program and the Graduate College.

- All applicants must complete the Graduate College online application.
- A bachelor's from a regionally accredited college or university recognized by ASU is required.
- Minimum of a 3.00 cumulative GPA (scale is 4.00="A") in the last 60 hours of a student's bachelor's program.
- TOEFL required for applicants whose native language is not English, http://graduate.asu.edu/admissions/international/english_proficiency (http://graduate.asu.edu/admissions/international/english_proficiency).

Applications include the following components:

- A current resume or curriculum vitae.
- A portfolio of 20 images sized with a maximum dimension of 1024 pixels. Video files must be less than 60MB each. An image list must accompany the portfolio.

- A statement of intent that addresses the applicant's artistic interests, reasons for applying to graduate school in general and the ASU School of Art in particular, as well as professional goals. It should not exceed 1,000 words.

- Three letters of recommendation are required from faculty with whom you have studied or from recognized professionals in the field. Please follow the instructions for letters of recommendation and submit with your application to the Graduate College.

The method for submission is online via SLIDEROOM: <https://asuherberger.slideroom.com>. (<https://asuherberger.slideroom.com>) Applicants may upload images (.jpg), video (.mov, .wmv, .flv), music (mp3) or PDF documents. The deadline to submit is Dec. 20 for fall admission; the school does not admit for the spring semester.

Contact Information:

Design & the Arts, Herberger Institute for
School of Art

<http://art.asu.edu/admissions/grad/applying/mfa.php>

ART 102

soagrad@asu.edu

480-965-6303

Art (Art Education), MA (FAARTEDMA)

Online Degree Search Title: Art Education (MA)

Campus: TEMPE

Program Description: The M.A. in art education is a research-oriented degree. M.A. students investigate issues in art teaching and learning from multiple perspectives, including art inquiry, studio, visual culture, development and context. The degree culminates with an original thesis study proposed and carried out by the student. Students admitted to the M.Ed. program with a major in secondary education may also elect art as the subject matter field. Students admitted to the Secondary Education M.Ed. plus certification program in the College of Teacher Education and Leadership may select Art as an area of concentration.

Degree Requirements: 30 credit hours, a Thesis and a Written Comprehensive Exam (Qualifying Research Proposal).

The degree program requires:

- 18 hours of core courses.
- Six hours of special topics on research related to integrating the teaching of studio art, art history and criticism or aesthetics.
- Six hours of research and thesis.

To meet the core requirements, students must take the following core courses:

ARE 510 Visual Culture Research (3)

ARE 520 Issues in Teaching Inquiry in Art (3)

ARE 525 Research on Art Instruction (3)

ARE 530 Issues in Teaching Studio Art (3)

ARE 535 Research on Teaching Studio Art (3)

ARE 540 Teaching Art in Cultural Contexts (3)

Before the end of the first semester of course work (six or more credit hours), a program of study must be submitted to the Graduate College. Additional program requirements are indicated in the M.A. in art education guidelines.

Admission Requirements: All applicants must submit a Graduate College online application.

An applicant must have a bachelor's from a regionally accredited college or university with a major of no fewer than 45 credit hours of art, including 12 hours of art history and six hours of art education. Additional hours may be required by the school.

An applicant must have a GPA of at least "B" (3.00) in undergraduate course work during the junior and senior years. Applicants who do not meet these requirements must submit scores from the MAT or the GRE.

Applicants should submit:

- A formal art education research paper for review
- Resume.
- Statement of intent.
- Two letters of recommendation.

If applying for scholarships, fellowships or assistantships, the application deadline is Dec. 20. Otherwise, art education reviews applications through April 1, for admissions the following semester.

Contact Information:

Design & the Arts, Herberger Institute for
School of Art

<http://art.asu.edu>

ART 102
soagrad@asu.edu
480-965-6303

Art (Art History), MA (FAARTHISMA)

Online Degree Search Title: Art History (MA)

Campus: TEMPE

Program Description: The M.A. in art history is a comprehensive degree designed to train students to engage with visuality in multiple ways. It offers a diverse curriculum intended to foster critical understanding of aesthetics, production, patronage and consumption of art. Eleven internationally recognized faculty members offer classes across many cultures and time periods, geographies and multiple approaches and methodologies. The program stresses intersections between disciplines, borders, margins, points of mediation and technological developments throughout history. The graduate curriculum offers focused study in the areas of images and digital technologies, art in social and political contexts, and histories and theories of visual culture.

Degree Requirements: 30 credit hours, a Thesis and a Foreign Language Exam.

This program must include a minimum of 21 hours in art history, with at least 12 of these earned in 500-level seminars. At least one course must be taken in each of the four core areas:

- Ancient/medieval.
- Modern.
- Non-Western.
- Renaissance/baroque.

Satisfactory completion of ARS 501 Methodologies and Art History is required during the first semester of residence. The remaining hours include ARS 599 Thesis, approved electives and other courses specified by the faculty.

Admission Requirements:

- All applicants must submit a Graduate College online application.
- An applicant must have a bachelor's from a regionally accredited university with an undergraduate major or minor in art history, or at least four upper-division art history courses, in which a GPA of 3.00 or higher was maintained.
- GRE scores must be submitted in support of the application, along with three letters of recommendation.
- Applicants should submit one formal research paper for review.
- Applicants should submit a one-page statement of intent indicating their objectives for graduate study.
- Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

The application deadline is Dec. 20 for fall. The School of Art does not admit for spring.

Contact Information:

Design & the Arts, Herberger Institute for
School of Art
<http://art.asu.edu>
ART 102
soagrad@asu.edu
480-965-6303

Art (Digital Technology), MFA (FADIGITMFA)

Online Degree Search Title: Art (Digital Technology) (MFA)

Campus: TEMPE

Program Description: The M.F.A. in digital technology is offered by the School of Art in collaboration with the School of Arts, Media and Engineering (AME). It is a hybrid degree that combines technological and artistic goals, and requires students with skills and experience in both realms. Applicants will be required to demonstrate accomplishment in art and technology, particularly in having developed new digital technology for the arts. Course work will be required in both the School of Art and AME. In this field, the School of Art offers graduate-level courses in digital audio, video, photography, animation, compositing and rapid prototyping.

Degree Requirements: 60 credit hours and an Oral Comprehensive Exam.

Graduate credit is subject to committee approval and includes:

- 36 graduate studio credit hours in the major area(s) of concentration, of which 18 credit hours are ART studio classes and 18 credit hours are graduate-level courses in the School of Arts, Media and Engineering.
- Six credit hours ART 621 Seminar.
- Six credit hours of graduate-level art history.

- Six hours of ART 680 Practicum and six hours of AME 593 Applied Project, leading either to a final thesis exhibition or an applied project.

Admission Requirements: Admission is a two-step process. Although applicants fill out one application through the online Graduate College application process, they must be admitted into the M.F.A. program and the Graduate College.

- All applicants must complete the Graduate College online application.
- A bachelor's from a regionally accredited college or university recognized by ASU is required.
- Minimum of a 3.00 cumulative GPA (scale is 4.00="A") in the last 60 hours of a student's bachelor's program.
- TOEFL required for applicants from a country whose native language is not English,

http://graduate.asu.edu/admissions/international/english_proficiency (http://graduate.asu.edu/admissions/international/english_proficiency).

Applications must include the following components:

- A current resume or curriculum vitae.
- A portfolio of 20 images sized with maximum dimension of 1024 pixels. Video files must be less than 60MB each. An image list must accompany the portfolio.
- A statement of intent that addresses the applicant's artistic interests, reasons for applying to graduate school in general and the ASU School of Art in particular, as well as professional goals. It should not exceed 1,000 words.
- Three letters of recommendation are required from faculty with whom you have studied or from recognized professionals in the field. Please follow the instructions for letters of recommendation and submit with your application to the Graduate College.

Application for the digital technology concentration program must also include:

- A statement and evidence of work demonstrating digital technology skills beyond end user applications.
- An art and digital technology resume.

The method for submission is online via SLIDEROOM: <https://asuherberger.slideroom.com> (<https://asuherberger.slideroom.com>). Applicants may upload images (.jpg), video (.mov, .wmv, .fly), music (mp3) or PDF documents. The deadline to submit is Dec. 20 for fall admission; the school does not admit for the spring semester.

Contact Information:

Design & the Arts, Herberger Institute for
School of Art

<http://art.asu.edu>

ART 102

soagrad@asu.edu

480-965-6303

Built Environment (Energy Performance & Climate Responsive Architecture), MS (ARENERGYMS)

Online Degree Search Title: Built Environment (Energy Perf/Climate Responsive Arch) MS

Campus: TEMPE

Program Description: The built environment M.S. program with a concentration in energy performance and climate-responsive architecture educates students to become experts in energy efficient design and technology. The program is concerned with the relationships between climate and site, thermal and visual comfort, and energy demand and consumption. Courses in this concentration establish a basic core of knowledge of the principles of the natural energies available at the building boundary due to climate and site; thermal and optic behavior of building materials and components; passive and low-energy architectural systems for heating, cooling, and lighting; and appropriate integration with mechanical systems. Additional courses are available to support advanced study and research in a variety of related specialties.

Degree Requirements: 30 credit hours and a Thesis, or 30 credit hours including the required course (ATE 593) and an Applied Project.
First Year

Fall (9)

ATE 521 Building Environmental Science (3)

ATE 560 Building Energy Analysis (3)

ATE 598 ST: Sustainability of the Built Environment (3)

Spring (9)

ATE 562 Experimental Evaluation (3)

ATE 591 Seminar: Energy and Climate (1)*

ATE 598 ST: Building Energy Analysis II (3)
ATE 598 ST: Renewable Energy Systems (3)

Second Year

Fall (9)

ATE 550 Passive Heating and Cooling (3)
ATE 582 Environmental Control Systems (3)
ATE 599 Thesis (3)

Spring (3)

ATE 599 Thesis (3)

*This course is not required for the degree; however, it is a recommended elective.

Admission Requirements: Applicants must submit a Graduate College online application.

Applicants must hold a baccalaureate or graduate degree from a college or university recognized by ASU, in one of the professions or fields of study outlined below:

- Individuals who hold a previous five- or six-year National Architectural Board-accredited professional degree in architecture (B.Arch. or M.Arch.). See the NAAB website for more information.

- Individuals who are licensed landscape architects or those who have completed a four-year Bachelor of Science in landscape architecture, or a Master in Landscape Architecture. The undergraduate or graduate degree must be granted by an institution that offers the Landscape Architectural Accreditation Board-accredited degree program in architecture.

- Individuals who have an engineering degree (B.S. or M.S.) with a background in building sustainability issues. Mechanical and civil engineering and construction majors are particularly suited for application to this program.

- Individuals who have a science degree (B.S. or M.S.) with a background in building sustainability issues.

- Applicants must meet the minimum GPA requirements as established by the Graduate College.

- Provide an official copy of GRE scores (unofficial copies will not be accepted). For more information, visit the GRE website or <http://www.asu.edu/uts> (<http://www.asu.edu/uts>).

- Additional application materials can be found online at <http://herbergerinstitute.asu.edu/students/grad/prospective/>. (<http://herbergerinstitute.asu.edu/students/grad/prospective/>)

- In addition to the above requirements, international students are required to submit an official TOEFL score. The minimum score for admission to the program is 100 (Internet), 250 (computer-based), or 600 (paper-based). Other information for International applicants can be found on the Graduate College website.

- Admission to the program is selective. Admission to the program cannot be deferred; students must enroll in the semester for which they are admitted. Otherwise, they will need to go through the entire application process again for the year in which they are applying.

- A personal interview is not required; however, a candidate wishing to visit the school is welcome and should make arrangements by contacting sala.grad@asu.edu (<mailto:sala.grad@asu.edu>) or 480-965-1174.

Application Deadlines

All materials must be received by The Design School and the Graduate College by Jan. 15 for fall semester consideration. Priority will be given to students who have submitted all the required application materials to both the Graduate College and The Design School by deadline of Jan. 15. The M.S. in built environment program does not admit students for the spring semester or summer sessions.

Contact Information:

Design & the Arts, Herberger Institute for
The Design School
<http://design.asu.edu/>
CDN 162
designgrad@asu.edu
480-965-3536

Composition, MM (FAMCOMPMM)

Online Degree Search Title: Music Composition (MM)

Campus: TEMPE

Program Description: The Master of Music (MM) with a concentration in composition focuses on helping students develop the skills necessary to pursue and advance a career in music composition. Opportunities to collaborate with music scholars, theorists, performers, educators and other composers provides students with a broad and well-rounded foundation for advanced careers in music.

Degree Requirements: 32 credit hours, a Thesis and a Written Comprehensive Exam, or 32 credit hours, an Applied Project and a Written Comprehensive Exam.

Degree requirements include:

- Six hours of thesis.
- Eight hours of electives.
- Nine hours of composition.
- Nine hours of music theory and history.

The thesis is an original composition that demonstrates mastery of composing for the selected performance medium and the coherent organization of musical material.

Admission Requirements: The applicant must submit a Graduate College online application, followed by a separate School of Music application. In addition to submitting materials required by the Graduate College, the application must be accompanied by:

- A resume.
- A one- to two-page personal statement outlining your educational and career goals.
- Three letters of recommendation from qualified persons in the field capable of addressing your background, talent and ability to complete the requested degree.
- A portfolio of three to five original works, uploaded to SlideRoom, showing technical facility in composition. DVD/CD recordings and hardcopy materials are not accepted.

The deadline for submission of complete application materials is October 1 for spring admission and December 1 for fall admission. After review of complete application and portfolio materials, an applicant may be invited for an interview.

Contact Information:

Design & the Arts, Herberger Institute for
 School of Music
<http://music.asu.edu>
 MUSIC E167
 MusicAdmissions@asu.edu
 480-965-3371

Composition (Interdisciplinary Digital Media and Performance), MM (FADIGITMM)

Online Degree Search Title: Music (Interdisciplinary Dig. Media & Perf.) (MM)

Campus: TEMPE

Program Description: The M.M. in composition with a concentration in interdisciplinary digital media and performance is designed for students who have interests and skills in unique cross sections of the arts and sciences. The degree expands the School of Music offerings to include areas beyond typical music course work, allowing for expanded opportunities for personal growth. It also allows the School of Music and its students to be actively involved in current developments in the ever-changing field of media. The state-of-the-art media facilities of the School of Arts, Media and Engineering and its hybrid arts-engineering faculty and courses are an invaluable asset to music students, with resources that complement existing and future courses in electronic music.

Degree Requirements: 32 credit hours, a Thesis and a Written Comprehensive Exam, or 32 credit hours, a Thesis, a Written Comprehensive Exam and an Oral Comprehensive Exam.

Credit hours required for this concentration:

- Arts Media and Engineering Core (12).
- Electives (5).
- Music History/Music Theory (8-9).
- Thesis (6).

Admission Requirements: The applicant must submit a Graduate College online application, followed by a separate School of Music application. In addition to submitting materials required by the Graduate College, the application must be accompanied by:

- A resume;
- A well-composed statement of professional and educational intent that also addresses the transdisciplinary nature of the School of Arts, Media and Engineering.
- Three letters of recommendation from qualified persons in the field capable of addressing the applicant's background, talent and ability to complete the requested degree.
- A portfolio demonstrating technical facility in composition and an understanding of digital media and computation, uploaded to SlideRoom. Material may include previously developed media products or projects and/or publications. DVD/CD recordings and hardcopy materials are not accepted.

The deadline for submission of complete application materials is Oct. 1 for spring admission and Dec. 1 for fall admission

Contact Information:

Design & the Arts, Herberger Institute for
School of Music
<http://ame.asu.edu/>
MUSIC E167
MusicAdmissions@asu.edu
480-965-3371

Dance, MFA (FADANCEMFA)**Online Degree Search Title:** Dance (MFA)**Campus:** TEMPE

Program Description: The M.F.A. in dance at ASU is a highly flexible program that enriches creative artistic practice and offers a solid foundation in practical and theoretical course work. ASU School of Dance seeks individuals who are self-motivated, have clear and demonstrated objectives and are willing to explore new possibilities in the field of dance and beyond. The School of Dance actively welcomes a diversity of applicants, especially returning professionals, with experience and/or interest in:

- Creative practice.
- Community-based practice.
- Dance and technology.
- Dance history.
- Dance making.
- Dance science and somatics.
- Educational and professional partnerships.
- Interdisciplinary and/or cross-cultural approaches.
- Philosophy and criticism.

Degree Requirements: 60 credit hours and a Bound Document.

Incoming students are encouraged to take foundational course work, which has been designed to be a broad and fundamental preparation for future careers in:

- Arts administration.
- Community partnerships.
- Curator/presenting.
- High schools.
- Higher education.
- Independent artistic practice.
- Private studios.
- Professional dance/performance companies.
- Social service.
- Technology.
- Wellness industry.

The M.F.A. applied project in dance serves as the culminating experience in the graduate dance curriculum. Students have the opportunity to select the format and structure of their project in conjunction with their M.F.A. committee. The applied project takes into consideration the future goals of the student and serves as a bridge to careers beyond graduate school.

Flexibility in program design is strongly encouraged. The program recognizes and encourages individual strengths and professional experience.

Admission Requirements: To apply for admission to the M.F.A. in dance program, a student must complete an online Graduate College application and supply official copies of all transcripts from previous institutions to the Graduate College. Applicants whose native language is not English (regardless of where they now reside) must provide proof of English proficiency.

The School of Dance requires:

- A current resume.
- DVD of recent work, including one solo piece and one group piece.
- Three letters of recommendation from professionals in the field.
- A personal artistic statement that relates to the School of Dance core values as described by the Learning Lens.

Contact Information:

Design & the Arts, Herberger Institute for
School of Dance

<http://dance.asu.edu/>
PEBE 170A
dance@asu.edu
480-965-1208

Dance (Interdisciplinary Digital Media and Performance), MFA (FADANDIMFA)

Online Degree Search Title: Dance (Interdisciplinary Digital Media and Perform.) (MFA)

Campus: TEMPE

Program Description: The concentration in interdisciplinary digital media and performance (IDMP) builds on the strength of the School of Dance and expands into the specific area of mediated practice. The IDMP concentration provides a highly select group of graduate students with a rigorous, in-depth opportunity to specialize in dance and interdisciplinary digital arts.

The interdisciplinary classes and research activities of the transdisciplinary Arts, Media and Engineering Program (AME) that form part of this concentration give students access to the high-end media technology studios of AME, project funding and interdisciplinary collaborators.

Degree Requirements: 60 credit hours and a Bound Document.

The degree involves three years of residency:

- A final M.F.A. applied project (8).
- A written document.
- An oral defense.
- 18 credit hours of required course work in the concentration taught by AME.
- 15 credits of electives.
- 19 required credit hours in the School of Dance.
- Ongoing showings of work.

The current M.F.A. is normally accomplished during three years of residency in the School of Dance. Ongoing showings of creative work are required. Foundational course work is offered in areas of:

- Creative Practice.
- Movement Practices.
- Pedagogy.
- Professional development.
- Technology.
- Theory.

Students enrolled in the program specialize in areas related to independent research. The M.F.A. applied project, which may involve producing original choreography, presenting a lecture demonstration on a body of research or another form of original work, acts as the culminating experience of the program. Thesis presentation, a final written document, reflective in nature, as well as an oral defense complete the process.

Admission Requirements: To apply for admission to the M.F.A. program in dance, interdisciplinary digital media and performance, a student must complete an online Graduate College application and supply official copies of all transcripts from previous institutions to the Graduate College. Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

The School of Dance requires:

- A current resume.
- DVD of recent work, including one solo piece and one group piece.
- Three letters of recommendation from professionals in the field.
- A personal artistic statement that relates to School of Dance core values as described by the Learning Lens.

Contact Information:

Design & the Arts, Herberger Institute for
School of Dance
<http://dance.asu.edu/>
PEBE 170A
dance@asu.edu
480-965-1208

Design (Arts, Media and Engineering), MSD (ARDESAMMSD)

Online Degree Search Title: Design (Arts, Media and Engineering) (MSD)

Campus: TEMPE

Program Description: The Arts, Media and Engineering concentration focuses on the integration and application of humanistic, computational and design knowledge in tackling complex problems. The concentration provides opportunities for exploring experiential media systems through theoretical analysis, creative engagement and practical development. AME students combine design excellence with technical rigor in creating hybrid objects, adaptive systems and responsive environments.

Graduating students will be prepared to lead innovative design and development initiatives at corporations and other institutions at the forefront of media culture.

Degree Requirements: 36 credit hours and a Thesis, or 36 credit hours including the required course (DSC 593) and an Applied Project. Students may choose to complete their graduate work by way of a thesis or an applied project. A master's thesis is a scholarly endeavor that demonstrates the ability of the author to do supervised research and intellectual writing. The applied project is somewhat different. It includes both a project and a written document and is a scholarly endeavor that demonstrates the ability of the designer to do supervised research and present substantial evidence of the ability to apply research creatively to a design situation.

Admission Requirements: Applicants to the M.S.D. program must hold a bachelor's degree in graphic design, industrial design, interior design or a related design discipline. When applying for admission, applicants must declare one of seven concentrations:

- Arts, media and engineering.
- Health care and healing environments.
- Industrial design.
- Interaction design.
- Interior design.
- New product innovation.
- Visual communication design.

Further information can be found in the program description on the school admissions website.

Admission is a two-step process. Although applicants fill out one application through the online Graduate College application process, they must be admitted into both the concentration in the M.S.D. program and the Graduate College.

M.S.D. Program Requirements

- A 3.00 or higher undergraduate GPA.
- Minimum score of 550 on the paper-based Test of English as a Foreign Language (TOEFL) or 213 on the computer-based test or 83 on the internet-based test, for international students whose native language is not English.
- GRE scores are not required.
- Additional application materials can be found online at <http://herbergerinstitute.asu.edu/students/grad/prospective/> (<http://herbergerinstitute.asu.edu/students/grad/prospective/>).
- Applicants wishing to be considered for teaching or research assistantships (T.A./R.A.) should submit an additional statement outlining areas in which they feel competent to serve as a teaching or research assistant and inexpensive copies of samples of work that will not be returned. All interested applicants can apply for a T.A. position online. The link to the application will be provided on the M.S.D. website.
- All international teaching or graduate assistants whose primary language is not English are required to be certified in their English language abilities. Those individuals whose native language is not English will be required to submit a Speaking Proficiency English Assessment Kit (SPEAK) score, which is administered at ASU. Students also have the option of completing the Test of Spoken English (TSE), administered directly by the Educational Testing Service (ETS). For this group, no Personnel Action form (PAF) will be signed until this examination has been successfully completed.
- The ASU American English and Culture Program (AECPP) will certify all T.A.s who take the SPEAK. International students whose primary language is not English will not be permitted to serve as T.A.s unless they have AECPP certification. Information about AECPP certification can be found online at <http://global.asu.edu/aecp> (<http://global.asu.edu/aecp>).

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Design (Design of Healthcare and Healing Environments), MSD (ARHHEMSD)

Online Degree Search Title: Healthcare and Healing Environments (MSD)

Campus: TEMPE

Program Description: The concentration in health care and healing environments is focused on the science and experiences behind the built environment's real and perceived impacts on health and wellness. To this end, the M.S.D. in health care and healing environments emphasizes the intersection and integration of evidence-based research and practice, interdisciplinary studies, best practices and innovation in supporting and advancing the design of healthy environments, products and processes. This multidisciplinary program explores and synthesizes principles from a

variety of disciplines--including innovation, architecture, design, communication, human behavior, policy, quality and performance improvement, among others--in arriving at a thorough understanding some of the critical issues facing the health care industry. Students in this program will have opportunities to:

- Be mentored by local health care design consultants.
- Communicate with forward-thinking health care research centers.
- Engage directly with real clients.
- Interact with prominent healthcare organizations.
- Participate in industry conferences.
- Team with nursing and health innovation faculty and students.

Degree Requirements: 36 credit hours and a Thesis, or 36 credit hours including the required course (DSC 593) and an Applied Project. Students may choose to complete the graduate work by way of a thesis or an applied project. A master's thesis is a scholarly endeavor that demonstrates the ability of the author to do supervised research and intellectual writing. The applied project is somewhat different. It includes a project and a written document and is a scholarly endeavor that demonstrates the ability of the designer to do supervised research and present substantial evidence of the ability to apply research creatively to a design situation.

Admission Requirements: Applicants must submit an online Graduate College application. Applicants to the program must hold a bachelor's in graphic design, industrial design, interior design or a related design discipline. When applying for admission, applicants must declare one of seven concentrations:

- Arts, media and engineering.
- Health care and healing environments.
- Industrial design.
- Interaction design.
- Interior design.
- New product innovation.
- Visual communication design.

Further information can be found in the program description on the school website.

Admission is a two-step process. Although applicants fill out one application through the online Graduate College application process, they must be admitted into both the M.S.D. program and the Graduate College.

M.S.D. Program Requirements

- A 3.00 or higher undergraduate GPA.
- Minimum score of 550 on the paper-based Test of English as a Foreign Language (TOEFL) or 213 on the computer-based test or 83 on the Internet-based test, for international students whose native language is not English.
- GRE scores are not required.
- Additional application materials can be found online at <http://herbergerinstitute.asu.edu/students/grad/prospective/> (<http://herbergerinstitute.asu.edu/students/grad/prospective/>).
- Applicants wishing to be considered for teaching or research assistantships should submit an additional statement outlining areas in which they feel competent to serve as a teaching or research assistant and inexpensive copies of samples of work that will not be returned. All interested applicants can apply for a teaching assistantship position online. The link to the application will be provided on the M.S.D. website.
- All international teaching or graduate assistants whose primary language is not English are required to be certified in their English language abilities. Those individuals whose native language is not English will be required to submit a Speaking Proficiency English Assessment Kit (SPEAK) score, which is administered at ASU. Students also have the option of completing the Test of Spoken English (TSE), administered directly by the Educational Testing Service. For this group, no personnel action form will be signed until this examination has been successfully completed.

Contact Information:

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Design (Industrial Design), MSD (ARINDEMMSD)

Online Degree Search Title: Industrial Design (MSD)

Campus: TEMPE

Program Description: The M.S.D. with a concentration in industrial design is meant for individuals interested in advanced studies in:

- Criticism and methodology.
- Design processes.
- History.
- Human factors.
- Technology.
- Theory.

This concentration develops an understanding of contemporary industrial design issues through specialized research and design skills. It also prepares the graduate student for a career in industrial design education.

Degree Requirements: 36 credit hours and a Thesis, or 36 credit hours including the required course (DSC 593) and an Applied Project. Students may choose to complete their graduate work by way of a thesis or an applied project. A master's thesis is a scholarly endeavor that demonstrates the ability of the author to do supervised research and intellectual writing. The applied project is somewhat different. It includes a project and a written document and is a scholarly endeavor that demonstrates the ability of the designer to do supervised research and present substantial evidence of the ability to apply research creatively to a design situation.

Admission Requirements: Applicants must submit an online Graduate College application. Applicants to the M.S.D. program must hold a bachelor's in graphic design, industrial design, interior design or a related design discipline. When applying for admission, applicants must declare one of seven concentrations:

- Arts, media and engineering.
- Health care and healing environments.
- Industrial design.
- Interaction design.
- Interior design.
- New product innovation.
- Visual communication design.

Further information can be found in the program description on the school website.

Admission is a two-step process. Although applicants fill out one application through the online Graduate College application process, they must be admitted into both the concentration in the M.S.D. program and the Graduate College.

M.S.D. Program Requirements

- A 3.00 or higher undergraduate GPA.
- Minimum score of 550 on the paper-based Test of English as a Foreign Language (TOEFL) or 213 on the computer-based test or 83 on the internet-based test, for international students whose native language is not English.
- GRE scores are not required.
- Additional application materials can be found online at <http://herbergerinstitute.asu.edu/students/grad/prospective/> (<http://herbergerinstitute.asu.edu/students/grad/prospective/>).
- Applicants wishing to be considered for teaching or research assistantships should submit an additional statement outlining areas in which they feel competent to serve as a teaching or research assistant and inexpensive copies of samples of work that will not be returned. All interested applicants can apply for a teaching assistantship position online. The link to the application will be provided on the M.S.D. website.
- All international teaching or graduate assistants whose primary language is not English are required to be certified in their English language abilities. Those individuals whose native language is not English will be required to submit a Speaking Proficiency English Assessment Kit (SPEAK) score, which is administered at ASU. Students also have the option of completing the Test of Spoken English (TSE), administered directly by the Educational Testing Service. For this group, no personnel action form will be signed until this examination has been successfully completed. The ASU American English and Culture Program will certify all teaching assistants who take the SPEAK.

Contact Information:

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Design (Interaction Design), MSD (ARDSCIMSD)

Online Degree Search Title: Design (Interaction Design) (MSD)

Campus: TEMPE

Program Description: Interaction design is about people and how people connect through products and services. The interaction design concentration focuses on the study of principles, tools, complexities and change that prepare students for endeavors such as creating effective

physical and virtual shopping, creating effective information retrieval systems and numerous such human-spatial interactions. Design principles guide the students in the methods of creating dynamic, expressive and communicative forms.

Degree Requirements: 36 credit hours and a Thesis, or 36 credit hours including the required course (DSC 593) and an Applied Project. Students may choose to complete their graduate work by way of a thesis or an applied project. A master's thesis is a scholarly endeavor that demonstrates the ability of the author to do supervised research and intellectual writing. The applied project is somewhat different. It includes a project and a written document and is a scholarly endeavor that demonstrates the ability of the designer to do supervised research and present substantial evidence of the ability to apply research creatively to a design situation.

Admission Requirements: Applicants to the M.S.D. program must hold a bachelor's in graphic design, industrial design, interior design or a related design discipline. When applying for admission, applicants must declare one of seven concentrations:

- Arts, media and engineering.
- Health care and healing environments.
- Industrial design.
- Interaction design.
- Interior design.
- New product innovation.
- Visual communication design.

Further information can be found in the program description on the school Web page.

Admission is a two-step process. Although applicants fill out one application through the online Graduate College application process, they must be admitted into both the concentration in the M.S.D. program and the Graduate College.

M.S.D. Program Requirements

- A 3.00 or higher undergraduate GPA.
- Minimum score of 550 on the paper-based Test of English as a Foreign Language (TOEFL) or 80 on the Internet-based test, for international students whose native language is not English.
- GRE scores are not required.
- Additional application materials can be found online at <http://herbergerinstitute.asu.edu/students/grad/prospective/> (<http://herbergerinstitute.asu.edu/students/grad/prospective/>).
- Applicants wishing to be considered for teaching or research assistantships should submit an additional statement outlining areas in which they feel competent to serve as a teaching or research assistant and inexpensive copies of samples of work that will not be returned. All interested applicants can apply for a teaching assistantship position online. The link to the application will be provided on the M.S.D. website.
- All international teaching or graduate assistants whose primary language is not English are required to be certified in their English language abilities. Those individuals whose native language is not English will be required to submit a Speaking Proficiency English Assessment Kit (SPEAK) score, which is administered at ASU. Students also have the option of completing the Test of Spoken English (TSE), administered directly by the Educational Testing Service. For this group, no personnel action form will be signed until this examination has been successfully completed.
- The ASU American English and Culture Program will certify all teaching assistants who take the SPEAK.

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Design (Interior Design), MSD (ARINTDEMSD)

Online Degree Search Title: Interior Design (MSD)

Campus: TEMPE

Program Description: The M.S.D. with a concentration in interior design is a research degree that addresses the discovery and inquiry of how people relate to space. The program encourages the investigation of creativity, innovation and critical thinking while acknowledging the importance of cultural and historical precedent. This concentration develops an understanding of contemporary interior design issues through specialized research and design skills. This concentration prepares students with prior interior design training for more specialized career fields and for a career in academia.

Degree Requirements: 36 credit hours and a Thesis, or 36 credit hours including the required course (DSC 593) and an Applied Project. Students may choose to complete their graduate work by way of a thesis or an applied project. A master's thesis is a scholarly endeavor that demonstrates the ability of the author to do supervised research and intellectual writing. The applied project includes a project and a written document and is a scholarly endeavor that demonstrates the ability of the designer to do supervised research and present substantial evidence of the ability to creatively apply research to a design situation.

Admission Requirements: Applicants must submit an online Graduate College application.

Applicants to the M.S.D. program must hold a bachelor's in graphic design, industrial design, interior design or a related design discipline. When applying for admission, applicants must declare one of seven concentrations:

- Arts, media and engineering.
- Health care and healing environments.
- Industrial design.
- Interaction design.
- Interior design.
- New product innovation.
- Visual communication design.

Further information can be found in the program description on the school website.

Admission is a two-step process. Although applicants fill out one application through the online Graduate College application process, they must be admitted into both the M.S.D. program and the Graduate College.

M.S.D. Program Requirements

- A 3.00 or higher undergraduate GPA.
- Minimum score of 550 on the paper-based Test of English as a Foreign Language (TOEFL) or 213 on the computer-based test or 83 on the internet-based test, for international students whose native language is not English.
- GRE scores are not required.
- Additional application materials can be found online at <http://herbergerinstitute.asu.edu/students/grad/prospective/> (<http://herbergerinstitute.asu.edu/students/grad/prospective/>).
- Applicants wishing to be considered for teaching or research assistantships should submit an additional statement outlining areas in which they feel competent to serve as a teaching or research assistant and inexpensive copies of samples of work that will not be returned. All interested applicants can apply for a teaching assistantship position online. The link to the application will be provided on the M.S.D. website.
- All international teaching or graduate assistants whose primary language is not English are required to be certified in their English language abilities. Those individuals whose native language is not English will be required to submit a Speaking Proficiency English Assessment Kit (SPEAK) score, which is administered at ASU. Students also have the option of completing the Test of Spoken English (TSE), administered directly by the Educational Testing Service. For this group, no personnel action form will be signed until this examination has been successfully completed.

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Design (New Product Innovation), MSD (ARDSCNMSD)

Online Degree Search Title: Design (New Product Innovation) (MSD)

Campus: TEMPE

Program Description: The M.S.D. with a concentration in new product innovation is a research-oriented graduate degree. In this degree program, students will apply the concepts learned in the core and required courses through the execution of an applied project, which could be the design and development of a new product, a new method of doing design research, new design guidelines for medical devices, etc. The focus is on application, and students will present evidence of knowledge of principles in new product innovation, strategy for implementation or methods of design evaluation. Students will present the projects through a design presentation, executive summary and project document.

Degree Requirements: 36 credit hours including the required course (DSC 593) and an Applied Project.

This project-based concentration teaches graduate students about the role of design and innovation in the process of new product development within the context of a quickly evolving global economy.

Students complete their graduate work with an applied project. It includes a project and a written document and is a scholarly endeavor that demonstrates the ability of the designer to do supervised research and present substantial evidence of the ability to creatively apply research to a design opportunity.

Admission Requirements: Applicants to the M.S.D. program must hold a bachelor's in graphic design, industrial design, interior design or a related design discipline. When applying for admission, applicants must declare one of seven concentrations:

- Arts, media and engineering.
- Health care and healing environments.
- Industrial design.

- Interaction design.
- Interior design.
- New product innovation.
- Visual communication design.

Further information can be found in the program description on the school's website.

Admission is a two-step process. Although applicants fill out one application through the online Graduate College application process, they must be admitted into both the concentration in the M.S.D. program and the Graduate College.

M.S.D. Program Requirements

- A 3.00 or higher undergraduate GPA.
- Minimum score of 550 on the paper-based Test of English as a Foreign Language (TOEFL) or 213 on the computer-based test or 83 on the internet-based test, for international students whose native language is not English.
- GRE scores are not required.
- Additional application materials can be found online at <http://herbergerinstitute.asu.edu/students/grad/prospective/> (<http://herbergerinstitute.asu.edu/students/grad/prospective/>).
- Applicants wishing to be considered for teaching or research assistantships (T.A./R.A.) should submit an additional statement outlining areas in which they feel competent to serve as a teaching or research assistant and inexpensive copies of samples of work that will not be returned. All interested applicants can apply for a teaching assistantship position online. The link to the application will be provided on the M.S.D. website.
- All international teaching or graduate assistants whose primary language is not English are required to be certified in their English language abilities. Those individuals whose native language is not English will be required to submit a Speaking Proficiency English Assessment Kit (SPEAK) score, which is administered at ASU. Students also have the option of completing the Test of Spoken English (TSE), administered directly by the Educational Testing Service. For this group, no personnel action form will be signed until this examination has been successfully completed.

Contact Information:

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Design (Visual Communication Design), MSD (ARVCDMSD)

Online Degree Search Title: Design (Visual Communication Design) (MSD)

Campus: TEMPE

Program Description: The M.S.D. with a concentration in visual communication design is meant for individuals interested in advanced studies in visual language, history, theory, criticism and methodology, design processes and technology. This concentration develops an understanding of contemporary graphic design issues through specialized research and design skills. It also prepares the graduate student for a career in graphic design education.

Degree Requirements: 36 credit hours and a Thesis, or 36 credit hours including the required course (DSC 593) and an Applied Project. Students may choose to complete their graduate work by way of a thesis or an applied project. A master's thesis is a scholarly endeavor that demonstrates the ability of the author to do supervised research and intellectual writing. The applied project is somewhat different. It includes a project and a written document and is a scholarly endeavor that demonstrates the ability of the designer to do supervised research and present substantial evidence of the ability to apply research creatively to a design situation.

Admission Requirements: Applicants must submit an online Graduate College application.

Applicants to the M.S.D. program must hold a bachelor's in graphic design, industrial design, interior design or a related design discipline. When applying for admission, applicants must declare one of seven concentrations:

- Arts, media and engineering.
- Health care and healing environments.
- Industrial design.
- Interaction design.
- Interior design.
- New product innovation.
- Visual communication design.

Further information can be found in the program description on the school's website.

Admission is a two-step process. Although applicants fill out one application through the online Graduate College application process, they must be admitted into both the concentration in the M.S.D. program and the Graduate College.

M.S.D. Program Requirements

- A 3.00 or higher undergraduate GPA.
- Minimum score of 550 on the paper-based Test of English as a Foreign Language (TOEFL) or 213 on the computer-based test or 83 on the internet-based test, for international students whose native language is not English.
- GRE scores are not required.
- Additional application materials can be found online at <http://herbergerinstitute.asu.edu/students/grad/prospective/> (<http://herbergerinstitute.asu.edu/students/grad/prospective/>).

Applicants are required to submit the following materials with their application in addition to Graduate College requirements:

- A mandatory statement of intent, using the required form found the school's website, which will include the following points:
 - Intended concentration.
 - Proposed research topic. What will be your research focus? Why is this research important to you, the design community and the general population?
 - Proposed mentor for intended research. Faculty biographies can be found on the school website.
 - Personal academic background and professional experience that has prepared you for or will support your proposed research topic.
- Three letters of recommendation from persons who are qualified to comment on your potential in the selected concentration. Students will provide the names and contact information of three referees at the time of their online application. Referees will receive an e-mail with a link to the online letter of recommendation to complete. Students are able to see which referees have already completed their recommendation by logging into the My ASU system and viewing their "To Do" list. Once a referee has submitted the letter of recommendation, the referee's name will be removed from the "To Do" list. All letters must be in English.
- Applicants wishing to be considered for teaching or research assistantships should submit an additional statement outlining areas in which they feel competent to serve as a teaching or research assistant and inexpensive copies of samples of work that will not be returned. All interested applicants can apply for a teaching assistantship position online. The link to the application will be provided on the M.S.D. website.
- All international teaching or graduate assistants whose primary language is not English are required to be certified in their English language abilities. Those individuals whose native language is not English will be required to submit a Speaking Proficiency English Assessment Kit (SPEAK) score, which is administered at ASU. Students also have the option of completing the Test of Spoken English (TSE), administered directly by the Educational Testing Service. For this group, no personnel action form will be signed until this examination has been successfully completed.

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Design, Environment and the Arts, PHD (HIDEAPHD)

Online Degree Search Title: Design, Environment and the Arts (PhD)

Campus: TEMPE

Program Description: The Ph.D. in design, environment and the arts is an individualized institute-wide interdisciplinary degree that integrates graduate courses and faculty research expertise with concentrations in design; health care and healing environments; history, theory and criticism; and urban design. Broad in scope, the program is at the cutting edge of creating new knowledge in architecture, design and the arts. It complements interdisciplinary research in other disciplines within the university. The program provides research experience for students wishing to pursue careers in industry as members of interdisciplinary design teams on environmental and energy issues, as well as for those wishing to teach in the architecture, design or the arts fields.

Degree Requirements: 84 credit hours, a Written Comprehensive Exam, an Oral Comprehensive Exam, a Prospectus and a Dissertation. Students must be thoroughly familiar with design and the arts and are expected to demonstrate a high level of academic maturity before being admitted to the program. Up to 30 credit hours from a previously awarded master's can count towards the requirements of the doctoral program. Of the 54 credit hours remaining after the master's, 12 must be dissertation credit and 12 may be research. These 24 hours plus the remaining 30 hours must be completed after admission to the program. No transfer credits are allowed to fulfill the 54-credit-hour minimum requirement completed after admission to the program.

The student is required to take 15 credit hours in the area of concentration and a minimum of nine credit hours of specialized course work outside the area of concentration; a minimum of six credit hours in current research and research methods is required.

Each student entering the program is required to submit a plan of study during the first year.

Admission Requirements: Applicants must submit an online Graduate College application.

Students are admitted to the program only upon completion of a master's in architecture, graphic design, industrial design, interior design,

landscape architecture, fine arts or upon the demonstration of equivalent standing. Students must be familiar with design and the arts and will be expected to demonstrate a high level of academic maturity before being admitted to the program.

The doctorate executive committee evaluates the applications and supporting materials during the spring for fall semester admissions. Admission decisions are based on the compatibility of the applicant's career goals with the purpose of the degree program, the research mission of the institute and the research interests of faculty, previous academic training and performance, GRE scores, recommendation letters and the ability of the potential mentor to devote time to the student.

The recommendations of the committee are forwarded to the program director for approval. Upon the written recommendation from the program director, the dean of the Graduate College will notify all applicants in writing of the admission decision.

In addition to submitting the Graduate College online application and meeting Graduate College requirements, applicants must submit the following Doctorate of Philosophy application requirements online at the time of application. The application will be considered incomplete if one of these items is missing.

- GRE scores.
- An indication of a potential mentor in the Herberger Institute for Design and the Arts. We recommend that you e-mail the faculty member(s) that you feel have related research interests to introduce yourself and to inquire about their availability to be a mentor to you.
- An indication of proposed area of concentration (design, history, theory, and criticism, or health care and healing environments).
- A sample of sole-authored written work in English or any other evidence relevant to admission to the program (i.e., master's thesis, research paper, or published articles).
- A statement of purpose summarizing career objectives and the reasons for pursuing doctorate education.
- Three letters of recommendation (preferably academic, although could be professional). Students will provide the names and contact information of three recommenders at the time of their online application. Recommenders will receive an e-mail with a link to the online letter of recommendation to complete. Students are able to see which recommenders have already completed their recommendation by logging into the MyASU system and viewing their "To Do" list. Once a recommender has submitted the letter of recommendation, the recommender's name will be removed from the "To Do" list. All letters must be in English.

A Test of English as a Foreign Language (TOEFL) score of at least 100 iBT or 600 PBT or an overall International English Language Testing System (IELTS) band score of 7.50, with no individual band below 7.00, is required of all applicants whose native language is not English. International applicants who are interested in receiving funding as teaching assistants must take the Speaking Proficiency English Assessment Kit (SPEAK), administered at ASU, and become certified. Additional information is available on the department website.

Contact Information:

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Design, Environment and the Arts (Digital Culture in Design), PHD (HIENVDGPHD)

Online Degree Search Title: Design, Environment and the Arts (Digital Culture in Design) (PhD)

Campus: TEMPE

Program Description: The Ph.D. in design, environment and the arts with a concentration in digital culture focuses on the role of computational systems in enhancing creativity and the quality of human design. Graduates of the program should be thinkers as well as doers; they should learn to question the existing paradigms that govern the digital world as they impact design and the arts; they should be able to analyze systematically how digital tools affect the way designers and artists think, conceptualize, create and evaluate their designs and artwork; and, as a result, be able to come to a unique synthesis, leading the way in these fields.

This concentration will primarily explore the impact of digital culture on how built environments, products and visual communications are designed and analyzed by design professionals and are utilized by their intended audience. Students should be able to systematically question existing paradigms and ontology's of digital tools, evaluate the new paradigms that emerge as a result of digital culture, and propose new frameworks for design disciplines. Issues such as user interface design for new products, computer simulation of performance of buildings and products, effects of digital tools on architectural form giving, digital design processes, better incorporation of human factors into design tools, usability and interaction design are some examples of faculty expertise and areas of focus.

Degree Requirements: 84 credit hours, a Prospectus, a Written Comprehensive Exam, an Oral Comprehensive Exam and a Dissertation.

The Ph.D. in design, environment and the arts with a concentration in digital culture requires the following:

- Required Ph.D. core courses (6).
- Required concentration core courses (12).
- Research and approved electives (24).
- 799 dissertation (12).
- A previously awarded master's or approved relevant course work (30).

Students must be thoroughly familiar with design and the arts and are expected to demonstrate a high level of academic maturity before being

admitted to the program. Up to 30 credit hours from a previously awarded master's can count towards the requirements of the doctoral program. Of the 54 credit hours remaining after the master's, 12 must be dissertation credit and 12 may be research. These 24 hours plus the remaining 30 hours must be completed after admission to the program. No transfer credits are allowed to fulfill the 54-credit-hour minimum requirement completed after admission to the program.

The student is required to take 15 credit hours in the area of concentration and a minimum of nine credit hours of specialized course work outside the area of concentration; a minimum of six credit hours in current research and research methods is required.

Each student entering the program is required to submit a plan of study during the first year.

Admission Requirements: Applicants must submit an online Graduate College application.

Students are admitted to the program only upon completion of a degree in architecture, graphic design, industrial design, interior design, landscape architecture or fine arts, or upon the demonstration of equivalent standing. Students must be familiar with design and the arts and will be expected to demonstrate a high level of academic maturity before being admitted to the program.

The doctoral executive committee evaluates the applications and supporting materials during the spring for fall semester admissions. Admission decisions are based on:

- The ability of the potential mentor to devote time to the student.
- The compatibility of the applicant's career goals with the purpose of the degree program.
- GRE scores.
- Previous academic training and performance.
- Recommendation letters.
- The research mission of the institute and the research interests of faculty.

The recommendations of the committee are forwarded to the program director for approval. Upon the written recommendation from the program director, the dean of the Graduate College will notify all applicants in writing of the admission decision.

In addition to submitting the Graduate College online application and meeting Graduate College requirements, applicants must submit the following Ph.D. application requirements online at the time of application. The application will be considered incomplete if one of these items is missing:

- A statement of purpose summarizing career objectives and the reasons for pursuing doctoral education.
- An indication of proposed area of concentration (design, history, theory and criticism, or health care and healing environments).
- An indication of a potential mentor in the Herberger Institute for Design and the Arts. We recommend that you email the faculty member(s) who you feel have related research interests, to introduce yourself and to inquire about their availability to be a mentor to you.
- Three letters of recommendation (preferably academic, although could be professional). Students will provide the names and contact information of three recommenders at the time of their online application. Recommenders will receive an email with a link to the online letter of recommendation to complete. Students are able to see which recommenders have already completed their recommendation by logging into the MyASU system and viewing their "To Do" list. Once a recommender has submitted the letter of recommendation, the recommender's name will be removed from the "To Do" list. All letters must be in English.
- A sample of sole-authored written work in English or any other evidence relevant to admission to the program (i.e., master's thesis, research paper or published articles).
- GRE scores (required).

A Test of English as a Foreign Language (TOEFL) score of at least 100 iBT or 600 PBT or an overall International English Language Testing System (IELTS) band score of 7.50, with no individual band below 7.00, is required of all applicants whose native language is not English (http://graduate.asu.edu/admissions/international/english_proficiency (http://graduate.asu.edu/admissions/international/english_proficiency)).

International applicants who are interested in receiving funding as teaching assistants must take the Speaking Proficiency English Assessment Kit (SPEAK), administered at ASU, and become certified. Additional information is available on the department website.

Minimum of a bachelor's (or equivalent) or a graduate degree from a regionally accredited college or university. Bachelor's must be in the field of architecture, graphic design, industrial design, interior design, landscape architecture, arts media, or engineering.

Minimum of a 3.00 cumulative GPA (scale is 4.00="A") in the last 60 hours of a student's bachelor's degree program.

Identification of a proposed research topic, or list of possible topics, that align(s) with the research mission of the Ph.D. program and the research interests of faculty.

Student must have identified a Ph.D. program faculty member who has agreed to serve as a mentor.

Contact Information:

Design & the Arts, Herberger Institute for

Dean, Herberger Institute for Design and the Arts

http://herbergerinstitute.asu.edu/degrees/phd_environmental/

CDN 162

design.grad@asu.edu

480-727-8782

Environmental Design/Planning (Healthcare & Healing Environments), PHD (ARENHHEPHD)

Online Degree Search Title: Design, Environment and the Arts (Healthcare and Healing Environments) (PHD)

Campus: TEMPE

Program Description: The health care and healing environments concentration of the Ph.D in design, environment and the arts focuses on the integration of evidence-based design, sustainable science and best practices benchmarks when planning health care facilities. Facility-related responsibilities supported by this area cluster into seven functional work units:

- Facilities analysis (physical and environmental).
- Human factors and user needs.
- Interior planning and design.
- Programming (long-range planning).
- Research methodologies.
- Space management/planning.
- Strategic planning.

This multidisciplinary program integrates the principles of medical and clinical innovations, interior architecture, human health services, communication studies, architecture and behavioral and engineering sciences. Students in this program will be mentored by local health care design consultants, teaming with nursing students, working directly with real clients and corresponding with forward-thinking health care research centers. Graduating students will be able to:

- Address contemporary issues facing the health care industry.
- Address health care environments on multiple levels.
- Apply evidence-based research techniques.
- Effectively communicate with clinicians.

Upon graduation, students may pursue advanced positions in the following arenas:

- Elite consulting firms as facility programmers.
- Large health care systems and corporations as strategic planners.
- Leading manufacturers and vendors as expert representatives.
- Planning divisions in architectural and planning firms as medical planners.
- Research centers as decision-makers.

Degree Requirements: 84 credit hours, a Written Comprehensive Exam, an Oral Comprehensive Exam, a Prospectus and a Dissertation. Students will be required to complete program requirements detailed below:

- Required core courses (6).
- Required concentration courses (18).
- Elective courses (18).
- Dissertation (12).
- Previously completed a master's (30).

If the student has not completed a master's, elective courses approved by the supervisory committee may substitute.

Admission Requirements: Ideal candidates must already hold a master's in design, interior design, architecture, nursing or other related fields. A statement of intent will express interest in the health care research/design concentration. If students enter the program with no design or health care background, they must take certain deficiency courses. In addition to meeting Graduate College admission requirements, applicants must submit the following items:

- The Graduate College online application.
- A minimum of three letters of reference.
- A sample of written work and any other evidence relevant to admission to the program.
- A statement of purpose (summarizing career objectives and the reasons for pursuing a doctoral education, as well as indicating the proposed area of concentration and a potential mentor in the Herberger Institute for Design and the Arts).
- The name of a proposed mentor and the concentration form.
- GRE scores.
- A Test of English as a Foreign Language (TOEFL) score of at least 600 (paper) or 100 (iBT), or an overall IELTS band score of 7.5, with no individual band below 7.00, is required of all applicants whose native language is not English. International applicants who are interested in receiving funding as teaching associates must take the Speaking Proficiency English Assessment Kit (SPEAK) test administered at ASU and become certified.

Contact Information:

Design & the Arts, Herberger Institute for

The Design School
http://herbergerinstitute.asu.edu/degrees/phd_environmental/
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Industrial Design, MID (HIINDMID)

Online Degree Search Title: Industrial Design (MID)

Campus: TEMPE

Program Description: The Master of Industrial Design (MID) degree is a 60 credit-hour studio-based degree in which students will learn to design new product-service systems that solve critical global problems. Students will engage in research, brainstorming, idea visualization, prototyping and testing of creative solutions that address critical problems we face in the world today. Graduates of this program will be adept in using principles of design innovation, sustainability, and systems thinking in problem-solving, and are expected to find positions in industry as well as academia after graduation.

Degree Requirements: 60 credit hours including the required course (IND 622) and a Capstone.

Two-year program

Core: 40 credit hours

Electives: 12 credit hours

Internship: 3 credit hours (IND 584)

Capstone: 5 credit hours (IND 622)

Three-year program

Deficiency courses: 21 credit hours

Summer internship and capstone course: 81 credit hours

Admission Requirements: All applicants must complete the Graduate College online application. A bachelor's degree from a regionally accredited college or university recognized by ASU is required. A minimum of a 3.00 cumulative GPA (scale is 4.00=A) in the last 60 hours of a student's bachelor's degree program is required as well.

Admission requirements for the two-year program: Minimum of a bachelor's degree (or equivalent) or a graduate degree from a regionally accredited college or university of recognized standing in a related field such as the following disciplines: industrial design, product design or equivalent is required. In addition, applicants will submit a portfolio of design work.

Admission requirements for the three+ year Program: The three+ year program accepts applications from students who do not hold an undergraduate degree in industrial design. Three+ year program applicants must submit a portfolio of creative work. Criteria for successful admission will concentrate on the applicant's design creativity and clear communication skills (as evidenced in the submitted design portfolio), academic capability, and probable contribution to the program through a variety of backgrounds and experiences.

TOEFL required for applicants whose native language is not English. http://graduate.asu.edu/admissions/international/english_proficiency (http://graduate.asu.edu/admissions/international/english_proficiency)

Contact Information:

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Interior Architecture, MIA (HIAMIA)

Online Degree Search Title: Interior Architecture (MIA)

Campus: TEMPE

Program Description: The MIA is a studio-based professional degree that prepares graduates to fill leadership positions in interior architecture and design practice, and education. Focusing on the development of groundbreaking design solutions to contemporary and emergent societal issues, such as sustainability and healthcare, this degree draws upon history, theory and criticism to inform a transdisciplinary, evidence-based approach. Studios will have close ties to the allied disciplines of architecture, and landscape architecture with faculty from those programs actively involved in teaching studios with an interior architecture concentration. This provides a foundation of interdisciplinary learning to assist in the understanding of integrated practice. This degree program aims to further a candidate's comprehension of design as a synergistic process of identifying, analyzing and creating useful, beautiful and stimulating interior environments that serve the needs of varied user populations.

Degree Requirements: 56 credit hours including a Capstone (INT 622).

Two-year Track

39 core credit hours

Nine elective credit hours

Six required credit hours of internship (INT 512)

Three credit hours of studio (INT 584)

Five credit hours of capstone (INT 622)

Three-year Track

Two-year track plan (56 hours) plus,

24 bridge program credit hours

Admission Requirements: All applicants must complete the Graduate College online application. A bachelor's degree from a regionally accredited college or university recognized by ASU is required with a minimum of a 3.00 cumulative GPA (scale is 4.00=A) in the last 60 hours of the program. For the two-year program, a minimum of a four-year degree in interior design or interior architecture from a CIDA-accredited program, or a four-year degree in architecture from a NAAB-accredited program is required. In addition, applicants will submit a portfolio of design work. Criteria for successful admission will concentrate on the applicant's design creativity and clear communication skills (as evidenced in the submitted design portfolio), academic capability, and probable contribution to the program through a variety of backgrounds and experiences.

Admission Requirements for the Three+ Year Program: The 3+ program accepts applications from students who do not hold an undergraduate degree in interior design, interior architecture or architecture. Applicants must submit a portfolio of creative work. Criteria for successful admission will concentrate on the applicant's design creativity and clear communication skills (as evidenced in the submitted design portfolio), academic capability and probable contribution to the program through a variety of backgrounds and experiences.

A TOEFL score is required from any applicant whose native language is not English. Please visit

http://graduate.asu.edu/admissions/international/english_proficiency (http://graduate.asu.edu/admissions/international/english_proficiency) for more information.

Contact Information:

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desgingrad@asu.edu

480-965-3536

Landscape Architecture, MLA (ARLDEMLA)

Online Degree Search Title: Landscape Architecture (MLA)

Campus: TEMPE

Program Description: The M.L.A. at ASU prepares individuals for the independent professional practice of landscape architecture and research in various aspects of the field including geology and hydrology; project and site planning; landscape design, history and theory; environmental design; application law and regulations; and professional responsibilities and standards.

The program leverages the arid urban context and rapidly urbanizing landscape of the Phoenix metropolitan region. In response to global depletion of natural resources, global warming and other population-impacted ecological conditions, the curriculum is focused on issues of sustainable landscape urbanism. Students are encouraged to pursue a joint degree with the school's M.S. in built environment and/or the Master of Urban Design program.

Applicants who already hold a bachelor's in another field should apply to the three-plus-year M.L.A. program.

Degree Requirements: 56 credit hours and a Thesis, or 56 credit hours including a Capstone Course (MLA 622), or 56 credit hours including the required course (LDE 593) and an Applied Project.

Master of Landscape Architecture Program Two-Year Degree Requirements

First Year (Fifth Year)

Fall (14)

ATE 598 Sustainability of the Built Environment (3)

LDE 521 Advanced Architectural Studio I (5)

LPH 513 Research in Landscape Architecture Seminar (3)

LTC 563 Planting Design (3)

Spring (14)

LDE 522 Advanced Landscape Architectural Studio (5)

LPH 612 Landscape Architecture Research Methods (3)

LTC 546 LA Alternative Technologies and Materials (3)

LTC 598 ST: Urban Ecological Design (3)

Summer

LAP 584 Clinical Internship (3)

Second Year (Sixth Year)

Fall (14)

L/APH 515 Current Topics and Issues (3)

LDE 621 Advanced Landscape Architectural Studio (5)/L/APH 515 Current Topics and Issues (3)

LPH 613 Landscape Architecture Seminar (3)

Herberger Institute for Design and the Arts professional graduate design elective* (3)

Spring (11)

L/AAD 652 Professional Practice (3)

LDE 622 Advanced Landscape Architectural Studio (5) or LDE 599 Thesis (5) or LDE 593 Applied Project; culminating experience will be selected based upon MLA faculty guidance and approval

LTC 598 ST Urban Landscape Water Systems and Management (3)

Total Graduate Hours in Program: 56 credit hours

* The list of Herberger Institute for Design and the Arts design electives can be found on the institute's website: <http://design.asu.edu/> (<http://design.asu.edu/>).

Master of Landscape Architecture Program Three-Plus-Year Requirement

Note: Bolded courses are considered deficiencies and do not count toward official program of study.

First Year

Summer

ALA 102 Architecture, Landscape Architecture and Society (first five-week session) (3)

ALA 236 Computers in Landscape Architecture (first five-week session) (3)

APH 509 Foundation Seminar (second five-week session) (3)

LDE 590 Foundation Architectural Studio (6)

Fall

LDE 511 Core Architectural Studio I (6)

LPH 310 History of Landscape Architecture (3)

LTC 342 Landscape Implementation-Grading (3)

LTC 598 ST: Natural Factors (3)

Spring

ADE 512 Core Landscape Architectural Studio (6)

LPH 311 Contemporary Landscape Architecture (3)

LTC 344 Landscape Implementation-Construction (3)

LTC 494 Plant Materials (3)

After the first summer and academic year, the three-plus-year curriculum merges with the two-year curriculum and they are the same.

Admission Requirements: All applicants must submit an online Graduate College application.

Admissions Requirements to the Two-Year Program

Applicants must:

- Hold an undergraduate or graduate degree from a college or university recognized by ASU.
- Have completed a four-year or five-year B.S.L.A. or B.L.A. in landscape architecture or be a licensed landscape architect. The bachelor's must be accredited by the Landscape Architectural Accreditation Board (LAAB).
- Meet the minimum GPA requirements as established by the Graduate College.
- Provide official copy of GRE scores (unofficial copies will not be accepted).
- International students are required to submit an official Test of English as a Foreign Language (TOEFL) score, minimum score for admission is 100 (Internet-based), 250 (computer-based) or 600 (paper-based).
- Additional application materials can be found online at <http://herbergerinstitute.asu.edu/students/grad/prospective/> (<http://herbergerinstitute.asu.edu/students/grad/prospective/>)

Admissions Requirements to the Three-Plus-Year Program

Applicants must:

- Submit an online Graduate College application and all of the materials outlined above.
- Apply and begin the program in the summer.
- Hold an undergraduate or graduate degree from a college or university recognized by ASU.
- Have earned a bachelor's in a field other than architectural studies leading to an LAAB-accredited degree.

- Meet the minimum GPA requirements as established by the Graduate College.
- Provide an official copy of GRE scores (unofficial copies will not be accepted).
- Additional application materials can be found online at <http://herbergerinstitute.asu.edu/students/grad/prospective/> (<http://herbergerinstitute.asu.edu/students/grad/prospective/>).

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Media Arts and Sciences, PHD (FAMASPHD)

Online Degree Search Title: Media Arts and Sciences (PhD)

Campus: TEMPE

Program Description: Media, arts and sciences Ph.D. students train in translating, transporting and combining knowledge across disciplines for the development of innovative experiential media systems and accompanying theoretical models. The degree structure includes transdisciplinary media courses through the School of Arts, Media and Engineering (AME), elective-course credits relating to the student's research interests, and substantial research and dissertation hours devoted to collaborative research within the AME network. Active participation in AME interdisciplinary research teams allows media, arts and sciences doctoral students to gain and contribute expertise in knowledge fusion for digital media.

Degree Requirements: 84 credit hours, a Written Comprehensive Exam, a Prospectus and a Dissertation.

The requirements for this program are comprised of 39 course credit hours, 33 research hours, and 12 dissertation hours. Thirty of the 39 required course credits will be from the transdisciplinary media courses offered by the School of Arts, Media and Engineering. All students will be required to take a minimum of two courses under each of the five constituting areas of experiential media (30 hours).

Admission Requirements: Applicants will be required to submit:

- A Graduate College online application.
- Official transcripts of all undergraduate and graduate course work (if applicable).
- Official GRE scores.
- Curriculum vitae.
- Statement of purpose.
- Three letters of recommendation and a portfolio of supporting material.

Additionally, the statement of purpose should explain in a concise and persuasive manner how the student's educational, professional and personal experiences inform their research and creative interests as well as elaborating on any aspect of their background that supports candidacy to the AME program.

Each applicant must demonstrate entry-level competencies. This can be demonstrated primarily through a portfolio. The portfolio may include previously developed media products or projects and/or publications demonstrating an understanding of and involvement with digital media and computation. Entry-level competency can also be partially demonstrated through course work and may include such courses as:

- Advanced computer programming.
- Computer graphics and animation.
- Computer music.
- Digital design.
- Film theory.
- Interactive technologies.
- Media authoring tools.
- Media theory.
- Multimedia systems.
- Signal processing.

Contact Information:

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Arts, Media and Engineering Sch T
<http://ame.asu.edu>
BYENG 395
ameed@asu.edu
480-965-9438

Music (Conducting), DMA (FACONDDMA)

Online Degree Search Title: Conducting (DMA)

Campus: TEMPE

Program Description: The D.M.A. in conducting (emphasis areas: choral, music theatre/opera, orchestral, wind band) prepares highly-qualified musicians to become conductors and scholars, emphasizing a thorough knowledge of repertory, knowledge of historical and analytical issues, an understanding of efficient, effective rehearsal technique and a clear, expressive conducting technique. Doctoral conducting students receive considerable individual attention and have regular opportunities to rehearse and conduct a variety of ensembles.

Degree Requirements: 90 credit hours, a Research Paper, a Written Comprehensive Exam and an Oral Comprehensive Exam.

Only 30 hours from a master's may be counted toward the requirements for this program. Once admitted to the program, a student is required to be enrolled continuously, excluding summer sessions, until all requirements for the degree have been fulfilled. In general, the student should expect to spend at least the equivalent of three academic years beyond the bachelor's in the program. A minimum of two semesters must be spent in continuous full-time residence at ASU. At least 54 hours must be completed in residence at ASU. The conducting concentration requires the completion of research papers/projects in conjunction with performances (one of which must be a lecture-recital).

Admission Requirements: Students seeking admission normally hold a master's in music. Applicants with other degrees are considered if they have received graduate training similar to that normally expected in an M.M. program.

The applicant must submit a Graduate College online application, followed by a separate School of Music application. In addition to submitting materials required by the Graduate College, the application must be accompanied by:

- Scores for the GRE (quantitative, verbal and analytical) or the MAT. The GRE examination in music is not acceptable for admission to the doctoral program.
- A curriculum vitae documenting at least three years of appropriate experience in the field.
- A well-composed statement of professional and educational intent. This statement should contain a brief review of your professional and educational background and academic and professional goals.
- Three letters of recommendation from qualified persons in the field capable of addressing your background talent, and ability to complete the requested degree.
- A clear video prescreening of conducting in rehearsal settings, uploaded to SlideRoom. DVD recordings are not accepted.
- Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

The deadline for submission of complete application materials is Oct. 15 for spring admission and Dec. 1 for fall admission. After review of complete application and prescreening materials, an applicant may be invited for a live audition.

Contact Information:

Design & the Arts, Herberger Institute for

School of Music

<http://music.asu.edu>

Music E167

MusicAdmissions@asu.edu

480-965-3371

Music (Ethnomusicology), MA (FAETHNMA)

Online Degree Search Title: Ethnomusicology (MA)

Campus: TEMPE

Program Description: The M.A. in music with a concentration in ethnomusicology focuses on the systematic scholarly study of the history and study of various ethnomusicological topics. The faculty comprises leading scholars in a variety of world music expressions.

Degree Requirements: 30 credit hours, a Thesis, a Written Comprehensive Exam, an Oral Comprehensive Exam and a Foreign Language Exam.

At least 20 credit hours of this program must be in the field of ethnomusicology or related fields, including six credit hours of thesis and five or six credit hours in music theory. A passing grade on the foreign language reading exam in French or German is required for graduation.

Admission Requirements: The applicant must submit a Graduate College online application, followed by a separate School of Music application. In addition to submitting materials required by the Graduate College, the application must be accompanied by:

- A resume.
- A one- to two-page personal statement outlining student's educational and career goals.
- Three letters of recommendation from qualified persons in the field capable of addressing student's background talent, and ability to complete the requested degree.
- An example of scholarly work or publication, preferably a paper from an upper-level undergraduate course, or an article or document written by the student.

- Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Applications are accepted until all spaces are filled and reviewed on a rolling basis. Applicants are encouraged to apply as early as possible. To ensure prompt processing of applications, please email MusicAdmissions@asu.edu (mailto:MusicAdmissions@asu.edu) after submitting an application.

Contact Information:

Design & the Arts, Herberger Institute for
School of Music
<http://music.asu.edu>
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MusicAdmissions@asu.edu
480-965-3371

Music (Interdisciplinary Digital Media and Performance), DMA (FAINTDDMA)

Online Degree Search Title: Music (Interdisciplinary Dig. Media & Perf.) (DMA)

Campus: TEMPE

Program Description: The D.M.A. in interdisciplinary digital media and performance is designed for students who have interests and skills in unique cross sections of the arts and sciences. The degree expands the School of Music offerings to include areas beyond typical music offerings, allowing for expanded opportunities for personal growth. It also allows the School of Music and its students to be actively involved in current developments in the ever-changing field of media. The state-of-the-art media facilities of the School of Arts, Media and Engineering and its hybrid arts-engineering faculty and courses are an invaluable asset to music students, with resources that complement existing and future courses in electronic music.

Degree Requirements: 90 credit hours, a Written Comprehensive Exam, an Oral Comprehensive Exam, a Prospectus and a Dissertation. The program requires 36 hours in arts, media and engineering; 30 hours in music studies; and 24 hours in research and dissertation.

Admission Requirements: The applicant must submit a Graduate College online application, followed by a separate School of Music application. In addition to submitting materials required by the Graduate College, the application must be accompanied by scores for the GRE (quantitative, verbal and analytical) or the MAT. The GRE examination in music is not acceptable for admission to the doctoral program. In addition to submitting materials required by the Graduate College, the application must be accompanied by:

- A curriculum vitae.
- A well-composed statement of professional and educational intent that also addresses the transdisciplinary nature of the School of Arts, Media and Engineering program. Applicants should explain in a concise and persuasive manner how their educational, professional and personal experiences inform their research and creative interests, writing on any aspect of their background that supports candidacy to the program.
- Three letters of recommendation from qualified persons in the field capable of addressing the applicant's background, talent and ability to complete the requested degree.
- A portfolio of at least three original works, uploaded to SlideRoom, presenting evidence of accomplishments as a composer and an understanding of digital media and computation. Material may include previously developed media products or projects and/or publications, scores, recordings of performances, depending on the media involved. Recent works are preferred. DVD/CD recordings and hardcopy materials are not accepted. Additional application materials that address the hybrid nature of the School of Arts, Media and Engineering should also be submitted.

The deadline for submission of complete application materials is Oct. 1 for spring admission and Dec. 1 for fall admission.

Contact Information:

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Music (Music Composition), DMA (FACOMPDMA)

Online Degree Search Title: Music Composition (DMA)

Campus: TEMPE

Program Description: The D.M.A. in composition is a professional degree program designed for outstanding composition students preparing for professional careers, including teaching positions at the university level. The concentration in composition provides extensive faculty interaction as well as opportunities to develop advanced skills in traditional and contemporary compositional techniques. The opportunity to collaborate with music scholars, theorists, performers, educators and other composers provides students with a broad and well-rounded foundation for advanced careers in music.

Degree Requirements: 90 credit hours, a Foreign Language Exam, a Written Comprehensive Exam, an Oral Comprehensive Exam, a Prospectus and a Dissertation.

Only 30 hours from a previously awarded master's can be counted toward the 90 hour requirement.

Once admitted to a the program, a student is required to be enrolled continuously, excluding summer sessions, until all requirements for the degree have been fulfilled. In general, the student should expect to spend at least the equivalent of three academic years beyond the bachelor's in the program. A minimum of two semesters must be spent in continuous full-time residence at ASU. At least 54 hours must be completed in residence at ASU.

The music composition concentration requires the creation of a significant original work of music (considered to be a dissertation) and either two article-length research papers or a substantial paper.

Admission Requirements: Students seeking admission normally hold an M.M. Applicants with other degrees are considered if they have received graduate training similar to that normally expected in an M.M. program.

The applicant must submit a Graduate College online application, followed by a separate School of Music application. In addition to submitting materials required by the Graduate College, the application must be accompanied by:

- Scores for the GRE (quantitative, verbal and analytical) or the MAT. The GRE examination in music is not acceptable for admission to the doctoral program.
- A curriculum vitae documenting at least three years of appropriate experience in the field.
- A well-composed statement of professional and educational intent. This statement should contain a brief review of the applicant's professional and educational background and academic and professional goals.
- Three letters of recommendation from qualified persons in the field capable of addressing the applicant's background, talent and ability to complete the requested degree.
- A portfolio of at least three original works showing technical facility in composition and presenting evidence of accomplishments as a composer, uploaded to SlideRoom. DVD/CD recordings and hardcopy materials are not accepted.

The deadline for submission of complete application materials is Oct. 1 for spring admission and Dec. 1 for fall admission. After review of complete application and portfolio materials, an applicant may be invited for an interview.

Contact Information:

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<http://music.asu.edu>
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480-965-3371

Music (Music Education), PHD (FAMUSEDPHD)

Online Degree Search Title: Music (Music Education) PhD

Campus: TEMPE

Program Description: The Ph.D. in music education is a scholarly research degree. Graduates of this program typically serve as faculty members at colleges or universities; as scholars or researchers; as music and arts administrators for education, arts and civic and government organizations; and as public policy advisors to education organizations, arts providers and civic and government agencies.

The concentration in music education includes highly specialized study in music education, supports studies with scholars and artists in the School of Music and other schools in the Herberger Institute for Design and the Arts, and offers opportunities for cross-disciplinary elective study with faculty in schools and colleges across the ASU campuses. A plan of study is designed by the student in consultation with the faculty, to support a research trajectory identified by the student.

Research conducted by students in the music education concentration aims to reexamine, interrogate and broaden the canon of music education, and to expand the traditional boundaries of music scholarship by challenging methodological and disciplinary boundaries. The degree concludes with dissertation research.

Degree Requirements: 90 credit hours, a Written Comprehensive Exam, an Oral Comprehensive Exam, a Prospectus and a Dissertation.

Program requires the following: 90 credit hours, a Written Comprehensive Exam, an Oral Comprehensive Exam, a Prospectus and a Dissertation.

The degree requirements are distributed as follows:

- Concentration (music education courses, including research) (30).
- Core requirements (10).
- Dissertation (12).
- Elective credits (music, music education and related studies) (29).
- Internship (3).
- Research (6).

Admission Requirements: Students seeking admission must have completed a bachelor's (or equivalent) or a graduate from a regionally accredited college or university in music education prior to beginning this doctoral program.

The applicant must submit a Graduate College online application, followed by a separate School of Music application. In addition to submitting materials required by the Graduate College, the application must be accompanied by:

- Scores for the GRE (quantitative, verbal and analytical) or the MAT. The GRE examination in music is not acceptable for admission to the doctoral program.
- A curriculum vitae documenting at least three years of appropriate experience in the field.
- A well-composed statement of professional and educational intent. This statement should contain a brief review of the applicant's professional and educational background and academic and professional goals.
- Three letters of recommendation from qualified persons in the field capable of addressing the applicant's background, talent and ability to complete the requested degree.
- A clear video recording of teaching (rehearsal or class teaching), focused specifically on instruction, uploaded to SlideRoom (<http://music.asu.edu/admissions/auditions/slideroom.php>). Additional recordings may be submitted to reflect the applicant's ability to refine music in a performance setting. DVD recordings are not accepted.
- An example of scholarly work or publication, preferably a paper from an upper-level undergraduate course or a graduate course, or an article or document the applicant has written.

Applications are accepted until all spaces are filled and reviewed on a rolling basis. Applicants are encouraged to apply as early as possible. To ensure prompt processing of application, please email MusicAdmissions@asu.edu (mailto:MusicAdmissions@asu.edu) after submitting an application. An interview with the music education doctoral faculty in person or via electronic media is scheduled after review of application materials.

Contact Information:

Design & the Arts, Herberger Institute for
School of Music
<http://music.asu.edu/>
MUSIC E167
MusicAdmissions@asu.edu
480-965-3371

Music (Music History and Literature), MA (FAMHISTMA)

Online Degree Search Title: Music History and Literature (MA)

Campus: TEMPE

Program Description: The Master of Arts in Music with a concentration in music history and literature focuses on the systematic scholarly study of a broad range of musicological styles and eras. Opportunities exist to study a broad range of areas including American music, musical cultures of the American Southwest, music in popular cultures and Western European art music.

Degree Requirements: 30 credit hours, a Thesis, a Written Comprehensive Exam, an Oral Comprehensive Exam and a Foreign Language Exam. A minimum of 30 credit hours of graduate credit is required, of which at least two-thirds must be in the field of music history and literature and five or six credit hours in music theory.

- Music History Core (9).
- Music Theory (5-6).
- Music History Electives (7-8).
- Thesis (6).

Other Electives (2)

A passing grade on the foreign language examination in French or German is required for graduation.

Admission Requirements: The applicant must submit a Graduate College online application, followed by a separate School of Music application. In addition to submitting materials required by the Graduate College, the application must be accompanied by:

- A resume.
- A one- to two-page personal statement outlining your educational and career goals.
- Three letters of recommendation from qualified persons in the field capable of addressing your background, talent and ability to complete the requested degree.
- An example of scholarly work or publication, preferably a paper from an upper-level undergraduate course, or an article or document you have written.

Applications are accepted until all spaces are filled and reviewed on a rolling basis. Applicants are encouraged to apply as early as possible. To ensure prompt processing, please e-mail MusicAdmissions@asu.edu (mailto:MusicAdmissions@asu.edu) after submitting an application.

Contact Information:

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480.965.3371

Music (Performance), DMA (FAPERFDMA)

Online Degree Search Title: Music Performance (DMA)

Campus: TEMPE

Program Description: The D.M.A. in performance is a professional degree program for advanced musicians desiring high levels of performance instruction/experience, as well as preparation for teaching positions at the university level. The program provides extensive faculty and guest artist interaction and opportunities to develop advanced skills in traditional and contemporary pedagogy. The opportunity to collaborate with music scholars, theorists, composers, educators and other performers provides students with a broad and well-rounded foundation for advanced careers in music.

Degree Requirements: 90 credit hours, a Research Paper, a Written Comprehensive Exam, an Oral Comprehensive Exam and a Foreign Language Exam (Enter "Waived Requirement" in the second Foreign Language box), or 90 credit hours, a Research Paper, a Written Comprehensive Exam, an Oral Comprehensive Exam and two Foreign Language Exams.

Only 30 hours from a master's will be counted toward the 90-hour requirement.

Once admitted to the program, a student is required to be enrolled continuously, excluding summer sessions, until all requirements for the degree have been fulfilled. In general, the student should expect to spend at least the equivalent of three academic years beyond the bachelor's in the program. At least two semesters must be spent in continuous full-time residence at ASU. At least 54 hours must be completed in residence at ASU. The performance concentration requires at least three recitals after admission to the program and a research paper/project. All candidates must enroll for a total of 24 credit hours in research (MUP 792) and solo performance (MUP 796).

Admission Requirements: Students seeking admission normally hold a master's in music. Applicants with other degrees are considered if they have received graduate training similar to that normally expected in an M.M. program.

The applicant must submit a Graduate College online application, followed by a separate School of Music application. In addition to submitting materials required by the Graduate College, the application must be accompanied by: scores for the GRE (quantitative, verbal and analytical) or the MAT. The GRE examination in music is not acceptable for admission to the doctoral program. In addition to submitting materials required by the Graduate College, the application must be accompanied by:

- A curriculum vitae.
- A well-composed statement of professional and educational intent. This statement should contain a brief review of your professional and educational background and academic and professional goals.
- Three letters of recommendation from qualified persons in the field capable of addressing your background, talent and ability to complete the requested degree.
- A list of repertoire studied and/or performed after high school, including the title of the work, role (if applicable), and full name of the composer.
- A prescreening recording, uploaded to SlideRoom, is required of all applicants to be considered for an invitation to a live audition. DVD/CD recordings are not accepted. Voice applicants: The prescreening recording must be in video format.

The deadline for submission of complete application materials is Oct. 1 for spring admission and Dec. 1 for fall admission. After review of complete application and prescreening materials, an applicant may be invited for a live audition.

Contact Information:

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Music Education, MM (FAMUSEDMM)

Online Degree Search Title: Music Education (MM)

Campus: TEMPE

Program Description: The MM Master of Music in Music Education is designed for individuals interested in music teaching and learning in public and private schools, community education settings, early childhood programs and adult education. Practicing teachers as well as community musicians and music educators interested in advanced studies in music teaching and learning may enroll. Students may elect courses in each part of the degree program and can design a course of study that meets specific music education interests and needs. The degree provides

opportunities to study full-time, part-time (through evening courses), in the summers only, or by combining full-time, part-time and summer study. Full-time students may complete the degree in as little as one year.

Degree Requirements: 32 credit hours and a Written Comprehensive Exam.

Six credits may be transferred from another regionally accredited graduate institution. Up to nine credits may be taken prior to admission.

- Music Education Core (10).
- Musicianship Core (10).
- Specialization (12).

Admission Requirements: A bachelor's degree in music education or teacher certification is required for admission to the MM master's degree in music education. The applicant must submit a Graduate College online application, followed by a separate School of Music application. In addition to submitting materials required by the Graduate College, the application must be accompanied by:

- A resume.
- Three letters of recommendation from qualified persons in the field capable of addressing your background, talent and ability to complete the requested degree.

Applications are accepted until all spaces are filled and reviewed on a rolling basis. Applicants are encouraged to apply as early as possible. To ensure prompt processing of applications, please e-mail MusicAdmissions@asu.edu (<mailto:MusicAdmissions@asu.edu>) after submitting an application.

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Music Therapy, MM (FAMTHERMM)

Online Degree Search Title: Music Therapy (MM)

Campus: TEMPE

Program Description: The M.M. in music therapy provides music therapists graduate-level study in the theory and practice of music therapy, culminating in a graduate clinical project or thesis. The degree also fosters an expanded research perspective in music therapy, emphasizing community partnerships, community-based music therapy program development and external funding. Candidates for the program must hold the credential Music Therapist-Board Certified or a similar international music therapy credential.

Degree Requirements: 33 credit hours, a Thesis and a Written Comprehensive Exam, or 33 credit hours, an Applied Project, and a Written Comprehensive Exam.

- Concentration courses (11).
- Music History and Music Theory courses (8).
- Music Therapy Core courses (14).

Admission Requirements: Applicants with a bachelor's in music therapy may apply for the master's in music therapy. Applicants with a bachelor's in any other music area must apply for the master's in clinical music therapy.

The applicant must submit a Graduate College online application, followed by a separate School of Music application. In addition to submitting materials required by the Graduate College, the application must be accompanied by:

- A resume.
- Three letters of recommendation from qualified persons in the field capable of addressing the applicant's background, talent and ability to complete the requested degree.
- Audition in functional music skills, involving the demonstration of advanced guitar accompaniment skills, piano accompaniment in several styles, improvisation skills and vocal abilities. Recorded auditions are accepted via upload to SlideRoom (<http://music.asu.edu/admissions/auditions/slideroom.php>). DVD/CD recordings are not accepted.

Applications are accepted until all spaces are filled and reviewed on a rolling basis. Applicants are encouraged to apply as early as possible. To ensure prompt processing, please email MusicAdmissions@asu.edu (<mailto:MusicAdmissions@asu.edu>) after submitting an application. An in-depth interview emphasizing the applicant's music therapy philosophy, research activities and clinical interests will be scheduled after receipt of complete application materials. A phone interview may be arranged.

Contact Information:

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Music Therapy (Clinical Music Therapy), MM (HICMTMM)

Online Degree Search Title: Music Therapy (Clinical Music Therapy) (MM)

Campus: TEMPE

Program Description: The M.M. in clinical music therapy is designed to provide interested students with the academic course work to become board-certified music therapists through the American Music Therapy Association. This is a practical entry-level certification program degree designed for students with a bachelor's in any music discipline (e.g., performance, education, theory, arts in music), but without prior certification in music therapy.

Degree Requirements: 33 credit hours including a Capstone (MUE 584).
Program requires the following: 33 credit hours including a Capstone (MUE 584).
The requirements for this concentration are:

- Concentration courses (15).
- Core courses (12).
- Culminating experience (6).

Admission Requirements: Applicants must hold a bachelor's in any music discipline to apply for the program. The applicant must submit a Graduate College online application, followed by a separate School of Music application. In addition to submitting materials required by the Graduate College, the application must be accompanied by:

- A résumé.
- A one- to two-page personal statement of the applicant's music therapy philosophy, including models of choice, influences, and reason for pursuing an advanced degree.
- Three letters of recommendation from qualified persons in the field capable of addressing the applicant's background talent and ability to complete the requested degree.
- Audition in functional music skills, involving the demonstration of advanced guitar accompaniment skills, piano accompaniment in several styles, improvisation skills and vocal abilities. Recorded auditions are accepted via upload to SlideRoom (<http://music.asu.edu/admissions/auditions/slideroom.php>). DVD/CD recordings are not accepted.

Applications are accepted until all spaces are filled and reviewed on a rolling basis. Applicants are encouraged to apply as early as possible. To ensure prompt processing of applications, please email MusicAdmissions@asu.edu after submitting an application. An in-depth interview emphasizing the applicant's music therapy philosophy, research activities and clinical interests will be scheduled after receipt of complete application materials. A phone interview may be arranged.

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Performance (Collaborative Piano), MM (FACPIANOMM)

Online Degree Search Title: Piano, Collaborative (MM)

Campus: TEMPE

Program Description: Students in the M.M. program in collaborative piano work with all instrumental and vocal areas, concentrating on collaborative endeavors such as duo recitals and chamber music. Students also work on specific skills for their instruments while developing the knowledge and abilities to be skilled and sensitive musical collaborators. The opportunity to collaborate with music scholars, theorists, composers, educators and other performers provides students with a broad and well-rounded foundation for advanced careers in music.

Degree Requirements: 32 credit hours and a Written Comprehensive Exam.

Degree requirements include:

- 18 credit hours in collaborative piano and performance.
- 14 credit hours of music history, theory and electives.
- At least one year of college-level instruction in either French, German, or Italian and at least one of the following are required, 1) one semester of diction in each of the two other languages, or 2) one semester of language instruction in each of the two other languages.

Language deficiencies must be made up during the first year of study.

Admission Requirements: The applicant must submit a Graduate College online application, followed by a separate School of Music application. In addition to submitting materials required by the Graduate College, the application must be accompanied by:

- A resume.
- Three letters of recommendation from qualified persons in the field capable of addressing the applicant's background, talent and ability to complete the requested degree.
- A list of repertoire studied and/or performed after high school, including the title of the work, role (if applicable) and full name of the composer.

The deadline for submission of complete application materials is Oct. 15 for spring admission and Dec. 1 for fall admission. A live audition will be scheduled after receipt of complete application materials. Recorded auditions are acceptable when uploaded to SlideRoom (<http://music.asu.edu/admissions/auditions/slideroom.php>), but must be in accordance with repertoire requirements. DVD/CD recordings are not accepted.

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Performance (Music Theatre/Opera Performance), MM (FAMUTPOMM)

Online Degree Search Title: Music Theatre/Opera Performance (MM)

Campus: TEMPE

Program Description: The M.M. music theatre (emphasis areas: music theatre performance, opera performance, and performance direction) stresses study, individual practice, class work and rehearsals that come together in the productions of the Lyric Opera Theatre, the School of Music performance ensemble. Every production is fully produced with sets, costumes, lighting and full orchestration. The opportunity to collaborate with music scholars, theorists, composers, educators and other performers provides students with a broad and well-rounded foundation for advanced careers in music.

Degree Requirements: 32 credit hours and a Written Comprehensive Exam.

Degree requirements for the music theatre and opera emphases include 12 hours of study in the concentration area, eight hours of private voice instruction and 12 hours in music history, music theory and electives. Sixteen hours of college-level credit in more than one foreign language, chosen from French, German and Italian, are also required for graduation. Degree requirements for the music direction emphasis include 15 hours of study in the concentration area, four hours of private keyboard instruction and 13 hours of music history, music theory and electives.

Admission Requirements: The applicant must submit a Graduate College online application, followed by a separate School of Music application. In addition to submitting materials required by the Graduate College, the application must be accompanied by:

- A resume.
- Three letters of recommendation from qualified persons in the field capable of addressing the applicant's background, talent and ability to complete the requested degree.
- Performance applicants only: A prescreening audition video recording, uploaded to SlideRoom, is required to be considered for an invitation to a live audition. DVD recordings are not accepted.
- Direction applicants only: A prescreening piano recording of their performance of three piano pieces drawn from different historical periods, uploaded to SlideRoom, is required to be considered for an invitation to a live audition.

The deadline for submission of complete application materials is Oct. 1 for spring admission and Dec. 1 for fall admission. After review of complete application and prescreening materials, an applicant may be invited for a live audition.

Contact Information:

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Performance (Performance Pedagogy), MM (FAPPEDMM)

Online Degree Search Title: Performance Pedagogy (MM)

Campus: TEMPE

Program Description: The M.M. in performance pedagogy stresses the performance and teaching of major Western art music. Students work on specific performance skills while developing the knowledge and abilities to be music pedagogues in their area. The opportunity to collaborate with music scholars, theorists, composers, educators and other performers provides students with a broad and well-rounded foundation for advanced careers in music.

Degree Requirements: 32 credit hours and a Written Comprehensive Exam.

Foreign Language Requirement:

- For voice, 16 hours of college-level credit in more than one foreign language, chosen from French, German or Italian.
- None for instrumental or piano.

Admission Requirements: The applicant must submit a Graduate College online application, followed by a separate School of Music application. In addition to submitting materials required by the Graduate College, the application must be accompanied by:

- A resume.
- Three letters of recommendation from qualified persons in the field capable of addressing the applicant's background, talent and ability to complete the requested degree.
- A list of repertoire studied and/or performed after high school, including the title of the work, role (if applicable) and full name of the composer.
- Piano applicants only: A video demonstration of teaching, uploaded to SlideRoom, is required for admission. The recording should consist of two complete lessons taught in English, preferably of students at different levels. Individual and/or group lessons at any level are acceptable. DVD recordings are not accepted.
- Voice applicants only: A prescreening video recording, uploaded to SlideRoom, is required to be considered for an invitation to a live audition. DVD recordings are not accepted.

Voice applicants: The deadline for submission of complete application materials is Oct. 1 for spring admission and Dec. 1 for fall admission. After review of complete application and prescreening materials, an applicant may be invited for a live audition.

Instrumental and keyboard applicants: The deadline for submission of complete application materials is Oct. 15 for spring admission and Dec. 1 for fall admission. A live audition will be scheduled after receipt of complete application materials. Recorded auditions are acceptable when uploaded to SlideRoom (<http://music.asu.edu/admissions/auditions/slideroom.php>), but must be in accordance with repertoire requirements. DVD/CD recordings are not accepted.

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Performance (Performance), MM (FAPERF3MM)

Online Degree Search Title: Music Performance (MM)

Campus: TEMPE

Program Description: The M.M. performance stresses the pedagogical and performance practices of major Western art music. Students work on specific skills for their instruments while developing the knowledge and abilities to be leaders in the music community. The opportunity to collaborate with music scholars, theorists, composers, educators and other performers provides students with a broad and well-rounded foundation for advanced careers in music.

Degree Requirements: 32 credit hours and a Written Comprehensive Exam.

This program requires eight hours of study in the concentration area, eight hours of studio instruction, and 16 hours in music history, music theory and electives.

Admission Requirements: The applicant must submit a Graduate College online application, followed by a separate School of Music application. In addition to submitting materials required by the Graduate College, the application must be accompanied by:

- A resume.
- Three letters of recommendation from qualified persons in the field capable of addressing the applicant's background, talent and ability to complete the requested degree.
- A list of repertoire studied and/or performed after high school, including the title of the work, role (if applicable) and full name of the composer.
- Voice applicants only: A prescreening video recording, uploaded to SlideRoom (<http://music.asu.edu/admissions/auditions/slideroom.php>), is required to be considered for an invitation to a live audition.

Voice applicants: The deadline for submission of complete application materials is Oct. 1 for spring admission and Dec. 1 for fall admission. After review of complete application and prescreening materials, an applicant may be invited for a live audition.

Instrumental and keyboard applicants: The deadline for submission of complete application materials is Oct. 15 for spring admission and Dec. 1 for fall admission. A live audition will be scheduled after receipt of complete application materials. Recorded auditions are acceptable when uploaded to SlideRoom (<http://music.asu.edu/admissions/auditions/slideroom.php>), but must be in accordance with repertoire requirements. DVD/CD recordings are not accepted.

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Theatre, MA (FATHEAMA)

Online Degree Search Title: Theatre (MA)

Campus: TEMPE

Program Description: The M.A. in theatre introduces students to graduate study in the field of theatre and performance studies and provides a broad base of knowledge in the areas of history and historiography, theory, literature and dramaturgy and practice. Students will have the opportunity to tailor the program of study to specific research and artistic subject areas and will prepare a research thesis as the culmination of their studies. The program is designed for those who wish to later enter a Ph.D. program, for K-12 educators seeking to expand and amplify their expertise, and for those seeking to advance their knowledge of theatre and performance studies.

Degree Requirements: 30 credit hours, a Thesis and a Written Comprehensive Exam.

This program consists of:

- 24 credit hours of graduate course work (15 credits of required courses and nine credits of electives).
- Six credit hours devoted to a thesis chosen by the student and approved by the student's faculty committee.

Admission Requirements: Applicants must submit a Graduate College online application.

Students must fulfill both the requirements of the Graduate College, including those regarding English proficiency, and those of the School of Theatre and Film. The deadline for application to the School of Theatre and Film is Feb. 15.

Students should provide:

- A current curriculum vitae.
- A sample of scholarly writing.
- A statement of purpose that should address the student's background and experiences as they relate to their reasons for pursuing the master's, describe their research interests, and indicate future career goals.
- Three letters of recommendation from professionals familiar with their work.

Contact Information:

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Theatre (Directing), MFA (FADIRMFA)

Online Degree Search Title: Theatre (Directing) MFA

Campus: TEMPE

Program Description: Admission to the directing, performance and performance design concentrations is cohort-based.

The M.F.A. in theatre with a concentration in directing program seeks students who demonstrate serious purpose, professional aspirations, theatrical daring and the desire to explore new work in collaborating with playwrights and in the devising/creation process. Respect for fellow artists and a desire to learn about how all the parts fit together are essential qualities in the successful candidate and, indeed, the successful director. Students are introduced to varied critical viewpoints from select artists and scholars. A hands-on, mentor-student approach is emphasized, with the intent of developing the skill, artistry and communication skills required to be an excellent professional director.

Degree Requirements: 60 credit hours including the required course (THP 693) and an Applied Project.

This is a three-year program culminating in an applied project. Practical directing and directing classes are approximately 50 percent of the course work. Classes also include:

- Acting: viewpoints and composition.
- Assistant directing for a professional or faculty director working on the main stage.
- Design collaboration.
- Directing the new play.
- Dramatic theory and criticism.
- Dramaturgy.
- Performance technology.
- Projects in community-based drama.
- Re-envisioning.
- Research methods.
- Solo performance.
- Theatre for social change.
- Theatre history and literature.
- Theatre organization and management.

M.F.A. directors will direct a new work every year. Major assignments may include:

- Creating and directing an adaptation of an existing work.
- Guiding an ensemble in the devising process and directing the resulting devised piece.
- Directing a new play by an M.F.A. playwright.
- Directing one applied project in the main-stage season.

Directing faculty mentor all projects. Academic and artistic progress is evaluated at the end of each semester by a faculty committee. Program continuation is contingent upon a successful review. A professional internship is required for each M.F.A. director.

Admission Requirements: Applicants must submit a Graduate College online application.

Students are admitted to this program every three years, forming a cohort with their colleagues in the other M.F.A. programs in theatre practice; the next class will begin course work in 2014. Students must fulfill both the requirements of the Graduate College and those of the School of Theatre and Film. The deadline for application to the School of Theatre and Film is Jan.15.

In addition to the requirements outlined on the Graduate College website, the School of Theatre and Film requires additional application components for the M.F.A. in directing, including:

- A personal interview.
- A statement of purpose.
- A current resume.
- A written directorial approach to a play selected by the reviewing committee.
- Three letters of reference from professionals familiar with the student's work.

Contact Information:

Design & the Arts, Herberger Institute for
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Theatre (Dramatic Writing), MFA (FADRWRTMFA)

Online Degree Search Title: Theatre (Dramatic Writing) MFA

Campus: TEMPE

Program Description: The concentration in dramatic writing within the theatre/film M.F.A. will include course work in playwriting, screenwriting,

historical studies in theatre, dramatic theory, directing new work, literary management, electives and related topics such as writing for solo performance, storytelling, devising and collaborative writing.

The School of Theatre and Film's support for the production of new plays and performance works written by its M.F.A. students is an aspirational model for other institutions. Student-written work is highlighted in the annual new works series.

Degree Requirements: 60 credit hours including the required course (THP 693) and an Applied Project.

The program is composed of the following:

- Required core courses (27).
- Required concentration courses (9).
- Elective courses (18).
- Applied project (6).

The student will write a thesis play as the applied project, which will be developed as one of the following:

- A full production on the school's main stage.
- A staged reading.
- A workshop production.

Admission Requirements: Potential students must submit an online application to the Graduate College, and applicants must meet all admission requirements of the Graduate College. In addition, applicants should have an undergraduate major in theatre or film, with a GPA of 3.00 or above (4.00 scale). If an applicant does not have an undergraduate major in theatre or film, the student may be admitted on the basis of excellent creative writing and academic work.

The School of Theatre and Film deadline is Feb. 1. Applicants must also submit the following to the School of Theatre and Film:

- Manuscript sample of 30 or more pages of dramatic writing (for stage, television or film).
- Current resume.
- Statement of career goals.
- Three letters of recommendation.

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Theatre (Interdisciplinary Digital Media), MFA (FATHEADMFA)

Online Degree Search Title: Theatre (Interdisciplinary Digital Media) (MFA)

Campus: TEMPE

Program Description: This graduate degree concentration is offered through the School of Theatre and Film in collaboration with the School of Arts, Media and Engineering (AME). It focuses on the growing importance of digital media as a way of making and thinking about art. AME courses and research activities prepare students to become sophisticated developers, makers, evaluators and entrepreneurs of digital media, while at the same time completing a sequence of core courses in theatre.

Degree Requirements: 60 credit hours including the required course (THP 693), an Applied Project, a Written Comprehensive Exam and an Oral Comprehensive Exam.

The degree requirements are:

- A minimum of 18 hours in core AME courses, to be selected in consultation with each student's AME graduate advisor.
- 15 hours in research and applied project credits.
- 27 hours of core courses in theatre theory, history and practice.

The overall course of study is developed with the advisor to ensure a breadth of transdisciplinary knowledge.

Admission Requirements: Applicants must submit a Graduate College online application.

Students must fulfill the requirements of the Graduate College and those of both the School of Theatre and Film and the School of Arts, Media and Engineering. Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency. The deadline for application to the School of Theatre and Film is Feb. 15, but please note that for financial aid purposes, the AME deadline is Feb.

1.

The School of Theatre and Film requires the following additional application materials for the M.F.A. in integrated digital media:

- A current resume.
- A portfolio of materials that support the statement of purpose (writing samples, electronic performance materials, etc.).
- A statement of purpose detailing the applicant's background in theatre, as well as the applicant's interest in and suitability for work in the interdisciplinary of theatre and digital media.
- Three letters of recommendation from professionals familiar with the applicant's work.

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Theatre (Performance Design), MFA (FAPERDMFA)

Online Degree Search Title: Theatre (Performance Design) MFA

Campus: TEMPE

Program Description: Admission to the directing, performance and performance design concentrations is cohort-based.

ASU offers a strenuous and innovative M.F.A. in theatre with a concentration in performance design program that focuses on a nontraditional approach to design training in preparation for the theatrical design challenges of the future. The design student works with an ensemble of designers, directors and performers to create new projects that redefine the role of the traditional designer.

Skills for approaching and creating new work include:

- Design applications in multimedia.
- Development of artistic entrepreneurship and integrity.
- Drafting and computer imaging.
- New work development.

Performance design students work in multiple venues, including the 481-seat Galvin Playhouse, 164-seat Lyceum Theatre, two studios and one experimental space. In addition, students work in the shops, a design studio and a computer-imaging lab.

Degree Requirements: 60 credit hours including the required course (THP 693) and an Applied Project.

This is a three-year program culminating in an applied project.

- Academic and artistic progress is evaluated at the end of each semester by a faculty committee.
- A professional internship is required and can be fulfilled anytime after the first year of study.
- Students conclude with an applied ensemble design project suited to their needs and interests.
- The first year is dedicated to creating an ensemble, as well as honing the skills needed to visually communicate ideas to a director and audience.
- The second year concentrates on new work development that will culminate in a tour. This year also concentrates on strengthening design abilities.
- The third year serves as a bridge between the educational and professional theatre and the communities they serve.

Program continuation is contingent upon a successful review.

Admission Requirements: Applicants must submit a Graduate College online application. Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Students are admitted to this program every three years, forming a cohort with their colleagues in the other M.F.A. programs in theatre practice; the next class will begin course work in 2014. Students must fulfill both the requirements of the Graduate College and those of the School of Theatre and Film. The deadline for application to the School of Theatre and Film is March 15.

The School of Theatre and Film requires the following additional application components:

- Academic writing sample.
- Current resume.
- Personal interview.
- Portfolio of 10 samples of visual work to be presented at interview.
- Three letters of recommendation from professionals familiar with the student's work.
- Written statement of purpose.

Contact Information:

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Theatre (Performance), MFA (FAPERFMFA)

Online Degree Search Title: Theatre Performance (MFA)

Campus: TEMPE

Program Description: The M.F.A. in theatre with a performance concentration readies students for the evolving roles of theatre and the performing artist. The school offers an approach to training that includes, and goes beyond, traditional actor training by fusing traditional techniques with newer approaches, such as:

- Connected Motion.
- Devising and integrating media with live performance.
- Fitzmaurice Voicework.
- Meisner Technique.
- Rasaboxes.
- Solo Performance.
- Viewpoints.

The program stresses skills for approaching and creating new work, developing artistic entrepreneurship, performance applications in multimedia, and interdisciplinary collaboration, informed by artistic integrity and social responsibility.

During the third year of study, candidates serve professional internships. ASU enjoys a close relationship with the Actors Theatre, an Equity company located in downtown Phoenix, which is dedicated to producing contemporary work. Other companies where students have served internships include:

- Chicago Dramatist Theatre.
- Cleveland Playhouse.
- Hartford Stage.
- North Coast Rep.
- One Yellow Rabbit.
- SITI Company.
- Theatre L'Homme Dieu.
- Victory Gardens.

Admission to the directing, performance and performance design concentrations is cohort-based.

Degree Requirements: 60 credit hours including the required course (THP 693) and an Applied Project.

This is a three-year program culminating in an applied project.

- The first year is dedicated to intensive voice, movement and acting training, and individual skill- and ensemble-building. During this year, students discover their artistic vision.
- Second-year training provides opportunities for students to explore this newly discovered vision in a wide range of performance modalities such as Viewpoints, community-embedded drama, performance art, solo performance and devising. Performers collaborate with the M.F.A. cohort to develop new work.
- The third year serves as a bridge between the educational and professional worlds and the communities they serve.

Students conclude their graduate studies with an applied performance project, specifically suited to their needs and interests. Academic and artistic progress is evaluated at the end of each semester by a faculty committee. Program continuation is contingent upon a successful review. A professional internship is required.

Admission Requirements: Applicants must submit a Graduate College online application. Applicants from a country whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Students are admitted to this program every three years, forming a cohort with their colleagues in the other M.F.A. programs in theatre practice. The next class will begin course work in 2014. Students must fulfill both the requirements of the Graduate College and those of the School of Theatre and Film. The deadline for application to the School of Theatre and Film is March 15.

The School of Theatre and Film requires additional application components for the M.F.A. in theatre (performance):

- Current resume.
- Statement of purpose.

- Academic writing sample.
- An audition.
- An interview, either on campus or at one of the university/resident theatre association sites.
- Three letters of recommendation from professionals familiar with the student's work.

Contact Information:

Design & the Arts, Herberger Institute for
 School of Theatre and Film
<http://theatrefilm.asu.edu>
 GHALL 232
 theatrefilm@asu.edu
 480-965-5337

Theatre (Theatre For Youth), MFA (FAYOUTHMFA)

Online Degree Search Title: Theatre for Youth (MFA)

Campus: TEMPE

Program Description: This M.F.A. program in theatre for youth offers comprehensive course work in all areas of theatre for youth, including renowned faculty, superb facilities, practical experience working in drama and theatre with and for young people, and a challenging and supportive atmosphere ideal for educating future leaders in the field.

Degree Requirements: 60 credit hours including the required course (THP 693), an Applied Project, a Written Comprehensive Exam and an Oral Comprehensive Exam.

This is a three-year program. Required core courses are supplemented by elective courses in an emphasis area. The emphasis areas prepare students for careers in professional theatre, as artists or education directors, specialists in arts organizations or as teachers in elementary or secondary education. An internship with a professional theatre company, school or arts organization and a final applied project complete the program.

Admission Requirements: Applicants must submit a Graduate College online application. Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Students must fulfill both the requirements of the Graduate College and those of the School of Theatre and Film. The deadline for application to the School of Theatre and Film is Feb. 15.

The following additional application components are also required:

- Current resume.
- Statement of purpose, including a cover letter indicating the preferred area of study, summarizing the applicant's qualifications, artistic vision and how the applicant feels the M.F.A. theatre for youth program can help meet his or her goals.
- An interview.
- Three letters of recommendation from professionals familiar with the applicant's work.

Contact Information:

Design & the Arts, Herberger Institute for
 School of Theatre and Film
<http://theatrefilm.asu.edu>
 GHALL 232
 theatrefilm@asu.edu
 480-965-5337

Theatre (Theatre For Youth), PHD (FAYOUTHPHD)

Online Degree Search Title: Theatre for Youth (PhD)

Campus: TEMPE

Program Description: This Ph.D. degree program is designed to give students a broad knowledge of theatre, specialized research, production and teaching skills in theatre for youth. Studies include theatre history, theory and literature, theatre education and the theories and principles governing how young people learn to create and respond to theatre.

Each doctoral student follows a course of study including required and elective classes, to demonstrate general literacy in theatre history, criticism and literature as well as in-depth understandings and research perspectives in theatre and drama with and for young people.

Students may take courses in directing, acting, design, playwriting, theatre history and theatre theory and criticism. Tutorial courses with major professors are encouraged, as is graduate study in other departments offering courses in research methods, educational theory, critical theory and arts education.

Degree Requirements: 90 credit hours, a Foreign Language Exam, a Written Comprehensive Exam, an Oral Comprehensive Exam, a Prospectus and a Dissertation.

The concentration in theatre for youth requires:

- A core of 30 credit hours.
- 24 credit hours in research and dissertation preparation.
- Six credit hours of research methodology, approved by the supervisory committee. Where appropriate, the supervisory committee may approve certification of literacy in a foreign language as meeting this research methodology requirement. This approval is granted only in those circumstances wherein fluency in that language is necessary for the dissertation research.

In meeting these requirements, students, with the advice of the supervisory committee, may select theatre courses in areas such as:

- Community-based theatre.
- Theatre education.
- Theatre for social change.
- Theatre history.
- Theatre theory/criticism.
- Tutorial courses.

Students may also take courses outside the School of Theatre and Film in areas such as:

- Area studies.
- Aesthetic theory.
- Children's literature.
- Critical and cultural studies.
- Educational theory and methodology.
- Languages and literatures.
- The arts and arts education.

All activities are selected to help students meet the goals of the program and develop the capability of becoming leaders in the field.

Preliminary Reviews

Reviews of a student's performance in courses and development of research skills, artistic skills and teaching competencies are conducted by the supervisory committee at the end of each semester.

Comprehensive Examinations

These examinations are composed of written and oral components centering on theatre history, literature and criticism, theatre for youth and theatre education and the research area.

Dissertation Requirements

A dissertation based on original research work of high quality, demonstrating proficiency in the student's special field, is required.

Admission Requirements: Applicants must submit a Graduate College online application. Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Students must fulfill both the requirements of the Graduate College and those of the School of Theatre and Film. The deadline for application to the School of Theatre and Film is Jan. 15. The School of Theatre and Film requires additional application components for the Ph.D. in theatre with a concentration in theatre for youth:

- Current curriculum vitae.
- Sample of scholarly writing.
- Statement of purpose, which should explain the applicant's research, artistic and educational philosophies and goals, as appropriate to the applicant's desired focus in the doctoral program; explain also how study in the ASU Theatre for Youth program might particularly suit these goals/philosophies.
- An interview is strongly recommended.
- Three letters of recommendation from professionals familiar with the applicant's work; these letters should address specifically the applicant's potential for success in a doctoral program.

Contact Information:

Design & the Arts, Herberger Institute for

School of Theatre and Film

<http://theatrefilm.asu.edu/>

GHALL 232

theatrefilm@asu.edu

480-965-5337

Theatre (Theatre/Performance Americas), PHD (FAPERAMPHD)

Online Degree Search Title: Theatre (Performance America) PhD

Campus: TEMPE

Program Description: The Ph.D. in theatre with a concentration in theatre and performance of the Americas trains scholars to examine the histories, theories and practices associated with cultural performance, from a hemispheric point of view. Through course work, seminars, research and study opportunities, doctoral students work from diverse critical perspectives that mobilize thought across geographical and disciplinary borders. They develop skills to re-examine and interrogate the canon of theatre as text and as performance, expanding the traditional boundaries of theatre studies in two ways: 1) via a perspective that considers the shared histories and practices of theatre and performance in the Americas as central to an intervention in traditionally narrated histories and theories of theatre, and 2) via the methodologies of cultural and performance studies that accommodate other forms of embodied expression related to, but distinct from, formal theatrical expression.

The course of study is designed to provide substantive historical and theoretical grounding in the field, while allowing flexibility in the choice of specialized seminar and practical experiences. The first year of study immerses students in the theoretical and practical ground work of performance research, in general, and modalities of performance in the Americas, in particular. In the second year, students build on research interests identified in the first year, through specialized course work and practical experience.

Degree Requirements: 90 credit hours, a Foreign Language Exam, a Written Comprehensive Exam, an Oral Comprehensive Exam, a Prospectus and a Dissertation.

A total of 60 credit hours are required after completion of a master's in a relevant discipline.

The concentration in theatre and performance of the Americas consists of:

- A core of 24 hours.
- Twelve hours of electives, two of which must come from outside the school (as approved by the supervisory committee).
- 24 hours of research and dissertation preparation.

In meeting these requirements, students, with the advice of the supervisory committee, may select theatre courses in areas such as:

- Community-based theatre.
- Dramaturgy.
- Theatre for social change.
- Theatre history.
- Theatre theory/criticism.
- Topics seminars.

Students may also take courses outside the School of Theatre and Film in areas such as critical and cultural studies, area studies, languages and literatures, and aesthetic theory. All activities are selected to help students meet the goals of the program and develop the capability of becoming leaders in the field.

Preliminary Reviews

Reviews of the student's performance in courses and development of research skills, artistic skills and teaching competencies are conducted by the supervisory committee at the end of each semester.

Comprehensive Examinations

Examinations are composed of written and oral components centering on theatre history, literature and criticism, theatre and performance of the Americas and the research area.

Dissertation Requirements

A dissertation based on original high-quality research work, demonstrating proficiency in the student's special field, is required.

Admission Requirements: Applicants must submit a Graduate College online application.

Students must fulfill both the requirements of the Graduate College, including those regarding English proficiency, and those of the School of Theatre and Film. The deadline for application to the School of Theatre and Film is Jan. 15.

The School of Theatre and Film requires additional application components:

- A current curriculum vitae.
- A sample of scholarly writing.
- A statement of purpose, which should address the student's background and experiences as they relate to the student's reasons for pursuing the doctorate; describe the student's research interests; and indicate future career goals.
- An interview is strongly recommended.
- Three letters of recommendation from professionals familiar with the student's work.

Please note we only accept students who have already earned a master's in a relevant area.

Contact Information:

Design & the Arts, Herberger Institute for

School of Theatre and Film

<http://theatrefilm.asu.edu>

GHALL 232

theatre@asu.edu
480-965-5337

Urban Design, MUD (ARMUDMUD)

Online Degree Search Title: Urban Design (MUD)

Campus: TEMPE

Program Description: The M.U.D. is a multidisciplinary post-professional program within the Herberger Institute for Design and the Arts. The curriculum draws from the disciplines of architecture, landscape architecture, law, civil engineering, planning, public programs, real estate development and the first School of Sustainability in the U.S. The program leverages its local conditions (e.g., rapidly urbanizing metropolis, arid climate, and the New American University) toward the development of responsible global initiatives and innovative design strategies for urban environments.

The curriculum is built around the analysis and understanding of contemporary urban conditions specific to rapidly urbanizing and arid regions of the world. Students are encouraged to pursue concurrent graduate degrees within The Design School.

Degree Requirements: 45 credit hours and a Thesis, or 45 credit hours including a Capstone Course (MUD 622), or 45 credit hours including the required course (MUD 593) and an Applied Project.

Master of Urban Design (MUD) Degree Requirements:

First Year

Fall

ATE 598 Sustainability of the Built Environment (3)

MUD 590 Advanced Urban Design Studio I (5)

MUD 598 Urban Design Elements(3)

Spring

MUD 591 Advanced Urban Design Studio II (5)

MUD 598 Urban Design Issues (3)

Design Professional Elective (3)

Summer (recommended but not required)Professional Internship or Design Professional Elective or Design International Study Abroad Program

Second Year

Fall

MUD 621 Advanced Urban Design Studio III (5)

MUD 692 Thesis Research (3)

Design Professional Elective (3) SpringMUD 622 Advanced Urban Design Studio IV (5)

Design Professional Elective (3)

Urban Design Professional Elective (3)

Total credit hours in program: 45

Admission Requirements: Applicants must submit a Graduate College online application.

Applicants who hold a studio based four-year undergraduate design degree will be considered for the two-year M.U.D. program. The M.U.D. is a post-professional program.

Two-Year Program Admission Requirements

Applicants must:

- Hold an undergraduate or graduate degree from a college or university recognized by ASU in a studio-based design discipline.
- Meet the minimum GPA requirements as established by the Graduate College.
- Provide an official copy of GRE scores (unofficial copies will not be accepted).
- International students are required to submit an official TOEFL score, minimum score for admission to the program is 100 (Internet), 250 (computer-based), or 600 (paper-based).
- Additional application materials can be found online at <http://herbergerinstitute.asu.edu/students/grad/prospective/> (<http://herbergerinstitute.asu.edu/students/grad/prospective/>).

Admission Documents

Please submit the following items directly to the Graduate College:

- Official transcripts from all post-secondary institutions.
- Online application and fee.
- Test scores (GRE and TOFEL-for international applicants).

Contact Information:

Design & the Arts, Herberger Institute for
The Design School

<http://design.asu.edu/>
CDN 162
designgrad@asu.edu
480-965-3536

Visual Communication Design, MVCD (HIVCDMVCD)

Online Degree Search Title: Visual Communication Design (MVCD)

Campus: TEMPE

Program Description: The Master of Visual Communication Design degree is a 60-credit-hour studio-based degree in which students will work on strategic visual communication design projects with a focus on the development of visual communication systems firmly focused on information design and interaction design. Students in this program will engage in research, ideation, visualization, prototyping, and testing of creative solutions that address critical problems faced in the contemporary visual world. Graduates of this program will be adept in using principles of experience design, sustainability, and systems thinking in problem identification and its appropriate contextual solutions. The graduates of this program are expected to find positions in visual communication and media industry as well as academia after graduation.

Degree Requirements: 60 credit hours including the required course (GRA 622) and a Capstone.

Two-year track

Core: 43 credit hours

Electives: 6 credit hours

Internship: 6 credit hours (DSC 598, GRA 584)

Capstone: 5 credit hours (GRA 622)

Three-year track

Deficiency courses: 21 credit hours

Internship and a capstone course: 81 credit hours

Admission Requirements: All applicants must complete the Graduate College online application. A bachelor's degree from a regionally accredited college or university recognized by ASU is required. Minimum of a 3.00 cumulative GPA (scale is 4.00=A) in the last 60 hours of a student's bachelor's degree program.

Admission requirements for the two-year program: A minimum of a bachelor's degree (or equivalent) or a graduate degree from a regionally accredited college or university of recognized standing in visual communication design, graphic design, or equivalent is required. In addition, applicants will submit a portfolio of design work. Criteria for successful admission will concentrate on the applicant's design creativity and clear communication skills (as evidenced in the submitted design portfolio), academic capability, and probable contribution to the program through a variety of backgrounds and experiences.

Admission requirements for the three+ year program: The three+ year program accepts applications from students who do not hold an undergraduate degree in visual communication design or graphic design. Three+ year program applicants must submit a portfolio of creative work. Criteria for successful admission will concentrate on the applicant's design creativity and clear communication skills (as evidenced in the submitted design portfolio), academic capability, and probable contribution to the program through a variety of backgrounds and experiences.

TOEFL required for applicants whose native language is not English. http://graduate.asu.edu/admissions/international/english_proficiency (http://graduate.asu.edu/admissions/international/english_proficiency)

Contact Information:

Design & the Arts, Herberger Institute for
The Design School
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designgrad@asu.edu
480-965-3536

Engineering, Ira A. Fulton Schools of

Aerospace Engineering, MS (ESAEROSPMS)

Online Degree Search Title: Aerospace Engineering (MS)

Campus: TEMPE

Program Description: The aerospace engineering faculty offer a Master of Science program. There are two track options: 1) a thesis option, and 2) a non-thesis option. The non-thesis option has two possible culminating experiences: 1) a comprehensive exam, or 2) an applied project. The thesis and applied project options require a faculty advisor. Admitted students are assumed to be in a non-thesis comprehensive exam option until a

faculty advisor has been secured. In order to gain admission to the M.S. thesis option, qualified applicants must secure a faculty advisor prior to admission. Qualified applicants who have not secured a faculty advisor prior to admission decisions may be offered admission to the M.S. non-thesis option, with the opportunity to move to the M.S. thesis option after a thesis chair has been obtained. Additional information is in the Graduate Guidelines on the school website.

Degree Requirements: 30 credit hours and a Thesis, or 30 credit hours and a Written Comprehensive Exam (MIP), or 30 credit hours and an Oral Comprehensive Exam, or 30 credit hours including the required course (MAE 593) and an Applied Project.

Thesis and applied project students are encouraged to select a program committee chair as soon as possible, but no later than after completing 15 credit hours when the plan of study (iPOS) is filed. The graduate program chair will serve as the advisor for students pursuing the comprehensive exam.

The program committee chair, in consultation with the student, will establish a Master of Science Program Committee (MSPC). The MSPC shall be composed of a minimum of three members from the ASU faculty with at least two being from the aerospace engineering graduate faculty.

As soon as possible, but prior to completing 15 credit hours, the student, in consultation with the program committee chair, must file an iPOS with the university. The MSPC and the graduate program chair must approve changes to the iPOS.

The iPOS must be in accordance with university and program requirements. For students currently enrolled in a master's degree program at another institution and wishing to transfer to ASU, note that a maximum of nine graduate credit hours may be counted toward an M.S. at ASU. A minimum cumulative GPA of 3.00 is required throughout the program. Candidates for the M.S. must complete a minimum of 30 credit hours of 500 level and above courses with a minimum cumulative GPA of 3.00 or above in the following courses:

- At least 12 credit hours of graduate MAE course work (500 level and above) for thesis students, and at least 15 credit hours of graduate MAE course work (500 level and above) for non-thesis students. Non-MAE graduate courses may be substituted upon the approval of the MAE Graduate Affairs Committee.
- At least 6 credit hours of graduate mathematics-oriented courses (500 level and above). Students are strongly encouraged to take MAE 501 Linear Algebra in Engineering and MAE 502 Partial Differential Equations in Engineering.
- At least 6 credit hours of additional graduate (500 level and above) courses, which are not restricted to MAE courses or to other technical electives. A maximum of 3 credit hours of MAE 584 Internship may be counted towards this requirement. A combined maximum of 6 credit hours of MAE 591 Seminar, MAE 594 Graduate Research Conference, or MAE colloquium classes may be counted towards this requirement.
- Six credit hours of MAE 599 Thesis for thesis students; or up to 6 hours of MAE 593 Applied Project for applied project students, or 3 hours of additional graduate electives (500 level and above) for comprehensive exam students. These additional 3 hours of graduate electives are not restricted to MAE courses or to other technical electives.

A final defense of the thesis will be administered by the Master of Science Program Committee.

Admission Requirements: Admission to the aerospace engineering graduate programs is highly competitive. Application deadlines are Jan. 31 for the fall and July 1 for the spring. Complete applications to the M.S. program are comprised of:

- Online Graduate College application.
- Application fee.
- Official GRE score.
- Official Test of English as a Foreign Language (TOEFL) score for international students.
- Official transcripts.
- Personal statement.
- Three letters of recommendation.

Students interested in applying to this program must submit an online application to the Graduate College. A minimum GPA of 3.00 (on a 4.00 scale) is required for graduates from accredited U.S. institutions. The Graduate College is responsible for international GPA interpretation. All applicants are required to take the general GRE.

All applicants are required to submit a statement of academic and career objectives and address the desire to pursue graduate studies at ASU in aerospace engineering.

Students who do not have English as their primary language are required to achieve a minimum score of 80 on the Internet-based Test of English as a Foreign Language (TOEFL).

Three letters of recommendation are required, using the online recommendation system.

Contact Information:

Engineering, Ira A. Fulton Schools of
Mechanical and Aerospace Engineering Program
<http://engineer.asu.edu/programs/esaerspms>
ECG G337
semtegrad@asu.edu
480-965-4979

Aerospace Engineering, PHD (ESAERSPPHD)

Online Degree Search Title: Aerospace Engineering (PhD)

Campus: TEMPE

Program Description: The graduate program in aerospace engineering accommodates individual interests and encourages independent and innovative study. Students are part of a diverse intellectual community dedicated to advancing the state of the art and practice of aerospace engineering. All graduate programs stress a sound foundation in technical fundamentals, communication and professionalism. Additional information can be found in the M.A.E. Ph.D. Handbook on the school website.

Degree Requirements: 84 credit hours, a Written Comprehensive Exam, an Oral Comprehensive Exam, a Prospectus and a Dissertation. The Ph.D. is directed toward original research. Students are required to write and defend a dissertation describing an original contribution within the discipline. The student must select a program committee chair (faculty advisor) prior to completing 42 credit hours. A change of program committee chair requires approval of the Graduate Program Chair.

A graduate student pursuing a Ph.D. plan of study in aerospace engineering must complete, within the first year of graduate studies at ASU, three 500-level (preferably core) courses in the major research area and one 500-level mathematics course with an average GPA of 3.25 or above.

Specific qualifying course requirements for each major research area are identified in the MAE Ph.D. Handbook.

The committee chair, in consultation with the student, will establish a program committee with the purpose to:

- Administer the comprehensive examination.
- Administer the dissertation defense.
- Approve the plan of study (iPOS).
- Provide guidance for the student's research.

The program committee shall consist of at least five ASU faculty with the majority being from the aerospace engineering graduate faculty, with at least one being from outside this academic discipline. Additional information regarding the composition of the committee can be found in the MAE Ph.D. Handbook.

The student, in consultation with the program committee chair and committee, must file an iPOS prior to completing 42 credit hours. The iPOS must meet general university requirements, including the need for rigorous fundamental knowledge of engineering principles. Ph.D. candidates must complete a minimum of 84 credit hours of course and dissertation work in total for degree requirements. Thirty credit hours of appropriate course work from a previously earned master's degree may be applied toward the total credit hours; at least 54 hours must be taken at ASU after admission to the Ph.D. program. A minimum cumulative GPA of 3.25 is required. Degree requirements are distributed as follows:

- At least 18 credit hours of course work directly related to the research area (major).
- At least nine credit hours of mathematics.
- At least nine credit hours of graduate courses outside the major research area; these must be in mathematics, engineering and/or science.
- MAE 792 research credit hours.
- Twelve credit hours of MAE 799 dissertation.

All students pursuing the Ph.D. are required to pass a comprehensive examination administered by the program committee.

Admission Requirements:

- Students interested in applying to this program must submit an online Graduate College application.
- All applicants are required to submit a statement of academic and career objectives and address the desire to pursue graduate studies at ASU in aerospace engineering.
- All applicants are required to take the general GRE.
- A minimum GPA of 3.00 (on a 4.00 scale) is required for graduates from accredited U.S. institutions. The Graduate College is responsible for international GPA interpretation.
- Students who do not have English as their primary language are required to achieve a minimum score of 80 on the internet-based Test of English as a Foreign Language (TOEFL).
- Three letters of recommendation are required, using the online recommendation system.

Contact Information:

Engineering, Ira A. Fulton Schools of
Mechanical and Aerospace Engineering Program
<http://engineer.asu.edu/programs/esaerspphd>
ECG G337
semtegrad@asu.edu
480-965-4979

Aerospace Engineering (Engineering Education), PHD (ESAEEEDPHD)

Online Degree Search Title: Aerospace Engineering (Engineering Education) PhD

Campus: TEMPE

Program Description: Students pursuing the Ph.D. in aerospace engineering are eligible to apply for the engineering education concentration. The engineering education concentration is interdisciplinary and will combine research in engineering with research in education. The doctoral engineering education concentration will prepare students to become scholars, researchers or practitioners in academia. The concentration

provides students with an opportunity to explore pedagogy, methodology, curriculum and instruction and apply it to engineering. Students enrolled in the engineering education concentration under the Ph.D. in aerospace engineering will complete 18 credit hours of graduate-level engineering course work with a specific research focus, nine hours of graduate-level mathematics, and 15 hours of graduate-level education course work. The program is directed toward original research. The students will be required to write and defend a dissertation that describes an original contribution within the chosen engineering discipline that integrates an education component (e.g., research on engineering pre-university programs, undergraduate engineering curriculum and instruction). The research results should be suitable for publication in a reputable journal. Students will be required to satisfy all aerospace engineering qualifying and comprehensive requirements and to abide by all policies set forth by the Ira A. Fulton Schools of Engineering.

Degree Requirements: 84 credit hours, a Written Comprehensive Exam, an Oral Comprehensive Exam, a Prospectus and a Dissertation.

The program committee for this concentration shall consist of at least five ASU faculty with the majority being from the aerospace engineering graduate faculty, but at least one being a non-aerospace engineering graduate faculty. It is expected, but not required, that the program committee will be co-chaired by a member of the aerospace engineering graduate faculty, and a faculty member with expertise in education or an education-related discipline.

This concentration entails the following:

- Eighteen credit hours will be taken in the major engineering research area.
- Fifteen credit hours of appropriate education courses in methodology, curriculum and instruction; research hours will be taken as required.
- Nine credit hours of appropriate mathematics courses.
- Thirty credit hours of appropriate course work may be accepted from a previously earned engineering master's degree. Students without a previously earned master's degree will be required to take 30 credit hours of course work and research related to the student's dissertation.
- Twelve credit hours of dissertation.

Admission Requirements: All applicants are required to submit the online Graduate College application, meet all Graduate College admission criteria, and take the general GRE; a subject-specific GRE is not required. Other requirements are as follows:

- A minimum GPA of 3.00 (on a 4.00 scale) for graduates of accredited U.S. institutions. ASU's Graduate College is responsible for international GPA interpretation.
- A statement of academic and career objectives addressing the desire to pursue an engineering education concentration Ph.D. in aerospace engineering (statement of purpose).
- Students whose native language is not English are required to achieve minimum English proficiency requirements as specified by the Graduate College.
- Three letters of recommendation, using the format specified by the unit.

Contact Information:

Engineering, Ira A. Fulton Schools of
Mechanical and Aerospace Engineering Program
<http://engineer.asu.edu/graduate>
ECG G337
semtegrad@asu.edu
480-965-4979

Applied Ethics and the Professions (Ethics and Emerging Technologies), MA (LAAPEETMA)

Online Degree Search Title: Applied Ethics (Ethics and Emerging Technologies) MA

Campus: POLY, TEMPE

Program Description: The purpose of this program is to examine ethical challenges posed by emerging technologies, including nanotechnology, neurotechnology, biotechnology, robotics and advanced information and communication technology. Not only are these technologies being developed at an unprecedented pace, they also share several unique characteristics, including system complexity, social embeddedness and the potential to converge with one another. Emerging technologies will change how humans live and work and have the potential to alter the very nature of human existence. Questions considered by courses in the program include:

- Emerging technologies and public policy.
- Ethical responsibilities of professionals engaged in development of emerging technologies.
- Promise and perils of emerging technologies.
- Whether traditional ethical concepts and processes can and should be applied to emerging technologies.

Degree Requirements: 30 credit hours including the required course (AEP 593) and an Applied Project. Graduate course work is distributed as follows:

- Required core courses (6).
- Required concentration course (3).
- Elective concentration courses (15).
- Required culminating experience as capstone courses (6).

Admission Requirements: All applicants must submit the Graduate College online application and meet both the Graduate College and program admission criteria. The following documents are required for the application process:

- Official GRE scores are to be sent directly to the Graduate College.
- Official transcripts from all postsecondary institutions attended are to be sent directly to the Graduate College.
- Statement of interest in applied ethics and career goals.
- Three letters of recommendation.
- Applicants whose native language is not English must demonstrate proficiency in the English language by meeting the Graduate College's English proficiency requirements. Applicants required to demonstrate English proficiency and seeking a teaching assistantship must demonstrate proficiency in spoken English; a score of 55 or better on the Speaking Proficiency English Assessment Kit (SPEAK) or a score of 26 on the speaking portion of the TOEFL is required.

Contact Information:

Engineering, Ira A. Fulton Schools of
 School of Sustainable Engineering & Built Environment
<http://engineering.asu.edu/sebe>
 ECG 251
 sebe.advising@asu.edu
 480-965-0595

Biomedical Engineering, MS (ESBIOENMS)

Online Degree Search Title: Biomedical Engineering (MS)

Campus: TEMPE

Program Description: The Harrington biomedical engineering faculty offer a graduate program leading to the M.S. in biomedical engineering. Areas of study include:

- Biomaterials.
- Biomedical imaging and informatics.
- Molecular, cellular and tissue engineering.
- Neural engineering.
- Rehabilitation engineering.
- Synthetic and systems biology.

Biomedical engineering offers both thesis and nonthesis M.S. degrees to those students who meet the criteria for successful graduate study. Biomedical engineering offers a joint B.S.E. and nonthesis M.S. in the biomedical engineering degree program. The program allows up to nine credit hours of graduate-level course work taken as technical electives during the senior year to be applied toward the undergraduate and graduate degrees.

Degree Requirements: 30 credit hours and a Thesis, or 30 credit hours and a Written Exam (MIP), or 30 credit hours including the required course (BME 593) and an Applied Project.

All candidates pursuing an M.S. in biomedical engineering are required to complete an approved plan of study. Special course requirements for the different areas of study are established by the faculty.

Candidates whose undergraduate degree is in a field other than biomedical engineering may be required to complete more than the required credit hours of the program of study.

The following are program requirements for the thesis M.S., for a total of 30 credits:

- Biomedical engineering course work (9).
- Biomedical engineering seminar (3).
- General electives (6).
- Mathematical electives (6).
- Thesis (6).

The following are program requirements for the nonthesis M.S., for a total of 30 credits:

- Applied project (3).

- Biomedical engineering course work (13).
- Biomedical engineering seminar (2).
- General electives (6).
- Mathematical electives (6).

Admission Requirements: In addition to the general requirements for admission to the Graduate College, applicants must submit the following directly to the Graduate College:

- An online Graduate College application.
- Official GRE scores.
- Official Test of English as a Foreign Language (TOEFL) scores, if applicable.
- Resume or curriculum vitae.
- A statement of purpose.
- Three letters of recommendation.

Contact Information:

Engineering, Ira A. Fulton Schools of
 Harrington Bioengineering Program
<http://engineering.asu.edu/sbhse>
 ECG 334
 sbhse-advising@asu.edu
 480-965-5485

Biomedical Engineering, PHD (ESBIOENPHD)

Online Degree Search Title: Biomedical Engineering (PhD)

Campus: TEMPE

Program Description: The Harrington biomedical engineering faculty offer a graduate program leading to the Ph.D. in biomedical engineering. Areas of study include:

- Biomaterials.
- Biomedical imaging and informatics.
- Molecular, cellular and tissue engineering.
- Neural engineering.
- Rehabilitation engineering.
- Synthetic and Systems Biology.

The Ph.D. in biomedical engineering is conferred upon evidence of excellence in research resulting in a scholarly dissertation that is a contribution to knowledge.

Degree Requirements: 84 credit hours, a Written Comprehensive Exam, an Oral Comprehensive Exam, a Prospectus and a Dissertation.

Required Bioengineering Courses

Doctoral students are required to complete the following core curriculum of nine credits:

BME 598 Modeling for Molecular/Cellular Engineering (4)

BME 598 Modeling and Simulation of Physiological Systems (4)

BME 598 Scientific Communications (1)

All students must complete the two courses listed below in their chosen track, for a total of eight credits:

Neural Engineering Track

BME 598 Computational Neuroscience (4)

BME 598 Introduction to Neural Engineering (4)

Molecular Cellular and Tissue Engineering Track

BME 598 Advanced Bioengineering Transport (4)

BME 598 Advanced Biomaterials (4)

Bioimaging and Bioinformatics Track

BME598 Application of MRI Imaging (4)

BME598 Introduction to Biomedical Imaging (4)

Technical Electives

No fewer than 12 credit hours of course work (as determined by the student's committee)

Research/Dissertation

BME 780 Practicum (3) BME 799 Dissertation (12)

BME 792 Research (37)

Seminar

Admission Requirements: In addition to the general requirements for admission to the Graduate College, applicants must submit the following directly to the Graduate College:

- An online Graduate College application.
- Official GRE scores.
- Official Test of English as a Foreign Language (TOEFL) scores, if applicable.
- A statement of purpose.
- Resume or curriculum vitae.
- Three letters of recommendation.

Please view the School of Biological and Health Systems admissions checklist on the web for specific admissions procedures and deadlines.

Contact Information:

Engineering, Ira A. Fulton Schools of
Harrington Bioengineering Program
<http://engineering.asu.edu/sbhse>
ECG 334
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480-965-5485

Chemical Engineering, MS (ESCHEMEMS)

Online Degree Search Title: Chemical Engineering (MS)

Campus: TEMPE

Program Description: The chemical engineering faculty offers a graduate program leading to the M.S. in chemical engineering. This degree has two track options: a thesis option and a non-thesis option. The non-thesis option has an applied project. The thesis and applied project options require a faculty advisor. All admitted students are assumed to be in a non-thesis option until a faculty advisor has been secured. Areas of research emphasis include, but not limited to:

- Atmospheric aerosols.
- Biomolecular engineering.
- Biosensors.
- Chemical therapies for neurodegenerative diseases.
- Composite material synthesis and characterization.
- Electrochemistry.
- Electronic materials processing.
- Engineering education.
- Flexible display technology.
- Fuel cells.
- Inorganic membranes.
- Process design and operations.
- Protein synthesis.
- Surface, interface and colloidal science.
- Transport phenomena in living systems.
- Water purification.

A graduate handbook detailing information on graduate studies in chemical engineering is available on the school website. Students should contact the graduate programs office for additional details.

Degree Requirements: 33 credit hours and a Thesis, or 33 credit hours including the required course (CHE 593) and an Applied Project, or 33 credit hours, a Written Comprehensive Exam and an Oral Comprehensive Exam (MIP).

All candidates for the M.S. in chemical engineering are required to complete an approved plan of study. The required course work for this degree is divided into the following categories:

Chemical Engineering Core Requirements: Students are required to take 15 credit hours of graduate-level chemical engineering courses, exclusive of seminar (CHE 591), research/thesis (CHE 592/599) and reading and conference (CHE 590). Of these 15 hours, three courses (nine hours) must come from the following list:

CHE 533 Transport Processes I (3)

CHE 543 Thermodynamics of Chemical Systems (3)

CHE 544 Chemical Reactor Engineering (3)

Technical Electives: The amount of technical electives for each student is nine, however the composition of the technical electives will vary based

on each student's final culminating experience. At least one technical elective course (three hours) must be taken from outside of chemical engineering. CHE 590 Reading and Conference may be taken as a technical elective only once, for a maximum of three credits.

Thesis: Thesis based students must select a minimum of nine technical electives; thesis students may take three hours of CHE 592 Research towards the nine hours of technical electives.

Applied Project: Students who are pursuing the applied project option must register for three hours of CHE 593 and will have to complete a total of six hours of technical electives. For more detailed information, please see the Graduate Handbook on the School website.

Seminar: All full-time chemical engineering graduate students are required to successfully complete the seminar course (CHE 591) during every semester of residence. Part-time students are required to complete CHE 591 at least three times. Only three hours of seminar apply toward the M.S., regardless of how many times it is taken. Candidates whose undergraduate degree was in a field other than chemical engineering may be required to complete more than 33 credit hours.

Admission Requirements: Applicants to the M.S. program are required to submit the following:

- Graduate College online admissions application.
- Application fee.
- Official GRE scores.
- Official Test of English as a Foreign Language (TOEFL) scores, for international students only. Chemical engineering requires a minimum score of 600 (paper-based) and 100 (Internet-based) for admissions consideration.
- Official transcriptions from all prior institutions attended.
- Resume.
- Statement of purpose describing the applicant's research interests and reasons for seeking a degree in chemical engineering.
- Three letters of recommendation from faculty or professionals who can comment on the applicant's research and scholarly capabilities. Letters of recommendation are submitted via the online recommendation system.

Contact Information:

Engineering, Ira A. Fulton Schools of
Chemical Engineering Program
<http://engineer.asu.edu/programs/eschemems>
ECG G337
semtegrad@asu.edu
480-965-4979

Chemical Engineering, PHD (ESCHEMEPHD)

Online Degree Search Title: Chemical Engineering (PhD)

Campus: TEMPE

Program Description: The chemical engineering faculty offers a graduate program leading to the Ph.D. in chemical engineering. Areas of research emphasis include:

- Atmospheric aerosols.
- Biomolecular engineering.
- Biosensors.
- Chemical therapies for neurodegenerative diseases.
- Electrochemistry.
- Electronic materials processing.
- Engineering education.
- Flexible display technology.
- Fuel cells.
- Inorganic membranes.
- Process design and operations.
- Protein synthesis.
- Transport phenomena in living systems.
- Water purification.

A graduate handbook, detailing information on graduate studies in chemical engineering, is available on the school website. Students should contact the graduate programs office for additional details.

Degree Requirements: 84 credit hours, a Written Comprehensive Exam, an Oral Comprehensive Exam, a Prospectus and a Dissertation.

Chemical Engineering Core: The Ph.D. program requires nine credit hours of graduate-level chemical engineering courses. The following three courses (comprising these nine credit hours) are required for all students:

CHE 533 Transport Processes I (3)

CHE 543 Thermodynamics of Chemical Systems (3)

CHE 544 Chemical Reactor Methods (3)

Technical Electives: In addition to the nine credit hours of core above, the doctoral program requires 18 credit hours of technical electives from within or outside the chemical engineering program. CHE courses meeting this requirement must be at the 520 level or higher in the CHE prefix; 400-level and 590 courses (from CHE or outside programs) may not be used to fulfill this requirement (although they may be used to satisfy additional research and electives courses). Students should consult with their supervisory committees in selecting appropriate technical elective courses.

Research/Dissertation: Students are required to take 12 hours of research (CHE 792) and 12 hours of dissertation (CHE 799), for a combined total of 24 hours. Note that 12 hours (and only 12) of dissertation credit (CHE 799) are required on the plan of study. Moreover, students can only take CHE 799 once they have passed the comprehensive exam and been admitted to candidacy.

Seminar: Students must register for the one-credit-hour seminar (CHE 591) during every semester in residence. However, only a maximum of five credit hours may apply to the plan of study.

Additional Research/Elective Hours: The additional 28 hours necessary to meet the 84-hour minimum may be fulfilled with any combination of additional research hours (CHE 792) and technical electives from chemical engineering or other programs. CHE 590 Reading and Conference hours may also be used to fulfill this area.

Note that a maximum of six credit hours of 400-level courses in programs outside chemical engineering may be used to fulfill this area unless the course content significantly matches that of 300-level or lower courses in engineering. For example, STP 420 does not qualify as a valid elective. Elective courses used to meet this requirement must be approved as part of the student's plan of study.

Admission Requirements: Applicants are required to submit the following:

- Graduate College online admission application.
- Application fee.
- Current resume.
- GRE scores.
- Official Test of English as a Foreign Language (TOEFL) scores, for international students only. Chemical engineering requires a minimum of 600 (paper-based) and 100 (Internet-based) for admission consideration.
- Official transcripts from all prior institutions attended.
- Statement of purpose, describing the applicant's research interests and reasons for seeking a degree in chemical engineering.
- Three letters of recommendation from faculty or professionals who can comment on the applicant's research and scholarly capabilities. Letters of recommendation are submitted via the online recommendation system.

Please view the department page for specific admissions procedures on the school website. To be eligible for regular admission, the student must have a bachelor's in chemical engineering (or in a closely related field). To be eligible for regular admission, U.S. citizens normally will have a minimum GPA of 3.20 (4.00 scale) or equivalent. Foreign applicants normally will be in the top 10 percent of their graduating class. Students entering with master's degrees are required to have a minimum GPA in their master's course work of a 3.50 (4.00 scale).

Contact Information:

Engineering, Ira A. Fulton Schools of
Chemical Engineering Program
<http://engineer.asu.edu/programs/eschemephd>
ECG G337
semtegrad@asu.edu
480-965-4979

Civil, Environmental and Sustainable Engineering, MS (ESCIVILMS)

Online Degree Search Title: Civil, Environmental, and Sustainable Engineering (MS)

Campus: TEMPE

Program Description: The faculty in civil, environmental and sustainable engineering offers a graduate program leading to an M.S. in civil, environmental and sustainable engineering. The program is designed to enhance the knowledge gained in the undergraduate program by requiring the students to understand and practice fundamental concepts in engineering, mathematics and the basic sciences.

The pattern of course work applicable to the degree is potentially unique for each student, although it must conform to the general guidelines for subject matter content for the degree as authorized here and on the program's website. Students are admitted to one of the following specialty areas:

- Environmental engineering.
- Geotechnical engineering.
- Hydrosystems engineering.
- Structural engineering.
- Sustainable engineering.
- Transportation engineering.

Degree Requirements: 30 credit hours and a Thesis, or 30 credit hours and a Thesis (MIP).

The written thesis must be original research in nature. All candidates for the master's are required to complete 24 credit hours of approved graduate

course work and a minimum of six credit hours of thesis. Additional courses may be assigned by the graduate supervisory committee, depending on the background of the candidate.

A final oral examination in defense of the thesis written work is required for all students.

Admission Requirements: Applicants must submit an online Graduate College application.

Applicants are expected to satisfy all requirements for both admission to the Graduate College and to the program. Entry into this program requires a bachelor's with a major in engineering or a closely related bachelor's program. The student's credentials for admission are evaluated by the graduate program chair and a committee chaired by the specialty area coordinator. The minimum GPA requirement is an overall undergraduate GPA of 3.00 on a 4.00 scale. Applicants with a lower GPA may be provisionally admitted at the discretion of the admission committee.

A student whose undergraduate degree is not in civil engineering is required to take appropriate undergraduate courses as deficiency courses to establish a base of knowledge in the discipline. Deficiencies for admission to the graduate degree programs are specified at the time of admission and details can be obtained at the graduate studies section of the program's website.

Applicants must take the GRE and have their official scores sent directly to the Graduate College. Prospective students should note the following two requirements need to be met for consideration for admission: 1) minimum score in the quantitative section is 700, and 2) minimum combined quantitative and verbal scores is 1100. More information regarding how to send official GRE scores are on the Graduate College website.

Applicants are required to submit three letters of recommendation.

Applicants are encouraged to submit a resume and personal statement.

Applicants whose native language is not English must demonstrate proficiency in the English language by meeting the Graduate College's English proficiency requirements. Applicants required to demonstrate English proficiency and seeking a teaching assistantship must demonstrate proficiency in spoken English; a score of 55 or better on the Speaking Proficiency English Assessment Kit (SPEAK) or a score of 26 on the speaking portion of the TOEFL is required.

Contact Information:

Engineering, Ira A. Fulton Schools of
Civil, Environmental and Sustainable Eng Program
<http://engineering.asu.edu/sebe>
ECG 251
sebe.advising@asu.edu
480-965-0595

Civil, Environmental and Sustainable Engineering, MSE (ESCIVILMSE)

Online Degree Search Title: Civil, Environmental and Sustainable Engineering (MSE)

Campus: TEMPE

Program Description: The faculty in civil, environmental and sustainable engineering offer a professional program leading to a Master of Science in Engineering (M.S.E.) in civil, environmental and sustainable engineering. The program is designed to bridge the gap between knowledge of engineering sciences and creative engineering practice, while at the same time increasing the depth and breadth of knowledge in selected areas of emphasis.

The pattern of course work applicable to the degree is potentially unique for each student, although it must conform to the general guidelines for subject matter content for the degree as authorized here, on the program's website and in the program's graduate handbook. Students are admitted to one of the following specialty areas:

- Construction engineering.
- Environmental engineering.
- Geotechnical engineering.
- Hydrosystems engineering.
- Structural engineering.
- Sustainable engineering.
- Transportation engineering.

Degree Requirements: 30 credit hours and a Written Comprehensive Exam, or 30 credit hours and a Written Comprehensive Exam (MIP).

All candidates for the M.S.E. are required to complete approved graduate course work.

Additional courses may be assigned by the graduate supervisory committee depending on the background of the candidate.

Details of the comprehensive written examinations for the different specialty areas can be obtained at the graduate studies section of the program's website.

Admission Requirements: Applicants must submit an online Graduate College application.

Applicants are expected to satisfy all requirements for admission to the Graduate College. Entry into this program normally requires a bachelor's degree with a major in engineering or a closely related bachelor's degree program.

The student's credentials for admission are evaluated by the graduate program chair and a committee chaired by the specialty area coordinator.

A minimum GPA requirement is an overall undergraduate GPA of 3.00 on a 4.00 scale. Applicants with a lower GPA may be provisionally admitted at the discretion of the admission committee.

A student whose undergraduate degree is not in civil engineering is required to take appropriate undergraduate courses as deficiency courses to

establish a base of knowledge in the discipline. Deficiencies for admission to the graduate degree programs are specified at the time of admission and details can be obtained at the graduate studies section of the program's web site.

Applicants must take the GRE and have their scores sent to the Graduate College. Prospective students should note that the following two requirements need to be met for consideration for admission, 1) minimum score in the Quantitative section is 700, and 2) minimum combined Quantitative and Verbal scores is 1100. More information regarding how to send official GRE scores to the Graduate College can be found at http://graduate.asu.edu/admissions/support/ets_gretofel/what_process_sending_official_test_scores (http://graduate.asu.edu/admissions/support/ets_gretofel/what_process_sending_official_test_scores).

Applicants whose native language is not English must demonstrate proficiency in the English language by meeting the Graduate College's English proficiency requirements.

Contact Information:

Engineering, Ira A. Fulton Schools of
Civil, Environmental and Sustainable Eng Program
<http://engineering.asu.edu/sebe>
ECG 251
sebe.advising@asu.edu
480-965-0595

Civil, Environmental and Sustainable Engineering, PHD (ESCIVILPHD)

Online Degree Search Title: Civil, Environmental and Sustainable Engineering (PhD)

Campus: TEMPE

Program Description: The faculty in civil, environmental and sustainable engineering offers a graduate program leading to the Ph.D. in civil, environmental and sustainable engineering. A broad range of theoretical and experimental research programs have been established in civil and environmental engineering to prepare graduate students for careers in professional practice and research. These programs are constantly evolving with the changes in society and the profession, and many are multidisciplinary in nature.

The pattern of course work applicable to the degree is potentially unique for each student, although it must conform to the general guidelines for subject matter content for the degree as authorized here and in the program's graduate handbook. Students are admitted to one of the following specialty areas:

- Environmental engineering.
- Geotechnical engineering.
- Hydrosystems engineering.
- Structural engineering.
- Sustainable engineering.
- Transportation engineering.

Degree Requirements: 84 credit hours, a Written Comprehensive Exam, an Oral Comprehensive Exam, a Prospectus and a Dissertation.

All candidates for the doctorate are required to complete 84 approved graduate credit hours (of these, 30 hours can be from the previously awarded master's). Additional graduate credit work may be assigned by the graduate supervisory committee, depending on the background of the candidate. The graduate credit hours must include a minimum of 12 credit hours of research and 12 credit hours of dissertation work.

This degree also requires written and oral comprehensive examinations and approval of the dissertation prospectus for the student to be eligible for doctoral candidacy.

After entering candidacy, students complete their research, write and successfully defend their written dissertation.

A final oral examination in the defense of the dissertation work is required for all students.

Admission Requirements: Applicants must submit an online Graduate College application.

Applicants are expected to satisfy all requirements for admission to both the Graduate College and the program. Entry into this program requires a master's in engineering or a closely related master's program. Exceptionally qualified students with a bachelor's may be admitted to the doctoral program.

The student's credentials for admission are evaluated by the graduate program chair and a committee chaired by the specialty area coordinator. A minimum requirement is an overall GPA of 3.20 in all post-baccalaureate graduate course work.

A student whose undergraduate or master's is not in civil engineering is required to take appropriate undergraduate and/or graduate courses as deficiency courses, to establish a base of knowledge in the discipline. Deficiencies for admission to the program are specified at the time of admission, and details can be obtained at the graduate studies section of the program's website.

Applicants must take the GRE and have their official scores sent directly to the Graduate College. Prospective students should note the following two requirements need to be met for admission: 1) minimum score in the quantitative section is 700, and 2) minimum combined quantitative and verbal scores is 1100. More information regarding how to send official GRE scores can be found on the Graduate College website.

Applicants are required to submit three letters of recommendation.

Applicants are required to submit a resume and personal statement.

Applicants whose native language is not English must demonstrate proficiency in the English language by meeting the Graduate College's English proficiency requirements. Applicants required to demonstrate English proficiency and seeking a teaching assistantship must demonstrate proficiency in spoken English; a score of 55 or better on the Speaking Proficiency English Assessment Kit (SPEAK) or a score of 26 or higher on

the speaking portion of the TOEFL is required.

Contact Information:

Engineering, Ira A. Fulton Schools of
Civil, Environmental and Sustainable Eng Program
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480-965-0595

Computer Engineering (Computer Systems), MS (ESCENCMS)

Online Degree Search Title: Computer Engineering (Computer Systems) (MS)

Campus: TEMPE

Program Description: Computer engineering is a multi-disciplinary program that builds on the fundamentals of computer science, electrical engineering, industrial engineering and applied mathematics. Graduates of this program will have the knowledge and skills necessary to advance the design, system integration, testing, evaluation and deployment of the state-of-the-art hardware and software for systems that include computing, communications and networking (wired and wireless), control functions, sensing, signal processing and actuation. The M.S. program is intended for students who want to gain knowledge deeper than that provided at the B.S. level and sufficient for designing and implementing state-of-the-art systems in industrial research and development positions. The program is also appropriate for students contemplating future Ph.D. study and desiring to gain experience in research. M.S. graduates may work under the direction of Ph.D. scientists and engineers in high tech lab settings assisting in developing innovative products and systems that require strong foundational knowledge in the underlying sciences and the ability to synthesize and analyze engineering principles as they relate to the development of new computer engineering technology.

Degree Requirements: 30 credit hours and a Thesis, or 30 credit hours and a Written Comprehensive Exam.

The computer engineering master's degree requires:

Thesis Option:

six credit hours of required core courses (thesis option)
eighteen credit hours of approved electives (thesis option)
six credit hours of CEN 599 thesis (for thesis option)

Non-Thesis Option:

six credit hours of required core courses (non-thesis option)
twenty-four credit hours of approved elective (non-thesis option)

Admission Requirements: Applicants must submit an online Graduate College application.

Minimum of a bachelor's degree (or equivalent) or a graduate degree from a regionally accredited college or university of recognized standing in a related field such as:

- Computer engineering.
- Computer science.
- Computer systems engineering.
- Electrical engineering.

Minimum of a 3.00 cumulative GPA (scale is 4.00=A) in the last 60 hours of a student's bachelor's degree program.

GRE required if undergraduate program is not ABET accredited.

TOEFL required for applicants from a country whose native language is not English.

http://graduate.asu.edu/admissions/international/english_proficiency (http://graduate.asu.edu/admissions/international/english_proficiency)

Contact Information:

Engineering, Ira A. Fulton Schools of
Computer Science and Engineering Program
<http://engineering.asu.edu/cidse>
BYENG 208
cidse.advising@asu.edu
480-965-3199

Computer Engineering (Computer Systems), PHD (ESCENCPHD)

Online Degree Search Title: Computer Engineering (Computer Systems) (PhD)

Campus: TEMPE

Program Description: Computer engineering is a multi-disciplinary program that builds on the fundamentals of computer science, electrical engineering, industrial engineering and applied mathematics. Graduates of this program will have the knowledge and skills necessary to fundamentally advance and develop new paradigms for the design, system integration, testing, evaluation and deployment of state-of-the-art

hardware and software for systems that include computing, communications and networking (wired and wireless), control functions, sensing, signal processing and actuation. The Ph.D. program is intended for students with excellent ability in mathematics and physical science who are interested in gaining an in-depth knowledge of the foundational principles of engineering and pursuing a career in academia, research or highly technical entrepreneurial innovation. The Ph.D. program provides a broader and more in-depth preparation than the M.S. and M.S.E. programs in anticipation of a demonstrated ability to independently pursue more creative and substantive innovation with higher impact.

Degree Requirements: 84 credit hours, a Written Comprehensive Exam, an Oral Examination, a Prospectus and a Dissertation.

The computer engineering Ph.D. degree requires:

- At least 12 credit hours of CEN 792 Research
- At least 24 credit hours of approved computer engineering courses
- At least 18 credit hours of approved graduate courses from science, engineering or mathematics
- At most, six credit hours of CEN 790 Reading and Conference
- Six credit hours of required core courses
- Twelve credit hours of CEN 799 Dissertation

Admission Requirements: Applicants must submit an online Graduate College application.

Minimum of a bachelor's degree (or equivalent) or a graduate degree from a regionally accredited college or university of recognized standing in a related field such as:

- Computer engineering.
- Computer science.
- Computer systems engineering.
- Electrical engineering.

Minimum of a 3.00 cumulative GPA (scale is 4.00=A) in the last 60 hours of a student's bachelor's degree program. A minimum GPA of 3.00 is required in the M.S./M.S.E. work for acceptance into the Ph.D. program.

GRE required if undergraduate program is not ABET accredited.

TOEFL required for applicants from a country whose native language is not English.

http://graduate.asu.edu/admissions/international/english_proficiency (http://graduate.asu.edu/admissions/international/english_proficiency)

Contact Information:

Engineering, Ira A. Fulton Schools of
Computer Science and Engineering Program

<http://engineering.asu.edu/cidse>

BYENG 208

cidse@asu.edu

480-965-3199

Computer Engineering (Electrical Engineering), MS (ESCENEMS)

Online Degree Search Title: Computer Engineering (Electrical Engineering) (MS)

Campus: TEMPE

Program Description: Computer engineering is a multi-disciplinary program that builds on the fundamentals of computer science, electrical engineering, industrial engineering and applied mathematics. Graduates of this program will have the knowledge and skills necessary to advance the design, system integration, testing, evaluation and deployment of the state-of-the-art hardware and software for systems that include computing, communications and networking (wired and wireless), control functions, sensing, signal processing and actuation. The M.S. program is intended for students who want to gain knowledge deeper than that provided at the B.S. level and sufficient for designing and implementing state-of-the-art systems in industrial research and development positions. The program is also appropriate for students contemplating future Ph.D. study and desiring to gain experience in research. M.S. graduates may work under the direction of Ph.D. scientists and engineers in high tech lab settings assisting in developing innovative products and systems that require strong foundational knowledge in the underlying sciences and the ability to synthesize and analyze engineering principles as they relate to the development of new computer engineering technology.

Degree Requirements: 30 credit hours and a Thesis, or 30 credit hours and a Written Comprehensive Exam.

The computer engineering master's degree requires:

Thesis Option:

Six credit hours of required core courses (thesis option)

Eighteen credit hours of approved electives (thesis option)

Six credit hours of CEN 599 thesis (for thesis option)

Non-Thesis Option:

Six credit hours of required core courses (non-thesis option)

Twenty-four credit hours of approved elective (non-thesis option)

Admission Requirements: Applicants must submit an online Graduate College application.

Minimum of a bachelor's degree (or equivalent) or a graduate degree from a regionally accredited college or university of recognized standing in a related field such as:

- Computer engineering.
- Computer science.
- Computer systems engineering.
- Electrical engineering.

Minimum of a 3.00 cumulative GPA (scale is 4.00=A) in the last 60 hours of a student's bachelor's degree program.

GRE required if undergraduate program is not ABET accredited.

TOEFL required for applicants from a country whose native language is not English.

http://graduate.asu.edu/admissions/international/english_proficiency (http://graduate.asu.edu/admissions/international/english_proficiency)

Contact Information:

Engineering, Ira A. Fulton Schools of

Electrical Engineering Program

<http://engineering.asu.edu/ecee>

GWC 209

askee@asu.edu

480-965-3424

Computer Engineering (Electrical Engineering), PHD (ESCENEPHD)

Online Degree Search Title: Computer Engineering (Electrical Engineering) (PhD)

Campus: TEMPE

Program Description: Computer engineering is a multi-disciplinary program that builds on the fundamentals of computer science, electrical engineering, industrial engineering and applied mathematics. Graduates of this program will have the knowledge and skills necessary to fundamentally advance and develop new paradigms for the design, system integration, testing, evaluation and deployment of state-of-the-art hardware and software for systems that include computing, communications and networking (wired and wireless), control functions, sensing, signal processing and actuation. The Ph.D. program is intended for students with excellent ability in mathematics and physical science that are interested in gaining an in-depth knowledge of the foundational principles of engineering and pursuing a career in academia, research or highly technical entrepreneurial innovation. The Ph.D. program provides a broader and more in-depth preparation than the M.S. and M.S.E. programs in anticipation of a demonstrated ability to independently pursue more creative and substantive innovation with higher impact.

Degree Requirements: 84 credit hours, a Written Examination, an Oral Examination, a Prospectus and a Dissertation.

The computer engineering Ph.D. degree requires:

- At least 12 credit hours of CEN 792 Research.
- At least 18 credit hours of approved graduate courses from science, engineering or mathematics.
- At least 24 credit hours of approved computer engineering courses.
- At most, 6 credit hours of CEN 790 Reading and Conference.
- Six credit hours of required core courses.
- Twelve credit hours of CEN 799 Dissertation.

Admission Requirements: Applicants must submit an online Graduate College application.

Minimum of a bachelor's degree (or equivalent) or a graduate degree from a regionally accredited college or university of recognized standing in a related field such as:

- Computer engineering.
- Computer science.
- Computer systems engineering.
- Electrical engineering.

Minimum of a 3.00 cumulative GPA (scale is 4.00=A) in the last 60 hours of a student's bachelor's degree program. A minimum GPA of 3.50 is required in the M.S./M.S.E. work for acceptance into the Ph.D. program.

GRE required if undergraduate program is not ABET accredited.

TOEFL required for applicants from a country whose native language is not English.

http://graduate.asu.edu/admissions/international/english_proficiency (http://graduate.asu.edu/admissions/international/english_proficiency)

Contact Information:

Engineering, Ira A. Fulton Schools of

Electrical Engineering Program

<http://engineering.asu.edu/ecee>

GWC 209

askee@asu.edu

480-965-3424

Computer Science, MCS (ESCOMSCMCS)

Online Degree Search Title: Computer Science (MCS)

Campus: TEMPE

Program Description: The Master of Computer Science (M.C.S.) is an advanced degree targeted at students with an undergraduate education in computing and related disciplines who can best profit from further breadth and background in computer science. The M.C.S. also affords an opportunity for students employed in industry to seek a breadth of advanced education in computer science.

The M.C.S. program reflects the dual nature of computer science as both a scientific and engineering discipline by allowing emphasis on theory as well as practical applications. Students seeking the M.C.S. submit a project portfolio compiling projects completed in three courses during their studies. Students can study topics such as:

- Artificial intelligence.
- Computer-aided geometric design.
- Computer architecture.
- Computer graphics.
- Computer science theory.
- Database concepts.
- Digital systems design.
- Distributed systems.
- Language processing.
- Networking.
- Operating systems.
- Software engineering.

Degree Requirements: 30 credit hours and a Portfolio.

Each student defines a potentially unique program of study subject to approval by the graduate programs office and the Graduate College. The student must complete a minimum of 30 credit hours of approved graduate-level work. At least 24 of the 30 credit hours must be computer science and engineering (CSE) 500-level credits at ASU. At least 30 hours must be for formal course work (including CSE 591 but excluding credits for CSE 590 Reading and Conference).

M.C.S. students must complete a project portfolio from three courses in which the student received a "B" (3.00) grade or higher. See the Graduate Student Handbook for complete details: <http://engineering.asu.edu/graduate/cs> (<http://engineering.asu.edu/graduate/cs>).

Students will also complete one course in three areas to cover a wide range of knowledge. The three areas are:

- Applications: courses are in the areas of artificial intelligence, databases, graphics and multimedia.
- Foundations: courses focus on algorithms, mathematical logic, programming languages and theory.
- Systems: courses cover topics in architecture, networks, operating systems and software engineering.

Admission Requirements: Students interested in applying to the M.C.S. program must submit an online application to the Graduate College.

An applicant for the M.C.S. program should have a bachelor's degree in computer science, computer engineering or a closely related area. Every applicant must submit:

- Online Graduate College application.
- A statement of purpose.
- Official transcripts from every university attended.
- Scores for the GRE, unless the student has graduated with an undergraduate degree in computer science or computer systems engineering at ASU.
- Three letters of recommendation.
- Verbal, quantitative and analytical GRE scores are required while the subject test in computer science is optional.

International students meet the University's English Proficiency requirement prior to having the application processed. Please see

http://graduate.asu.edu/admissions/international/english_proficiency (http://graduate.asu.edu/admissions/international/english_proficiency).

If the student is assigned any deficiency course work upon admission, those classes must be completed with a grade of "B" (3.00) or higher within two semesters of admission to the program. Deficiency courses are:

CSE 230 Computer Organization and Assembly Language Programming

CSE 310 Data Structures and Algorithms

CSE 340 Principles of Programming Languages

CSE 355 Introduction to Theoretical Computer Science
CSE 360 Introduction to Software Engineering
CSE 430 Operating Systems

The applicant's undergraduate GPA and depth of preparation in computer science and engineering are the primary factors affecting admission. The application deadline for admission and financial aid is Dec. 1 for the fall semester and Aug. 1 for the spring semester.

Contact Information:

Engineering, Ira A. Fulton Schools of
Computer Science and Engineering Program
<http://engineering.asu.edu/cidse>
BYENG 208
cidse.advising@asu.edu
480-965-3199

Computer Science, MS (ESCOMSCMS)

Online Degree Search Title: Computer Science (MS)

Campus: TEMPE

Program Description: The Master of Science (M.S.) in computer science is a research-oriented degree targeted toward students with an undergraduate education in the science of computation. It provides instruction in advanced course work and emphasizes research by the student. Students can conduct cutting-edge research in a wide variety of research areas including:

- Algorithms.
- Artificial intelligence.
- Bioinformatics.
- Computer-aided geometric design.
- Computer graphics.
- Computer networks.
- Database systems.
- Distributed computing and operating systems.
- Embedded systems.
- Information assurance. Intelligent information integration.
- Multimedia information systems.
- Software engineering.

Degree Requirements: 30 credit hours and a Thesis.

Complete 30 credit hours of course work, including six credit hours of thesis to graduate with the M.S. degree. Students must successfully pass a thesis defense to graduate.

Complete one course in three areas to cover a wide range of knowledge. The three areas are:

- Applications: courses are in the areas of artificial intelligence, databases, graphics and multimedia.
- Foundations: courses focus on algorithms, mathematical logic, and computer science theory.
- Systems: courses cover topics in architecture, networks, operating systems and software engineering.

The remainder of the student's coursework focuses on the research area of interest, conducted with the guidance of a faculty advisor. Students must complete nine credit hours of course work in their research area.

Admission Requirements: Students interested in applying to the M.S. program must submit an online application to the Graduate College.

An applicant for the M.S. program should have a bachelor's degree in computer science, computer engineering or a closely related area. Every applicant must submit:

- Online Graduate College application.
- Scores for the GRE, unless the student has graduated with an undergraduate degree in computer science or computer systems engineering at ASU.
- Verbal, quantitative and analytical GRE scores are required while the subject test in computer science is optional.
- Three letters of recommendation.
- A statement of purpose.
- Official transcripts from every university attended.

International students meet the University's English Proficiency requirement prior to having the application processed. Please see http://graduate.asu.edu/admissions/international/english_proficiency (http://graduate.asu.edu/admissions/international/english_proficiency).

If the student is assigned any deficiency course work upon admission, those classes must be completed with a grade of "B" (3.00) or higher within

two semesters of admission to the program. Deficiency courses are:
CSE 230 Computer Organization and Assembly Language Programming
CSE 310 Data Structures and Algorithms
CSE 340 Principles of Programming Languages
CSE 355 Introduction to Theoretical Computer Science
CSE 360 Introduction to Software Engineering
CSE 430 Operating Systems

The applicant's undergraduate GPA and depth of preparation in computer science and engineering are the primary factors affecting admission. The application deadline for admission and financial aid is Dec. 1 for the fall semester and Aug. 1 for the spring semester.

Contact Information:

Engineering, Ira A. Fulton Schools of
Computer Science and Engineering Program
<http://engineering.asu.edu/cidse>
BYENG 208
cidse.advising@asu.edu
480-965-3199

Computer Science, PHD (ESCOMSCPHD)

Online Degree Search Title: Computer Science (PhD)

Campus: TEMPE

Program Description: The Ph.D. in computer science program prepares students to undertake fundamental and applied research in computer science to prepare students for careers in academia, government and industry. Students can conduct cutting-edge research in a wide variety of research areas, including:

- Algorithms.
- Artificial intelligence.
- Bioinformatics.
- Computer-aided geometric design and computer graphics.
- Computer networks.
- Database systems.
- Distributed computing and operating systems.
- Embedded systems.
- Information assurance.
- Intelligent information integration.
- Multimedia information systems.
- Software engineering.

Degree Requirements: 84 credit hours, a Written Comprehensive Exam, an Oral Comprehensive Exam, a Prospectus and a Dissertation.

The Ph.D. includes 12 to 18 credit hours of CSE 792 Research and 12 credit hours of CSE 799 Dissertation. Students will complete one course in three areas to cover a wide range of knowledge. The three areas are:

- Applications: courses are in the areas of artificial intelligence, databases, graphics and multimedia.
- Foundations: the courses focus on algorithms, mathematical logic, programming languages and theory.
- Systems: courses cover topics in architecture, networks, operating systems and software engineering.

Area courses cannot include CSE 598 courses.

Admission Requirements: Students interested in applying to this program must submit an online application to the Graduate College. An applicant for the Ph.D. program should have the equivalent of a bachelor's degree in computer science, computer engineering or a closely related area. Most applicants should have earned the master's degree, but exceptional undergraduate applicants may be admitted directly to the Ph.D. program. Every applicant must submit:

- Online Graduate College application.
- Official transcripts from every university attended.
- Scores for the GRE, unless the student has graduated with an undergraduate degree in computer science or computer systems engineering at ASU.
- A statement of purpose.
- Three letters of recommendation.
- Verbal, quantitative and analytical GRE scores are required while the subject test in computer science is optional.

International students meet the University's English Proficiency requirement prior to having the application processed. Please see

http://graduate.asu.edu/admissions/international/english_proficiency (http://graduate.asu.edu/admissions/international/english_proficiency).

If the student is assigned any deficiency course work upon admission, those classes must be completed with a grade of "B" (3.00) or higher within two semesters of admission to the program. Deficiency courses are:

CSE 230 Computer Organization and Assembly Language Programming

CSE 310 Data Structures and Algorithms

CSE 340 Principles of Programming Languages

CSE 355 Introduction to Theoretical Computer Science

CSE 360 Introduction to Software Engineering

CSE 430 Operating Systems

The applicant's undergraduate GPA and depth of preparation in computer science and engineering are the primary factors affecting admission.

The application deadline for admission and financial aid is Dec. 1 for the fall semester and Aug. 1 for the spring semester.

Contact Information:

Engineering, Ira A. Fulton Schools of

Computer Science and Engineering Program

<http://engineering.asu.edu/cidse>

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cidse.advising@asu.edu

480-965-3199

Computer Science (Arts, Media and Engineering), MS (ESAMECSMS)

Online Degree Search Title: Computer Science (Art, Media and Eng) (MS)

Campus: TEMPE

Program Description: The Master of Science (M.S.) in computer science program with a concentration in arts, media and engineering (AME) emphasizes research on the integration of the human physical experience with computation and digital media. Arts, media and engineering researchers produce experiential media systems and models that:

- Assist the disadvantaged.
- Evolve human ability.
- Enhance scientific discovery.
- Empower creativity.
- Facilitate learning.
- Improve quality of life.

Within these application areas, researchers explore experiential construction, interaction and feedback, knowledge creation, sensing, perception and modeling.

The purpose of the arts, media and engineering concentration in computer science is to train hybrid engineering-arts graduates who get their inspiration from the arts and their methodology from computer science and engineering. Students will specialize in transdisciplinary media development. More information about AME can be found at: <http://ame.asu.edu/> (<http://ame.asu.edu/>).

Degree Requirements: 30 credit hours and a Thesis.

Students complete 30 credit hours of course work, including nine credit hours of AME-approved course work and six credit hours of thesis, to graduate with the degree. Students must successfully pass a thesis defense to graduate. Students will complete nine credit hours of AME courses selected in consultation with the student's AME graduate advisor.

Students will also complete one course from each of the following three areas:

- Applications: artificial intelligence, databases, graphics and multimedia.
- Foundations: algorithms, mathematical logic, programming languages and theory.
- Systems: architecture, networks, operating systems and software engineering.

Admission Requirements: Students interested in applying to this program must submit an online application to the Graduate College. An applicant for the M.S. program should have a bachelor's degree in computer science, computer engineering or a closely related area.

Every applicant must submit:

- Online Graduate College application.
- Official transcripts from every university attended.
- Scores for the GRE, unless the student has graduated with an undergraduate degree in computer science or computer systems engineering at ASU.
- A statement of purpose.
- Three letters of recommendation.

International students must meet the University's English Proficiency requirement prior to having the application processed http://graduate.asu.edu/admissions/international/english_proficiency (http://graduate.asu.edu/admissions/international/english_proficiency).

The statement of purpose must address the transdisciplinary nature of the arts, media and engineering program. Applicants should explain in a concise and persuasive manner how their educational, professional and personal experiences inform their research and creative interests, writing on any aspect of their background that supports candidacy to the program. For further information on how this statement can be expanded upon by students interested in a research assistantships or an Integrative Graduate Education and Research Traineeship (IGERT) within arts, media and engineering, please visit <http://ame.asu.edu/education/prospective/funding.php>. Please submit a curriculum vitae with your statement of purpose. If the student is assigned any deficiency course work upon admission, those classes must be completed with a grade of "B" (3.00) or higher within two semesters of admission to the program. Deficiency courses include:

CSE 230 Computer Organization and Assembly Language Programming
CSE 310 Data Structures and Algorithms
CSE 340 Principles of Programming Languages
CSE 355 Introduction to Theoretical Computer Science
CSE 360 Introduction to Software Engineering
CSE 430 Operating Systems

The applicant's undergraduate GPA and depth of preparation in computer science and engineering are the primary factors affecting admission. The application deadline for admission and financial aid is Dec. 1 for the fall semester and Aug. 1 for the spring semester.

Contact Information:

Engineering, Ira A. Fulton Schools of
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<http://engineering.asu.edu/cidse>
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480-965-3199

Computer Science (Arts, Media and Engineering), PHD (ESAMECSPHD)

Online Degree Search Title: Computer Science (Art, Media and Eng) (PhD)

Campus: TEMPE

Program Description: The Ph.D. in the computer science program with a concentration in arts, media and engineering emphasizes research on the integration of the human physical experience with computation and digital media. Arts, media and engineering researchers produce experiential media systems and models that:

- Assist the disadvantaged.
- Empower creativity.
- Enhance scientific discovery.
- Evolve human ability.
- Facilitate learning.
- Improve quality of life.

Within these application areas, researchers explore experiential construction, interaction and feedback, knowledge creation, sensing, perception and modeling.

The purpose of the arts, media and engineering concentration is to train hybrid engineering-arts graduates who get their inspiration from the arts and their methodology from computer science and engineering. Students will specialize in transdisciplinary media development. More information about arts, media and engineering can be found at <http://ame.asu.edu/> (<http://ame.asu.edu/>).

Degree Requirements: 84 credit hours, a Written Comprehensive Exam, an Oral Comprehensive Exam, a Prospectus and a Dissertation.

Students in the Ph.D. in computer science program with an arts, media and engineering concentration must complete a minimum of 84 credit hours of approved graduate-level work, of which 36 credit hours focus on arts, media, and engineering, chosen in consultation with the student's AME graduate advisor. Students must complete 12-18 credit hours of CSE 792 Research and 12 credit hours of CSE 799 Dissertation.

Students will also complete one course from each of the following three areas:

- Applications: artificial intelligence, databases, graphics and multimedia.
- Foundations: algorithms, mathematical logic, programming languages and theory.
- Systems: architecture, networks, operating systems and software engineering.

Admission Requirements: Students interested in applying to this program must submit an online application to the Graduate College. An applicant for the M.S. program should have a bachelor's in computer science, computer engineering or a closely related area. Most applicants should have earned a master's, but exceptional undergraduate applicants may be admitted directly into the Ph.D. program.

Every applicant must submit:

- Online Graduate College application.
- CV/Resume.
- Official transcripts from every university attended.
- Scores for the GRE, unless the student has graduated with an undergraduate degree in computer science or computer systems engineering at ASU.
- A statement of purpose.
- Three letters of recommendation.
- Verbal, quantitative and analytical GRE scores are required while the subject test in computer science is optional.

International students must meet the University's English Proficiency requirement prior to having the application processed http://graduate.asu.edu/admissions/international/english_proficiency (http://graduate.asu.edu/admissions/international/english_proficiency).

The statement of purpose must fulfill any requirements defined by the graduate programs office and also address the transdisciplinary nature of the arts, media and engineering program. Applicants should explain in a concise and persuasive manner how their educational, professional and personal experiences inform their research and creative interests, writing on any aspect of their background that supports candidacy to the program. For further information on how this statement can be expanded upon by students interested in a research assistantships or an Integrative Graduate Education and Research Traineeship (IGERT) within arts, media and engineering, please visit <http://ame.asu.edu/education/prospective/funding.php> (<http://ame.asu.edu/education/prospective/funding.php>). Please submit a current curriculum vitae with your statement of purpose.

If the student is assigned any deficiency course work upon admission, those classes must be completed with a grade of "B" (3.00) or higher within two semesters of admission to the program. Deficiency courses include:

CSE 230 Computer Organization and Assembly Language Programming
CSE 310 Data Structures and Algorithms
CSE 340 Principles of Programming Languages
CSE 355 Introduction to Theoretical Computer Science
CSE 360 Introduction to Software Engineering
CSE 430 Operating Systems

The applicant's undergraduate GPA and depth of preparation in computer science and engineering are the primary factors affecting admission. The application deadline for admission and financial aid is Dec. 1 for the fall semester and Aug. 1 for the spring semester.

Contact Information:

Engineering, Ira A. Fulton Schools of
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<http://engineering.asu.edu/cidse>
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Computer Science (Information Assurance), MCS (ESCSEIMCS)

Online Degree Search Title: Computer Science (Information Assurance) (MCS)

Campus: TEMPE

Program Description: The Master of Computer Science (M.C.S.) with a concentration in information assurance is designed for graduate students who want to pursue a thorough education in the area of information assurance. The goal of this concentration is to provide students the knowledge, skills and the advanced development capability in science and engineering for information assurance, including computer and network security, software security, data and information security, applied cryptography and computer forensics.

The M.C.S. with a concentration in information assurance is an advanced degree targeted at students with an undergraduate education in computing and related disciplines, and students employed in industry who can best profit from further breadth and background in computer science and information assurance. Students will have a competitive advantage to secure employment. According to the National Security Agency, information assurance is defined as the set of measures intended to protect and defend information and information systems by ensuring their availability, integrity, authentication, confidentiality and nonrepudiation. This includes providing restoration of information systems by incorporating protection, detection and reaction capabilities.

Degree Requirements: 30 credit hours and a Portfolio.

The student must complete 30 credit hours of approved graduate-level work, including 15 credit hours of information assurance course work. At least 24 of the 30 credit hours must be computer science and engineering (CSE) 500-level credits at ASU. At least 30 hours must be formal course work (including CSE 591 but excluding credits for CSE 590 Reading and Conference). Students must complete 15 hours of approved information assurance course work. See <http://engineering.asu.edu/graduate/cs/concentrations#ia> (<http://engineering.asu.edu/graduate/cs/concentrations#ia>) for more information.

Students will also complete one course in one of the following three areas to cover a wide range of knowledge:

- Applications: courses are in the areas of artificial intelligence, databases, graphics and multimedia.
- Foundations: courses focus on algorithms, mathematical logic, programming languages and theory.
- Systems courses cover topics in architecture, networks, operating systems and software engineering.

M.C.S. students must complete a project portfolio from three courses in which the student received a "B" (3.00) grade or higher. See the Graduate Student Handbook for complete details: <http://engineering.asu.edu/graduate/cs> (<http://engineering.asu.edu/graduate/cs>).

Admission Requirements: Students interested in applying to the M.C.S. program must submit an online application to the Graduate College. An applicant for the M.C.S. program should have a bachelor's in computer science, computer engineering or a closely related area.

Every applicant must submit:

- Online Graduate College application.
- Official transcripts from every university attended.
- Scores for the GRE, unless the student has graduated with an undergraduate degree in computer science or computer systems engineering at ASU.
- A statement of purpose.
- Three letters of recommendation.

International students must meet the University's English Proficiency requirement prior to having the application processed http://graduate.asu.edu/admissions/international/english_proficiency (http://graduate.asu.edu/admissions/international/english_proficiency).

If the student is assigned any deficiency course work upon admission, those classes must be completed with a grade of "B" or higher within two semesters of admission to the program. Deficiency courses include:

CSE 230 Computer Organization and Assembly Language Programming
 CSE 310 Data Structures and Algorithms
 CSE 340 Principles of Programming Languages
 CSE 355 Introduction to Theoretical Computer Science
 CSE 360 Introduction to Software Engineering
 CSE 430 Operating Systems

The applicant's undergraduate GPA and depth of preparation in computer science and engineering are the primary factors affecting admission. The application deadline for admission and financial aid is Dec. 1 for the fall semester and Aug. 1 for the spring semester.

Contact Information:

Engineering, Ira A. Fulton Schools of
 Computer Science and Engineering Program
<http://engineering.asu.edu/cidse>
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cidse.advising@asu.edu
 480-965-3199

Computer Science (Information Assurance), MS (ESCSEIAMS)

Online Degree Search Title: Computer Science (Information Assurance) (MS)

Campus: TEMPE

Program Description: The Master of Science (M.S.) in the computer science program with a concentration in information assurance is designed for graduate students who want to pursue a thorough education in the area of information assurance. The goal of this concentration is to provide students the knowledge, skills, and the advanced development capability in science and engineering for information assurance, including computer and network security, software security, data and information security, applied cryptography and computer forensics. Students will have a competitive advantage to secure employment.

According to the National Security Agency, information assurance is defined as the set of measures intended to protect and defend information and information systems by ensuring their availability, integrity, authentication, confidentiality, and nonrepudiation. This includes providing restoration of information systems by incorporating protection, detection, and reaction capabilities.

Degree Requirements: 30 credit hours and a Thesis.

Students complete 30 credit hours of course work, including 15 credit hours of course work in information assurance and 6 credit hours of thesis work to graduate with the degree. Students must successfully pass a thesis defense to graduate.

Students must complete 15 hours of approved information assurance course work. See <http://engineering.asu.edu/graduate/cs/concentrations#ia> (<http://engineering.asu.edu/graduate/cs/concentrations#ia>) for more information.

Students will also complete one course in one of the following three areas, to cover a wide range of knowledge:

- Applications: courses are in the areas of artificial intelligence, databases, graphics and multimedia.
- Foundations: courses focus on algorithms, mathematical logic, programming languages and theory.
- Systems: courses cover topics in architecture, networks, operating systems and software engineering.

Admission Requirements: Students interested in applying to the M.S. program must submit an online application to the Graduate College. An applicant for the M.S. program should have a bachelor's degree in computer science, computer engineering or a closely related area. Every applicant must submit:

- Online Graduate College application.
- Official transcripts from every university attended.
- Scores for the GRE, unless the student has graduated with an undergraduate degree in computer science or computer systems engineering at ASU.
- A statement of purpose.
- Three letters of recommendation.

International students must meet the University's English Proficiency requirement prior to having the application processed http://graduate.asu.edu/admissions/international/english_proficiency (http://graduate.asu.edu/admissions/international/english_proficiency). If the student is assigned any deficiency course work upon admission, those classes must be completed with a grade of "B" or higher within two semesters of admission to the program. Deficiency courses include:

CSE 230 Computer Organization and Assembly Language Programming
CSE 310 Data Structures and Algorithms
CSE 340 Principles of Programming Languages
CSE 355 Introduction to Theoretical Computer Science
CSE 360 Introduction to Software Engineering
CSE 430 Operating Systems

The applicant's undergraduate GPA and depth of preparation in computer science and engineering are the primary factors affecting admission. The application deadline for admission and financial aid is Dec. 1 for the fall semester and Aug. 1 for the spring semester.

Contact Information:

Engineering, Ira A. Fulton Schools of
Computer Science and Engineering Program
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480-965-3199

Computer Science (Information Assurance), PHD (ESCSEIAPHD)

Online Degree Search Title: Computer Science (Information Assurance) (PHD)

Campus: TEMPE

Program Description: The Ph.D. in computer science program with a concentration in information assurance is designed for graduate students who want to pursue a thorough education in the area of information assurance. The goal of this concentration is to provide students the knowledge, skills and the advanced development capability in science, and engineering for information assurance, including:

- Applied cryptography.
- Computer forensics.
- Computer and network security.
- Data and information security.
- Software security.

Students will have a competitive advantage to secure employment. According to the National Security Agency, information assurance is defined as the set of measures intended to protect and defend information and information systems by ensuring their availability, integrity, authentication, confidentiality and nonrepudiation. This includes providing restoration of information systems by incorporating protection, detection, and reaction capabilities.

Degree Requirements: 84 credit hours, a Written Comprehensive Exam, a Prospectus and a Dissertation.

The doctoral program must contain a minimum of 84 credit hours of approved graduate-level work which includes 18 credit hours of information assurance courses. Students must also complete 12-18 credit hours of CSE 792 Research and 12 credit hours of CSE 799 Dissertation. See <http://engineering.asu.edu/graduate/cs/concentrations#ia> (<http://engineering.asu.edu/graduate/cs/concentrations#ia>) for more information on information assurance course options.

Students will also complete one course from each of the following three areas:

- Applications: artificial intelligence, databases, graphics and multimedia.
- Foundations: algorithms, mathematical logic, programming languages and theory.

- Systems: architecture, networks, operating systems and software engineering.

Area courses cannot include CSE 598 courses.

Admission Requirements: Students interested in applying to this program must submit an online application to the Graduate College. An applicant for the doctoral program should have the equivalent of a bachelor's in computer science, computer engineering or a closely related area. Most applicants should have earned the master's, but exceptional undergraduate applicants may be admitted directly into the doctoral program. Every applicant must submit:

- Online Graduate College application.
- Scores for the GRE, unless the student has graduated with an undergraduate degree in computer science or computer systems engineering at ASU.
- Verbal, quantitative and analytical GRE scores are required while the subject test in computer science is optional.
- Three letters of recommendation.
- A statement of purpose.
- Official transcripts from every university attended.
- Curriculum vitae or resume.

International students must meet the university's English proficiency requirement before having the application processed.http://graduate.asu.edu/admissions/international/english_proficiency
(http://graduate.asu.edu/admissions/international/english_proficiency)

If the student is assigned any deficiency course work upon admission, those classes must be completed with a grade of "B" or higher within two semesters of admission to the program. Deficiency courses include:

CSE 230 Computer Organization and Assembly Language Programming
CSE 310 Data Structures and Algorithms
CSE 340 Principles of Programming Languages
CSE 355 Introduction to Theoretical Computer Science
CSE 360 Introduction to Software Engineering
CSE 430 Operating Systems

The applicant's undergraduate GPA and depth of preparation in computer science and engineering are the primary factors affecting admission. The application deadline for admission and financial aid is Dec. 1 for the fall semester and Aug. 1 for the spring semester.

Contact Information:

Engineering, Ira A. Fulton Schools of
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Computer Sciences (Biomedical Informatics), MS (ESCSBIOIMS)

Online Degree Search Title: Computer Science (Biomedical Informatics)(MS)

Campus: TEMPE

Program Description: The M.S. in computer science with a concentration in biomedical informatics is designed for graduate students who wish to specialize in such topics as genomics and computational systems biology. The concentration is interdisciplinary in nature, providing preparation that integrates technological expertise in the information sciences, computer science, bioscience and statistics with an understanding of the clinical environment of the health care professional. It will expose computer science students to current issues in clinical practice as well as the use of information systems in health care settings.

Degree Requirements: 30 credit hours and a Thesis.

Students complete 30 credit hours of course work, including nine credit hours of course work in biomedical informatics and six credit hours of thesis work to graduate with the degree. Students must successfully pass a thesis defense to graduate. Students will complete the following nine credit hours in biomedical informatics:

BMI 501 Introduction to Biomedical Informatics (3)
BMI 540 Problem Solving in Biomedical Informatics (3)
BMI 5XX Approved Elective in Biomedical Informatics (3)

Students will also complete at least one course in three core areas, to cover a wide range of computer science knowledge. The three areas are foundations, systems and applications. Foundations courses focus on algorithms, mathematical logic, programming languages and theory. Systems courses cover topics in:

- Architecture.
- Networks.
- Operating systems.

- Software engineering.

Applications courses are in the areas of artificial intelligence, databases, graphics and multimedia.

The remainder of the course work will be in computer science, and students will focus their research in one of the following areas:

- Bioinformatics.
- Biomedical informatics.
- Clinical informatics.
- Imaging informatics.
- Public health informatics.

Admission Requirements: Students interested in applying to this program must submit an online application to the Graduate College. An applicant to the master's program should have a bachelor's in computer science, computer engineering or a closely related area. Every applicant must submit:

- Online Graduate College application.
- International students must submit Test of English as a Foreign Language (TOEFL) scores.
- Official transcripts from every university attended.
- Scores for the GRE, unless the student has graduated with an undergraduate degree in computer science or computer systems engineering at ASU.
- A statement of purpose.
- Three letters of recommendation.
- Verbal, quantitative and analytical GRE scores are required while the subject test in computer science is optional.

If the student is assigned any deficiency course work upon admission, those classes must be completed with a grade of "B" (3.00) or higher within two semesters of admission to the program. Deficiency courses include:

CSE 230 Computer Organization and Assembly Language Programming
 CSE 310 Data Structures and Algorithms
 CSE 340 Principles of Programming Languages
 CSE 355 Introduction to Theoretical Computer Science
 CSE 360 Introduction to Software Engineering
 CSE 430 Operating Systems

The applicant's undergraduate GPA and depth of preparation in computer science and engineering are the primary factors affecting admission. The application deadline for admission and financial aid is Dec. 1 for the fall semester and Aug. 1 for the spring semester.

Contact Information:

Engineering, Ira A. Fulton Schools of
 Computer Science and Engineering Program
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 480-965-3199

Construction Engineering, MSE (ESCONEMSE)

Online Degree Search Title: Construction Engineering (MSE)

Campus: TEMPE

Program Description: The Master of Science in Engineering (M.S.E.) in construction engineering is a multi-disciplinary program encompassing the areas of geotechnical engineering, structural engineering, transportation engineering, construction engineering and management-related topics. The degree focuses on a combination of design and management topics preparing the student for a career working at the interface of design and construction; it is especially desirable to those students who are interested in a career emphasizing construction of infrastructure.

Degree Requirements: 30 credit hours and a Written Comprehensive Exam.

All candidates for the M.S.E. are required to complete approved graduate course work.

Additional courses may be assigned by the graduate supervisory committee depending on the background of the candidate.

Details of the comprehensive written examinations for the different specialty areas can be obtained at the graduate studies section of the program's web site.

Admission Requirements: Applicants must submit an online Graduate College application.

Applicants are expected to satisfy all requirements for admission to the Graduate College. Entry into this program normally requires a bachelor's degree with a major in engineering or a closely related bachelor's degree program.

The student's credentials for admission are evaluated by the graduate program chair and a committee chaired by the specialty area coordinator. The minimum GPA requirement is an overall undergraduate GPA of 3.00 on a 4.00 scale. Applicants with a lower GPA may be provisionally admitted at the discretion of the admission committee.

A student whose undergraduate degree is not in civil or construction engineering is required to take appropriate undergraduate courses as deficiency courses to establish a base of knowledge in the discipline. Deficiencies for admission to the graduate degree programs are specified at the time of admission and details can be obtained at the graduate studies section of the program's web site.

Applicants must take the GRE and have their scores sent to the Graduate College. Prospective students should note that the following two requirements need to be met for consideration for admission, 1) minimum score in the Quantitative section is 700, and 2) minimum combined Quantitative and Verbal scores is 1100. More information regarding how to send official GRE scores to the Graduate College can be found at http://graduate.asu.edu/admissions/support/ets_gretofel/what_process_sending_official_test_scores.

(http://graduate.asu.edu/admissions/support/ets_gretofel/what_process_sending_official_test_scores)

Applicants whose native language is not English must demonstrate proficiency in the English language by meeting the Graduate College's English proficiency requirements.

Contact Information:

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ECG 251
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480-965-0595

Construction Management, MS (ESCONSTMS)

Online Degree Search Title: Construction Management (MS)

Campus: ONLNE, TEMPE

Program Description: The faculty in the Del E. Webb School of Construction offer a graduate program leading to the M.S. in construction management. The interdisciplinary nature of the program allows a candidate's program of study to reflect individual interests and career goals. The primary objective of the program is to allow students with a bachelor's in construction or a related field such as architecture, business, or engineering to broaden and improve their professional capabilities in construction. The program is designed to meet the growing need for professionals with advanced technical, management and applied research skills in the construction industry.

The facilities management specialty area supports the needs of the student desiring a career in the maintenance, operation, renovation or decommissioning of existing facilities. The construction management specialty area allows students seeking upper-level management positions in various sectors of the construction industry to improve their competency in project, program and company management areas.

Degree Requirements: 30 credit hours and a Thesis, or 30 credit hours and a Written Comprehensive Exam.

If appropriate graduate-level courses are not available in a student's pursued area of interest, the supervisory committee has the option to approve a maximum of six credit hours of 400-level course work to be part of the approved plan of study. Students may not use 400-level deficiency courses to satisfy degree requirements.

Admission Requirements: Applicants must submit a Graduate College online application.

Applicants are expected to satisfy all requirements for admission to both the Graduate College and the program. In addition, applicants are expected to be competent in basic construction topics. Admission is based on:

- Applicants whose native language is not English must demonstrate proficiency in the English language by meeting the Graduate College's English proficiency requirements. Applicants required to demonstrate English proficiency and seeking a teaching assistantship must demonstrate proficiency in spoken English; a score of 55 or better on the Speaking Proficiency English Assessment Kit (SPEAK) or a score of 26 on the speaking portion of the TOEFL is required.
- A current resume.
- An evaluation of the student's academic and professional background.
- Scores from the verbal, quantitative, and analytical writing portions of the GRE. Applicants must have their official GRE scores sent directly to the Graduate College. More information regarding how to send official GRE scores can be found on the Graduate College website.
- A personal statement.
- Three letters of recommendation.

Contact Information:

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Construction Management, PHD (ESCONPHD)

Online Degree Search Title: Construction Management (PHD)

Campus: TEMPE

Program Description: The faculty in the Del E. Webb School of Construction offer a graduate program leading to the Doctor of Philosophy (Ph.D.) degree in construction management. The purpose of the construction management Ph.D. program is to prepare research scholars, new faculty and professionals for positions in industry, universities and government, as well as facilitate a higher level of investigation and knowledge creation through the professor-Ph.D. student dynamic.

The Del E. Webb School of Construction is distinctively positioned to provide students with an interdisciplinary educational and research experience at the Ph.D. level, which will provide value in construction education, research and industry programs, private construction research facilities, and high-level management positions in the construction industry.

The objectives of the degree program include research experience for doctoral students who might wish to pursue careers in either industry or academia as members of interdisciplinary research teams, as well as providing a high-level interdisciplinary doctoral education for those who wish to develop academic careers teaching at the university level.

Degree Requirements: 84 credit hours, a Written Comprehensive Exam, an Oral Comprehensive Exam, a Prospectus and a Dissertation.

The Ph.D. in construction will typically require three to four years of full-time study and research beyond the master's degree. Generally, students will be admitted into the Ph.D. degree program at or near the completion of their master's degree.

The program requires 84 credit hours post-bachelor's degree or 54 credit hours post-master's degree.

The program consists of:

- Admission to candidacy.
- Core construction courses.
- Elective courses.
- A qualifying examination.
- Successful defense of a dissertation prospectus and complete dissertation.
- A written and oral comprehensive examination.

Admission Requirements: Students who hold a master's degree in a related field from a regionally accredited university or equivalent are eligible to apply for admission to the program. The program does not accept applications from students without a master's degree. Related fields include construction, civil engineering, architecture and business. At the discretion of the admission committee, students from other disciplines may be eligible as well.

Applicants must submit a Graduate College online application.

Applicants are expected to satisfy all requirements for admission to both the Graduate College and the program. In addition, applicants are expected to be competent in construction topics. Admission is based upon:

- Applicants must take the GRE and have their official scores sent directly to the Graduate College. More information regarding how to send official GRE scores can be found on the Graduate College website.
- Applicants whose native language is not English must demonstrate proficiency in the English language by meeting the Graduate College's English proficiency requirements. Applicants required to demonstrate English proficiency and seeking a teaching assistantship must demonstrate proficiency in spoken English; a score of 55 or better on the Speaking Proficiency English Assessment Kit (SPEAK) or a score of 26 on the speaking portion of the TOEFL is required.
- A current resume.
- An evaluation of the student's academic and professional background.
- Masters' thesis abstract.
- A personal statement from each applicant describing their career goals and research objectives
- Research interests.
- Three letters of recommendation.

Contact Information:

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Electrical Engineering, MS (ESEEMS)

Online Degree Search Title: Electrical Engineering (MS)

Campus: TEMPE

Program Description: This program does not accept applications to the M.S. directly. Students should apply to the M.S.E. program, and once admitted, consult with the M.S.E. program advisors if interested in the M.S. program.

The electrical engineering faculty in the Ira A. Fulton Schools of Engineering offer a research program leading to the M.S. in electrical engineering. Graduate courses and programs are offered in the following six areas of specialization:

- Control systems.
- Electromagnetics, antennas and microwave circuits.
- Electronic and mixed-signal circuit design.
- Electric power and energy systems.
- Signal processing and communications systems.
- Solid-state electronics.

Degree Requirements: 30 credit hours and a Thesis, or 30 credit hours, a Written Comprehensive Exam and an Oral Comprehensive Exam (MIP). The credits earned towards this research degree must include a minimum of eight courses (24 hours minimum) and six hours of EEE 599 (thesis). As part of the eight courses, at least two should be outside the area of specialization. Requirements include:

- A final oral examination in defense of the thesis completes the M.S. requirements.
- At least four EEE courses.
- At least three EEE 500-level courses.
- At least two courses outside the area of specialization.
- At most two 400-level courses.
- At most one EEE 590 Reading and Conference or FSE course.

Courses are available on campus and online. The degree can be completed by taking classes entirely on campus or entirely online.

Admission Requirements: Applicants must submit an online Graduate College application. Applicants whose native language is not English must provide proof of English proficiency.

Students desiring the M.S. in electrical engineering must initially apply to the M.S.E. program. Students who later obtain a research advisor may transfer to the M.S. program.

Contact Information:

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<http://engineering.asu.edu/ecee>
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Electrical Engineering, MSE (ESEEMSE)

Online Degree Search Title: Electrical Engineering (MSE)

Campus: ONLNE, TEMPE

Program Description: The electrical engineering faculty in the Ira A. Fulton Schools of Engineering offer a professional program leading to the M.S.E. in electrical engineering. Graduate courses and programs are offered in the following six areas of specialization:

- Control systems (not an option for the online degree but available to on-campus students).
- Electromagnetics, antennas and microwave circuits.
- Electronic and mixed-signal circuit design.
- Electric power and energy systems.
- Signal processing and communications systems.
- Solid-state electronics.

Courses are available on campus and online. The degree can be completed taking all classes on-campus or all classes online.

A dual degree, the M.B.A./M.S.E. in electrical engineering is available as an online option. For more information, visit <http://wpcarey.asu.edu/mba/online/academics/mba-mse-ee.cfm> (<http://wpcarey.asu.edu/mba/online/academics/mba-mse-ee.cfm>).

Degree Requirements: 30 credit hours and a Written Comprehensive Exam.

The M.S.E. is a professional degree requiring a minimum 30 hours of course work (a minimum of 10 classes) and a final comprehensive examination. There is no thesis.

Requirements include:

- At least five EEE courses.
- At least three EEE 500-level courses.

- At least two courses outside the area of specialization.
- At most one EEE 590 Reading and Conference or FSE course.
- At most two 400-level courses.

A final comprehensive examination in the area of specialization completes the M.S.E. requirements. The examination is given each semester at the end of the sixth week of classes.

Admission Requirements: Applicants must submit an online Graduate College application.

The decision to admit a student who has earned a bachelor's degree from a program accredited by ABET to a master's program in electrical engineering is based on a number of factors. A minimum requirement is an undergraduate GPA of 3.00 (out of 4.00) in the student's last two years of undergraduate work. A student whose undergraduate degree is not from an ABET-accredited program must have the equivalent of at least a 3.50 GPA in the last two years of undergraduate study and score at least 720 on the quantitative portion of the GRE and a good score on the writing portion.

Students interested in applying to this program must submit an online application to the Graduate College. In addition, an applicant whose native language is not English must demonstrate proficiency in the English language by meeting the English proficiency requirements stated on the Graduate College's website. International students seeking teaching assistantships must demonstrate proficiency in spoken English by scoring at least 26 on the speaking portion of the iBT or 50 on the ASU administered Speaking Proficiency English Assessment Kit (SPEAK).

The admissions deadline for the fall semester is the preceding Dec. 31; for the spring semester, the preceding July 31.

A student whose undergraduate degree is not in electrical engineering may need to take appropriate undergraduate courses to establish a baseline of knowledge in the discipline.

Contact Information:

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Electrical Engineering, PHD (ESEEPHD)

Online Degree Search Title: Electrical Engineering (PhD)

Campus: TEMPE

Program Description: The Ph.D. in electrical engineering is awarded upon evidence of excellence in research leading to a scholarly dissertation that is a contribution to knowledge. Graduate courses and programs are offered in the following six areas of specialization:

- Control systems.
- Electromagnetics, antennas and microwave circuits.
- Electronic and mixed-signal circuit design.
- Electric power and energy systems.
- Signal processing and communications systems.
- Solid-state electronics.

Degree Requirements: 84 credit hours, a Written Comprehensive Exam, an Oral Comprehensive Exam, a Prospectus and a Dissertation.

Ph.D. students are required to complete 84 credit hours of academic credit beyond the bachelor's degree. The following summarizes the degree course requirements:

- Master's degree: 30 hours, from any accredited institution.
- 500-level or above: 18 hours, at least nine hours of EEE courses.
- Research class or omnibus course hours: 12 hours, can be 400-level and above.
- Research: 12 hours (EEE 792).
- Dissertation: 12 hours (EEE 799).

The 84 hours include 30 credit hours for the master's degree, a required 18 credit hours of Ph.D. class work, 12 hours of research (EEE 792), and 12 hours (and only 12 hours) of dissertation (EEE 799).

The additional 12 hours (item #3 above) can be more hours of research (EEE 792) or can be class work as determined by the supervisory committee. At least half (nine hours) of the minimum requirement of 18 credit hours of Ph.D. course work must be in electrical engineering. EEE 790 Reading and Conference can be used for no more than three credit hours toward the required 18, but does not count towards the nine hours of 500-level EEE classes required.

All courses counting toward the required 18 hour minimum must be at the 500-level or higher. Note all courses having the prefix EEE 591 count as 400-level courses. No more than one three-hour reading and conference (EEE 790) course can be taken as part of the 18 hour requirement. The content of any proposed Reading and Conference course must be reviewed and approved by the electrical engineering director of graduate studies before registering for the course.

A qualifying examination, a comprehensive exam, and the dissertation defense are required. Additional information on the program can be found in the Blue Student Guide published and available on the program's webpage.

Admission Requirements: Applicants must submit an online Graduate College application.

In general, a student must have a least a 3.00 GPA (out of 4.00) in all undergraduate course work and at least a 3.50 GPA in all graduate course work for admission to the Ph.D. program. A student must usually hold a master's degree before being admitted to the Ph.D. program. Direct Ph.D. admission is available for students graduating from an ABET-accredited electrical engineering program with a GPA of 3.60 or higher. A student whose master's degree is not from a U.S. institution must provide a score of at least 720 on the quantitative portion of the GRE. A good score on the writing portion is considered desirable.

Students interested in applying to this program must submit an online application to the Graduate College. In addition, an applicant whose native language is not English must demonstrate proficiency in the English language by meeting the English proficiency requirements stated on the Graduate College's website. International students seeking teaching assistantships must demonstrate proficiency in spoken English by scoring at least 26 on the speaking portion of the iBT or 50 on the ASU administered Speaking Proficiency English Assessment Kit (SPEAK).

The admissions deadline for the fall semester is the preceding Dec. 31; for the spring semester, the preceding July 31.

A student whose undergraduate degree is not in electrical engineering may need to take appropriate undergraduate courses to establish a baseline of knowledge in the discipline.

Contact Information:

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Electrical Engineering (Arts, Media and Engineering), MS (ESAMEMS)

Online Degree Search Title: Electrical Engineering (Art, Media and Eng) (MS)

Campus: TEMPE

Program Description: A concentration in arts, media and engineering has been established as a collaboration between the electrical engineering program at ASU and the Herberger Institute for Design and the Arts. This concentration is available both for the M.S. and the Ph.D. students admitted to this program, who take two-thirds of their course, research and thesis credits from the electrical engineering and one-third of the credits from the arts, media and engineering program.

The arts, media and engineering (AME) program represents an ambitious interdisciplinary research community at ASU that is focused on the parallel development of media hardware, software, content and theory. AME research addresses the discontinuity that exists between media content and media technologies through a paradigm shift in media and arts training. The objective is to produce a new kind of hybrid graduate student who draws creativity from the arts and methodology from engineering sciences. AME trains students to integrate principles of digital signal processing and multimedia computing with artistic ideas and objectives, with the goal of enabling new paradigms of human-machine experience that directly address societal needs and facilitate knowledge. For more information, see <http://ame.asu.edu> (<http://ame.asu.edu>).

Degree Requirements: 30 credit hours and a Thesis.

Eight courses are required, typically five from EEE and three from AME. In addition, six hours of thesis are required, typically four credits from EEE and two from AME.

Admission Requirements: Students interested in applying to this program must submit the Graduate College online application. Students from ABET-accredited undergraduate programs who wish to be considered for a master's program must have a minimum GPA of 3.00 (on a four-point scale) in the last two years of undergraduate course work. Students from undergraduate programs who are not accredited by ABET must have a minimum GPA of 3.50 (on a four-point scale) in the last two years of undergraduate course work or have graduated first class with distinction and must score in the 90th percentile or higher on the quantitative section of the GRE general test.

In addition, an applicant whose native language is not English must demonstrate proficiency in the English language by meeting the English proficiency requirements stated on the Graduate College's Web site. International students seeking teaching assistantships must demonstrate proficiency in spoken English by scoring at least 26 on the speaking portion of the iBT or 50 on the ASU administered Speaking Proficiency English Assessment Kit (SPEAK).

Applicants should submit materials that reflect the hybrid nature of the arts/engineering degree, including a statement of purpose and curriculum vitae demonstrating interest and relevant experience in the area. Students will have the opportunity to upload their curriculum vitae and statement of purpose when completing the online application. Additionally, AME requires three letters of recommendation from individuals familiar with the applicant's ability to succeed in an interdisciplinary research environment.

Contact Information:

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<http://engineering.asu.edu/ecee>
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askee@asu.edu

Electrical Engineering (Arts, Media and Engineering), PHD (ESAMEPHD)

Online Degree Search Title: Electrical Engineering (Art, Media and Eng) (PhD)

Campus: TEMPE

Program Description: A concentration in arts, media and engineering has been established as a collaboration between the electrical engineering program at ASU and the Herberger Institute for Design and the Arts. This concentration is available both for the M.S. and the Ph.D. students admitted to this program, who take two-thirds of their course, research and thesis credits from electrical engineering and one-third of the credits from the arts, media and engineering program.

The arts, media and engineering (AME) program represents an ambitious interdisciplinary research community at ASU that is focused on the parallel development of media hardware, software, content and theory. AME research addresses the discontinuity that exists between media content and media technologies through a paradigm shift in media and arts training. The objective is to produce a new kind of hybrid graduate student who draws creativity from the arts and methodology from engineering sciences.

AME trains students to integrate principles of digital signal processing and multimedia computing with artistic ideas and objectives, with the goal of enabling new paradigms of human-machine experience that directly address societal needs and facilitate knowledge. For more information, see <http://ame.asu.edu> (<http://ame.asu.edu>).

Degree Requirements: 84 credit hours, a Written Comprehensive Exam, an Oral Comprehensive Exam, a Prospectus and a Dissertation.

Program details are as follows:

- A comprehensive examination.
- The dissertation defense.
- A qualifying examination.
- Ten courses are required, typically seven from EEE and three from AME.
- Twelve hours of dissertation are required, typically eight credits from EEE and four from AME.
- Twelve hours of research are required, typically eight credits from EEE and four from AME.

Admission Requirements: Applicants must submit an online Graduate College application.

Applicants with a master's degree who wish to be considered for the Ph.D. program must have a minimum GPA of 3.50 (on a 4.00 scale) in their master's program. Students interested in applying to this program should submit the Graduate College online application. Applicants without a master's degree must have a minimum GPA of 3.60 (on a 4.00 scale) in the last two years of undergraduate course work and have graduated from an ABET-accredited undergraduate program.

Students interested in applying to this program must submit an online application to the Graduate College. In addition, an applicant whose native language is not English must demonstrate proficiency in the English language by meeting the English proficiency requirements stated on the Graduate College's website. International students seeking teaching assistantships must demonstrate proficiency in spoken English by scoring at least 26 on the speaking portion of the iBT or 50 on the ASU administered Speaking Proficiency English Assessment Kit (SPEAK).

Applicants should submit materials that reflect the hybrid nature of the arts/engineering degree, including a statement of purpose and curriculum vitae demonstrating interest and relevant experience in the area. Students will have the opportunity to upload their curriculum vitae and statement of purpose when completing the online application. Additionally, AME requires three letters of recommendation from individuals familiar with the applicant's ability to succeed in an interdisciplinary research environment.

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Engineering, MEng (ESENGRMENG)

Online Degree Search Title: Master of Engineering (MEng)

Campus: ONLNE, TEMPE

Program Description: When pursuing a Master of Engineering (M.Eng.), students can customize their learning experience by selecting a curriculum that addresses their academic and professional goals. The M.Eng. is designed for working professionals and delivered entirely online to meet the unique needs of professional engineers. It is a practice-oriented degree.

In the M.Eng. program, multiple emphasis areas are available with additional areas under development. Within each area, there are specific course requirements in addition to the general program requirements. Students can select one of several areas of study available, such as:

- Embedded systems.
- Modeling and simulation.

- Quality, reliability and statistical engineering.
- Systems engineering.

Engineers who enter the M.Eng. program have the opportunity to gain valuable experience applicable to their industry while gaining an advanced degree. Convenience and flexibility are key advantages of this program. The M.Eng., which can be earned entirely through distance learning, is a 30-credit-hour degree program that does not require GRE results, a thesis or on-campus attendance.

The M.Eng. is only available through distance learning. The degree program is supported through online courses available from the Ira A. Fulton Schools of Engineering.

Degree Requirements: 30 credit hours and a Written Comprehensive Exam, or 30 credit hours and an Oral Comprehensive Exam, or 30 credit hours including the required course (CSE 593 or IEE 585 or IEE 593) and an Applied Project.

- Students must complete a total of 30 credit hours equaling 10 courses to earn a M.Eng. One half of all course work, excluding the practice-oriented project, must be in engineering.
- Students must complete three credit hours of applied engineering mathematics and three credit hours of engineering management/business.
- A culminating event is required and will be identified by the student's advisory committee. It could be a final written or oral examination or the final report for a practice-oriented project. Additional requirements may exist for some academic units and emphasis areas of the M.Eng. program.

Admission Requirements:

- The Graduate College online application.
- Official transcripts from all institutions.
- Bachelor's degree required with a background for the desired field of study.
- A minimum GPA of 3.00 (on a 4.00 scale) for the last 60 credit hours of the undergraduate transcript.
- Graduates of non-U.S. institutions must satisfy admission requirements established by the ASU Graduate College.
- Applicants whose native language is not English must provide evidence of English proficiency according to the guidelines defined by the ASU Graduate College.

GRE scores are not required.

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Engineering Science (Enterprise Systems Innovation and Management), MSE (ESIEEMSE)

Online Degree Search Title: Engineering Science (Enterprise Sys Innov and Mgmt) (MSE)

Campus: ONLNE, TEMPE

Program Description: The Ira A. Fulton Schools of Engineering offer a Masters of Science in Engineering (M.S.E.) in engineering science with an enterprise systems innovation and management concentration, providing enterprise and technology managers a wide range of analytical and strategic methods in enterprise systems, innovation and management. The core focus of the program includes enterprise product/service (offering) innovation, process and strategy innovation within the enterprise, in addition to enterprise management, asset, design and business model innovation.

The enterprise systems innovation and management concentration allows professionals the opportunity to enhance their leadership abilities and analytical thinking and bring value to their organization and professional advancement. In today's global environment, business execution is becoming increasingly competitive. Managing resources, products, and customers across the globe magnifies organizational challenges and requires more sophisticated systems, tactical thinking and advanced methods of measuring, analyzing and controlling performance. Managers must understand the underlying issues across the enterprise to impact and create business value.

The M.S.E. in engineering science with a concentration in enterprise systems innovation and management is only available through distance learning. The degree program is supported through online courses available from the Ira A. Fulton Schools of Engineering.

Degree Requirements: 30 credit hours including the required course (IEE 593) and an Applied Project.

- Students must complete a total of 30 credit hours, equaling 10 courses, to earn an M.S.E.
- Students must complete a three-credit-hour applied project (IEE 593), three credits of applied engineering mathematics and three credits of engineering management/business.
- Students must complete the required culminating experience course (IEE 593) and an Applied Project.
- Additional requirements may exist for some academic units.

Admission Requirements: Applicants must submit:

- The Graduate College online application.
- Official transcripts from all institutions.
- A minimum grade point average of 3.00, on a 4.00 scale, for the last 60 credit hours of the undergraduate transcript.
- The schools attended and major of study completed are also significant factors in admission; an example of undergraduate degrees of applicants might include, but not be limited to, a B.S. in business, B.S. in mathematics or B.S. in engineering.
- Completion of a basic statistics course and calculus course is required for admission; a prerequisite course in industrial statistics and tools might be required for some students not meeting this requirement.
- Applicants whose native language is not English must provide evidence of English proficiency according to the guidelines defined by the ASU Graduate College.

GRE scores are not required.

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Engineering Science (Software Engineering), MSE (ESSFEMSE)

Online Degree Search Title: Engineering Science (Software Engineering) (MSE)

Campus: ONLNE, TEMPE

Program Description: The M.S.E. in engineering science with a software engineering concentration offers specialized courses founded on the fundamentals and principles of software engineering. The program provides the knowledge and skills needed to work as a software engineer or software task leader on large and small projects using either agile methodologies or formal Capability Maturity Model Integration (CMMI) approaches. The program addresses major software development methodologies, techniques, tools and processes for developing and managing software projects. The curriculum is based on the Software Engineering Body of Knowledge (SWEBOK) under the leadership of the IEEE Computer Society. Each course will place an emphasis on applied assignments and projects that are relative to the student's workplace. The program is only available through distance learning, supported through online courses available from the Ira A. Fulton Schools of Engineering.

Degree Requirements: 30 credit hours and a Portfolio, or 30 credit hours including the required course (CSE 593) and an Applied Project.

- Students must complete 30 credit hours equaling 10 courses to earn an M.S.E.
- Students must complete a culminating experience (applied project or portfolio), three credits of applied engineering mathematics and three credits of engineering management/business.
- A culminating event is required and will be identified by the student's advisory committee. It could be a project portfolio or the final report for an applied project.
- Additional requirements may exist for some academic units.

Admission Requirements: Applicants must submit:

- The Graduate College online application.
- Official transcripts from all institutions to be evaluated.
- Applicants must have earned a B.S. in computer engineering, software engineering or a related field.
- A minimum grade point average of 3.00 (on a 4.00 scale) in the last 60 credit hours of the undergraduate transcript (or for the last 12 units of the post-baccalaureate transcript).
- GRE scores are not required.
- Graduates of non-U.S. institutions must satisfy admission requirements established by the ASU Graduate College.
- Applicants whose native language is not English must provide evidence of English proficiency according to the guidelines defined by the ASU Graduate College.

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Industrial Engineering, MS (ESINDENMS)

Online Degree Search Title: Industrial Engineering (MS)

Campus: ONLNE, TEMPE

Program Description: The M.S. in industrial engineering degree program offers a thesis track and a non-thesis track. At the time of the admission, students' applications are considered primarily for the non-thesis track. After matriculating at Arizona State University, a student may consult and receive approval from the industrial engineering faculty to pursue the thesis track. Final consideration and approval may be given to students who have obtained an ASU graduate grade point average of 3.20 or greater.

Industrial engineering combines knowledge from the physical, mathematical and social sciences to design systems that integrate people, equipment and information in the most efficient way. Improvements made by industrial engineers in automation, information control and process quality revolutionized manufacturing in the past century and greatly increased quality of life. Trends towards globalization, increased complexity and rapid technological innovation create an even greater need for industrial engineering in the 21st century.

Successful industrial engineering concepts are also spreading to the financial, logistics, and health care services industries, affording new areas of opportunity.

Faculty members in the industrial engineering program are internationally recognized for their innovative research projects, funded both by government and industry. The industrial engineering program at ASU is consistently ranked among the top 20 in the nation for graduate programs in the United States.

Degree Requirements: 30 credit hours and a Thesis, or 30 credit hours and a Written Comprehensive Exam, or 30 credit hours and a Written Comprehensive Exam (MIP).

The master's in industrial engineering is a 30-credit-hour program which has a thesis and a non-thesis track. The thesis track requires 24 credit hours of course work, six credit hours of thesis, a written thesis and a final oral examination. The non-thesis track requires 30 hours of course work and a comprehensive exam. All students are required to take the following course work:

- IEE 505 Information Systems Engineering (3) or IEE 598 Design of Computational Systems (3).
- IEE 545 Simulating Stochastic Systems (3).
- IEE 572 Design of Engineering Experiments (3) or IEE 578 Regression Analysis (3).
- IEE 574 Applied Deterministic Operations Research Models (3) or IEE 575 Applied Stochastic Operations Research Models (3).
- Three to four area courses.
- Zero to two elective courses.
- IEE 599 Thesis (6) (thesis track only).

Students must successfully defend the thesis or pass the comprehensive examination to graduate.

Admission Requirements: Students must submit an online application to the Graduate College. Required supplementary application materials include:

- A statement of purpose.
- GRE scores.
- Three letters of recommendation.
- Official transcripts from all institutions attended.

International students must meet the University's English Proficiency requirement prior to having the application processed. Please see http://graduate.asu.edu/admissions/international/english_proficiency (http://graduate.asu.edu/admissions/international/english_proficiency).

At the time of application, all applicants must have successfully completed a minimum of 9 credit hours of calculus (Calculus I, II, III) with a grade of "C" (2.00) or higher.

A student with any deficiency course work must complete each deficiency with a grade of "B" (3.00) or better within two semesters of admission to the program. Deficiency courses include:

- CSE 110 Principles of Programming with Java (3).
- CSE 205 Concepts of Computer Science and Data Structures (3).
- IEE 376 Operations Research Deterministic Techniques/Applications (3).
- IEE 380 Probability and Statistics for Engineering Problem Solving (3).
- IEE 470 Stochastic Operations Research (3).
- MAT 242 Linear Algebra (2)

For full consideration, the application deadline is Dec. 15 for fall semester and Sep. 15 for spring semester.

Contact Information:

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Industrial, Systems & Operations Engineering Prgm
<http://engineering.asu.edu/graduate>
BYENG 208

Industrial Engineering, PHD (ESINDENPHD)

Online Degree Search Title: Industrial Engineering (PhD)

Campus: TEMPE

Program Description: The Ph.D. in industrial engineering program engages students in fundamental and applied research in industrial engineering as preparation for careers in academia, government, and industry. The overall educational objective of graduate study in industrial engineering is to improve each student's ability to identify, define and solve problems and perform original research to address the underlying causes of these problems. Industrial engineers develop qualitative and quantitative abilities to guide the design and operation of sustainable organizations and systems.

Faculty members in the industrial engineering program are internationally recognized for their innovative research projects, funded both by government and industry. The industrial engineering program at ASU is consistently ranked among the top 20 graduate programs in the United States.

Degree Requirements: 85 credit hours, a Written Comprehensive Exam, an Oral Comprehensive Exam, a Prospectus and a Dissertation. Students are required to complete five core courses within the first year of full-time enrollment in the doctoral program:

IEE 620 Optimization I (3)
IEE 598 Optimization II (3)
IEE 598 Stochastic Processes (3)
IEE 670 Mathematical Statistics (3)
IEE 598 Foundations of Information Systems Engineering (3)

After completion of the core courses, each student must successfully take a qualifying exam in four of the five core courses to be allowed to continue in the program. As part of the program, students will also complete the following required courses:

IEE 594 Conference and Workshop (1)
IEE 700 Research Methods (1)
IEE 784 Teaching Internship (1)
IEE 790 Reading and Conference (1) or IEE 584 Internship (1), or an additional IEE 594 Conference and Workshop (1)
IEE 792 Research (12)
IEE 799 Thesis (12)

Students must also complete 42 credit hours of approved course work beyond the core and required courses.

Eligible students can request a master's in passing after successfully completing the qualifying exam and completing 30 credit hours in the doctoral program.

A written and an oral comprehensive examination are required no later than the semester following completion of 57 credit hours of course work in the plan of study. The student must also successfully defend the dissertation prospectus and the dissertation research.

Admission Requirements: Students will submit an online application to the Graduate College. Required supplementary application materials include:

- A statement of purpose.
- GRE scores.
- Three letters of recommendation.
- Official transcripts from all institutions attended.

International students must meet the university's English proficiency requirement prior to having the application processed. Please see http://graduate.asu.edu/admissions/international/english_proficiency (http://graduate.asu.edu/admissions/international/english_proficiency).

At the time of application, all applicants must have successfully completed a minimum of nine credit hours of calculus (Calculus I, II, III) with a grade of "C" (2.00) or higher.

A student with any deficiency course work must complete each deficiency with a grade of "B" (3.00) or better within two semesters of admission to the program. Deficiency courses include:

CSE 110 Principles of Programming with Java (3)
CSE 205 Concepts of Computer Science and Data Structures (3)
IEE 376 Operations Research Deterministic Techniques/Applications (3)
IEE 380 Probability and Statistics for Engineering Problem Solving (3)
IEE 470 Stochastic Operations Research (3)
MAT 242 Linear Algebra (2)

For full consideration, the application deadline is Dec. 15 for fall semester and Sep. 15 for spring semester.

Contact Information:

Engineering, Ira A. Fulton Schools of
Industrial, Systems & Operations Engineering Prgm
<http://engineering.asu.edu/cidse>
BYENG 208
cidse.advising@asu.edu
480-965-3199

Materials Science and Engineering, MS (ESMATEMS)

Online Degree Search Title: Materials Science and Engineering (MS)

Campus: ONLNE, TEMPE

Program Description: The faculty in the materials science and engineering program offer a M.S. in materials science and engineering. This degree has two track options: 1) a thesis option, and 2) a non-thesis option. The non-thesis option has an applied project. The thesis and applied projection options require a faculty advisor. All admitted students are assumed to be in a non-thesis comprehensive exam option until a faculty advisor has been secured. This graduate program prepares students for professional careers in materials science and engineering and related fields in industry, government and educational institutions.

Degree Requirements: 32 credit hours and a Thesis, or 32 credit hours and a Thesis (MIP), or 32 credit hours and an Applied Project (MIP), or 32 credit hours including the required course (MSE 593) and an Applied Project.

Core Courses (6 credits)

Students must take six hours of core courses selected from the list below. Note that the last choice requires both MSE 526 and 527 but only the MSE 526 may be counted as a technical elective. This selection is most appropriate for students who have some background in modern physics.

MSE 523 Structural and Mechanical Properties of Materials (3)

MSE 524 Advanced Thermodynamics (3)

MSE 561 Phase Transformations, Kinetics, and Diffusion in Solids (3)

MSE 525 Physics of Materials (3)

MSE 526/527 Materials Physics I and II (6)

Technical Electives (18 credits)

Students must take 18 hours of technical electives, with the following conditions:

- Either IEE 570 Advanced Quality Control or IEE 572 Design of Experiments is highly recommended.
- Up to six credit hours may be at the 400 or higher level.
- Up to nine credit hours may be taken from disciplines outside materials, with advisor's approval.
- Up to three credit hours of MSE 590 Reading and Conference may be taken in place of a three credit hour elective, with advisor's approval.

Seminar

Students must take a total of two hours (across two semesters) of MSE 591 Seminar.

Thesis

Students must take six hours of thesis (MSE 599), complete a thesis and pass the thesis defense examination.

Applied Project

Students are required to take three hours, but may take up to six hours, of applied project (MSE 593), complete an applied project and pass the applied project presentation as the final culminating experience.

Admission Requirements: Admission Requirements

Admission to the materials science and engineering graduate programs is highly competitive. The application deadline for the fall semester is Jan. 15; spring semester is Sep. 1. Complete applications to the M.S. program are comprised of:

- Online Graduate College application.
- Application fee.
- Official GRE score.
- Official Test of English as a Foreign Language (TOEFL) score for international students, with a minimum score of 100 on the iBT format.
- Official transcripts.
- Personal statement.
- Resume or curriculum vitae.
- Three letters of recommendation.

Financial aid in the form of teaching and research assistantships are generally not available to master's students. However, students are encouraged to seek fellowships or scholarships for which they may be eligible. Students may also contact the ASU Student Financial Assistance Office for information on grants and loans.

Attend Online: ASU offers this program in a fully online format-no face-to-face sessions required. We offer six enrollment sessions throughout the year, and you learn in accelerated, 7.5-week classes. View the program description and request more information here. (<http://asuonline.asu.edu/degree-programs/graduate/master-science-materials-science-and-engineering>)

Contact Information:

Engineering, Ira A. Fulton Schools of
Materials Program
<http://engineer.asu.edu/programs/esmatems>
ECG G337
semtegrad@asu.edu
480-965-4979

Materials Science and Engineering, PHD (ESENMATPHD)

Online Degree Search Title: Materials Science and Engineering (PhD)

Campus: TEMPE

Program Description: The faculty in the materials science and engineering program offer a Ph.D. in materials science and engineering at Arizona State University. This graduate program prepares students for professional careers in materials science and engineering and related fields in industry, government and educational institutions.

Degree Requirements: 84 credit hours, a Written Comprehensive Exam, an Oral Comprehensive Exam, a Prospectus and a Dissertation.

Credit Requirements

The Ph.D. in materials science and engineering consists of 84 hours of graduate work. A total of 10 lecture courses (30 credit hours) plus three hours of seminar are required. Students entering the program with a master's degree in materials science may apply up to 30 hours toward the Ph.D. plan of study, but must take five lecture courses at ASU. If the M.S. has not been completed, a maximum of 12 hours of graduate work may be applied with program approval.

Required Courses

The Ph.D. materials science and engineering program core requirements include 12 hours of graduate-level materials science and engineering courses. The following four courses (comprising these 12 hours) are required for all students:

Core Courses (12 hours)

- MSE 523 Structure and Mechanical Properties (3)
- MSE 524 Advanced Thermodynamics (3)
- MSE 525 Physics of Materials or MSE 526/MSE 527 Materials Physics I and II (3)
- MSE 561 Kinetics and Phase Transformations in Solids (3)

Electives (3-18 credit hours)

Students entering the Ph.D. program with a master's degree need to complete a minimum of 3 hours of elective coursework. Students entering with a bachelor's degree are required to complete a minimum of 18 hours of elective course work. Graduate elective courses may be selected from any of the graduate courses in the materials science and engineering curriculum as well as elective courses from related disciplines (e.g., chemistry, physics, electrical engineering), subject to approval by the faculty advisor. These courses should comprise a focused plan of study with emphasis in a particular area of materials science, organized in consultation with faculty supervisory committee.

Research (24-39 credit hours)

Students entering the Ph.D. program with a master's degree need to complete 24 hours of research (MSE 792). Students entering with a bachelor's degree are required to complete 39 hours of research (MSE 792).

Dissertation (12 credit hours)

All Ph.D. students are required to complete 12 hours of dissertation (MSE 799). Note that 12 hours (and only 12) of dissertation credit (MSE 799) are required on the plan of study.

Seminar (3 credit hours)

The MSE 591 seminar is a one credit hour course. Students must take three credit hours (across three semesters) of seminar. The seminar course consists of a series of seminars presented by invited speakers and graduate students. Doctoral students are required to give a seminar presentation once during the academic year after they have begun their research.

Admission Requirements: Applicants to the Ph.D. program are required to submit the following:

- Graduate College online admissions application.
- Application fee.
- GRE score.
- Official transcripts.
- Personal statement.
- Resume or curriculum vitae.
- Test of English as a Foreign Language (TOEFL) score for international students.
- Three letters of recommendation.

Once the application file is complete, the file is forwarded to the faculty admissions committee for evaluation and recommendation. Financial aid is

available to highly qualified students. The most common type of financial aid is teaching and research assistantships, which are accompanied by waivers of tuition and major medical insurance benefit. Other types of financial aid include Ira A. Fulton Schools of Engineering fellowships and Science Foundation Arizona fellowships.

Applications are due Jan. 15 for fall admission and Sep. 1 for spring admission.

Contact Information:

Engineering, Ira A. Fulton Schools of

Materials Program

<http://engineer.asu.edu/programs/esenmatphd>

ECG G337

semtegrad@asu.edu

480-965-4979

Mechanical Engineering, MS (ESMEMS)

Online Degree Search Title: Mechanical Engineering (MS)

Campus: TEMPE

Program Description: The mechanical engineering faculty offer a graduate program leading to the M.S. in mechanical engineering. A number of wide and diverse research areas may be pursued. All of the graduate programs stress a sound foundation leading to a specialized area of study. In order to gain admission to the M.S. program, qualified applicants must secure a faculty advisor prior to admission. Qualified applicants who have not secured a faculty advisor prior to admission decisions being made may be offered admission to the MSE program, with the opportunity to move to the M.S. after a thesis chair has been secured. Additional information can be found in the MAE Masters Handbook on the school website.

Degree Requirements: 30 credit hours and a Thesis, or 30 credit hours including the required course (MAE 593) and an Applied Project, or 30 credit hours, a Written Comprehensive Exam and an Oral Comprehensive Exam.

The student is encouraged to select a program committee chair (faculty advisor) as soon as possible but must select a program committee chair prior to completing 15 credit hours. The name of the student's program committee chair must be filed with the graduate programs office via the interactive plan of study (iPOS). A change of program committee chair requires approval of the Graduate Program Chair.

The program committee chair, in consultation with the student, will establish a Master of Science Program Committee (MSPC). The MSPC shall be composed of a minimum of three members from the ASU faculty with at least two being from the mechanical engineering graduate faculty.

Participation of individuals from institutions external to ASU is encouraged but these shall be non-voting members.

As soon as possible, but prior to completing 15 credit hours, the student, in consultation with the program committee chair, must file an iPOS with the university. The MSPC and the Graduate Program Chair must approve changes to the iPOS.

The iPOS must be in accordance with university and program requirements. For students currently enrolled in a master's degree program at another institution and wishing to transfer to ASU, note that a maximum of nine graduate credit hours may be counted toward an M.S. at ASU. A minimum cumulative GPA of 3.00 is required throughout the program. Candidates for the M.S. must complete a minimum of 30 credit hours of course and thesis work distributed as follows:

- At least 12 credit hours of MAE graduate course work (500 level and above). Non-MAE graduate courses may be substituted upon the approval of the MAE Graduate Affairs Committee
- At least six credit hours of graduate mathematics-oriented courses (500 level and above). Students are strongly encouraged to take MAE 501 Linear Algebra in Engineering and MAE 502 Partial Differential Equations in Engineering.
- At least six credit hours of additional graduate courses; these may be either MAE or non-MAE courses, and are not restricted to science, mathematics or engineering. A maximum of three credit hours of MAE 584 Internship may be counted towards this requirement. A combined maximum of six credit hours of MAE 591 Seminar, MAE 594 Graduate Research Conference, or MAE colloquium classes, such as MAE 580 Solar Energy Colloquium, may be counted towards this requirement.
- Six hours of MAE 599 thesis. Students are required to have six hours of thesis credit on the iPOS.

A final defense of the thesis will be administered by the Master of Science Program Committee.

Admission Requirements:

- Students interested in applying to this program must submit an online application to the Graduate College.
- A minimum GPA of 3.00 (on a 4.00 scale) is required for graduates from accredited U.S. institutions. The Graduate College is responsible for international GPA interpretation.
- All applicants are required to take the general GRE.
- Students who do not have English as their primary language are required to achieve a minimum score of 80 on the internet-based Test of English as a Foreign Language (TOEFL).
- Three letters of recommendation are required, using the online recommendation system.
- All applicants are required to submit a statement of academic and career objectives and address the desire to pursue graduate studies at ASU in mechanical engineering.

Contact Information:

Engineering, Ira A. Fulton Schools of

Mechanical and Aerospace Engineering Program
<http://engineer.asu.edu/programs/esmems>
ECG G337
semtegrad@asu.edu
480-965-4979

Mechanical Engineering, MSE (ESMEMSE)

Online Degree Search Title: Mechanical Engineering (MSE)

Campus: TEMPE

Program Description: The mechanical engineering faculty offer a graduate program leading to the M.S.E. in mechanical engineering. The M.S.E. is the non-thesis master's degree in mechanical engineering and requires either a comprehensive exam or an applied project as a culminating event. A number of wide and diverse research areas may be pursued. All of the graduate programs stress a sound foundation leading to a specialized area of study. Additional information can be found in the program guidelines on the school website.

Degree Requirements: 30 credit hours and a Written Comprehensive Exam (MIP), or 30 credit hours and an Oral Comprehensive Exam, or 30 credit hours including the required course (MAE 593) and an Applied Project.

The M.S.E. is the non-thesis master's. The students must pursue one of the following options for their culminating experience: 1) the comprehensive exam (default), or 2) an applied project. Students taking the comprehensive exam, except for Master's-in-Passing (MIP) students, will normally list the graduate program chair as their program committee chair. Students will be allowed to pursue an applied project only if they are able to first secure a faculty advisor, who will then also serve as the program committee chair. The name of the student's program committee chair must be filed with the graduate programs office via the interactive plan of study (iPOS) by the time the student has completed 15 credit hours. A change of program committee chair requires approval of the graduate program chair.

For students pursuing the applied project option, the master's program committee shall consist only of the program committee chair, i.e., only the faculty advisor.

The iPOS must be in accordance with university and program requirements. For students currently enrolled in a master's program at another institution and wishing to transfer to ASU, note that a maximum of nine graduate credit hours may be counted toward an M.S.E. at ASU. A minimum cumulative GPA of 3.00 is required throughout the program. Candidates for the M.S.E. must complete a minimum of 30 credit hours of course work distributed as follows:

- At least 15 credit hours of graduate course work (500 level and above). Non-MAE graduate courses may be substituted upon the approval of the MAE Graduate Affairs Committee.
- At least six credit hours of graduate mathematics-oriented courses (500 level and above). Students are strongly encouraged to take MAE 501 Linear Algebra in Engineering and MAE 502 Partial Differential Equations in Engineering.
- At least six credit hours of additional graduate (500 level and above) courses, which are not restricted to MAE courses or to other technical electives. A maximum of three credit hours of MAE 584 Internship may be counted toward this requirement. A combined maximum of six credit hours of MAE 591 Seminar, MAE 594 Graduate Research Conference, or MAE colloquium classes may be counted toward this requirement.
- A minimum of three hours of MAE 593 Applied Project for applied project students, or a minimum of three hours of additional graduate electives (500 level and above) for comprehensive exam students. These additional three hours of graduate electives are not restricted to MAE courses or to other technical electives.

A final comprehensive examination or applied project presentation will be administered. The purpose of this culminating event is to determine the student's ability to integrate the knowledge gained in his or her course work.

Admission Requirements:

- Applicants must submit an online Graduate College application.
- All applicants are required to submit a statement of academic and career objectives and address the desire to pursue graduate studies at ASU in mechanical engineering.
- All applicants are required to take the general GRE.
- A minimum GPA of 3.00 (on a 4.00 scale) is required for graduates from accredited U.S. institutions. The Graduate College is responsible for international GPA interpretation.
- Students who do not have English as their primary language are required to achieve a minimum score of 80 on the internet-based Test of English as a Foreign Language (TOEFL).
- Three letters of recommendation are required, using the online recommendation system.

Contact Information:

Engineering, Ira A. Fulton Schools of
Mechanical and Aerospace Engineering Program
<http://engineering.asu.edu/semte>
ECG 337
semtegrad@asu.edu
480-965-4979

Mechanical Engineering, PHD (ESMEPHD)

Online Degree Search Title: Mechanical Engineering (PhD)

Campus: TEMPE

Program Description: The graduate program in mechanical engineering accommodates individual interests and encourages independent and innovative study. Students are part of a diverse intellectual community dedicated to advancing the state of the art and practice of mechanical engineering. All graduate programs stress a sound foundation in technical fundamentals, communication and professionalism. Additional information can be found in the MAE Ph.D. Handbook on the school website.

Degree Requirements: 84 credit hours, a Written Comprehensive Exam, an Oral Comprehensive Exam, a Prospectus and a Dissertation.

The Ph.D. is directed toward original research. Students are required to write and defend a dissertation describing an original contribution within the discipline. The student must select a program committee chair (faculty advisor) prior to completing 42 credit hours. A change of program committee chair requires approval of the Graduate Program Chair.

A graduate student pursuing a Ph.D. program of study in mechanical engineering must complete, within the first year of graduate studies at ASU, three 500-level (preferably core) courses in the major research area and one 500-level mathematics course with an average GPA of 3.25 or higher. Specific qualifying course requirements for each major research area are identified in the MAE PhD Handbook.

The program committee chair, in consultation with the student, will establish a program committee, with the purpose to:

- Approve the plan of study (iPOS).
- Provide guidance for the student's research.
- Administer the comprehensive examination.
- Administer the dissertation defense.

The program committee shall consist of at least five ASU faculty with the majority being from the mechanical engineering graduate faculty, with at least one being from outside of this academic discipline. Additional information regarding the composition of the committee can be found in the MAE Ph.D. Handbook.

The student, in consultation with the program committee chair and committee, must file an iPOS prior to completing 42 credit hours. The iPOS must meet general university requirements, including the need for rigorous fundamental knowledge of engineering principles. Ph.D. candidates must complete a minimum of 84 credit hours of course and dissertation work in total for degree requirements. Thirty credit hours of appropriate course work from a previously earned master's degree may be applied toward the total credit hours; at least 54 hours must be taken at ASU after admission to the Ph.D. program. A minimum cumulative GPA of 3.25 is required. Degree requirements are distributed as follows:

- At least 18 credit hours of course work directly related to the research area (major).
- At least nine credit hours of mathematics.
- At least nine credit hours of graduate elective courses outside the major research area; these must be in mathematics, engineering and/or science.
- Twelve credit hours of MAE 799 dissertation.
- MAE 792 research credit hours.

All students pursuing the Ph.D. are required to pass a comprehensive examination.

Admission Requirements:

- Students interested in applying to this program must submit an online Graduate College application.
- All applicants are required to take the general GRE.
- All applicants are required to submit a statement of academic and career objectives and address the desire to pursue graduate studies at ASU in mechanical engineering.
- A minimum GPA of 3.00 (on a 4.00 scale) is required for graduates from accredited U.S. institutions. The Graduate College is responsible for international GPA interpretation.
- Students who do not have English as their primary language are required to achieve a minimum score of 80 on the internet-based Test of English as a Foreign Language (TOEFL).
- Three letters of recommendation are required, using the online recommendation system.

Contact Information:

Engineering, Ira A. Fulton Schools of
Mechanical and Aerospace Engineering Program
<http://engineer.asu.edu/programs/esmephd>
ECG G337
semtegrad@asu.edu
480-965-4979

Mechanical Engineering (Engineering Education), PHD (ESMEEEDPHD)

Online Degree Search Title: Mechanical Engineering (Engineering Education) PhD

Campus: TEMPE

Program Description: Students pursuing the Ph.D. in mechanical engineering are eligible to apply for the engineering education concentration. The engineering education concentration is interdisciplinary and will combine research in engineering with research in education. The doctoral engineering education concentration will prepare students to become scholars, researchers or practitioners in academia. The proposed concentration provides students with an opportunity to explore pedagogy, methodology, curriculum and instruction and apply it to engineering. Students enrolled in the engineering education concentration under the Ph.D. in mechanical engineering will complete 18 credit hours of graduate-level engineering course work with a specific research focus and 15 hours of graduate-level education course work. The program is directed toward original research. Students will be required to write and defend a dissertation that describes an original contribution within the chosen engineering discipline that integrates an education component (i.e., research on engineering pre-university programs, undergraduate engineering curriculum and instruction, etc.). The research results should be suitable for publication in a reputable journal. Students will be required to satisfy all mechanical engineering qualifying and comprehensive requirements and to abide by all policies set forth by the Ira A. Fulton Schools of Engineering.

Degree Requirements: 84 credit hours, a Written Comprehensive Exam, an Oral Comprehensive Exam, a Prospectus and a Dissertation. The Ph.D. in aerospace engineering with an engineering education concentration requires the following:

- Eighteen credit hours will be taken in the major engineering research area.
- Nine credit hours of appropriate mathematics courses.
- Twelve credit hours of dissertation.
- Fifteen credit hours of appropriate education courses in methodology, curriculum and instruction; research hours will be taken as required.
- Thirty credit hours of appropriate course work may be accepted from a previously earned engineering master's degree. Students without a previously earned master's degree will be required to take 30 credit hours of course work and research related to the student's dissertation.

Admission Requirements: All applicants are required to submit an online Graduate College application, meet all Graduate College admission criteria, and take the general GRE; a subject-specific GRE is not required. Other requirements are as follows:

- A minimum GPA of 3.00 (on a 4.00 scale) for graduates of accredited U.S. institutions. ASU's Graduate College is responsible for international GPA interpretation.
- Students whose native language is not English are required to achieve minimum English proficiency requirements as specified by the Graduate College.
- Three letters of recommendation, using the format specified by the unit.
- A statement of academic and career objectives addressing the desire to pursue an engineering education concentration in Ph.D. in mechanical engineering (statement of purpose).

Contact Information:

Engineering, Ira A. Fulton Schools of
Mechanical and Aerospace Engineering Program
<http://engineer.asu.edu/graduate>
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Natural Science (Middle School Science, Technology, Engineering and Mathematics), MNS (GCSTMMNS)

Online Degree Search Title: Middle School Sci, Tech, Engr, and Math (MNS)

Campus: TEMPE

Program Description: The middle school science, technology, engineering and mathematics concentration under the Master of Natural Science degree program is a focused course of study for K-8 certified teachers, providing them with integrated content in STEM subject matter that enables them to be considered highly qualified by the No Child Left Behind Act. In addition, the concentration utilizes sustainability research and integrates STEM content around sustainability. Its target audience is middle school teachers as opposed to secondary certified teachers or secondary mathematics teachers and applied mathematicians. Although most program applicants will hold a valid teaching certificate, it is not required that they do so for admission. The program would also be appropriate for informal mathematics and science educators such as education outreach coordinators for industry and museums.

Degree Requirements: 30 credit hours including the required course (PHS 593 or STM 593) and an Applied Project.

The distribution of courses for this concentration are:

Required core course (3):

STM 501 Introduction to Modeling in STEM

Required concentration courses (21):

STM 502 Cognition and Instruction in STEM
STM 503 Mathematical Modeling
STM 504 Modeling Integrated Science
STM 505 Engineering Design
STM 511 Classroom Applications in STEM
STM 512 Quantitative Modeling
STM 513 Sustainability Science

Elective course (3).

Culminating experience:

STM 593/PHS 593 Applied Project

Total credit hours: 30

Admission Requirements: Applicants must submit an online Graduate College application.

Bachelor's from a regionally accredited university with a junior-senior GPA of 3.00 (no particular major is required but the applicant must be a K-8 educator).

Satisfactory score on ASU Mathematics Department's online mathematics placement examination or completion of STM 494 Foundations in Mathematics for Middle School Teaching.

Students must meet all admissions criteria of the Graduate College and must submit an online application for admission, including requirements on English proficiency.

Contact Information:

Engineering, Ira A. Fulton Schools of
School for Engineering of Matter, Transport & Energy
<http://modelit.asu.edu>

semtegrad@asu.edu
480-965-7840

Nuclear Power Generation (certificate), CERT (ESNPGGRCT)

Online Degree Search Title: Nuclear Power Generation (Grad Certificate)

Campus: ONLNE, TEMPE

Program Description: The nuclear power generation (NPG) graduate certificate is a multidisciplinary professional option within the Ira A. Fulton Schools of Engineering. The goal of the NPG certificate program is to prepare students and professionals from a variety of engineering and scientific disciplines to work effectively in the nuclear energy industry, including nuclear power plants, government regulators and national laboratories. The certificate program offers students a comprehensive, interdisciplinary education as courses from multiple academic units constitute the core and elective classes available to the student.

Students typically begin with the study of nuclear science and engineering fundamentals. Subsequent core courses focus on:

- Nuclear power plant dynamics and diagnostics.
- Nuclear power plant operations and safety.
- Nuclear reactor theory and design.
- Structural materials in nuclear power systems.

Elective courses allow students to tailor the remaining studies toward facilitating their career goals and focusing on studies tied to their discipline. Example elective courses include nuclear power engineering, health physics and electrical power plants. The primary mode of instructional delivery is online using the facilities of the engineering office of Global Outreach and Extended Education (GOEE).

Degree Requirements: 15 credit hours.

Admission Requirements: Applicants must submit an online Graduate College application. Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Applicants who hold a bachelor's in an engineering or science discipline, such as physics, chemistry and mathematics, from a regionally accredited institution are eligible to apply to the program. Applicants are required to submit:

- An official ASU Graduate College online application.
- Official transcripts of all undergraduate and graduate course work.

- A statement of career and educational goals.

Regular admission may be granted to applicants who have achieved a GPA of 3.00 (4.00 scale) or better in the last two years of work leading to a bachelor's and are competitive in the applicant pool.

Contact Information:

Engineering, Ira A. Fulton Schools of
Electrical Engineering Program
<http://engineering.asu.edu/ecee>
GWC 209
askee@asu.edu
480-965-3424

Solar Energy Engineering and Commercialization, PSM (ESSEECPSM)

Online Degree Search Title: Solar Energy Engineering and Commercialization (PSM)

Campus: TEMPE

Program Description: The Professional Science Master's in solar energy engineering and commercialization offers advanced, interdisciplinary education in solar energy to students with backgrounds in science, technology, engineering or mathematics (STEM). The objective of the program is to enable graduates to pursue careers in industry, government or the nonprofit sector that involve solar energy and its utilization. Students in the program must select courses from technical and nontechnical tracks, including solar energy policy, spanning a number of academic programs and schools. Opportunities exist for engagement with the solar energy industry or government policymakers, leading to a required culminating applied research project. The degree program is meant to be completed in 12 months for full-time students.

Degree Requirements: 30 credit hours including the required course (MAE 593) and an Applied Project.

The P.S.M. in solar energy engineering and commercialization requires the following:

- Core courses (15 credit hours).

One approved Solar Photovoltaic graduate course (students will be provided with a list of approved courses, to include but not be limited to ALT 507 Evaluation of Photovoltaics and Fuel Cell Systems, ALT 535 Applied Photovoltaics, EEE 565 Solar Cells, or EEE 591 Solar Energy) (3 hours)
GCU 598 Solar Energy and Public Policy (2 hours)
HSD 594 Science Outside the Lab (Field Trip - Washington DC) (1 hour)
MAE 580 Solar Energy Colloquium (3 hours)
MAE 593 Applied Project (6 hours)

- Elective Courses (15 credit hours including 9 technical credits and 6 non-technical credits).

Admission Requirements:

- Completed online application to the Graduate College.
- Official transcripts from each institution from which a degree was earned should be sent directly to the ASU Graduate College.
- General GRE required.
- Minimum of a 3.00 cumulative GPA (4.00=A scale) in the last 60 hours of a student's bachelor's program.
- Minimum of a bachelor's degree in a field such as science, technology, engineering or mathematics (STEM), from a regionally accredited institution or the equivalent of a U.S. bachelor's from an international institution that is officially recognized by that country.
- English proficiency requirement: If your native language is not English, you must provide evidence of English proficiency, as indicated by acceptable scores on the TOEFL or IELTS as follows:

The minimum TOEFL requirement is 550 (PBT) or 80 (iBT).

The minimum IELTS requirement is an overall band score of 6.5.

The minimum Pearson Test of English (PTE) requirement is 60.

Other details regarding English proficiency requirements are described on the Graduate College website:

http://graduate.asu.edu/admissions/international/english_proficiency (http://graduate.asu.edu/admissions/international/english_proficiency)

- Three letters of recommendation.
- Personal statement.

Contact Information:

Engineering, Ira A. Fulton Schools of
School for Engineering of Matter, Transport & Energy

<http://engineering.asu.edu/semte/Solar.html>

ERC 425

PSM.Solar.Energy@asu.edu

480-965-5584

Sustainable Technology and Management (certificate), CERT (SUSUTECHCE)

Online Degree Search Title: Sustainable Tech & Management (Grad Certificate)

Campus: ONLNE, TEMPE

Program Description: The certificate in sustainable technology and management is an interdisciplinary program that helps managers, engineers and organizations meet the business and engineering imperatives of sustainable development in a globalizing and increasingly competitive economy.

Students will be presented with metrics and skill sets that will enhance the development of sustainable technologies, entrepreneurship and organizational strategy. The net benefit will be reduced risks and costs, and increased competitive advantages through strategic alliances, scenario planning and resource management.

Degree Requirements: 15 credit hours.

Students will work with a faculty advisor to select their course work.

Students will complete a capstone project supervised by a faculty advisor, which will demonstrate complex engineering-management problem solving for sustainability and technologies. This will include:

- Comparative analysis of options.
- Detailed business plans.
- A presentation to the faculty, advisory committee, and invited members of the community.
- Technical evaluations and recommendations.

Students are expected earn a "B" (3.00) or better in each course. It is also expected that they complete the program in three years, but can finish the program in one or two years depending on how many courses they take each semester.

Admission Requirements: Students are required to apply for this certificate program through the Graduate College online application.

Students must have a bachelor's or master's from a regionally accredited institution with a cumulative grade point average of 3.00 or higher, on a 4.00 scale, or be currently admitted to a graduate degree program at ASU.

Students are required to submit official copies of all undergraduate and graduate transcripts to the Graduate College. ASU transcripts do not need to be sent. If a student has already submitted these to ASU, they do not need to resend them.

A personal statement and resume must be submitted along with the CSTM application. Preference will be given to students with degrees in business, engineering, the sciences or public policy.

Applicants whose native language is not English must demonstrate proficiency in the English language by meeting the Graduate College's English proficiency requirements.

Students are required to apply to the certificate program before completing more than six credit hours of the required courses for the certificate.

Contact Information:

Engineering, Ira A. Fulton Schools of

Civil, Environmental and Sustainable Eng Program

<http://engineering.asu.edu/sebe>

ECG 251

sebe.advising@asu.edu

480-965-0595

Graduate College

Biological Design, PHD (GCBDSPHD)

Online Degree Search Title: Biological Design (PhD)

Campus: TEMPE

Program Description: The doctoral program in biological design seeks to develop a new type of scientist by training students in core disciplines related to biomedicine and biotechnology while simultaneously preparing them to participate successfully in the interdisciplinary research teams of the future.

The research emphasis is on projects that are use-inspired, contributing directly to solutions for important societal challenges. This is a highly mentored program of personalized study that provides significant interaction with the large and vibrant local research community. Students are expected to complete the program in four to five years.

The key distinguishing features of the curriculum are:

- A personalized program of study that allows students to explore the disciplinary and interdisciplinary areas of greatest interest.
- A two-semester core course sequence that will provide core training in relevant bio-related areas.
- Encouragement to choose dissertation research projects that are use-focused, contribute to solving a large-scale challenge and promise rich interdisciplinary experiences.
- Opportunities to participate in special seminars and outreach activities to encourage broad research interactions.
- Three 10-week laboratory rotations during the first year of study. Rotations can be in any ASU laboratory provided it is centered largely on biological research.

Degree Requirements: 84 credit hours, a Written Comprehensive Exam, an Oral Comprehensive Exam, a Prospectus and a Dissertation.

Required course work includes:

BDE 701 Fundamentals of Biological Design I (9)
 BDE 702 Fundamentals of Biological Design II (3)
 BDE 721 Integrative Research (3)
 BDE 722 Research Design (3)
 BDE 751 Teaching in Science (2) BDE 791 Seminar (4-credit-hour minimum)
 BDE 792 Research (every semester)
 BDE 799 Dissertation (12)
 Specialized Disciplinary Courses (6 minimum)

Admission Requirements: Applicants must submit an online Graduate College application.

Applications for the biological design graduate program are taken and processed through the ASU Graduate College. The application deadline for the program is Jan. 1.

Before submitting the online application, candidates should prepare the following documents:

- GRE test scores: The institution code for ASU is 4007 and the departmental code is 0000. Subject test scores are also recommended but not required.
- Letters of Recommendation: Three letters of recommendation relative to the candidate's academic career are required.
- Personal statement: This document should reflect the candidate's career and educational goals and should explain why they are interested in pursuing this degree.
- Resume: The resume should include prior research and employment experience, honors, awards, memberships held, publications, etc.

For additional Graduate College application requirements, including transcripts, fees and international application requirements, please see the college website.

Contact Information:

Graduate College
 Graduate College
<http://biologicaldesign.asu.edu/>
 BD A320CB
 biologicaldesign@asu.edu
 480-727-9298

Human and Social Dimensions of Science and Technology, PHD (GCHSDSTPHD)

Online Degree Search Title: Human and Social Dimensions of Science and Technology (PhD)

Campus: TEMPE

Program Description: This program prepares students to teach and conduct research on the conceptual, historical, social and policy foundations of science and technology, as well as their interactions with society, using humanistic and social science methods. The Ph.D. in human and social dimensions of science and technology responds to growing demand for interdisciplinary research in the humanities and social sciences that can provide insights into the dynamic relationship between science, technology and society. Solutions to the problems of applying science and technology to human wellbeing can only be found by fully integrating research from across many social science and humanities disciplines. The program is flexible, combining a strong, integrated, first-year experience with substantial freedom for students, in conjunction with their advisors, to design carefully crafted programs of study relevant to their own areas of specialization and expertise. Unique among programs of this kind nationally, students will also learn to communicate and work with scientists, engineers, policy, business and community officials, or the public in conducting and applying research.

Degree Requirements: 84 credit hours, a Written Comprehensive Exam, an Oral Comprehensive Exam, a Prospectus and a Dissertation.

This is a research degree, culminating in a dissertation, which must draw on multiple disciplinary perspectives.

Students may apply up to 30 hours from a prior master's toward the total hour requirement upon approval of the steering committee. Each student, with his or her supervisory committee, develops a unique program of study, which the student's supervisory committee approves.

Each student completes a yearlong core seminar, a second-year research project, two major fields, one minor field, methods training, electives and research. Students also regularly attend the program colloquia. There are no foreign language or statistics requirements, except as needed for a particular student's selected dissertation project.

Comprehensive Examination

The written dissertation prospectus and its oral defense constitute the written and oral comprehensive examinations required by the Graduate College for advancement to candidacy. Each student develops a written dissertation prospectus, including a bibliography and discussion of relevant research skills. The student makes an oral defense of the dissertation prospectus to his or her supervisory committee, which must approve the prospectus. Students normally complete the dissertation prospectus and its defense in the fifth semester.

Dissertation

The dissertation represents an original body of research that contributes to existing knowledge in a significant way.

Final Examination

Upon completing the dissertation, the student makes an oral defense of the dissertation to the supervisory committee, which must approve the dissertation. The doctorate is granted upon successful completion of the oral defense and any revisions to the dissertation required by committee members.

Admission Requirements: Applicants must submit an online Graduate College application.

Preference is given to students with demonstrated interest and competence in relevant areas of intellectual work. All students must hold an undergraduate degree from a regionally accredited institution or university of recognized standing when they enter and have a minimum GPA of 3.00 on a 4.00 scale for the last 60 semester hours of undergraduate work.

The HSD program admits one cohort annually for plans of study that begin in the fall semester. The application deadline is Dec. 15 for students wishing to begin a program of study the following August. There is no guarantee that applications received after Dec. 15 will be reviewed.

To apply to the program, applicants are required to submit:

- An online ASU Graduate College application.
- Official transcripts of all undergraduate and graduate course work.
- The HSD academic record form.
- A curriculum vitae or resume.
- A statement of proposed research program that clearly identifies why the student feels ASU is the appropriate place to pursue their doctorate and identifies one or more faculty members whose interests or work are relevant to the student's proposed research.
- A writing sample.
- General GRE scores.
- Three academic letters of recommendation.
- Applicants whose native language is not English must provide proof of English proficiency with one of the following:
 - TOEFL score of 600 paper-based or 100 internet-based.
 - IELTS overall band score of at least 6.5 with no band below 6.0.
 - Pearson Test of English (PTE) score of at least 60.

Regular admission may be granted to applicants who meet Graduate College admission requirements.

Contact Information:

Graduate College
Graduate College
<http://hsd.asu.edu>
INTDSB 360C
hsd@asu.edu
480-965-1778

Neuroscience, PHD (GCBMENPHD)

Online Degree Search Title: Neuroscience (PHD)

Campus: TEMPE

Program Description: Neuroscience involves the study of the nervous system and its relation to an organism's function. It encompasses how gene and nerve networks interact with the environment throughout an organism.

Degree Requirements: 84 credit hours, a Written Comprehensive Exam, an Oral Comprehensive Exam, a Prospectus and a Dissertation.

The Ph.D. in neuroscience degree program will integrate aspects of graduate level training from many different units on campus as well as from the program's partner institutions distributed across the greater Phoenix area. Partner institutions will include, but are not be limited to The Barrow Neurological Institute, Translational Genomics Research Institute, University of Arizona College of Medicine, the Mayo Clinic and Sun Health.

The program requires the completion of 84 credit hours of which 12 hours, and only 12, are dissertation credits. At least 18 credits of formal course work are required. In consultation with their committee and their supervisor/mentor, students will be able to customize their program of study to suit their particular interests and goals. Each student completes six credit hours of the core course credits. The core course sequence must be completed before the oral and written evaluation examinations are taken. Additional credits will be comprised of specialized disciplinary courses or research credits chosen in consultation with their mentor and advisory committee.

A one-credit-hour journal club seminar will be required each semester.

Advancement to candidacy will be dependent on successfully passing a formal comprehensive examination that includes a written proposal of the

dissertation research and an oral examination in the broader areas that pertain to that research study. When the research is completed, the dissertation must be written and presented in a public seminar and successfully defended before the supervisory committee.

Admission Requirements: Applicants must submit an online Graduate College application including the appropriate documents, plus three letters of recommendation and official GRE scores.

The graduate committee will be responsible for decisions concerning potential recruitment of students and admission recommendation of students to the program.

They will also be highly active in the recruitment procedure each year.

Requirements

A bachelor's in science or engineering from a regionally accredited institution (or equivalent degree) is required. Applicants must submit the following:

- An official ASU Graduate College application.
- A statement of career and educational goals.
- Identify at least three neuroscience faculty in area of interest.
- Official GRE scores.
- Official transcripts of all undergraduate and graduate course work.
- Three letters of recommendation (two of which should be academic recommendations).
- International students must submit official TOEFL scores.

Regular admission may be granted to applicants who have achieved a GPA of 3.00 (4.00 scale) or better in the last two years of work leading to a bachelor's and who are competitive in the applicant pool as evidenced by GRE verbal, quantitative and analytical scores, the statement of educational and career goals and the letters of recommendation. Particular attention will be paid to research experience and overall preparation in problem solving abilities as evidenced by previous course work, research experiences and/or GRE scores.

Because this program draws on an extremely broad range of disciplinary backgrounds in recruiting students, there is no specific set of undergraduate course requirements other than those implied by the degree requirements described above. Most students will be expected to have had course work in biology, chemistry and math, or demonstrated ability through a subject test GRE. During the first semester, student progress in the core course will be closely monitored for difficulty in specific areas.

Contact Information:

Graduate College

Graduate College

<http://neuroscience.asu.edu/index.html>

LSC 215

beverly.mcbride@asu.edu

480-965-2719

Health Solutions, College of

Biomedical Informatics, MS (ESBIOINFMS)

Online Degree Search Title: Biomedical Informatics (MS)

Campus: DTPHX, TEMPE

Program Description: The M.S. in biomedical informatics is designed to meet the rapidly growing need for professionals with preparation that integrates technological expertise in informatics, computer sciences, biosciences and mathematical statistics with a knowledge of the clinical environment in the health care professions.

The program features a sequence of courses specifically designed to bring together clinicians and researchers in teams, applying new developments in informatics theory to clinical practice. This program is supported by a broad set of collaborators including Banner Health, Barrow Neurological Institute, Mayo Clinic/Phoenix Program and The University of Arizona College of Medicine. This approach makes the M.S. in biomedical informatics program at ASU distinctive, if not unique, among biomedical informatics programs in the United States. Students will take courses in such areas as public health, clinical environments, bioinformatics and statistics.

Degree Requirements: 32 credit hours, a Written Comprehensive Exam and an Oral Comprehensive Exam (MIP), or 32 credit hours, a Written Comprehensive Exam and including a Capstone Course (BMI 592).

Due to the diverse academic backgrounds of students requesting admission into this program, many will find it necessary to take some course work in preparation. However, all students will take 32 credit hours of graduate-level course work, including 17 hours of mandatory course work as outlined below:

BMI 501 Introduction to Biomedical Informatics (3)

BMI 502 Foundations of Biomedical Informatics Methods I (3)

BMI 504 Introduction to Clinical Environments (3)

BMI 505 Foundations of Biomedical Informatics Methods II (3)

BMI 540 Problem Solving in Biomedical Informatics (3)

BMI 570 Symposium (2)

The remaining hours include nine hours of elective course work and six hours of research credit to be applied to the completion of a scientific paper.

Admission Requirements: Applicants must submit an online Graduate College application.

Students interested in applying to this program must submit an online application to the Graduate College. An applicant to the master's in biomedical informatics program should have earned a bachelor's degree in biology, computer science, engineering, nursing or statistics. Applicants who have earned degrees in other unrelated fields with appropriate academic backgrounds will also be considered. However, all applicants must have basic competencies in college-level calculus (similar to MAT 270), general biology (similar to BIO 188) or physiology, statistics (similar to STP 226) and basic computer programming (similar to CSE 100 or 110).

The applicant's undergraduate GPA, statement of purpose and depth of preparation in their field are the primary factors affecting admission. Every applicant must submit scores for the GRE or any other graduate-level entry examination. An international student must also submit Test of English as a Foreign Language (TOEFL) scores.

Contact Information:

Health Solutions, College of
Biomedical Informatics Program

<http://bmi.asu.edu>

Johnson Research Bldg., Mayo Clinic, Room 208

Kaitlin.Yacob@asu.edu

480-884-0234

Biomedical Informatics, PHD (ESBMIPHD)

Online Degree Search Title: Biomedical Informatics (PHD)

Campus: DTPHX

Program Description: The biomedical informatics faculty offers a graduate program leading to the Ph.D. in biomedical informatics. The core program features courses specifically designed to bring together clinicians, biological scientists and informatics researchers to apply new developments in informatics theory to clinical or biological practice.

Additional concentration course work in an area of focus and emphasis on independent research are intended to place these students at the leading edge of the field. Strong collaborative relationships with a variety of health care organizations, the bioscience industry and governmental agencies provide an unparalleled opportunity for doctoral students to explore and contribute to advances in bioinformatics and informatics related to imaging, clinical medicine and public health. Students may explore special foci on cross-cutting areas, such as data mining, predictive modeling and simulation.

Degree Requirements: 84 credit hours, a Written Comprehensive Exam, a Prospectus and a Dissertation.

Due to the diverse academic backgrounds of students requesting admission into this program, many will find it necessary to take some course work in preparation. However, all students will take a 84 credit hours of approved graduate-level course work, including 21 credit hours of mandatory courses listed below:

BMI 501 Introduction to Biomedical Informatics (3)

BMI 502 Foundations of Biomedical Informatics Methods I (3)

BMI 504 Introduction to Clinical Environments (3)

BMI 505 Foundations of Biomedical Informatics Methods II (3)

BMI 515 Advanced Biostatistical Methods (3)

BMI 540 Problem Solving in Biomedical Informatics (3)

BMI 560 Teaching in Biomedical Informatics (2)

BMI 570 Symposium (2)

Students must also complete a dissertation and pass written and oral comprehensive examinations.

Admission Requirements: Applicants must submit an online Graduate College application. Program requires the following: 84 credit hours, a Written Comprehensive Exam, and a Prospectus and a Dissertation.

An applicant to the doctorate in biomedical informatics program should have earned a bachelor's in biology, computer science, engineering or statistics or be trained as a post-bachelor's health professional in medicine, nursing or pharmacy. Student applicants who have earned degrees in other unrelated fields with appropriate academic backgrounds will also be considered. However, all applicants must have basic competencies in anatomy and physiology, college calculus, computer programming, general biology and statistics.

The applicant's undergraduate GPA, statement of purpose and depth of preparation in their field are the primary factors affecting admission. Every applicant must submit:

- Scores for the GRE (verbal, quantitative and analytical required; the subject test is optional) or any other graduate-level entry examination.
- An international student must also submit Test of English as a Foreign Language (TOEFL) scores.

Contact Information:

Health Solutions, College of
Biomedical Informatics Program

<http://bmi.asu.edu>

Johnson Research Bldg., Mayo Clinic, Room 208

Kaitlin.Yacob@asu.edu

480-884-0234

Exercise and Wellness, MS (ECEXERMS)

Online Degree Search Title: Exercise and Wellness (MS)

Campus: DTPHX, POLY

Program Description: This degree offers unique opportunities for those interested in becoming scholarly professionals and contributors to public health through the delivery of effective exercise and wellness programs to all segments of society. Professionals in education, counseling, commercial fitness and wellness, worksite or corporate health promotion and personal training/life coaching who are interested in an advanced training in health promotion, exercise and physical activity promotion, fitness and conditioning or in exercise and chronic disease prevention should consider the program.

Degree Requirements: 30 credit hours and a Thesis, or 30 credit hours and a Written Comprehensive Exam.

All students must focus their plan of study in one of two areas: health promotion and physical activity or fitness and conditioning.

The thesis is considered the final integrative experience of the degree. It involves conducting research that is guided by a recognized research paradigm (e.g., scientific, interpretive), producing a scholarly report of the process and results. The thesis option is a good choice for students who are interested in pursuing more advanced graduate study in the field. Thesis track:

- 12 credit hours of core course work (NTR 500 Research Methods, EXW 501 Research Statistics, EXW 536 Physiology of Physical Activity and Chronic Disease, EXW 542 Health Promotion Theory).
- 12 credit hours of elective courses in focus area.
- Six credit hours of Thesis research.

The non-thesis option is an appropriate choice for those students who cannot devote full-time to their research endeavors and/or for students who are seeking to continue their education, advance their skill level as practitioners or advance their current careers. Non-thesis track:

- 12 credit hours of core course work (NTR 500 Research Methods, EXW 501 Research Statistics, EXW 536 Physiology of Physical Activity and Chronic Disease, EXW 542 Health Promotion Theory).
- 18 credit hours of elective courses in focus area.
- Written comprehensive exam (representing core courses and focus area).

Admission Requirements: Applicants must submit the Graduate College online application.

In addition to meeting the Graduate College requirements, all applicants to program are required to submit scores from the GRE.

International applicants whose native language is not English must also satisfy English proficiency requirements.

Admission to the master's program is based on a number of factors including undergraduate grade point average (GPA), GRE scores, letters of recommendation and statement of career/research interests.

Applications are accepted for admission to the fall semester only, with first priority given to completed applications received by Jan. 15. Students who do not have undergraduate credit for the basic courses required for a bachelor's in exercise and wellness (human anatomy/physiology, human nutrition, exercise physiology, health behavior change, exercise testing and exercise prescription) can be admitted with course deficiencies.

However, it is required that these deficiencies be taken prior to or within the first year of graduate study. Undergraduate courses taken as deficiencies are not considered part of the graduate plan of study.

Contact Information:

Health Solutions, College of

College of Health Solutions

<http://healthpromotion.asu.edu/>

NHI-2 410

healthpromotion@asu.edu

602-496-0869

Nutrition, MS (ECHNUTMS)

Online Degree Search Title: Nutrition (MS)

Campus: DTPHX, POLY

Program Description: The M.S. program in human nutrition is based on the scientific foundations of nutrition, but also prepares students with strong writing skills, computer literacy, interpretive expertise, problem-solving skills and research experiences. Students who have completed an accredited Didactic Program in Dietetics (DPD) may also elect to apply to the ASU dietetic internship in order to meet the requirements to become a registered dietitian.

The primary objective of the graduate program in nutrition is to provide advanced training in nutrition research. Graduate students are expected to

develop competencies in research methods and in advanced practice knowledge relevant to their area of study. The skills and knowledge acquired during the course of training should enable each student to develop professional competencies that can be applied to significant problems and issues within the field of nutrition/dietetics.

Degree Requirements: 30 credit hours and a Thesis.

The plan of study must contain approved graduate-level work and a thesis. The following courses are required:

- Research methods: NTR 500 and NTR 501. (6 credits)
- Statistics: three to six credit hours from EXW 501, EDP 552/554, STP 530/531/532/533, PSY 529/530 or other approved course.
- Seminars in foods and nutrition (six credit hours from NTR 521/523/525/527/529/537/598). Seminars reflect the changing nature of research and cover different subject areas each semester. Recent seminars include global nutrition, vegetarianism, public health, immunology, pediatric nutrition, energy balance and weight management and sports nutrition.
- Thesis: NTR 599 (6 credits)

Admission Requirements: Applicants must submit a Graduate College online application.

The following are prerequisites for admission into the program:

- Anatomy and physiology I and II with labs (such as BIO 201 and 202 at ASU).
- Biochemistry (one semester only is required, such as BCH 361 at ASU).
- General chemistry with lab (such as CHM 101 or CHM 113 plus 116 at ASU).
- General nutrition for majors (such as NTR 241 at ASU).
- Microbiology with lab (such as MIC 205 and 206 at ASU).
- Organic chemistry with lab (one semester only is required, such as CHM 231 and 235 lab at ASU).
- Statistics (any statistics course).

Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Contact Information:

Health Solutions, College of
College of Health Solutions
<http://nursingandhealth.asu.edu/nutrition/>
NHI-2 410
healthpromotion@asu.edu
602-496-0869

Nutrition (Dietetics), MS (ECNTRDMS)

Online Degree Search Title: Nutrition (Dietetics) MS

Campus: DTPHX, POLY

Program Description: The dietetics concentration under the M.S. in nutrition is a non-thesis option geared specifically for registered dietitians (R.D.s) seeking to continue their education, advance their skills as practitioners and achieve their career goals. To facilitate the matriculation of working professionals, courses will be offered one evening a week or offered online, and students will have the option of enrolling part time or full time.

The dietetics concentration under the M.S. in nutrition requires previous work experience as an R.D. to be admitted; however, prospective students will not have to be employed at the time they apply to the program, nor will students have to be employed to maintain in good standing with the program.

Degree Requirements: 30 credit hours including the required course (NTR 593) and an Applied Project.

- Required courses (9 credits): research methods and statistics
- Required concentration courses (6 credits): graduate nutrition seminars
- Elective courses (9 credits)
- Applied project (6 credits): NTR 593

Admission Requirements: Prospective students must apply online to the Graduate College. Applicants must submit the following materials:

- Current registered dietitian (R.D.) credential verification by the Commission on Dietetic Registration.
- A minimum of 2,080 hours (equivalent to one year full-time) of work experience in dietetics or a closely related discipline since becoming an R.D.
- Adequate academic preparation.
- Satisfactory and competitive GPA.
- Personal or phone interview.
- Favorable letters of recommendation.

Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Contact Information:

Health Solutions, College of
College of Health Solutions
<http://healthpromotion.asu.edu>
NHI-2, Room 410
healthpromotion@asu.edu
602-496-0869

Physical Activity, Nutrition and Wellness, PHD (ECNUTRIPHD)

Online Degree Search Title: Physical Activity, Nutrition, and Wellness (PhD)

Campus: DTPHX, POLY

Program Description: The faculty mentors of the physical activity, nutrition and wellness program offer an interdisciplinary graduate program leading to the doctoral degree in physical activity, nutrition and wellness. The doctoral degree in physical activity, nutrition and wellness is an individualized interdisciplinary program that integrates graduate courses from several academic units to provide a sound foundation for research, leading to a dissertation. The program focuses on issues that contribute to health through the reduction of disease risk, quality of life promotion and enhancement of well being. While many healthy lifestyles are studied, the emphasis is on physically active living and sound nutrition. One of the unique features of this interdisciplinary program is that a student may tailor a course of study to fit individual needs and goals within two main focus areas:

- Physical activity/health promotion.
- Nutrition/health promotion.

The program prepares research scholars, academic faculty and professionals who study physical activity promotion, healthy lifestyles, nutrition science, exercise science and kinesiology. The program will prepare graduates for careers in higher education, governmental agencies and health-related positions in private industry. The program requires residency and three years of full-time study after the master's. Students will be actively involved in research at all stages of the doctoral study through participation in directed research internships, independent research experiences, seminars/colloquia and dissertation research.

Degree Requirements: 97 credit hours, a Written Comprehensive Exam, an Oral Comprehensive Exam, a Prospectus and a Dissertation. Requirements are distributed across five areas of study:

- Previously awarded master's (30).
- Research and statistics courses (18).
- Elective applied research experience or courses (20).
- Professional development courses (5).
- Concentration courses (12).
- Dissertation (12).

The concentration courses have two focus areas:

- Physical activity/health promotion.
- Nutrition/health promotion.

Students are encouraged to take courses in all areas. At least one class (three credit hours) must be taken in each area.

The concentration courses allow students to focus on an interest area (e.g., aging, stress reduction, diabetes, strength, worksite health promotion, physical activity, public health, bioenergetics, weight management, etc.) within the program. The concentration courses are selected by the student in consultation with his or her academic mentor and supervisory committee. It is expected that nine of the 12 credit hours in the concentration will be in a focused content area and that any research projects will reflect these interests. At least three but not more than nine credit hours in the concentration should be taken from a program our department outside the exercise and wellness or nutrition programs.

Admission Requirements: Applicants must submit the Graduate College online application.

In addition to meeting Graduate College requirements, applicants must have successfully received a master's prior to admission to the program, and it is preferable that they have completed a data-based research thesis.

Applicants must include the following materials with their online application:

- A letter of intent (indicating research /scholarly goals and designating the name of a potential mentor from a list of approved faculty mentors).
- Statement of career goals.
- GRE scores (verbal, quantitative and writing).
- A six- to 10-page writing sample.
- A professional resume.

- Three letters of recommendation.
- Teaching/research assistantship application.
- Applicants whose native language is not English must submit a Test of English as a Foreign Language (TOEFL) score unless they meet the requirements for an exception.

Prerequisite courses: Students must have completed the following prerequisite undergraduate and graduate courses prior to admission: anatomy, physiology, human nutrition, upper-division nutrition, upper-division exercise physiology, upper-division motor control/learning, graduate-level research methods and graduate level statistics.

It is expected that students admitted to the program will have a strong disciplinary foundation in physical activity/wellness, exercise science or nutrition. Individuals lacking background in these areas will be required to make up deficiencies before admission. Other requirements may be necessary depending on the area of study and will be determined by the mentor and executive committee.

Admission decisions are based on the compatibility of the applicant's research interests and career goals with the purpose of the degree program, previous academic training, GPA, GRE scores, recommendations, available funding and a match of research interests with available mentors. It is expected that doctoral students will spend three years in full-time residence. The intent is to involve and embed students in ongoing research as well as class study. Thus, all doctoral students are to be full-time students and hold part-time appointments (20 hours per week) as a teaching assistant or research assistant. As such, to be accepted into the program, funding must be available and students must have the expertise, experience and willingness to teach courses in the exercise and wellness or nutrition undergraduate curriculum or be a research assistant as funding allows.

Applications are accepted for admission to the fall semester only, with first priority given to completed applications received by Jan. 15.

Contact Information:

Health Solutions, College of
 College of Health Solutions
<http://healthpromotion.asu.edu>
 NHI-2 210
interdisciplinaryphd@asu.edu
 602-496-0869

Interdisciplinary Arts & Sciences, New College of

Communication Studies, MA (ASCOMSTMA)

Online Degree Search Title: Communication Studies (MA)

Campus: WEST

Program Description: The M.A. in communication studies prepares students for communication-intensive roles in such fields as:

- Community relations.
- Employee communication.
- Grass-roots advocacy.
- Health communication.
- Media campaigns.
- Political communication.
- Public affairs.
- Technology-mediated communication systems.

A substantive number of graduates pursue the Ph.D. and careers in teaching and research.

Within the M.A. in communication studies, the notion of advocacy is explored. This is achieved by examining advocacy across the discipline's traditional classifications and within a variety of contexts. This approach allows faculty to journey with students to discover and attend to advocacy in new and unique ways, to collectively theorize and practice advocacy. People who come to our program join the faculty in this endeavor. Advocacy occurs at the intersection of public and private lives, in the space where the two overlap and mutually inform one another, often in complex and challenging ways. It is here that we seek to uncover the ways in which symbols, messages and meaning are constructed and arranged to establish, facilitate, enhance or detract from the social status, social support and/or social identity of particular and often marginalized groups. Although the faculty recognize fully that one can advocate on one's own behalf, the faculty believe the true work of advocacy involves attending to the other. Advocacy, though, is not limited simply to speaking directly on another's behalf. Rather, advocacy involves working diligently and ethically to create a space, whether it is public or private, in which the other can speak for himself or herself. The advocate uses communication theory and practice to reclaim space for and to provide voice to the other. Advocacy is a calling to the responsibility we have for others in the global age. The M.A. in communication studies seeks to provide those interested in advocacy the opportunity to develop the intellectual and conceptual skills necessary to follow that calling.

Degree Requirements: 36 credit hours and a Thesis, or 36 credit hours and a Written Comprehensive Exam, or 36 credit hours including the required course (CMN 593) and an Applied Project.

The degree consists of these courses:

CMN 502 Theory and Practice in Communication and Persuasion (3) or CMN 522 Argumentation and Advocacy (3)

CMN 505 Methods in Applied Communication Research (3)

CMN 506 Humanistic Inquiry and Field Research in Communication (3)

Electives* (21)

Thesis or applied project (6) or written comprehensive examination plus six credit hours of course work (6)

*At least 21 credit hours of electives are selected in consultation with the student's program advisor. When appropriate, students may take up to six credit hours outside the program.

Additional Requirements

CMN 502 or 522, 505, and 506 must be completed with a grade of "B" (3.00) or higher. In addition, the student must earn a cumulative GPA of 3.00 or higher in all courses numbered 500 or above that appear on the transcript and all courses that appear on the program of study.

The determination of requirements for each student's program of study is the mutual responsibility of the student and advisor. Students are permitted to take comprehensive examinations only concurrent with, or subsequent to, completion of their 36th credit hour of course work. Students who choose to complete the thesis or applied project option are permitted to register for thesis or applied project credit hours only concurrent with, or subsequent to, completion of their 24th credit hour of course work.

Thesis or Applied Project

The thesis or applied project must demonstrate intellectual, academic, and/or professional growth and ability. The thesis or applied project are supervised and approved by the student's advisor and committee. An oral defense is required for the thesis or applied project.

Descriptions of current program options and requirements are available from the Communication Studies Program in FAB N301H.

Admission Requirements: Applicants must submit an online Graduate College application.

Admission to the program is competitive, based on an applicant's undergraduate scholarly activities, research abilities and professional experience.

All applicants must submit the following:

- Official transcripts of all undergraduate and graduate work.
- A 500-word personal statement indicating academic and professional goals and addressing how the program will aid in the achievement of those goals.
- Three letters of recommendation, up to two of which may come from appropriate professional, non-academic sources.
- A writing sample of scholarly work or an example of professional activities (i.e., technical reports, grants, creative campaign).
- If the undergraduate cumulative GPA is below 3.00 for the last 60 credit hours, official GRE scores are required.

Students whose native language is not English must also achieve a minimum test score of 550 paper-based, 213 computer-based or 83 Internet-based on the Test of English as a Foreign Language (TOEFL) or a minimum overall score of 6.5 on the International English Language Testing System (IELTS).

Contact Information:

Interdisciplinary Arts & Sciences, New College of

School of Social and Behavioral Sciences

<http://newcollege.asu.edu/graduate/degrees/communication-studies-ma>

FABN 301H

janis.lacey@asu.edu

602-543-6266

Interdisciplinary Studies, MA (ASINTERMA)

Online Degree Search Title: Interdisciplinary Studies (MA)

Campus: WEST

Program Description: The M.A. in interdisciplinary studies is an innovative and flexible degree program designed for students who wish to pursue a unique educational experience by combining the study of two or more disciplines. Founded on the conviction that solving problems and producing knowledge in the 21st century often requires the crossing of disciplinary boundaries, the program provides exposure to a variety of research methods, historical perspectives and modes of inquiry.

Prospective students include teachers who intend to increase and integrate their knowledge in specific content areas, professionals in the corporate and nonprofit sectors who wish to advance or redirect their careers, aspiring scholars and researchers who want to prepare for doctoral study, and other individuals who desire personal enrichment in the humanities and social sciences. Once admitted to the program, students may define their own area of emphasis or adopt an area such as:

- American studies.
- Assessment of integrative health modalities (see graduate certificate program).
- Cultural studies.
- Digital media art.
- English literature.
- Gender studies (see graduate certificate program).
- Museum studies (see graduate certificate program).

- Nonprofit leadership and management (see graduate certificate program).
- Philosophy, rhetoric and literature.

The degree requires 30 credit hours of course work, including three core courses that prepare students for advanced interdisciplinary study. Working closely with a faculty advisor, students may select the remaining courses from graduate offerings across the New College of Interdisciplinary Arts and Sciences and across other Arizona State University colleges and schools. The program culminates with a capstone experience that may result in a research paper or applied project.

Degree Requirements: 30 credit hours including a Capstone Course (MAS 585).

Core Required Courses (9 credit hours)

MAS 501 Methods for Interdisciplinary Inquiry

MAS 502 Perspectives in Interdisciplinary Studies

MAS 505 Theories of Change, Culture, and Mind

Area of Emphasis/Focus Area (15-18 credit hours)

Working with a faculty mentor, students select 15 to 18 credit hours of graduate-level course work that reflects a particular area of specialty or interest.

Elective (0-3 credit hours)

Students can select three credit hours of a graduate-level elective in order to reach the required 30 credit hours for the degree program.

Capstone Experience (3 credit hours)

MAS 585 Capstone Course (3)

Admission Requirements: Applicants must submit an online Graduate College application.

Admission is granted on a competitive basis. To be admitted to the M.A. in Interdisciplinary Studies, candidates must have a four-year bachelor's degree from a regionally accredited institution or foreign equivalent, and must submit the following:

- Official transcripts of all undergraduate and graduate course work.
- Official GRE scores if undergraduate GPA is below 3.0.
- A personal statement.
- Three letters of recommendation. It is preferred that these letters come from faculty.
- Writing sample.
- Resume.

Students whose native language is not English must also achieve a minimum test score of 550 paper-based, 213 computer-based or 83 Internet-based on the Test of English as a Foreign Language (TOEFL), or a minimum overall score of 6.5 on the International English Language Testing System (IELTS).

Deadlines

Fall Semester

Priority: Feb. 15

Final: July 15

Spring Semester

Priority: Oct. 1

Final: Dec. 1

Contact Information:

Interdisciplinary Arts & Sciences, New College of

School of Humanities, Arts, and Cultural Studies

<http://newcollege.asu.edu/graduate/degrees/mais>

FABN 301J

ellie.ahmann@asu.edu

602-543-6295

Psychology, MS (ASPGSMS)

Online Degree Search Title: Psychology (MS)

Campus: WEST

Program Description: The M.S. in psychology program is a full-time, two-year, research-oriented program most appropriate for students who plan to continue on to a doctoral program or pursue research-related careers in business, government or nonprofit sectors. Students receive intensive training in advanced research methodology and statistical analysis and are offered a wide variety of elective graduate seminar courses including:

- Abnormal psychology.
- Affective science.
- Behavior analysis.
- Cognitive psychology.

- Developmental psychology.
- Health psychology.
- Legal psychology.
- Psychophysiology.
- Social psychology.
- Stress and coping family psychology.

Our students receive hands-on experience with:

- Data collection and analysis.
- Experimental design.
- Grant proposal writing.
- Laboratory instrumentation.
- Manuscript development.

We expect all students will participate in faculty-guided research, including the opportunity to present research at regional and national conferences, and participate as coauthors in conferences, published research reports or monographs. In addition, students will conclude their studies with an empirical thesis project or an applied research-based project.

Degree Requirements: 31 credit hours and a Thesis, or 31 credit hours and an Applied Project.

Specific credit-hour requirements include:

- A seminar for all newly admitted students, that will address professional issues such as locating and applying for external funding, ethical issues in research and practice, and participation in professional organizations. All psychology faculty present their research and participate in the seminar (1).
- Completion during the second year of the program of either a thesis or an applied research project. This work will be approved and overseen by the two-member supervisory committee, as stipulated by Graduate College policy (6).
- Five elective content courses in which students acquire an understanding of current theoretical issues of psychology (e.g., abnormal psychology, affective science, behavior analysis, cognitive psychology, developmental psychology, health psychology, legal psychology, psychophysiology and social psychology) where the student will become familiar with theoretical analysis and the current state of the field (15).
- Independent research hours accrued in faculty laboratories or an applied research-based project where students will receive hands-on experience in experimental design, laboratory instrumentation, data collection and analysis and manuscript development. Students take three or more credit hours. Research credit hours cannot substitute for elective content courses.
- Training in advanced research methods and statistics (6).

Admission Requirements: Applicants must submit an online Graduate College application.

Applicants must meet Graduate College Admission requirements. All applications must include the following:

- Bachelor's in psychology or a related field.
- Minimum cumulative grade point average (GPA) of 3.00 on a 4.00 scale.
- Completion of the GRE, with a recommended verbal plus quantitative score of 1100 or the equivalent in the forthcoming revision of the GRE scoring system.
- Successful completion of undergraduate psychology statistics and research methods courses (or their equivalent).
- Three letters of recommendation from faculty. Letters from faculty are preferred (but if not available, then from individuals in supervisory or professional roles).

A personal statement no longer than three, double-spaced pages must be submitted describing how the applicant would be a good fit for the program, including research interests and career plans. The statement should rank-order three faculty members with whom the applicant would be interested in working.

Students whose native language is not English must also achieve a minimum test score of 550 paper-based, 213 computer-based or 83 Internet-based on the Test of English as a Foreign Language (TOEFL) or a minimum overall score of 6.5 on the International English Language Testing System (IELTS).

Contact Information:

Interdisciplinary Arts & Sciences, New College of
 School of Social and Behavioral Sciences
<http://newcollege.asu.edu/graduate/degrees/masters-in-psychology>
 FABN 301H
 jlacey@asu.edu
 602-543-6266

Social Justice and Human Rights, MA (ASJHRMA)

Online Degree Search Title: Social Justice and Human Rights (MA)

Campus: WEST

Program Description: The M.A. in social justice and human rights offers justice and human rights approaches to specific issues such as:

- Child and family issues.
- Education.
- Environment.
- Health.
- Migration.
- Work.

These issues are approached in a context influenced by the intersection of gender, race, ethnicity, sexuality, location and/or nationality. The program provides a theoretically and methodologically rigorous program that will offer opportunities for skill specialization in research and/or in the management of advocacy-oriented organizations in the nongovernmental sector, domestically and transnationally. Students choose one of two tracks: 1) social justice and human rights research, or 2) non-governmental organization (NGO) management.

The program is structured so current practitioners in NGOs and other nontraditional students are able to complete their degree requirements by spending two semesters on campus and completing the remainder of their degree requirements at their place of work in whatever location or country that may be. The remaining course work can be completed via a summer internship and a semester off campus, to complete the capstone experience in the field. Many students will remain on campus for their entire program of study.

Degree Requirements: 33 credit hours including the required course (JHR 593) and an Applied Project, or 33 credit hours and a Thesis.

The program includes:

- 18 credit hours of core course work.
- Six credit hours of career-oriented track course work.
- Six credit hours of elective course work AND three credit hours of applied project.

OR

- Three credit hours of elective course work AND six credit hours of thesis.

Core Course work (18 credit hours)

JHR 500 Research Methods

JHR 501 Proseminar in Social Justice & Human Rights

JHR 506 Grant Writing for Social Justice & Human Rights

JHR 510 Problem-Based Seminar in Social Justice & Human Rights

JHR 511 Community-Embedded Seminar in Social Justice & Human Rights

JHR 584 Internship

Career-oriented Track (6 credit hours)

In consultation with the program director, each student will select either two management courses or two research courses.

Electives (3-6 credit hours)

In consultation with the program director, each student is required to complete one to two additional courses that fit their program.

Culminating Experience (3-6 credit hours)

Students will complete either JHR 593: Applied Project (3 credit hours) or JHR 599: Thesis (6 credit hours)

Admission Requirements: Applicants must submit an online Graduate College application.

Admission is granted on a competitive basis. To be admitted, candidates must have a four-year bachelor's from a regionally-accredited institution, or foreign equivalent, and must submit the following:

- A personal statement.
- Official transcripts of all undergraduate and graduate course work.
- Official GRE scores.
- Resume.
- Two letters of recommendation.
- Writing sample.

Students whose native language is not English must also achieve a minimum test score of 550 paper-based, 213 computer-based or 83 Internet-based on the Test of English as a Foreign Language (TOEFL), or a minimum overall score of 6.5 on the International English Language Testing System (IELTS).

Completion of an undergraduate research methods or statistics course is recommended, but not required.

The GRE requirement may be waived if the applicant has successfully completed graduate-level coursework.

Deadlines

Fall Semester

Priority: Feb.15
Final: July 15

Contact Information:

Interdisciplinary Arts & Sciences, New College of
School of Social and Behavioral Sciences
<http://newcollege.asu.edu/sbs>
FABN 301J
ellie.ahmann@asu.edu
602-543-6295

Journalism & Mass Communication, Walter Cronkite School of

Journalism and Mass Communication, PHD (CSJMCPHD)

Online Degree Search Title: Journalism and Mass Communication PHD

Campus: DTPHX

Program Description: This program is designed to be a small, student-centered, scholarly, research-oriented Ph.D. in journalism and mass communication. It is based on the following priorities:

- A journalism and mass communication focus that especially considers the postmodern mediascape.
- An interdisciplinary approach that requires course work outside of the Journalism school.
- One-on-one, faculty-student mentoring.
- Program flexibility.

The emphasis of this degree is the creation of scholarly, peer-reviewed, juried presentations in addition to a scholarly dissertation, which caps the student's program of study. It is a degree based in journalism and mass communication philosophy, theory, a variety of scientific methodologies and critical thinking. The proposed program will prepare students for research-oriented careers in journalism and mass communication education and related fields.

Degree Requirements: 84 credit hours, a Written Comprehensive Exam, an Oral Comprehensive Exam, a Prospectus and a Dissertation. Students entering the program with a master's in journalism or mass communication, or a related field, must complete 60 credit hours of course work. Students who are admitted to the program without a master's degree will be required to complete an additional 24 credits of course work.

- Core courses (18).
- Dissertation (12).
- Elective courses (18).
- Previous master's or additional hours approved by the supervisory committee (24).
- Research (12).
- Total credit hours required is 84.

Admission Requirements: Applicants must submit an online Graduate College application.

Applicants must have at least a bachelor's in journalism or mass communication or a related field, such as communication or media. Applicants must complete the Graduate College online application and will normally have achieved a minimum of a 3.00 GPA in their last 60 credit hours of course work in their first bachelor's program.

Applicants from a country whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Contact Information:

Journalism & Mass Communication, Walter Cronkite School of
Walter Cronkite School of Journalism & Mass Comm
<http://cronkite.asu.edu/phd>
CRONK 302
masscomm@asu.edu
602-496-6612

Mass Communication, MMC (CSMCOMMMC)

Online Degree Search Title: Master of Mass Communication (MMC)

Campus: DTPHX, TEMPE

Program Description: The M.M.C. offers basic journalism skills instruction, education in journalism values and instills 21st-century vision and

perspective. Students gain practical hands-on experience in specialties including print, broadcast, strategic media and online journalism. The cornerstones of the graduate program are the Journalism school's specialized experiences:

- Cronkite News Service.
- The Knight Center for Digital Media Entrepreneurship.
- NewsWatch.
- New Media Innovation Lab.
- Projects covering the borderland with Mexico.
- Strategic media experience.

Degree Requirements: 30 credit hours including a Capstone (MCO 570), or 30 credit hours including the required course (MCO 593) and an Applied Project, or 36 credit hours including a Capstone(MCO 570).

The master's program is a full-time, three-semester-long, 36-credit-hour immersion program. Students with extensive professional experience may be offered the opportunity to pursue the 30-credit-hour mid-career option.

Admission Requirements: Applicants must complete an online Graduate College application.

Admission is granted for the fall semester only. The application deadline is Feb. 1. Applicants must meet all deadlines and application requirements to be considered. The Cronkite school's graduate committee reviews complete and on time applications. Recommendations for admission are made to ASU's Graduate College, where the final admission decisions are made.

Applicants must submit:

- ASU's Graduate College requires that all those admitted have at least a 3.00 GPA (based on a 4.00 scale) in the last 60 credit hours or 90 quarter hours of undergraduate course work.
- GRE Testing. The scores on the quantitative and verbal sections of the GRE are required, with the verbal score being particularly important to the Journalism school's graduate committee.
- Test of English as a Foreign Language (TOEFL) scores must be at least 600 for the paper-based examination and 100, Internet-based.
- Three letters of recommendation.
- A personal statement of interest (350-500 words in length).
- A resume.

Contact Information:

Journalism & Mass Communication, Walter Cronkite School of

Walter Cronkite School of Journalism & Mass Comm

<http://cronkite.asu.edu/grad/index.php>

CRONK 222

masscomm@asu.edu

602-496-5055

Law, Sandra Day O'Connor College of

Biotechnology and Genomics, LL.M. (LWGENOMLLM)

Online Degree Search Title: Law - Biotechnology & Genomics (LLM)

Campus: TEMPE

Program Description: The LL.M. in biotechnology and genomics program is offered through the Sandra Day O'Connor College of Law's Center for Law, Science, and Innovation, the nation's oldest, largest and most comprehensive research center focusing on the intersection of law and science. Through classroom instruction and guided independent study, LL.M. candidates will examine the legal issues surrounding genetic applications such as:

- Cloning.
- Forensic evidence.
- Gene testing.
- Gene therapy.
- Genetically modified organisms.
- Stem cells and behavioral genetics.

The issues relate to:

- Business planning.
- Confidentiality.

- Evidentiary standards.
- Intellectual property.
- International trade.
- Liability.
- Licensing.
- Privacy.
- Regulation.

LL.M. students explore and examine the law that enables and constrains the development, control and application of biotechnology and genomics. Relevant legal fields include:

- Agricultural law and policy.
- Health law, particularly public health law.
- Intellectual property.

Forensic science and ethical constraints upon the various contemplated uses are also important elements of the program. Because the legal, ethical and policy aspects of genomics and biotechnology are of global significance, this program will also be beneficial for non-U.S. lawyers. Candidates for an LL.M. degree must have received their JD or comparable terminal law degree from another country.

Degree Requirements:

The program is designed to be completed in nine months on a full-time basis, but may also be pursued on a part-time basis. A degree candidate must complete 24 credit hours of course work to obtain the LL.M. in biotechnology and genomics. A candidate may elect to write a graduate thesis for either three or six credit hours, or can elect not to write a thesis and fulfill the equivalent credits with other course work. Two courses are required, 1) genetics and the law, and 2) biotechnology: science, law and policy.

The remaining credit hours will generally be obtained from the list of elective courses. With faculty advisor approval, a candidate may satisfy up to six credit hours with courses offered by other ASU departments or by law courses that are not included on the approved elective list.

Admission Requirements: Applications are accepted on a rolling basis for fall or spring entry.

Priority deadlines

- Spring entry: November 15
- Fall entry: July 1
- Foreign applicants are encouraged to apply before Nov. 15 (spring semester) and before June 15 (fall semester).

Admission to the program is competitive. In order to be admitted, an applicant must have completed a JD degree or a law degree at a foreign institution that would qualify the applicant to practice law or pursue license to practice in that country and have submitted a complete application to the program. Selection will be based on:

- Academic background and potential.
- Career experience and ambitions.
- Diversity of experience and background.
- Space and resource limitations in the law school.
- Strength of experience related to the program sought and other factors.

For an application to be considered complete, it must include the following:

- The completed LL.M. application form. Applicants are encouraged to apply electronically through <http://www.lsac.org> (<http://www.lsac.org>).
- The required application fee.
- A resume that does not exceed three typed pages.
- A statement of interest that does not exceed 1,250 words: double-spaced, typed pages.
- Transcripts from all institutions attended, including the transcript showing that the bachelor's and law degree were conferred.*
- Two letters of recommendation.*
- A writing sample.

*Transcripts and letters of recommendation or evaluations must be submitted through the Law School Admissions Council's Credential Assembly Service (CAS) and will be provided to the ASU College of Law by LSAC.

Applicants with degrees from foreign institutions must meet ASU Graduate College and College of Law English proficiency requirements.

Contact Information:

Law, Sandra Day O'Connor College of
 Sandra Day O'Connor College of Law
<http://www.law.asu.edu/llm>
 LAW
 llmasu@asu.edu

Indian Law (certificate), CERT (LWLAWGRCI)

Online Degree Search Title: Indian Law Certificate

Campus: TEMPE

Program Description: The Indian law certificate program is designed for students who plan to practice Indian law, particularly students who may be representing tribal communities directly after graduation. To be eligible to pursue the Indian law certificate a student must be enrolled in the Sandra Day O'Connor College of Law and be in good standing. The certificate requires substantive course work, a minimum grade requirement, practice experience in Indian law and the College of Law graduation writing requirement written on an Indian law topic. Transfer applicants may be admitted to the certificate program if they otherwise meet the admissions standards of the Sandra Day O'Connor College of Law.

Degree Requirements:

The certificate requires a minimum of 21 hours of substantive work in Indian law and related fields. The following courses are required:

- Advanced legal research and writing.
- At least one other course, approved by the executive director, that primarily addresses core Indian law issues.
- Federal Indian Law I.
- Federal Indian Law II.
- Indian law seminar.

Other credits must come from a list of approved law electives or non-law electives approved by the executive director. Students pursuing the certificate must also complete a practice experience in Indian law (the Indian law clinic or other executive director-approved experience) and the senior thesis requirement. Students must receive a grade of "75" or above, "C" (2.00) or above or a "pass" in each course used to fulfill the Indian law certificate requirements.

More specific requirements for completion of the Indian Law Certificate can be found on the College of Law website.

Admission Requirements: Students wishing to pursue the Indian law certificate must be enrolled in the JD program at the Sandra Day O'Connor College of Law and must be in good standing. Specific requirements for the Indian law certificate program can be found at the college's website.

Contact Information:

Law, Sandra Day O'Connor College of

Sandra Day O'Connor College of Law

<http://www.law.asu.edu/>

LAW

ann.m.downes@asu.edu

480-727-0616

Juris Doctor of Law, JD (LWJDJD)

Online Degree Search Title: Juris Doctor (JD)

Campus: TEMPE

Program Description: The Juris Doctor degree program offers a particularly large selection of courses with many options for interdisciplinary study with other departments on campus. Students will find the opportunity to take classes with a more traditional, theoretical focus and to take advantage of many options that focus on the development of practice skills. The college hosts:

- The Center for Law and Global Affairs.
- The Center for Law, Science & Innovation.
- The Diane Halle Center for Family Justice.
- The Indian Legal Program.

Degree Requirements:

Satisfactory completion of the course of study offered by the College of Law leads to the Juris Doctor degree. To be eligible for the JD, a student must satisfy all the following:

- Admission to the college as a candidate for the degree and satisfaction of any conditions imposed at the time of admission or prior to graduation during the course of law study.
- All 88 credits required for graduation must be earned at the ASU Sandra Day O'Connor College of Law unless prior approval by the dean's designee is granted (per college policies).
- A maximum of 12 credits of externship work and a maximum of seven credits of independent study can be counted toward the 88 credits required for graduation.
- Completion of all required first-year courses, professional responsibility and either constitutional law II or criminal procedure.

- Completion of the degree requirements no earlier than 24 months and no later than 84 months after commencing study at the law school or a law school from which the school has accepted transfer credit. A transfer student must complete the work of at least three semesters in the ASU Sandra Day O'Connor College of Law immediately preceding the granting of a degree.

- No more than four credit hours of "D" (1.00 on a 4.00 scale) grade work after the first year can be applied toward the 88 hours.
- Satisfaction of the graduation writing requirement (per college policies).
- Satisfaction of the professional skills requirement (per college policies).
- Satisfaction of the flexible writing requirement (per college policies).
- Successful completion of a minimum of 88 hours of academic credit of which 72 must be graded with a cumulative weighted average of "C" (2.00 on a 4.00 scale) or better.
- A maximum of 26 credits from the following list can be counted toward the 88 credits necessary for graduation: externships, independent studies, credits taken outside the law school under College of Law policy IX A, credits received for journal work, credits received for moot court, credits received for teaching assistantships, credits received from courses without regularly scheduled meetings, credits received for any clinic other than the civil justice clinic, the immigration law and policy clinic, the Indian legal clinic, the innovation advancement clinic, the mediation clinic and the post conviction clinic.
- A maximum of 38 transfer credits can be counted toward the 88 credits required for graduation.

Admission Requirements: The Sandra Day O'Connor College of Law at Arizona State University enrolls only one first-year, Juris Doctor class per year, and it enters in the fall semester. The program is a three-year program, and almost all students study on a full-time basis. The college does offer a flexible scheduling option for students with circumstances that make full-time enrollment impossible. Each year, far more applications are submitted to the Sandra Day O'Connor College of Law than the college's facilities and programs can accommodate. Thus, admission is competitive. The College of Law makes its admissions decisions based upon all information contained in the applicant's file.

To be considered for admission to the JD program, an applicant must 1) have taken the LSAT, and 2) have earned, or expect to earn by the time of enrollment in law school, a bachelor's from an accredited, four-year college or university. Further, a candidate must complete the application for admission and submit all mandatory attachments. Transcripts and letters of recommendation or evaluations must be submitted through the Law School Admissions Council's Credential Assembly Service (CAS) and will be provided to the College of Law by LSAC with the applicant's LSAT record. Applicants are encouraged to apply electronically through <http://www.lsac.org> (<http://www.lsac.org/>).

The Sandra Day O'Connor College of Law will provide full file review to 100 percent of the completed applications to the JD program. While the applicant's undergraduate record and LSAT score are important predictors, no decision will be made on objective criteria alone. Among the other factors considered by the admissions committee are:

- Ability to communicate.
- Demonstrated commitment to public service.
- Diversity of experience and background.
- Exceptional personal talents.
- Extracurricular or community activities.
- Foreign language proficiency.
- Geographic diversity.
- Graduate study.
- History of overcoming economic or other disadvantage.
- Honors and awards.
- Leadership experience.
- Maturity.
- Overcoming disability.
- Personal experiences with discrimination.
- Publications.
- Service in the Armed Forces.
- The rigor of the undergraduate course of study.
- Work experience.

Application deadlines are as follows:

- Early admission (non-binding): Nov. 15.
- Regular admission: Feb. 1.

For an application to be considered complete, it must include the following:

- A complete Credential Assembly Service (CAS) report, with all transcripts and letters of recommendation or evaluations. The CAS report must be from the current application year.
- The completed application, including explanations for affirmative answers to conduct/character and fitness questions.
- Law School Admissions Test (LSAT) score(s) from LSAC.
- A personal statement that does not exceed two double-spaced, typed pages.
- The required application fee.
- A resume that does not exceed three typed pages.

Applicants with degrees from foreign institutions must meet ASU Graduate College and College of Law English proficiency requirements.

Contact Information:

Law, Sandra Day O'Connor College of
Sandra Day O'Connor College of Law
<http://www.law.asu.edu>
LAW
law.admissions@asu.edu
480-965-1474

Law, Science, & Technology (certificate), CERT (LWLAWSTCE)

Online Degree Search Title: Law, Science, and Technology Certificate

Campus: TEMPE

Program Description: The law, science and technology certificate program is for students with science and technology interests and is limited to students pursuing a JD at the Sandra Day O'Connor College of Law.

The program allows for specializations in the areas of:

- Environmental law.
- Genomics and biotechnology law.
- Health law.
- Intellectual property.
- Law and psychology.

Degree Requirements:

Program requirements for the law, science and technology certificate include the following:

- Each student is encouraged to actively participate in the events (speaker, conferences, symposia) sponsored by the Center for Law, Science and Innovation and to participate in at least one approved activity for two semesters.
- Each student must satisfy their graduation writing requirement on a topic related to law, science and technology. The paper must meet all of Sandra Day O' Connor College of Law's requirements for a graduation writing requirement and must be supervised by a center fellow.
- A minimum cumulative grade average of at least 83 is required for those courses that satisfy the substantive course work requirements of the certificate. Courses used to satisfy the core or specialization requirements may not be taken for pass/fail credit. A student may take one elective course on a pass/fail basis.
- Students have the option of pursuing a specialization within the certificate. The specialization areas are intellectual property, health law, environmental law, genomics and biotechnology law, and law and psychology. For students pursuing the specialization option, four courses within the area of specialization are required and the core course requirement is reduced from two to one.
- Substantive course work in law, science and technology subjects for a minimum of seven courses, earning at least 16 credit hours, at the Sandra Day O' Connor College of Law. Two courses are chosen from the designated core courses and five courses are chosen from a list of elective courses.

Additional details of the program requirements for the law, science and technology certificate can be found in the Sandra Day O' Connor College of Law Statement of Student Policies.

Admission Requirements: Students wishing to pursue the law, science and technology certificate must be enrolled in the JD program at the Sandra Day O'Connor College of Law and be in good standing.

Specific requirements for admission to the law, science and technology certificate program can be found on the college website.

Contact Information:

Law, Sandra Day O'Connor College of
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LAW
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480-965-5386

Laws, LL.M. (LAWLAWSLLM)

Online Degree Search Title: Laws (LLM)

Campus: TEMPE

Program Description: The LL.M. program allows one year of post-JD study tailored to the scholarly and practice interests of participating students.

Concentrations are available in a variety of areas in which the law school holds particular strength. Alternatively, U.S. attorneys and international attorneys may design their own customized LL.M. to complement their practice interests.

Degree Requirements:

The LL.M. program requires 24 credit hours. Required courses will depend on the student's particular concentration of the degree. International students will be required to take 1) U.S. Law and Legal Analysis (three credits), and 2) Professional Legal Writing (three credits). A candidate may elect to write a graduate thesis for either three or six credit hours, or can instead elect not to write a thesis and fulfill the equivalent credits with other course work. The remaining credit hours will generally be obtained from the list of elective courses. With faculty advisor approval, a candidate may satisfy up to six credit hours with courses offered by other ASU departments or by law courses that are not included on the approved elective list.

Admission Requirements: The Sandra Day O'Connor College of Law offers several LL.M. programs for students who have already completed a law degree within the U.S. or abroad. Applications are accepted on a rolling basis for fall or spring entry.

Priority Deadlines

- Spring entry: Nov. 15
- Fall entry: July 1
- Foreign applicants are encouraged to apply before November 15 (spring semester) and June 15 (fall semester) due to visa considerations.

Admission to the program is competitive. To be admitted, an applicant must have completed a JD or a law degree at a foreign institution that would qualify the applicant to practice law or pursue license to practice in that country and have submitted a complete application to the program. Selection will be based on academic background and potential, diversity of experience and background, career experience and ambitions, strength of experience related to the program sought, space and resource limitations in the law school, and other factors.

For an application to be considered complete, it must include the following:

- The completed LL.M. application form. Applicants are encouraged to apply electronically through <http://www.lsac.org> (<http://www.lsac.org>).
- The required application fee.
- A resume that does not exceed three typed pages.
- A statement of interest that does not exceed 1,250 words: double-spaced, typed pages.
- Transcripts from all institutions attended, including the transcript showing that the bachelor's degree and law degree were conferred.*
- Two letters of recommendation.*
- A writing sample.

*Transcripts and letters of recommendation or evaluations must be submitted through the Law School Admissions Council's Credential Assembly Service (CAS) and will be provided to the ASU College of Law by LSAC.

Applicants with degrees from foreign institutions must meet ASU Graduate College and College of Law English proficiency requirements.

Contact Information:

Law, Sandra Day O'Connor College of
Sandra Day O'Connor College of Law
<http://law.asu.edu/llm>
LAW 101
llmasu@asu.edu
480-965-1474

Laws (Global Legal Studies), LL.M. (LAWLGLPLLM)

Online Degree Search Title: Laws - Global Legal Studies (LLM)

Campus: TEMPE

Program Description: The LL.M. program allows one year of post-JD study tailored to the scholarly and practice interests of participating students. Concentrations are in a variety of areas in which the law school holds particular strength. The concentration in global legal studies is designed in coordination with the College of Law's Center for Law and Global Affairs. The program draws on the unique focus of the center and our faculty's wide range of international and transnational legal expertise in global health, the environment, human rights, trade and emerging technologies. The program emphasizes interdisciplinary study and links rigorous legal training with the research and scholarship drawn from political science, policy studies, anthropology and sustainability. Students in this program will have the opportunity to practice empirical research and work on center research initiatives in public-private governance, global health, human rights indicators, transitional justice and human trafficking.

Degree Requirements:

The program is designed to be completed in one academic year (nine months) on a full-time basis, but may also be pursued on a part-time basis. A degree candidate must complete 24 credit hours of course work. A candidate may elect to write a graduate thesis for either three or six credit hours, or can instead elect not to write a thesis and fulfill the equivalent credits with other course work. Required course work includes two of the following courses:

- International business transactions.
- International human rights law.

- International institutions and global governance.
- Public international law.

The remaining credit hours will generally be obtained from the list of elective courses in international law. International students will be required to take 1) U.S. Law and Legal Analysis (three credits), and 2) Professional Legal Writing (three credits).

Admission Requirements: The Sandra Day O'Connor College of Law offers several LL.M. programs for students who have already completed a law degree within the U.S. or abroad. Applications are accepted on a rolling basis for fall or spring entry.

Priority Deadlines

- Spring entry: Nov. 15
- Fall entry: July 1
- Foreign applicants are encouraged to apply before Nov. 15 (spring semester) and before June 15 (fall semester), due to visa considerations.

Admission to the program is competitive. To be admitted, an applicant must have completed a JD or law degree at a foreign institution that would qualify the applicant to practice law or pursue license to practice in that country and have submitted a complete application to the program. Selection will be based on academic background and potential, diversity of experience and background, career experience and ambitions, strength of experience related to the program sought, space and resource limitations in the law school, and other factors.

For an application to be considered complete, it must include the following:

- The completed LL.M. application form. Applicants are encouraged to apply electronically through <http://www.lsac.org> (<http://www.lsac.org>).
- The required application fee.
- A resume that does not exceed three typed pages.
- A statement of interest that does not exceed 1,250 words: double-spaced, typed pages.
- Transcripts from all institutions attended, including the transcript showing that the bachelor's degree and law degree were conferred.*
- Two letters of recommendation.*
- A writing sample.

*Transcripts and letters of recommendation or evaluations must be submitted through the Law School Admissions Council's Credential Assembly Service (CAS) and will be provided to the ASU College of Law by LSAC.

Applicants with degrees from foreign institutions must meet ASU Graduate College and College of Law English proficiency requirements.

Contact Information:

Law, Sandra Day O'Connor College of
 Sandra Day O'Connor College of Law
<http://law.asu.edu/llm>
 LAW 101
 llmasu@asu.edu
 480-965-1474

Legal Studies, MLS (LWLGSMLEGS)

Online Degree Search Title: Law - Legal Studies (MLS)

Campus: TEMPE

Program Description: The M.L.S. is a unique, 30-credit-hour graduate program offered to established professionals or academicians whose work intersects with the law, but who do not want to become an attorney. Students learn the foundations of U.S. law and study the process of legal analysis in the context of the cases, laws and regulations related to their specific career interests. With approximately 12 credits of required course work, students choose the remaining 18 credits of electives to customize their studies to the area of law relevant to their current career.

Note: Pursuant to American Bar Association (ABA) standards, no law credits completed prior to admission to a JD program, including credits earned in the M.L.S. program, may be transferred to a future JD program under any circumstances.

Degree Requirements:

The program consists of 30 credit hours of approved study. The degree can be completed on a full-time or part-time basis. M.L.S. students are required to take 1) U.S. Law and Legal Analysis (3 credit hours), and 2) Professional Legal Writing (3 credit hours).

Students are required to choose at least two of the following basic foundational courses:

- Constitutional Law (3).
- Contracts (4).
- Criminal Law (3).
- Property (3).
- Torts (4).

The remainder of the credits are electives. Elective course selection will be flexible, to accommodate the diversity of intellectual and professional interests the program is intended to serve.

Admission Requirements: The Sandra Day O'Connor College of Law offers the M.L.S. program for students who do not wish to practice law, but believe that education in the law would be beneficial to their advancement in their careers or in other fields.

Priority deadlines

- Spring entry: Nov. 15.
- Fall entry: July 1.

Admission to the program is competitive. In order to be admitted, an applicant must have completed a bachelor's from an accredited four-year college or university in the United States or attained a comparable degree from a foreign institution and have submitted a complete application to the program. Selection will be based on a variety of factors, including academic background and potential, diversity of experience and background, career experience and ambitions, space and resource limitations in the law school, and other factors.

For an application to be considered complete, it must include the following:

- The completed M.L.S. application form.
- The required application fee.
- A resume that does not exceed three typed pages.
- A statement of interest that does not exceed 1,250 words: double-spaced, typed pages.
- Transcripts from all institutions attended, including the transcript showing that the bachelor's degree was conferred.
- Two letters of recommendation.
- A writing sample.

Applicants with degrees from foreign institutions must submit transcripts to World Education Services (WES) (www.wes.org (<http://www.wes.org>)) and meet ASU Graduate College and College of Law English proficiency requirements.

Contact Information:

Law, Sandra Day O'Connor College of
Sandra Day O'Connor College of Law
<http://www.law.asu.edu/mls>

LAW
mlsas@asu.edu
480-965-1474

Tribal Policy, Law and Government, LL.M. (LWTBLMLAWS)

Online Degree Search Title: Law - Tribal Policy, Law, and Government (LLM)

Campus: TEMPE

Program Description: The LL.M. in tribal policy, law and government is designed for lawyers and law school graduates who desire to work on issues related to tribal law and federal Indian law at the professional and academic levels. The Sandra Day O'Connor College of Law is a leading institution in producing graduates specializing in Indian law. The College of Law is also home to the nationally known Indian Legal Program which was established in 1988.

The LL.M. program provides students with a detailed understanding of the nature of tribal government, law and policy development within the domestic federal structure. Candidates will benefit from the extensive resources committed to the Indian legal program, including a director and staff and an Indian law clinic with its own full-time director and staff.

The core curricular offerings focus on domestic tribal law, federal Indian law, and American institutions of law and government. The program explores the expression of domestic law within contemporary administrative, governmental and judicial institutions.

ASU is located in the heart of the Southwestern U.S., home to roughly one-third of the native population in the U.S. and where many of the largest Indian nations in the country are located. It is the academic home for several nationally known scholars who do research on American Indian issues, and houses many unique resources for such scholarship, including the Labriola Collection at Hayden Library.

Degree Requirements:

The program is administered by the Indian Legal Program and is oriented toward students who seek practical experience in tribal law and federal Indian law. It provides intensive instruction to students who graduated from a law school that had few or no courses in Indian law and who now seek to practice in these areas at a professional level. This degree requires a minimum of 24 credit hours of study. A thesis is not required.

Students will immerse themselves in the study of tribal law and federal Indian law and will apply the knowledge and experience they gain through the practical component of the degree program which may consist of:

- Research projects for tribal courts and governments.
- State, tribal and federal court practice.
- Tribal code drafting.

Graduates will be well equipped for professional positions that require knowledge and expertise in tribal law and federal Indian law. Students have the option of pursuing the degree on a part-time basis.

Admission Requirements: Applications are accepted on a rolling basis for fall or spring entry.

Priority Deadlines

- Spring entry: Nov. 15
- Fall entry: July 1

Admission to the program is competitive. In order to be admitted, an applicant must have 1) completed a JD degree or law degree at a foreign institution that would qualify the applicant to practice law or pursue license to practice in that country, and 2) have submitted a complete application to the program. Selection will be based on:

- Academic background and potential.
- Career experience and ambitions.
- Diversity of experience and background.
- Space and resource limitations in the law school.
- Strength of experience related to the program sought, and other factors.

For an application to be considered complete, it must include the following:

- The completed LL.M. application form. Applicants are encouraged to apply electronically through <http://www.lsac.org> (<http://www.lsac.org>).
- The required application fee.
- A resume that does not exceed three typed pages.
- A statement of interest that does not exceed 1,250 words: double-spaced, typed pages.
- Transcripts from all institutions attended, including the transcript showing that the bachelor's degree and law degree were conferred.*
- Two letters of recommendation.*
- A writing sample.

*Transcripts and letters of recommendation or evaluations must be submitted through the Law School Admissions Council's Credential Assembly Service (CAS) and will be provided to the ASU College of Law by LSAC.

Applicants with degrees from foreign institutions must meet ASU Graduate College and College of Law English proficiency requirements.

Contact Information:

Law, Sandra Day O'Connor College of
Sandra Day O'Connor College of Law
<http://www.law.asu.edu/lm>
LAW
lmasu@asu.edu
480-965-1474

Letters & Sciences, School of

Applied Ethics and the Professions (Science, Technology and Ethics), MA (LAAEPSEEMA)

Online Degree Search Title: Applied Ethics (Science, Tech, and Ethics) MA

Campus: DTPHX, TEMPE

Program Description: The science, technology and ethics concentration of the applied ethics and the professions degree focuses on the ethical issues arising from the multiple challenges involved in balancing economic, technological, environmental, social and cultural development in a world increasingly affected by science and technology. It provides the student with a general background in ethics and ethical systems with an emphasis on ethical issues in science and technology, as well as exposing students to new challenges posed by rapidly evolving sociotechnical systems in such areas as:

- Energy, environment and development.
- Genetic engineering and biotechnology.
- Information and communication technology.
- Nanotechnology.
- Risk assessment.
- Technology and security.

Degree Requirements: 30 credit hours including the required course (AEP 593) and an Applied Project.

Course work is distributed as follows:

- Required Core Course (AEP 501 Foundations of Ethics, Online) (3).

- Required Course in Concentration (HSD 598 Science, Technology and Ethics) (3).
- Electives from concentration courses (18).
- Required capstone course (AEP 593 Applied Project) (6).

Admission Requirements: General admission requirements are as follows:

- All documentation must be submitted electronically via the ASU Graduate College online application.
- 3.00 or higher undergraduate GPA.
- Résumé.
- Personal statement of interest and qualification.
- Two letters of recommendation.
- International students: TOEFL score or comparable proof of English Proficiency.

No GRE is required.

Contact Information:

Letters & Sciences, School of
 School of Letters and Sciences
http://lincolncenter.asu.edu/students_MADegree
 SANCA 250D
 joseph.herkert@asu.edu
 480-727-1548

Behavioral Health, DBH (LSBEVHEDBH)

Online Degree Search Title: Behavioral Health (DBH)

Campus: DTPHX, ONLNE

Program Description: The D.B.H. prepares behavioral clinicians to provide integrated behavioral care in primary care and other medical settings. The D.B.H. is an upgrade for master's-level clinicians who are interested in working at a doctoral level in primary care. Primary care patients can have untreated behavioral conditions that can result in poor clinical outcomes and increased medical costs related to overuse of medical services. Behavioral interventions in primary care have demonstrated improved clinical outcomes and decreased medical costs. A key recommendation in health care reform is improved integration of medical and behavioral care. Traditional doctoral training does not prepare clinicians with the interdisciplinary knowledge required in integrated care. Programs continue to graduate clinicians into private-practice settings not aligned with medical providers. The D.B.H. program reflects a paradigm shift to a curriculum based on:

- Business entrepreneurship skills, such as writing a business plan, marketing and return on investment specific to health care.
- Evidence-based behavioral interventions for primary care that are efficient and contribute to cost savings by reducing unnecessary medical care services and costs.
- Health care systems, policy, economics and finance, to respond to emerging opportunities in health care reform.
- Medical literacy, to understand common medical conditions seen in primary care and consult effectively with the medical team.

The D.B.H. curriculum is unique in that it:

- Incorporates practicum experience in primary care settings.
- Integrates clinical and professional affiliated faculty as well as faculty associates who are experts and are directly employed in health care environments in the area that they are teaching.
- Is a cohort-based, accelerated program that enables students already holding a clinical master's degree to complete the D.B.H. in 18 months (part-time enrollment is also available).
- Is available through ASU Online as a distance-learning program.
- Replaces the dissertation with a clinically focused culminating research project.

Focused clinical internship experiences are arranged with preceptors and administrators in the student's local health care setting. Rural health and experiences with disadvantaged and multicultural populations are encouraged. Graduates of the D.B.H. program will contribute to a societal transformation by leading to improved access to behavioral care, integration of a behavioral provider on the medical team, improved patient outcome and satisfaction, and decreased cost of care.

Degree Requirements: 84 credit hours including the required course (IBC 793), and an Applied Project.

- Core course requirements (27).
- Elective courses (18).
- Internship and culminating experience (9).
- Previously awarded master's degree or other courses approved by the supervisory committee (30).

Admission Requirements: All applicants must 1) submit a Graduate College application, and 2) possess a bachelor's degree and a master's degree from a regionally accredited postsecondary institution in the U.S., or an equivalent degree from a recognized international postsecondary institution.

Applicants must have a minimum of a 3.00 GPA calculated on the last 60 credit hours of their first bachelor's degree.

All applicants from countries whose native language is not English must meet university and degree program English proficiency requirements.

Contact Information:

Letters & Sciences, School of

School of Letters & Sciences

<http://sls.asu.edu/>

NHI 1

dbh@asu.edu

602-496-1354

Counseling, MC (EDCOUNMC)

Online Degree Search Title: Counseling (MC)

Campus: TEMPE

Program Description: The mission of the M.C. program is to prepare students to become professional mental health counselors or school counselors, culturally competent to work with diverse clientele in a variety of mental health settings in Arizona and other states. Clinical mental health counselors seek to prevent or treat psychological problems and to promote the health of individuals, families, groups and organizations in a multicultural and diverse society. The M.C. program was designed according to the standards for clinical mental health and school counseling set by the Council for the Accreditation of Counseling and Related Educational Programs.

The faculty has endorsed the multicultural counseling competencies of the American Counseling Association, the guidelines on multicultural education, training, research, practices and organizational change for psychologists, and the guidelines for psychotherapy with lesbian, gay and bisexual clients of the American Psychological Association.

Degree Requirements: 60 credit hours and a Thesis, or 60 credit hours and a Written Comprehensive Exam.

The program can be completed in no less than two years. Most students can complete the program in two to three years. The program is not designed to be a part-time program.

The practitioner option places considerable emphasis on supervised field experiences. A comprehensive exam is required to complete this option.

The research option places considerable emphasis on developing research competencies, in addition to supervised field experience. Successful completion of a master's thesis is required in this option.

The school counseling option provides added training in issues related to counseling in the schools (K-12 education). Considerable emphasis is placed on supervised experience in the schools.

Admission Requirements: Applicants to this program must:

- Submit the online Graduate College application.
- Be graduates of accredited higher education institutions.
- Meet the Graduate College requirements for admissions (e.g., minimum 3.00 junior/senior GPA and English language proficiency).
- Submit a three- to five-page personal statement (see below).
- Submit three recommendation forms (see below).
- Take the verbal and quantitative sections of the GRE. The test must be retaken if scores are more than five years old.

Nonacademic/Professional/Life Experiences

Applicants are required to submit a three- to five-page personal statement that will include information on significant life experiences, professional experiences, personal attributes, personal and professional goals, and other information that will assist the faculty in evaluating the applicant.

Recommendations

Three recommendation forms are to be submitted. These should be completed by persons able to evaluate the applicant's academic potential, professional experience and personal attributes.

All application materials must be submitted by January 15 to ensure consideration for admission the following fall semester.

For more information, visit the school's website.

Contact Information:

Letters & Sciences, School of

School of Letters and Sciences

<http://sls.asu.edu/cp/mc/>

EDB 446

ccp@asu.edu

480-965-8733

Counseling Psychology, PHD (EDCPSYPHD)

Online Degree Search Title: Counseling Psychology (PhD)

Campus: TEMPE

Program Description: The doctoral program in counseling psychology closely adheres to the scientist-practitioner training model in preparing graduates for employment in academic and service delivery settings. Although faculty interests are diverse, there is a common emphasis on empirical data as the basis for professional practice. The faculty has endorsed the multicultural counseling competencies of the American Counseling Association, the guidelines on multicultural education, training, research, practices and organizational change for psychologists, and the guidelines for psychotherapy with lesbian, gay and bisexual clients of the American Psychological Association (APA).

The program is committed to the scientist-practitioner model. One manifestation of that commitment is the three complementary functions of the program's counselor training center, namely service delivery, clinical training, and research. Research foci include (but are not limited to):

- At-risk populations.
- Career development.
- Multiculturalism.
- Positive psychology.
- Process/outcome in therapy.
- Supervision.

Degree Requirements: 113 credit hours, a Written Comprehensive Exam, a Prospectus and a Dissertation.

Our doctoral curriculum typically requires three to five years of full-time graduate study, plus a yearlong internship in an APA-approved setting. Each of these years involves course work pertaining to theory, research and practices in counseling psychology. Students are expected to maintain full-time status. Full-time status involves being registered for at least nine credits per semester in the course work years. This requirement applies only to the academic year and not summer sessions. At a minimum, students are required to complete two years of course work in residence at ASU.

Admission Requirements: Applicants to doctoral study in counseling psychology must first submit 1) a Graduate College application, and 2) GRE scores (which can be no older than five years). If your native language is not English (regardless of where you may now reside), you must provide proof of English proficiency. The following supplemental materials are required by the counseling psychology program:

- A brief personal statement (600 words or less) describing your history, your academic and professional goals, and your reasons for selecting the counseling psychology program at ASU.
- A completed biographical information form.
- A seven-page sample of your expository writing (e.g., taken from a paper you have prepared for a course or a report on a project you have completed in our field).
- Three letters of recommendation. We prefer that two of these letters be from persons familiar with your academic work.

All application materials must be submitted by Dec. 15 in order to ensure consideration for admission the following fall semester.

For more information, visit the school's website.

Contact Information:

Letters & Sciences, School of
School of Letters and Sciences

<http://sls.asu.edu/>

EDB 446

ccp@asu.edu

480-965-8733

Global Technology and Development, MS (LSGTDMS)

Online Degree Search Title: Global Technology and Development MS

Campus: DTPHX, ONLNE, POLY, TEMPE

Program Description: The M.S. in global technology and development is a program in international social, economic and political development that highlights the variable of technology in these development processes and analyzes change within the context of the current era of globalization. One of the central concerns addressed in the program is the global disparity in wealth and access to resources and basic needs, both between and within countries. Students are encouraged to pursue unique research questions in the developed or the developing worlds, which engage them in social science research on issues related to technology and human socioeconomic and political development. Students take theoretical, research, policy and regional studies courses to prepare for the master's culminating experience requirement of a thesis, applied project or comprehensive examination, depending upon the interests and goals of each student.

Degree Requirements: 30 credit hours including the required course (GTD 593) and an Applied Project, or 30 credit hours, a Written Comprehensive Exam and an Oral Comprehensive Exam.

core credit hours (12)

elective credit hours (12)
comprehensive exam or thesis or applied project (6)

Admission Requirements: All applicants must complete the Graduate College online application. A bachelor's degree from a regionally accredited college or university recognized by ASU is required, in related fields such as political science, international relations, sociology, anthropology, economics, business, education, technology, engineering, life sciences, foreign languages or literature (i.e., topics related to global development, culture, and/or socioeconomic institutions)

Minimum of a 3.00 cumulative GPA (scale is 4.00=A) in the last 60 hours of the program.

A TOEFL score is required from any applicant whose native language is not English. Please visit

http://graduate.asu.edu/admissions/international/english_proficiency (http://graduate.asu.edu/admissions/international/english_proficiency) for more information.

Contact Information:

Letters & Sciences, School of
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<http://sls.asu.edu/gtd/index.html>
INTDS 366
gary.grossman@asu.edu
480-727-9533

Technical Communication, Post-Baccalaureate (certificate), CERT (LSTECGRCT)

Online Degree Search Title: Technical Communication, Post Baccalaureate Certificate

Campus: DTPHX

Program Description: Through the technical communication program, students learn how to produce and communicate technical information, using traditional and digital technologies.

Degree Requirements:

The post-baccalaureate certificate requires 18 hours, including the following classes:

TWC 501 Principles of Technical Communication

Choose two of the following courses:

TWC 511 Principles of Visual Communication

TWC 521 Principles of Writing with Technology

TWC 531 Principles of Technical Editing

Choose three other 500-level TWC courses, of which at least two of which must be genre or information courses, such as TWC 543 Proposal Writing or TWC 552 Information in the Digital Age.

Admission Requirements: This is an undergraduate certificate. Students must have completed a bachelor's degree prior to pursuing this certificate. Students must use the Graduate College application to apply as non-degree seeking students.

For U.S. Department of Education Gainful Employment Program Disclosure information, see

http://catalog.asu.edu/files/shared/GE_Disclosure_ECTWCGRCT.pdf (http://catalog.asu.edu/files/shared/GE_Disclosure_ECTWCGRCT.pdf).

Contact Information:

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<http://sls.asu.edu/>
SANCA 233
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Liberal Arts & Sciences, College of

African Studies (certificate), CERT (LAAFRICACE)

Online Degree Search Title: African Studies (Grad Certificate)

Campus: TEMPE

Program Description: The graduate certificate in African and African diaspora studies is an interdisciplinary program with four areas of emphasis:

- African diaspora studies.
- African studies.
- Comparative studies.

- Women and gender in African and African diaspora studies.

These areas of emphases provide students with access to an extensive range of information and systematic knowledge committed to the new model of African and African diaspora studies that focuses on the intersections of race, culture and gender with interdisciplinary perspectives. The required course, AFR 500 RM: Theory and Methods, offers students an overview of the focus and explicates relevant methodologies and theories. This required course, along with the courses within the areas of emphasis and the capstone course, complete the certificate. As this certificate program offers students an international dimension to the study of peoples and cultures of African descent, students will invigorate their knowledge about global issues and further expand their research pursuits. This certificate program characterizes the faculty members' intellectual and research strengths and the curriculum's interdisciplinary strategies and research approaches that highlight the continuities and disjuncture of history and experiences throughout Africa and the diaspora.

Degree Requirements: 18 credit hours.

The certificate program requires:

AFR 500 RM: Theory and Methods (3)

Capstone project (3)

Elective (3)

Emphasis courses* (9)

* Students select one of four emphases after consulting with certificate director.

Admission Requirements: Applicants must submit the Graduate College online application. Admission to the graduate certificate in African and African diaspora studies program is open to any student who has completed a bachelor's degree at an accredited U.S. institution or equivalent. Students who are regularly admitted to a graduate degree program may pursue the certificate in tandem with their degree program. Students who are not regularly admitted to a graduate degree program may still pursue the certificate.

Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Contact Information:

Liberal Arts & Sciences, College of

School of Social Transformation

<http://aaas.clas.asu.edu/>

WILSN 140

aframstu@asu.edu

480-965-4399

American Indian Studies (Cultural Resource Revitalization and Sustainability), MS (LAAISCMS)

Online Degree Search Title: American Indian Studies (Cultural Resource Revitalization and Sust) MS

Campus: TEMPE

Program Description: The M.S. in American Indian studies is an interdisciplinary program that will result in an intellectual and practical understanding of the issues facing American Indian populations and the ability to apply that knowledge and resultant problem-solving skills in a range of professional arenas including governmental, private, and nonprofit agencies. Focus will be on languages, cultures, arts, histories, legal policy, and education from an American Indian studies perspective. Delivery will be mainly through in-person and online courses. Students may select a thesis (research) or non-thesis (professional) option. Thesis students will be involved in a major research project under the direction of their faculty advisors, culminating in a thesis. This is the option students should select if they have an interest in a research-oriented position within an organization or agency, or wish to pursue a doctorate degree. Non-thesis students will complete a research project that identifies and addresses an applied problem or issue relevant to a partner agency/organization under the direction of their faculty advisors. This is the option students should select if they are interested in a leadership and managerial level position within an organization or agency. The required core classes emphasize knowledge and skills all graduates must have. Concentrations and electives are designed so students can concentrate in the areas of visual and oral culture, indigenous rights and social justice, cultural resource revitalization and sustainability or tribal leadership and governance. Depending on the option chosen, students will complete either a thesis or a practicum. Both are research projects, but the practicum is more applied in nature. The cultural resource revitalization and sustainability concentration will explore the development and implementation of American Indian-focused cultural resources management processes and analyze how policies and laws can improve or hinder the protection of American Indian cultural and funerary patrimony.

Degree Requirements: 30 credit hours and a Thesis, or 30 credit hours including the required course (AIS 580) and an Applied Project.

core credit hours (9)

concentration credit hours (9)

elective credit hours (6)

AIS 599 or AIS 580 thesis or applied project (6)

Admission Requirements: The minimum requirement for admission is a bachelor's degree (or equivalent) or a graduate degree from a regionally accredited college or university of recognized standing in a related field such as history, justice study, sociology, ethnic studies, anthropology, political science or education.

A TOEFL score is required from any applicant whose native language is not English. Please visit

http://graduate.asu.edu/admissions/international/english_proficiency (http://graduate.asu.edu/admissions/international/english_proficiency) for more information.

Contact Information:

Liberal Arts & Sciences, College of

American Indian Studies Program

<http://americanindian.clas.asu.edu>

DISCOVERY 356

ais@asu.edu

480-965-3634

American Indian Studies (Indigenous Rights and Social Justice), MS (LAAISIMS)

Online Degree Search Title: American Indian Studies (Indigenous Rights and Social Justice) MS

Campus: TEMPE

Program Description: The M.S. in American Indian studies is an interdisciplinary program that will result in an intellectual and practical understanding of the issues facing American Indian populations and the ability to apply that knowledge and resultant problem-solving skills in a range of professional arenas including governmental, private, and nonprofit agencies. Focus will be on languages, cultures, arts, histories, legal policy, and education from an American Indian studies perspective. Delivery will be mainly through in-person and online courses. Students may select a thesis (research) or non-thesis (professional) option. Thesis students will be involved in a major research project under the direction of their faculty advisors, culminating in a thesis. This is the option students should select if they have an interest in a research-oriented position within an organization or agency, or wish to pursue a doctorate degree. Non-thesis students will complete a research project that identifies and addresses an applied problem or issue relevant to a partner agency/organization under the direction of their faculty advisors. This is the option students should select if they are interested in a leadership and managerial level position within an organization or agency. The required core classes emphasize knowledge and skills all graduates must have. Concentrations and electives are designed so students can concentrate in the areas of visual and oral culture, indigenous rights and social justice, cultural resource revitalization and sustainability or tribal leadership and governance. Depending on the option chosen, students will complete either a thesis or a practicum. Both are research projects, but the practicum is more applied in nature. The indigenous rights and social justice concentration will explore the historical dimensions of colonization on American Indian political, economic, and cultural institutions. Students will analyze the legal, political, and social implications of American Indian relationships with federal, state, and local governments and investigate processes that American Indian nations and community members use to strategize and work toward social justice and indigenous rights.

Degree Requirements: 30 credit hours and a Thesis, or 30 credit hours including the required course (AIS 580) and an Applied Project.

core credit hours (9)

concentration credit hours (9)

elective credit hours (6)

AIS 599 or AIS 580 thesis or applied project (6)

Admission Requirements: The minimum requirement for admission is a bachelor's degree (or equivalent) or a graduate degree from a regionally accredited college or university of recognized standing in a related field such as history, justice study, sociology, ethnic studies, anthropology, political science or education.

A TOEFL score is required from any applicant whose native language is not English. Please visit

http://graduate.asu.edu/admissions/international/english_proficiency (http://graduate.asu.edu/admissions/international/english_proficiency) for more information.

Contact Information:

Liberal Arts & Sciences, College of

American Indian Studies Program

<http://americanindian.clas.asu.edu>

DISCOVERY 356

ais@asu.edu

480-965-3634

American Indian Studies (Tribal Leadership and Governance), MS (LAAISTMS)

Online Degree Search Title: American Indian Studies (Tribal Leadership and Governance) MS

Campus: TEMPE

Program Description: The M.S. in American Indian studies is an interdisciplinary program that will result in an intellectual and practical understanding of the issues facing American Indian populations and the ability to apply that knowledge and resultant problem solving skills in a range of professional arenas including governmental, private, and nonprofit agencies. Focus will be on languages, cultures, arts, histories, legal policy, and education from an American Indian studies perspective. Delivery will be mainly through in-person and online courses. Students may select a thesis (research) or non-thesis (professional) option. Thesis students will be involved in a major research project under the direction of their faculty advisors, culminating in a thesis. This is the option students should select if they have an interest in a research-oriented position within an organization or agency, or wish to pursue a doctorate degree. Non-thesis students will complete a research project that identifies and addresses an applied problem or issue relevant to a partner agency/organization under the direction of their faculty advisors. This is the option students should select if they are interested in a leadership and managerial level position within an organization or agency. The required core classes emphasize knowledge and skills all graduates must have. Concentrations and electives are designed so students can concentrate in the areas of visual and oral culture, Indigenous rights and social justice, cultural resource revitalization and sustainability or tribal leadership and governance. Depending on the option chosen, students will complete either a thesis or a practicum. Both are research projects, but the practicum is more applied in nature. The tribal leadership and governance concentration will explore traditional and modern concepts of Indian education leadership, tribal government leadership, tribal governments, decision-making and legislation, constitutional reform, planning, economic development, community development, nation rebuilding, tribal courts, administration, and planning.

Degree Requirements: 30 credit hours and a Thesis, or 30 credit hours including the required course (AIS 580) and an Applied Project.

core credit hours (9)

concentration credit hours (9)

elective credit hours (6)

AIS 599 or AIS 580 thesis or applied project (6)

Admission Requirements: The minimum requirement for admission is a bachelor's degree (or equivalent) or a graduate degree from a regionally accredited college or university of recognized standing in a related field such as history, justice study, sociology, ethnic studies, anthropology, political science or education.

A TOEFL score is required from any applicant whose native language is not English. Please visit

http://graduate.asu.edu/admissions/international/english_proficiency (http://graduate.asu.edu/admissions/international/english_proficiency) for more information.

Contact Information:

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American Indian Studies Program

<http://americanindian.clas.asu.edu>

DISCOVERY 356

ais@asu.edu

480-965-3634

American Indian Studies (Visual and Oral Culture), MS (LAAISVMS)

Online Degree Search Title: American Indian Studies (Visual and Oral Culture) MS

Campus: TEMPE

Program Description: The M.S. in American Indian studies is an interdisciplinary program that will result in an intellectual and practical understanding of the issues facing American Indian populations and the ability to apply that knowledge and resultant problem-solving skills in a range of professional arenas including governmental, private and nonprofit agencies. Focus will be on languages, cultures, arts, histories, legal policy and education from an American Indian studies perspective. Delivery will be mainly through in-person and online courses. Students may select a thesis (research) or non-thesis (professional) option. Thesis students will be involved in a major research project under the direction of their faculty advisors, culminating in a thesis. This is the option students should select if they have an interest in a research-oriented position within an organization or agency, or wish to pursue a doctorate degree. Non-thesis students will complete a research project that identifies and addresses an applied problem or issue relevant to a partner agency/organization under the direction of their faculty advisors. This is the option students should select if they are interested in a leadership or managerial level position within an organization or agency. The required core classes emphasize knowledge and skills all graduates must have. Concentrations and electives are designed so students can concentrate in the areas of visual and oral culture, Indigenous rights and social justice, cultural resource revitalization and sustainability or tribal leadership and governance. Depending on the option chosen, students will complete either a thesis or a practicum. Both are research projects, but the practicum is more applied in nature. The visual and oral culture concentration will explore and contribute to American Indian culture and history as it exists in visual, material and written forms through creative writing, literature, poetry, film, photography, performing arts, digital arts, oral tradition/history and communication from an American Indian studies paradigm.

Degree Requirements: 30 credit hours and a Thesis, or 30 credit hours including the required course (AIS 580) and an Applied Project.

core credit hours (9)

concentration credit hours (9)

elective credit hours (6)

AIS 599 or AIS 580 thesis or applied project (6)

Admission Requirements: The minimum requirement for admission is a bachelor's degree (or equivalent) or a graduate degree from a regionally accredited college or university of recognized standing in a related field such as history, justice study, sociology, ethnic studies, anthropology, political science or education.

A TOEFL score is required from any applicant whose native language is not English. Please visit

http://graduate.asu.edu/admissions/international/english_proficiency (http://graduate.asu.edu/admissions/international/english_proficiency) for more information.

Contact Information:

Liberal Arts & Sciences, College of

American Indian Studies Program

<http://americanindian.clas.asu.edu>

DISCOVERY 356

ais@asu.edu

480-965-3634

American Media and Popular Culture, MAS (LAAMPCMAS)

Online Degree Search Title: American Media and Popular Culture (MAS)

Campus: ONLNE, TEMPE

Program Description: The M.A.S in American media and popular culture is an innovative graduate program in the study of film, television, computer games, the Internet and screenwriting. Students learn the analytic, creative and communication skills needed to interpret and create media texts.

This degree prepares students for successful careers as teachers and critics of media as well as for opportunities in the entertainment industry as executives, producers and writers. Our goal is to empower students to be critical consumers of media, creative industry professionals and rigorous scholars of media texts and culture.

The film and media industries undergo constant transformation as a result of industry reorganization, globalization, new technologies and increasingly sophisticated forms of artistic expression and storytelling. Our curriculum puts our students on the forward edge of that change.

Degree Requirements: 30 Credit Hours including the required course (FMS 593) and an Applied Project.

The program consists of nine credit hours of core courses, 18 credit hours of electives and a three-credit applied project.

Admission Requirements: All applicants must 1) complete the Graduate College online application, and 2) meet all Graduate College admission criteria.

Students whose native language is not English will be required to meet the Graduate College English proficiency requirement.

Contact Information:

Liberal Arts & Sciences, College of

Department of English

<http://english.clas.asu.edu/graduate>

LL 542

enggrad@asu.edu

480-965-3168

Animal Behavior, PHD (LAANBPHD)

Online Degree Search Title: Animal Behavior (PhD)

Campus: TEMPE

Program Description: Animal behavior is a graduate degree program that will provide doctorate-level training in mechanistic and functional approaches to understanding behavior in a variety of animal taxa. The study of behavior is at the interface of several scientific disciplines (e.g., physiology, ecology, evolution), and good research in this area requires diverse but specialized training and skills. This program will unify and coordinate graduate training in research and education at ASU in the behavioral sciences.

This program will complement the transdisciplinary Ph.D. in neuroscience program that is currently in place at ASU and will have applied scientific value, in areas such as mental and behavioral health in humans and veterinary science. The ecological focus in the program (i.e., behavioral ecology, conservation biology) will feed into Valley, state and global issues in ecosystem and resource sustainability.

Degree Requirements: 84 credit hours, a Prospectus and a Dissertation.

- Core Requirements (8)

- ANB 601 (4).
- ANB 602 (4).

- Elective Courses (21), the department and the student's advisor will determine these courses in conjunction with the student.
- Research (43)
- Dissertation (12)

Admission Requirements: All applicants will submit the Graduate College online application. The applicant must have a baccalaureate degree from a regionally accredited institution in the U.S. or an international equivalent degree. A minimum GPA of 3.00 (4.00 scale) must have been earned in the student's last 60 hours of the bachelor's program. The GRE is required. All applicants whose native language is not English must meet English proficiency requirements.

Contact Information:

Liberal Arts & Sciences, College of
 School of Life Sciences
<http://animalbehavior.asu.edu/>
 LSC 226
 SOLS.grad@asu.edu
 480-965-1768

Anthropology, PHD (LAANTHRPHD)

Online Degree Search Title: Anthropology (PhD)

Campus: TEMPE

Program Description: The School of Human Evolution and Social Change (SHESC) is an excellent choice for students wanting to pursue a Ph.D. in the classic fields of anthropology:

- Archaeology.
- Bioarchaeology.
- Physical anthropology.
- Sociocultural anthropology.

It is also an ideal environment for students who want to combine these approaches and other disciplines to explore specific issues or research questions within a transdisciplinary context. Our flexible graduate curricula are designed to encourage students to design innovative plans of study, to pursue their interests while receiving broad training in key areas. The anthropology faculty actively engage with faculty in other disciplines, including:

- Applied mathematics.
- Chemistry.
- Environmental economics.
- Epidemiology.
- Formal modeling.
- Genetics.
- Sociology.
- Sustainability.
- Technology and society.
- Urban planning.

The school offers many exciting hands-on learning opportunities, through laboratories and field-based research that focus on addressing real-world challenges related to the following research themes:

- Biological, social and cultural dimensions of human health.
- Culture, heritage and identity.
- Global dynamics and regional interactions.
- Human origins, evolution and diversity.
- Societies and their natural environments.
- Urban societies.

The training students receive in this program prepares them to become expert scholars able to contribute not only to their chosen field, but to finding solutions to humankind's greatest challenges.

Degree Requirements: 84 credit hours, a Written Comprehensive Exam, a Prospectus and a Dissertation.

Students entering with an master's in a related field may be granted up to 30 credit hours toward the 84 hours required for the doctorate. This leaves 30 hours of course work, 12 hours of research credit and 12 hours of dissertation credit (54 credit hours total) to be earned post-admission. Students entering without a master's must earn an additional 30 hours of graduate credit, produce a research portfolio which is formally evaluated by a faculty committee, and present that research in a public forum before continuing on in the later stage of the doctorate. All students must 1) maintain a "B-" (3.20) average GPA in their courses, and 2) complete degree requirements per the program's satisfactory progress policy.

Admission Requirements: Students must submit an online application to the Graduate College. The application deadline is Dec. 15 for admission in the following fall. There is no spring admission. In addition to the general requirements for admission to the Graduate College, applicants must also provide:

- A statement of purpose outlining career and educational goals.
- A current curriculum vitae or resume.
- An optional sample of their written work.
- Three letters of recommendation.
- Official GRE scores.
- Transcripts of all undergraduate and graduate course work.

Undergraduate course work in anthropology is not a prerequisite for admission, but is generally advisable. Students may be admitted without such a background and may be required to acquire knowledge of general anthropology in a manner to be specified at the time of admission. Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Contact Information:

Liberal Arts & Sciences, College of
School of Human Evolution & Social Change
<http://shesc.asu.edu/>
SHESC 233
shescgrad@asu.edu
480-965-6215

Anthropology (Complex Adaptive Systems Science), PHD (LAANTHCPHD)

Online Degree Search Title: Anthropology (Complex Adaptive Systems Science) (PhD)

Campus: TEMPE

Program Description: The Complex Adaptive Systems Science (CASS) Ph.D. concentration trains the next generation of scientists in advanced concepts and methods needed for approaching diverse phenomena in the social and life sciences. The program is tightly integrated with diverse, ongoing, university-wide research on CASS at Arizona State University and emphasizes the value of a CASS perspective to give better insight and a more active role in seeking solutions to a broad array of critical issues facing our society today. Students will be fluent in the common language of complexity while also receiving a solid foundation in the domain knowledge of existing academic disciplines.

Degree Requirements: 84 credit hours, a Written Comprehensive Exam, a Prospectus and a Dissertation.

Students entering with an M.A. in a related field may be granted up to 30 credit hours toward the 84 hour total required for the Ph.D. This leaves 30 hours of coursework, 12 hours of research credit, and 12 hours of dissertation credit (54 credit hours total) to be earned post-admission.

Students entering without an M.A. must earn an additional 30 hours of graduate credit, produce a research portfolio which is formally evaluated by a faculty committee, and present that research in a public forum before continuing on in the later stage of the Ph.D.

Student doctoral dissertations should include the application of complex adaptive systems concepts and/or methods in their field of study, and typically will have a member of the CASS graduate faculty as a member of their doctoral supervisory committee.

All students must 1) maintain a "B-" (3.20) average GPA in their courses, and 2) complete degree requirements per the program's satisfactory progress policy.

Admission Requirements: Students must submit an online application to the Graduate College. The application deadline is December 15 for admission in the following fall. There are no spring admissions. In addition to the general requirements for admission to the Graduate College, applicants must also provide:

- A statement of purpose outlining career and educational goals.
- A current curriculum vitae or resume.
- An optional sample of their written work.
- Three letters of recommendation.
- Official GRE scores.
- Transcripts of all undergraduate and graduate course work, with a minimum of a 3.00 cumulative GPA (scale is 4.00=A) in the last 60 hours of a student's bachelor's degree program.

Only students admitted to participating doctoral programs may apply for a CASS concentration. A letter of application from the student must be sent to the chair of the CASS graduate faculty. The application will be reviewed by members of the graduate faculty who will make final admission

recommendations to the Graduate College.

Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Contact Information:

Liberal Arts & Sciences, College of
School of Human Evolution & Social Change
<http://shesc.asu.edu/>
SHESC 233
shescgrad@asu.edu
480-965-6215

Anthropology (Museum Studies), MA (LAMUSEUMMA)

Online Degree Search Title: Anthropology (Museum Studies) (MA)

Campus: TEMPE

Program Description: The School of Human Evolution and Social Change offers an M.A. in anthropology with a concentration in museum studies. Museum anthropology encompasses theoretically oriented analyses of museums as cultural institutions (including the activities of staff members, visitors, represented peoples and all implicated others), as well as applied aspects of working in museums and related agencies. Drawing on all subdisciplines of anthropology, special emphasis is placed on connecting material culture and ideation in a variety of institutional and field settings. Museum anthropology students apply museum philosophy, principles, practices and current critiques to explore the many dimensions of curatorship, including:

- Administration.
- Collections management.
- Educational programming.
- Exhibition work.
- Research.

Degree Requirements:

A minimum of 30 credit hours of graduate work approved by a student's supervisory committee and the Graduate College is required. As a culminating experience, students produce a research portfolio which is formally evaluated by a faculty committee, and they present their research in a public forum.

Admission Requirements: All applicants must submit the Graduate College online application.

In addition to the general requirements for admission to the Graduate College, the School of Human Evolution and Social Change requires applicants to provide:

- A current curriculum vitae or resume.
- Official GRE scores.
- An optional sample of their written work.
- A statement of purpose outlining career and educational goals.
- Three letters of recommendation.
- Transcripts of all undergraduate and graduate course work.

Undergraduate course work in anthropology is not a prerequisite for admission, but is generally advisable. Students may be admitted without such a background and may be required to acquire knowledge of general anthropology in a manner to be specified at the time of admission.

Contact Information:

Liberal Arts & Sciences, College of
School of Human Evolution & Social Change
http://shesc.asu.edu/graduate_studies
SHESC 233
shescgrad@asu.edu
480-965-6215

Anthropology (Urbanism), PHD (LAURBPHD)

Online Degree Search Title: Anthropology (Urbanism) Phd

Campus: TEMPE

Program Description: Understanding the nature, function and shaping of the human habitat is essential to addressing humankind's greatest challenges. The concentration in urbanism provides an environment for students to organize varied disciplinary perspectives on urbanism into a collective body of scholarship. The study of classic fields within anthropology will be enriched by grounding students in a comprehensive

understanding of the characteristics of urban contexts and the dynamic forces that shape them.

Working with faculty members from across a range of departments and programs at ASU, doctoral students will be able to capture the creative tensions that scholarship on urbanism has inspired, to stimulate a provocative, constructive kind of inquiry. Academic units students might engage to fulfill the requirements of the urbanism concentration include:

- Herberger Institute for Design and the Arts.
- School of Community Resources and Development.
- School of Geographical Sciences and Urban Planning.
- School of Government, Politics and Global Studies.
- School of Historical, Philosophical and Religious Studies.
- School of Human Evolution and Social Change (SHESC).
- School of Sustainability.

SHESC offers many exciting hands-on learning opportunities, through laboratories and field-based research that focus on addressing real-world challenges related to the following research themes:

- Biological, social and cultural dimensions of human health.
- Culture, heritage and identity.
- Global dynamics and regional interactions.
- Human origins, evolution and diversity.
- Societies and their natural environments.
- Urban societies.

The training students receive in this program prepares them to become expert scholars able to contribute to their chosen field and to finding solutions to humankind's greatest challenges.

Degree Requirements: 84 credit hours, a Written Comprehensive Exam, an Oral Comprehensive Exam, a Prospectus and a Dissertation.

Students entering with an M.A. in a related field may be granted up to 30 credit hours toward the 84 hour total required for the Ph.D. This leaves 30 hours of course work, 12 hours of research credit, and 12 hours of dissertation credit (54 credit hours total) to be earned post-admission.

Students entering without an M.A. must earn an additional 30 hours of graduate credit, produce a research portfolio which is formally evaluated by a faculty committee, and present that research in a public forum before continuing on in the later stage of the Ph.D.

All students must 1) maintain a "B-" (3.20) average GPA in their courses, and 2) complete degree requirements per the program's satisfactory progress policy.

For the concentration in urbanism, 15 credit hours will be selected from an approved list of applicable courses related to urbanism. These courses will include the core urbanism course, GCU 516, as well as one course from each of the four urbanism clusters. These clusters are:

- Built form.
- Culture and society.
- Institutions and governance.
- Natural environment.

Admission Requirements: Students must submit an online application to the Graduate College. The application deadline is December 15 for admission in the following fall. There are no spring admissions. In addition to the general requirements for admission to the Graduate College, applicants must also provide:

- A statement of purpose outlining career and educational goals.
- A current curriculum vitae or resume.
- An optional sample of the applicant's written work.
- Three letters of recommendation.
- Official GRE scores.
- Transcripts of all undergraduate and graduate course work.

Undergraduate course work in anthropology is not a prerequisite for admission, but is generally advisable. Students may be admitted without such a background and may be required to acquire knowledge of general anthropology in a manner to be specified at the time of admission.

Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Contact Information:

Liberal Arts & Sciences, College of
School of Human Evolution & Social Change
<http://shesc.asu.edu/>
SHESC 233
shescgrad@asu.edu
480-965-6215

Applied Ethics and the Professions (Biomedical and Health Ethics), MA (LAAEPMEMA)

Online Degree Search Title: Applied Ethics (Biomedical and Health Ethics) MA

Campus: TEMPE

Program Description: Medicine is infused with moral values and is deeply embedded in a variety of social and cultural contexts, which significantly determine the effectiveness of medical care in achieving healthy outcomes for patients and populations. The objective of the biomedical and health ethics concentration is to integrate academic and clinical dimensions of moral issues in medical practice and biomedical research. Students from a broad range of backgrounds will be exposed to the internal and external logics of medicine, health care and biotechnology and will gain substantive understanding of ethical, cultural and societal issues in a variety of domains. Through course work and other experiences, students will deliberate individually and collectively about a wide range of issues and problems in contemporary medicine and the history of medicine; develop advanced critical normative reasoning and judgment capacities; and cultivate effective communication skills for academic, clinical and policy contexts.

Degree Requirements: 30 credit hours including the required course (AEP 593) and an Applied Project.

All students are required to complete graduate course work distributed as follows:

- Elective concentration courses (18).
- Required capstone courses (6).
- Required concentration course (3).
- Required core courses (3).

The required core course for students across all concentrations in the M.A. applied ethics program is AEP 501 Foundations of Ethics (online), which provides students with the theoretical and historical basis to pursue specialized applied ethics education. The required concentration course for each concentration introduces the students into basic concepts and practices of their field; in biomedical and health ethics, the required concentration course is BIO 516, which focuses on practices and products of bioethics.

Required for this concentration

BIO 516 Foundations of Bioethics

Electives for this Concentration (18)

AEP 551 Ethical and Spiritual Approaches to Death and Dying
ASB/SSH 501 Ethics, Social Justice and Health Social Science
ASB 502 Health of Ethnic Minorities
ASB 509 Health: Social and Biocultural Theory
ASB 511 Ethics in Health Social Science Research
BIO 598 Health Systems and Policy
HSD 591 Ethics and Emerging Technologies
LAW 652 Bioethics and the Law
LAW 617 Genetics and the Law
LAW 791 Neuroscience and the Law
MHI 550 Healthcare Policy and Innovation
NTR 598 Topic: Politics, Ethics and the American Diet
PHI 591/LAW 791/BIO 591 Research Ethics and Law
REL 598 Medical Ethics: Religious and Secular
WST 598 Gender and Global Health Disparities

Other Electives

Graduate seminars in other disciplines may be on topics that are relevant to one or more of the concentrations and may be used as electives for the master's in applied ethics and the professions, with the approval of the program of one of the concentrations and the approval of the instructor of the seminar.

Admission Requirements: General admission requirements are as follows:

- All documentation must be submitted via the ASU Graduate College online application.
- A "B" (3.00) undergraduate GPA.
- International students: TOEFL score or comparable proof of English proficiency.
- Personal statement of interest and qualification.
- Resume.
- Two letters of recommendation.

Note: No GRE is required, except for Eng/Emerging Technology (required unless requirement has been waived by director).

For more information on the specifics, please see the ASU Graduate College.

Please also refer to the college of the concentration/track you are interested in for additional details.

Contact Information:

Liberal Arts & Sciences, College of
School of Life Sciences
<http://sols.asu.edu/>
DISCOVERY 213
sols.grad@asu.edu
480-727-8857

Applied Linguistics, PHD (EDAPLPHD)

Online Degree Search Title: Applied Linguistics (PHD)

Campus: TEMPE

Program Description: Applied Linguistics combines research topics in the linguistics sciences and education to pursue principled approaches to language-related concerns. The applied linguistics Ph.D. program at Arizona State University is focused on simultaneous and developmental bilingualism in children and adolescents. Faculty participate in the program from within multiple curricular units across the institution's four campuses. The program encourages interdisciplinary study, and its flexible requirements enable students to pursue those aspects of the disciplines that interest them the most. The program prepares students for entrance into the field as teachers, scholars and professionals.

Degree Requirements: 84 credit hours, a Written Comprehensive Exam, a Prospectus and a Dissertation.

There must be a minimum of 54 credit hours beyond the master's level, including a minimum of 12 units of dissertation credit. All students in the program must satisfy 18 units of foundation course work.

Because applied linguistics is interdisciplinary in nature, applicants may differ from one another with regard to their prior experience and preparation. For instance, while some applicants may have substantial prior training in core theoretical linguistics (foundations), others may have considerable preparation in an area related to a supported concentration. Students should consult the program director for assistance in planning their degree programs. The program director may address potential redundancies in a student's program requirements with prior academic preparation by 1) allocating a maximum of 30 credit hours from an awarded and approved graduate degree toward the applied linguistics program requirements, and/or 2) permitting the student to take additional elective courses in lieu of introductory courses covered in an undergraduate program. Examples of research specializations are bilingualism, educational linguistics, English as an international language, indigenous language education and language planning and policy.

Required Course Work:

Foundation Course Work (18 credit hours):

1. Overview of the field: a three-credit course providing a survey of the field of applied linguistics.
2. Linguistics: 15 credits of required course work in theoretical linguistics, including one approved linguistics elective.

Teaching Internship (1 credit hour)

Colloquia (8 credit hour)

A four-semester sequence of two-credit colloquium meetings for students in the first two years. All students and program faculty are encouraged to attend.

Research Methods (6 credit hours)

Six credits of approved research methods courses selected in consultation with the advisor.

Specialization/Research (33 credit hours)

In consultation with the program director, students take 11 three-credit courses in their field of specialization.

Breadth (6 credit hours)

Six credits of course work in a secondary concentration area.

Dissertation (12 credit hours) An oral defense of the dissertation is required.

Language Requirement: Students in the applied linguistics doctoral program are additionally required to demonstrate proficiency in a second language equivalent to two years of study. A language appropriate to the student's area of interest is selected in consultation with the advisor. The language requirement must be satisfied, by examination or course work, prior to advancement to candidacy. Computer or other nonhuman languages may not be used to satisfy this requirement. Students for whom English is a second language may use their first language to satisfy the requirement by examination. Course credit used to satisfy the language requirement cannot be used to satisfy other program requirements and cannot be counted toward the total required 84 credits.

Admission Requirements: Applicants must submit an online Graduate College application.

The application must include:

- An academic writing sample.
- Official GRE scores and transcripts of all undergraduate and graduate course work.
- A resume or CV.
- A statement of interest outlining career and research goals.
- Three letters of recommendation addressing their academic promise for the program.

Applications are due Jan. 15 for fall admission.

Students must have completed a bachelor's from a regionally accredited institution or university of recognized standing prior to admission into the

program. Because applied linguistics is an interdisciplinary field, applicants with prior academic preparation in any field are welcome. Please see the program website for additional information.

Contact Information:

Liberal Arts & Sciences, College of
Department of English
<http://english.clas.asu.edu/gradstudies-phdapplng>
LL 543B
enggrad@asu.edu
480-965-3194

Applied Mathematics, PHD (LAAPMPHD)

Online Degree Search Title: Applied Mathematics (PHD)

Campus: TEMPE

Program Description: The Ph.D. includes rigorous training in fundamental applied mathematics and its application to real-world problems in fields such as:

- Biology.
- Geology.
- Physics.
- Various engineering disciplines.

All students will participate in individual and collaborative research.

Degree Requirements: 84 credit hours, a Written Comprehensive Exam, a Prospectus and a Dissertation.

The program includes:

- Five core courses.
- Three credit hours of seminar (591).
- 12 credit hours of dissertation (799).

Students must pass a written comprehensive examination and an oral dissertation prospectus. Each student must write a dissertation and defend it orally in front of five dissertation committee members. See the department website for examination information.

Admission Requirements: Applicants must submit:

- The Graduate College online application.
- The general GRE scores.
- Official transcripts.
- A statement of education and career goals.
- Three letters of recommendation.

Minimum background for consideration of admission to the doctoral program in applied mathematics includes:

- A bachelor's in mathematics, applied mathematics, economics, engineering or a natural science from a regionally accredited university with a 3.00 GPA (on a 4.00 scale).
- Students must be competitive in an applicant pool as evidenced by course work in linear algebra (equivalent to ASU course MAT 342) and advanced calculus (equivalent to ASU course MAT 371).
- Scientific programming skills are also desirable.

Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Contact Information:

Liberal Arts & Sciences, College of
School of Mathematical and Statistical Sciences
<http://math.asu.edu>
PSA 216
grad.math@asu.edu
480-965-3951

Applied Mathematics for the Life & Social Sciences, PHD (LAAMLPHD)

Online Degree Search Title: Applied Mathematics for the Life & Social Sciences (PhD)

Campus: TEMPE

Program Description: The applied mathematics for the life and social sciences doctoral degree focuses on the training of researchers working on scientific questions at the interface of the mathematical, life and social sciences. Graduates of the program will be making innovative and far-reaching scientific contributions that rely on the cutting-edge computational mathematical and modeling approaches. This degree focuses on producing quantitative scientists and applied mathematicians conducting high-level interdisciplinary and crossdisciplinary research. The program's faculty includes mathematicians, statisticians, theoretical biologists and social scientists from five different schools at Arizona State University. There is a high demand for first-rate scientists, researchers and faculty interested in meeting the challenges faced by communities in the 21st century and by research and planning programs at institutions with the mission to address global challenges. Arizona and the nation's health, environmental and natural resource challenges are urgently in need of a large pool of researchers with these interdisciplinary skills.

There are three concentration tracks a student can follow:

- Applied mathematics: More in-depth focus on the tools as applied to the life and social sciences, i.e., on dynamical systems, computational and numerical methods, simulation and mathematical analysis.
- Life sciences: Focus on understanding the tools for representing the structure and operation of complex biological and ecological processes.
- Social sciences: Focus on understanding the tools for representing the structure and operation of complex social systems and processes.

By offering courses that enhance interdisciplinary exchanges and collaboration among the faculty and students interested in addressing questions of social relevance, the program builds upon foundations already established in:

- Bioinformatics.
- Computational sciences.
- Ecology.
- Genomics.
- Mathematical analysis.
- Mathematical epidemiology.
- Nonlinear dynamics.
- Population dynamics.
- Social science fields.

Degree Requirements: 84 credit hours, a Written Comprehensive Exam, an Oral Comprehensive Exam, a Prospectus and a Dissertation.

Students entering with an M.A. in a related field may be granted up to 30 credit hours toward the 84 hour total required for the Ph.D. This leaves 30 hours of course work, 12 hours of research credit and 12 hours of dissertation credit (54 credit hours total) to be earned post-admission.

Students entering without a master's must earn an additional 30 hours of graduate credit, produce a research portfolio which is formally evaluated by a faculty committee and present that research in a public forum before continuing in the later stage of the doctoral program.

All students must 1) maintain a "B-" (3.20) average GPA in their courses, and 2) complete degree requirements per the program's satisfactory progress policy.

All students are required to complete a sequence of core courses. The core competencies consist of:

- Core math skills.
- Deterministic modeling or computational methods.
- Math biology.
- Statistics and probability.
- Stochastic modeling.

Admission Requirements: Students must submit an online application to the Graduate College. The application deadline is Dec. 15 for admission in the following fall. There are no spring admissions. In addition to the general requirements for admission to the Graduate College, applicants must also provide:

- A statement of purpose outlining career and educational goals.
- A current curriculum vitae or resume.
- An optional sample of their written work.
- Three letters of recommendation.
- Official GRE scores.
- Transcripts of all undergraduate and graduate course work.

Prior to admission, students should have completed, at a 300- or 400-level, a minimum of the following:

- 15 hours of mathematics and/or statistics.
- Nine hours of life sciences and social sciences course work at the senior or college graduate level.
- No fewer than three hours each of life sciences and social sciences course work.

A master's in the social sciences (e.g., anthropology, sociology, gender studies, geography), life sciences or related fields (e.g., biology, genomics, ecology), applied mathematics, mathematics or statistics is preferred. A bachelor's in a relevant field from a regionally accredited university is required. Minimum GPA for consideration for admission is a 3.20, on a 4.00 scale for the last two years of study leading to the bachelor's. Given the interdisciplinary goals of the program, a diverse pool of students is desirable.

Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Contact Information:

Liberal Arts & Sciences, College of
School of Human Evolution & Social Change
<http://shesc.asu.edu/>
SHESC 233
shescgrad@asu.edu
480-965-6215

Applied Mathematics for the Life and Social Sciences (Complex Adaptive Systems Science), PHD (LAAMLCPHD)

Online Degree Search Title: Applied Math for the Life & Social Sciences (Complex Adaptive Sys Science) PhD

Campus: TEMPE

Program Description: The Complex Adaptive Systems Science (CASS) Ph.D. concentration trains the next generation of scientists in advanced concepts and methods needed for approaching diverse phenomena in the social and life sciences. The program is tightly integrated with diverse, ongoing university-wide research on CASS at Arizona State University and emphasizes the value of a CASS perspective to give better insight and a more active role in seeking solutions to a broad array of critical issues facing our society today. Students will be fluent in the common language of complexity while also receiving a solid foundation in the domain knowledge of existing academic disciplines.

Degree Requirements: 84 credit hours, a Written Comprehensive Exam, a Prospectus and a Dissertation.

Students entering with an M.A. in a related field may be granted up to 30 credit hours toward the 84 hour total required for the Ph.D. This leaves 30 hours of course work, 12 hours of research credit and 12 hours of dissertation credit (54 credit hours total) to be earned post-admission.

Students entering without a master's must earn an additional 30 hours of graduate credit, produce a research portfolio which is formally evaluated by a faculty committee and present that research in a public forum before continuing on in the later stage of the doctoral program.

All students must 1) maintain a "B" (3.20) average GPA in their courses, and 2) complete degree requirements per the program's satisfactory progress policy.

Student doctoral dissertations should include the application of complex adaptive systems concepts and/or methods in their field of study, and typically will have a member of the CASS graduate faculty as a member of their doctoral supervisory committee.

Admission Requirements: Students must submit an online application to the Graduate College. The application deadline is Dec. 15 for admission in the following fall. There are no spring admissions. In addition to the general requirements for admission to the Graduate College, applicants must also provide:

- A statement of purpose outlining career and educational goals.
- A current curriculum vitae or resume.
- An optional sample of their written work.
- Three letters of recommendation.
- Official GRE scores.
- Transcripts of all undergraduate and graduate course work, with a minimum of a 3.00 cumulative GPA (scale is 4.00=A) in the last 60 hours of a student's bachelor's degree program.

Only students admitted to participating doctoral programs may apply for a CASS concentration. A letter of application from the student must be sent to the chair of the CASS graduate faculty. The application will be reviewed by members of the graduate faculty who will make final admission recommendations to the Graduate College.

Prior to admission, students should have completed, at a 300- or 400-level, a minimum of the following:

- 15 hours of mathematics and/or statistics.
- Nine hours of life sciences and social sciences course work at the senior or college graduate level.
- No fewer than three hours each of life sciences and social sciences course work.

A master's in the social sciences (e.g., anthropology, sociology, gender studies, geography), life sciences or related fields (e.g., biology, genomics, ecology), applied mathematics, mathematics or statistics is preferred. A bachelor's in a relevant field from a regionally accredited university is required. Minimum GPA for consideration for admission is a 3.20, on a 4.00 scale, for the last two years of study leading to the bachelor's. Given the interdisciplinary goals of the program, a diverse pool of students is desirable.

Applicants whose native language is not English (regardless of where they now reside) must provide proof of English proficiency.

Contact Information:

Liberal Arts & Sciences, College of
School of Human Evolution & Social Change
<http://shesc.asu.edu/>
SHESC 233
shescgrad@asu.edu
480-965-6215

Asian Languages and Civilizations (Chinese), MA (LACHINAMA)

Online Degree Search Title: Asian Languages/Civilizations (Chinese) MA

Campus: TEMPE

Program Description: The Asian languages faculty in the School of International Letters and Cultures (SILC) offers a graduate program leading to an M.A. in Asian languages and civilizations-Chinese. In addition to preparing some students for further academic training, the program also helps to prepare students for jobs dealing with China (in such fields as law, business or journalism) and for entrance into professional schools.

Degree Requirements: 30 credit hours and a Thesis, or 30 credit hours and a Thesis (MIP).

The plan of study for the M.A. includes a minimum of 30 credit hours of graduate-level work, as approved by the candidate's supervisory committee and a thesis. The plan must include a 500-level bibliography and research methods course offered by the department. When approved by the candidate's supervisory committee, nine hours of advanced-level work in another language or in closely related courses may be included in the plan. Students who are primarily interested in teaching at the secondary or community college levels may select a plan of study with a concentration in language pedagogy.

Admission Requirements: Students interested in applying to the program must submit a Graduate College online application. Candidates for the M.A. should, upon entrance, present the equivalent of an undergraduate major in the language in which the degree is sought. Those who lack this background, but who show strong potential and meet Graduate College admissions requirements, including those with regard to English proficiency, may be admitted to a graduate program on a provisional basis, pending removal of specified deficiencies. These deficiencies must be completed in addition to the regular program of study for the master's degree.

See the department website for more information.

Contact Information:

Liberal Arts & Sciences, College of
School of International Letters and Cultures
<http://silc.asu.edu/graduate/degrees/ma-chinese>
LL 440
silc@asu.edu
480-965-6281

Asian Languages and Civilizations (Japanese), MA (LAJAPANMA)

Online Degree Search Title: Asian Languages/Civilizations (Japanese) MA

Campus: TEMPE

Program Description: The Asian languages faculty in the School of International Letters and Cultures (SILC) offers a graduate program leading to an M.A. in Asian languages and civilizations-Japanese. In addition to preparing some students for further academic training, the program also helps to prepare students for jobs dealing with Japan (in fields such as law, business or journalism) and for entrance into professional schools.

Degree Requirements: 30 credit hours and a Thesis, or 30 credit hours including the required course (JPN 593) and an Applied Project.

The plan of study for the M.A. includes a minimum of 30 credit hours of graduate-level work and a thesis, as approved by the candidate's supervisory committee. The plan must include a 500-level bibliography and research methods course offered by the department. When approved by the candidate's supervisory committee, nine hours of advanced-level work in another language or in closely related courses may be included in the plan.

Students who are primarily interested in teaching at the secondary or community college levels may select a plan of study with an area of study in language pedagogy. Students seeking an M.A. in Asian languages and civilization should consult with their Graduate College representative. In keeping with the idea of in-situ experience as a key ingredient for advanced intellectual understanding, all degree candidates must have spent at least nine continuous months in a Japanese language environment within four years of entering the program.

Admission Requirements: Students interested in applying to this program must submit an online Graduate College application. Candidates for the M.A. should, upon entrance, present the equivalent of an undergraduate major in the language in which the degree is sought. Those who lack this background, but who show strong potential and meet Graduate College admissions requirements, may be admitted to a graduate program on a conditional basis, pending removal of specified deficiencies. These deficiencies must be completed in addition to the regular plan of study for the master's degree.

Applicants from a country whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

See the department website for more information.

Contact Information:

Liberal Arts & Sciences, College of
School of International Letters and Cultures
<http://silc.clas.asu.edu/graduate/degrees/ma-japanese>
LL 440
silc@asu.edu
480-965-6281

Asian Studies (certificate), CERT (LAASIANCE)

Online Degree Search Title: Asian Studies (Grad Certificate)

Campus: TEMPE

Program Description: The graduate certificate in Asian studies offers graduate students an interdisciplinary specialization in Asian language and area studies. The certificate is available in two tracks:

- East Asia (China, Japan and Korea).
- Southeast Asia (Indonesia, Laos, Thailand and Vietnam).

Degree Requirements: 18 credit hours.

The certificate requires:

- Completion of 18 credit hours, distributed among a language requirement.
- Core course requirements and electives.
- A thesis or capstone project on a topic related to the student's region of emphasis.

Some courses may be applied to the certificate and the student's degree program.

Admission Requirements: Applicants must submit a Graduate College online application. Graduate students in any discipline may pursue a certificate in Asian studies in conjunction with their degree programs. This program is also open to students who already hold graduate degrees. Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Contact Information:

Liberal Arts & Sciences, College of
School of Social Transformation
<http://www.asu.edu/asian>
COOR
car@asu.edu
480-965-7184

Astrophysics, MS (LAASTPHMS)

Online Degree Search Title: Astrophysics (MS)

Campus: TEMPE

Program Description: The program provides fundamental graduate training in astrophysics to prepare candidates for careers in astrophysics, such as:

- Further graduate study.
- Scientific staff positions at government laboratories.
- Teaching at the community college level.
- Technical positions in industry.

Degree Requirements: 30 credit hours and a Thesis, or 30 credit hours, a Master's Research Paper and a Written Comprehensive Exam (MIP). Twenty credit hours are structured courses. The student, with the approval of the advisor and supervisory committee (formed upon enrollment), selects courses that make up a coherent program of study.

For students in the astrophysics program, course work consists of the existing AST 521/522/523 and AST 531/532/533 graduate sequences, which provide comprehensive graduate training in the major fields of astrophysics. These courses are combined with additional work in core fields such as physics or mathematics. All SESE students are also required to take two one-credit seminars: GLG500 (Colloquium) and GLG591 (Faculty Research Seminar)

Students are expected to exhibit mastery of topics in these core fields and may be required by their advisor and committee to include such courses in their program of study. Specific course requirements may be waived by the advisor if the student has successfully completed equivalent courses

at universities elsewhere. Individual programs of study that include work in related fields may also be designed with advisor approval, subject to the requirements of the ASU Graduate College.

M.S. plans of study also include six credit hours of thesis credit (AST 599). Students must follow ASU Graduate College policies and procedures for admission to the program and for fulfilling the requirements of the degree.

Thesis requirements: A thesis based on observational, theoretical, laboratory and/or literature research in astrophysics is required.

Final Examination: A final oral examination in defense of the thesis is required.

Admission Requirements: Applicants must submit the Graduate College online application. In addition to the materials required by the ASU Graduate College, students applying for admission to the master's program in astrophysics must submit:

- Scores on the general GRE (verbal, quantitative and analytical).
- Scores on the physics GRE.
- A statement of purpose.
- Three letters of recommendation.

The deadline for applications for the fall term is Dec. 15 of the previous year. Students must apply using the Graduate College online application.

Contact Information:

Liberal Arts & Sciences, College of
School of Earth and Space Exploration
<http://sese.asu.edu>
PSF 686
seseinfo@asu.edu
480-965-5081

Astrophysics, PHD (LAASPHPHD)

Online Degree Search Title: Astrophysics (PhD)

Campus: TEMPE

Program Description: The Ph.D. in astrophysics program is designed to develop creative scholarship and prepare students for professional careers in astrophysics, astronomy or related fields.

Degree Requirements: 84 credit hours, a Written Comprehensive Exam, an Oral Comprehensive Exam, a Prospectus and a Dissertation. Students may be admitted into the program with a bachelor's or master's in a related field. Up to 30 credit hours of master's-level work in a related field can be accepted toward the fulfillment of the Ph.D. requirements.

The plan of study for the doctorate will be selected with the recommendation of the student's supervisory committee and should include sufficient course work to assure mastery of fields such as:

- Classical mechanics.
- Electrodynamics.
- Quantum mechanics.
- Statistical physics.
- Other core subjects in addition to those covered in the six-course core AST sequence.

Each plan of study must include 12 credit hours of dissertation (AST 799) and 25 credits of course work, including AST 521/522/533 and AST 531/532/533. Specific course requirements may be waived by the advisor if the student has successfully completed equivalent courses at universities elsewhere. All SESE students are also required to take two one-credit seminars: GLG500 (Colloquium) and GLG591 (Faculty Research Seminar). ASU Graduate College policies and procedures must also be met for fulfilling the requirements of the degree.

Comprehensive Examination: The student's supervisory committee will determine the content of the comprehensive examination, consisting of a written and an oral examination.

Dissertation Requirements: A dissertation is required which is based on original work demonstrating creativity in research and scholarly proficiency in the subject area.

Final Examination: A final oral examination in defense of the dissertation is required.

Admission Requirements: Applicants must submit the Graduate College online application.

In addition to the materials required by the ASU Graduate College, students applying to the doctoral program in astrophysics must submit:

- Scores on the general GRE (verbal, quantitative and analytical).
- Scores on the GRE physics subject test.
- A statement of purpose.
- Three letters of recommendation.

Applicants whose native language is not English (regardless of where they now reside) must provide proof of English proficiency.

The application deadline for fall semester is Dec. 15 of the previous year.

Contact Information:

Liberal Arts & Sciences, College of
School of Earth and Space Exploration
<http://sese.asu.edu>
PSF 686
seseinfo@asu.edu
480-965-5081

Atmospheric Science (certificate), CERT (LAATMOSCE)

Online Degree Search Title: Atmospheric Science (Grad Certificate)

Campus: TEMPE

Program Description: The interdisciplinary certificate in atmospheric science program is administered by an executive committee composed of faculty from the Ira A. Fulton Schools of Engineering and the College of Liberal Arts and Sciences. The objective of this program is to recognize ASU graduate students who specialize in a thesis or dissertation topic related to the atmospheric or oceanic sciences.

Students must complete a dissertation on a topic related to the atmospheric or oceanic sciences under the supervision of a faculty member from one of the cooperating departments.

Degree Requirements: 16 credit hours.

A minimum of 16 credit hours will be required in order to qualify for the atmospheric science certificate, consisting of:

- Three three-credit courses from a list of courses in the core disciplines (9).
- Two three-credit courses from a list of electives at the 400-level or above (6).
- A capstone seminar (1).

Considering the diversity of courses and in order to ensure an interdisciplinary flavor, each prospective recipient will have his/her certificate program approved by the certificate executive committee. Certificates will only be awarded to students who are enrolled in an M.A., M.S., M.N.S. or Ph.D. program at ASU. The student's thesis or dissertation must also be related to some aspect of atmospheric science.

The core courses are offered at least once every other year, so the certificate may be completed within two years.

Specific requirements are:

- Approval by the certificate committee of the student's proposed course selection.
- Completion of one course from each of the core disciplines with a grade of "B" (3.00) or better.
- Completion of two courses from the list of electives with a grade of "B" (3.00) or better.
- Completion of the capstone seminar, which is one credit hour.
- Completion of a dissertation on a topic related to the atmospheric or oceanic sciences.

Admission Requirements: In order to apply to a graduate program, the applicant must complete the Graduate College online application and meet all other requirements, including those with regard to English proficiency, to be admitted to graduate study at ASU.

Certificates will only be awarded to students who are enrolled in an M.A., M.S., M.N.S. or Ph.D. program at ASU.

Contact Information:

Liberal Arts & Sciences, College of
School of Geographical Sciences and Urban Planning
<http://geoplan.asu.edu/atmocert/>
COOR 5673
geoplan@asu.edu
480-965-7533

Audiology, AudD (LAAUDAUDD)

Online Degree Search Title: Audiology (AuD)

Campus: TEMPE

Program Description: The Au.D. program is designed to prepare audiologists for autonomous clinical practice. The clinical doctorate model at ASU stresses the integration of academic classroom learning and practical experience across a broad spectrum of clinical specialties and practice environments.

Degree Requirements: 95 credit hours and a Written Comprehensive Exam.

The program is designed for full-time students over a period of 45 months, including four fall and four spring semesters and three summers. The four-year course of study includes academic and clinical practicum components and requires a minimum of 95 credit hours, of which 63 are required academic credits provided through the Department of Speech and Hearing Science and 32 are required clinical credits.

Eligibility for graduation is based upon the following:

- Achieving a passing score on the ASHA Praxis national certification examination in audiology.
- Successful completion of 63 credit hours of required academic course work.
- Successful completion of 32 credit hours of clinical experiences.

Admission Requirements: All applicants must submit a Graduate College online application and have a cumulative GPA of 3.00 or higher. An applicant to the Au.D. program must hold a bachelor's in speech and hearing science or another discipline.

Applicants must submit:

- A 200-word statement of intent containing evidence of proficiency in written communication.
- GRE scores.
- Official transcripts.
- Three letters of recommendation.

All application materials must be submitted to the graduate admissions office by Jan. 15. Enrollment begins in the fall semester only.

Contact Information:

Liberal Arts & Sciences, College of
Department of Speech and Hearing Science

<http://shs.asu.edu>

COOR 2211

shsgrad@asu.edu

480-965-2374

Biochemistry, PHD (LABIOCHPHD)

Online Degree Search Title: Biochemistry (PhD)

Campus: TEMPE

Program Description: The graduate faculty in the Department of Chemistry and Biochemistry offer a program leading to the Ph.D. in biochemistry. The program offers a wide range of active research with an emphasis on contemporary and interdisciplinary study in the areas of biochemistry, life sciences and other biochemistry related fields. A few of the many topics currently being researched:

- Bioanalytical chemistry.
- Bio-Organic chemistry.
- Biophysical chemistry.
- Chemical education.
- Environmental and geochemistry.
- Inorganic and materials chemistry.

In addition to a broad range of individual research topics the department also has a number of interdisciplinary programs:

Energy Frontier Research Center for Bio-Inspired Solar Fuel Production(<http://chemistry.asu.edu/news/DeptHighlights.asp#5>)

Center for Membrane Proteins in Infectious Diseases, MPID(<http://chemistry.asu.edu/news/Faculty.asp#6>)

NASA Astrobiology Institute Team. "Follow the Elements" (<http://astrobiology.asu.edu>)

The faculty also participate in a number of other interdisciplinary programs leading to the doctorate. See <http://chemistry.asu.edu/graduate/facultyResearch.asp> (<http://chemistry.asu.edu/graduate/facultyResearch.asp>) on faculty research and <http://chemistry.asu.edu/graduate/facilities.asp> (<http://chemistry.asu.edu/graduate/facilities.asp>) for state-of-the-art facilities available for conducting high quality investigations. The doctorate in biochemistry prepares students for professional careers in industry, government and educational institutions.

Degree Requirements: 84 credit hours, a Written Comprehensive Exam, an Oral Comprehensive Exam, a Prospectus and a Dissertation.

- Six graduate courses selected by the student in consultation with his/her supervisory committee and based on the student's area of research.
- Enrollment each semester in CHM/BCH 501 seminar (up to eight semesters).
- Participation in yearly poster session.
- Doctoral comprehensive examination, consisting of a written and oral presentation of current research and an original research proposal.
- Minimum GPA of 3.00 or better.
- Research and dissertation appropriate for the Doctor of Philosophy degree.
- Completion of a successful dissertation oral defense.
- Evidence of a publishable contribution of original research.

Admission Requirements: All applicants must submit an online Graduate College application and must meet the requirements set by the Graduate College which can be found on Graduate College website. The Department of Chemistry and Biochemistry requires official GRE scores be sent directly to the Graduate College by the Educational Testing Service. The subject test is not required but may be submitted to support the applicant's academic record.

In addition to the Graduate College admissions application, applicants must complete an online departmental supplemental application. Information on the supplemental application can be found on the department website: <http://chemistry.asu.edu/graduate/applicantInfo.asp> (<http://chemistry.asu.edu/graduate/applicantInfo.asp>).

Applicants whose native language is not English (regardless of where they live now) must provide proof of English proficiency.

Contact Information:

Liberal Arts & Sciences, College of
Department of Chemistry and Biochemistry
<http://chemistry.asu.edu/graduate/>
PSD 209
chmgrad@asu.edu
480-965-4664

Biology, MS (LABIOMS)

Online Degree Search Title: Biology (MS)

Campus: TEMPE

Program Description: This program is designed to prepare students for careers in teaching and research in educational, medical, industrial and governmental institutions.

Degree Requirements: 30 credit hours and a Thesis, or 30 credit hours and an Oral Comprehensive Exam (MIP).

- Courses and research credits can be distributed in any combination appropriate to the student's individual educational goals.
- A final oral examination covering the thesis and related subject matter is administered by the supervisory committee.
- A minimum of 30 credit hours is required.
- The program of each student is prepared in consultation with the supervisory committee, consisting of a major professor and two additional faculty members.
- The program must include six hours of thesis and one hour of seminar.
- The remainder of the program of study usually consists of a mixture of course work, readings and conference and seminars in the student's primary field and related fields, and research credits.
- A typical program of study consists of six credit hours of thesis, one credit hour of seminar, nine to 15 hours of course work and additional seminars, and eight to 14 credit hours of research credit.

Admission Requirements: Applicants must submit a Graduate College online application. Admission criteria are as follows:

- A 3.00 minimum GPA during the student's last two years or last 60 credit hours.
- Applicants should have completed the requirements for an undergraduate major in biology or related discipline.
- Minimum GRE scores in verbal (50th percentile), quantitative (70th percentile), and writing (5).
- Test of English as a Foreign Language (TOEFL) scores of 600 paper-based or 100 internet-based.

Contact Information:

Liberal Arts & Sciences, College of
School of Life Sciences
<http://sols.asu.edu/grad/>
LSC 226
sols.grad@asu.edu
480-965-1768

Biology, PHD (LABIOPHD)

Online Degree Search Title: Biology (PhD)

Campus: TEMPE

Program Description: The Ph.D. in biology program allows the student to acquire high research competency in one or more specialized areas while receiving a broad, solid grounding in biological sciences.

Degree Requirements: 84 credit hours, a Oral Comprehensive Exam, a Prospectus and a Dissertation.

- Eighty-four credit hours are required.
- An oral comprehensive examination is required in order to advance to candidacy, and a formal defense of the final written dissertation is required prior to graduation.
- The plan of study is planned by the student and the supervisory committee, consisting of a major professor and four additional faculty members.
- The program is tailored to the needs of the individual student.
- Twelve hours of dissertation are required and the remaining hours are comprised of course work showing breadth in biology subdisciplines, seminars and research.

Admission Requirements: Applicants must submit a Graduate College online application. Admission criteria are as follows:

- A 3.00 minimum GPA during the student's last two years or last 60 credit hours.
- Applicants should have completed the requirements for an undergraduate major in biology, or related discipline, with an adequate background in related courses in chemistry, mathematical and physical sciences.
- Minimum GRE scores in verbal (50th percentile), quantitative (70th percentile), and writing (5).
- Test of English as a Foreign Language (TOEFL) scores of 600 paper-based or 100 internet-based.

Contact Information:

Liberal Arts & Sciences, College of
 School of Life Sciences
<http://sols.asu.edu/grad>
 LSC 226
 sols.grad@asu.edu
 480-965-1768

Biology (Biology and Society), MS (LABIOSMS)

Online Degree Search Title: Biology (Biology and Society) (MS)

Campus: TEMPE

Program Description: Within the biology degree programs, students may choose a formal concentration in the areas where biology intersects with society. There are three tracks:

- Bioethics, policy and law.
- Ecology, economics, and ethics of the environment.
- History and philosophy of science.

The bioethics, policy and law track trains students in the pressing moral, policy and legal issues raised by the biosciences and biomedicine and in the disciplinary methods necessary to address these issues. The history and philosophy of science track trains students in the conceptual foundations of science, including especially the epistemological and methodological assumptions that shape science and its progress. Ecology, economics, and ethics of the environment trains students in the theory and empirical methods for understanding, analyzing, and shaping policy for coupled human-natural systems.

The program is richly interdisciplinary, drawing from the following and other disciplines to develop skills for analyzing and addressing the problems where biology intersects with society:

- Anthropology.
- Bioethics.
- Biology.
- Ecology.
- Economics.
- Environmental ethics.
- Environmental studies.
- Ethics.
- History.
- History and philosophy of science.
- Justice studies.
- Law.
- Modeling.
- Nursing.
- Philosophy.
- Political science.
- Religious studies.

The concentration tailors individual programs of study to individual needs and interests, with a solid grounding in the life and related sciences and with rigorous analytical and multidisciplinary education. The three tracks offer suggested courses for those wishing to focus on these areas.

Degree Requirements: 30 credit hours and a Thesis.

An individual student's program is developed in consultation with the student's committee chair.

Admission Requirements: Individuals interested in applying to the M.S. in biology and society must:

- Complete the Graduate College online application.
- Send the general GRE scores (the subject examination is not required).
- Submit a writing sample.
- Submit a statement of educational background and interest relevant to this degree concentration.

Contact Information:

Liberal Arts & Sciences, College of
School of Life Sciences
http://sols.asu.edu/grad/bio_soc.php
LSC 226
sols.grad@asu.edu
480-965-1768

Biology (Biology and Society), PHD (LABIOSPHD)

Online Degree Search Title: Biology (Biology and Society) (PhD)

Campus: TEMPE

Program Description: Within the biology degree programs, students may choose a formal concentration in the areas where biology intersects with society. There are three tracks:

- Bioethics, policy and law.
- Ecology, economics, and ethics of the environment.
- History and philosophy of science.

The bioethics, policy and law track trains students in the pressing moral, policy and legal issues raised by the biosciences and biomedicine and in the disciplinary methods necessary to address these issues. The history and philosophy of science track trains students in the conceptual foundations of science, including especially the epistemological and methodological assumptions that shape science and its progress. Ecology, economics and ethics of the environment trains students in the theory and empirical methods for understanding, analyzing and shaping policy for coupled human-natural systems.

- Anthropology.
- Bioethics.
- Biology.
- Ecology.
- Economics.
- Environmental studies.
- Environmental ethics.
- Ethics.
- History.
- History and philosophy of science.
- Justice studies.
- Law.
- Modeling.
- Nursing.
- Philosophy.
- Political science.
- Religious studies.

The program is richly interdisciplinary, drawing from the following and other disciplines to develop skills for analyzing and addressing the problems where biology intersects with society:

The concentration tailors individual programs of study to individual needs and interests, with a solid grounding in the life and related sciences and with rigorous analytical and multidisciplinary education. The three tracks offer suggested courses for those wishing to focus on these areas.

Degree Requirements: 84 credit hours, a Written Comprehensive Exam, an Oral Comprehensive Exam, a Prospectus and a Dissertation.

- Eighty-four credit hours are required.
- Written and oral comprehensive examinations are required in order to advance to candidacy, and a formal defense of the final written dissertation is required prior to graduation.
- The plan of study is planned by the student and the supervisory committee, consisting of a major professor and four additional faculty members.
- The program is tailored to the needs of the individual student.
- Twelve hours of dissertation are required, and the remaining hours are comprised of course work showing breadth within the chosen track and the life sciences, seminars and research.

Admission Requirements: Students must submit an online application to the Graduate College.

- Select "Sciences (Life, Natural, Physical & Chemical)" as your degree program category.
- Select "Tempe" as your degree program campus.
- Select "Biology & Society Ph.D. Degree" as your degree program.
- Identify the specific Biology & Society Graduate Faculty member(s) you are interested in working with. This will ensure that these faculty members see your application and can participate in admissions and funding decisions:
 - Prepare and upload the Biology & Society Academic record form at http://sols.asu.edu/grad/pdf/biosoc_academic_record_form.doc (http://sols.asu.edu/grad/pdf/biosoc_academic_record_form.doc)

International Students: Students applying from outside of the U.S. will need to submit additional documents at http://graduate.asu.edu/admissions/international/visa_immigration (http://graduate.asu.edu/admissions/international/visa_immigration). Students whose native language is not English must provide evidence of English proficiency with acceptable scores on the Test of English as a Foreign Language (TOEFL) or International English Language Testing System (IELTS). TOEFL and IELTS scores must be current, with the test date within two years of the first day of classes of the semester you enroll at ASU. Students who wish to attend ASU while holding a student visa (F-1 or J-1) will need to submit a financial guarantee form at <http://graduate.asu.edu/forms> (<http://graduate.asu.edu/forms>).

The biology and society concentration within the biology doctoral program admits one cohort annually for plans of study that begin in the fall semester. The deadline for applications is Dec. 15 for students wishing to begin a program of study the following August. There is no guarantee that applications received after Dec. 15 will be reviewed. The biology and society concentration Ph.D. program usually notifies applicants of admissions status no later than the following April 15. Please check out our tips on applying for graduate study in the School of Life Sciences at http://sols.asu.edu/grad/apply_tips.php (http://sols.asu.edu/grad/apply_tips.php) for additional information.

Contact Information:

Liberal Arts & Sciences, College of
 School of Life Sciences
http://sols.asu.edu/grad/bio_soc.php
 LSC 226
 sols.grad@asu.edu
 480-965-1768

Chemistry, PHD (LACHEMPHD)

Online Degree Search Title: Chemistry (PhD)

Campus: TEMPE

Program Description: The graduate faculty in the Department of Chemistry and Biochemistry offer a program leading to the Ph.D. in chemistry. Areas of study include:

- Analytical chemistry.
- Biochemistry.
- Chemical education.
- Environmental and geochemistry.
- Inorganic and materials chemistry.
- Organic chemistry.
- Physical chemistry.

In addition to a broad range of individual research topics, the department also has a number of interdisciplinary programs:
 Energy Frontier Research Center for Bio-Inspired Solar Fuel Production (Prof. Devens Gust) (<http://chemistry.asu.edu/news/DeptHighlights.asp#5>) (<http://chemistry.asu.edu/news/DeptHighlights.asp#5>))
 Center for Membrane Proteins in Infectious Diseases, MPID (Prof. Petra Fromme) (<http://chemistry.asu.edu/news/Faculty.asp#6>) (<http://chemistry.asu.edu/news/Faculty.asp#6>)
 NASA Astrobiology Institute Team. "Follow the Elements" (Prof. Ariel Anbar) (<http://astrobiology.asu.edu>) (<http://astrobiology.asu.edu/>)

See <http://chemistry.asu.edu/graduate/facultyResearch.asp> (<http://chemistry.asu.edu/graduate/facultyResearch.asp>) for information on faculty research and <http://chemistry.asu.edu/graduate/facilities.asp> (<http://chemistry.asu.edu/graduate/facilities.asp>) for state-of-the-art facilities available for conducting high quality investigations. The Ph.D. in chemistry prepares students for professional careers in industry, government and

educational institutions.

Degree Requirements: 84 credit hours, a Written Comprehensive Exam, an Oral Comprehensive Exam, a Prospectus and a Dissertation.

- Six graduate courses selected by the student in consultation with his/her supervisory committee and based on the student's area of research.
- Enrollment each semester in CHM/BCH 501 seminar (up to eight semesters).
- Participation in yearly poster session.
- Doctoral comprehensive examination consisting of both a written and oral presentation of current research and an original research proposal.
- Minimum GPA of 3.0 or better.
- Research and dissertation appropriate for the Doctor of Philosophy Degree.
- Completion of a successful dissertation oral defense.
- Evidence of a publishable contribution of original research.

Admission Requirements: All applicants must submit an online Graduate College application and must meet the requirements set by the Graduate College, which can be found on the Graduate College website. The Department of Chemistry and Biochemistry requires official GRE scores be sent directly to the Graduate College by the Educational Testing Service. The subject test is not required but may be submitted to support the applicant's academic record.

In addition to the Graduate College admissions application, applicants for the Chemistry Ph.D. Program must complete an online departmental supplemental application. Information on the supplemental application can be found on the department website:

<http://chemistry.asu.edu/graduate/applicantInfo.asp> (<http://chemistry.asu.edu/graduate/applicantInfo.asp>).

Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Contact Information:

Liberal Arts & Sciences, College of
Department of Chemistry and Biochemistry
<http://chemistry.asu.edu/graduate>
PSD 209
chmgrad@asu.edu
480-965-4664

Communication, PHD (LACOMMOPHD)

Online Degree Search Title: Communication (PhD)

Campus: TEMPE

Program Description: The graduate faculty members of communication offer an interdisciplinary graduate program leading to the Ph.D. in communication. Concentrations are available in interpersonal, intercultural, and organizational communication.

The program is housed in the Hugh Downs School of Human Communication and is designed to prepare scholars for research-oriented careers in universities and in the public or private sectors. Students are provided training in communication theory, research methodology and a specialization in one or more areas of concentration. The goal of the program is to meet the needs of students whose interests transcend traditional disciplinary boundaries.

Degree Requirements: 96 credit hours, a Written Comprehensive Exam, an Oral Comprehensive Exam, a Prospectus and a Dissertation.

The Ph.D. requires a minimum of 66 hours beyond an appropriate master's degree.

Course work for a typical program of study is distributed as follows:

- COM 792 Research (12).
- COM 799 Dissertation (12).
- Area of concentration (36).
- Required core courses (6).

• Students are required to demonstrate proficiency in research methods (statistics, computer languages, content analysis methods, interviewing, participant observation, etc.) which, in the judgment of the supervisory committee, is needed for the student's dissertation research. Evidence of required proficiency may be demonstrated by established university examination procedures or by successful completion of a sequence of courses designated by the student's program committee.

• Students are required to take three credit hours of COM 792 R: Prospectus/Dissertation Practicum and three semester hours of COM 792 R: Seminar Assistant.

- Students must take one of the three advanced methods courses: COM 607 Contemporary Rhetorical Methods
COM 608 Multivariate Statistical Analysis of Data in Communication
COM 609 Advanced Qualitative Research Methods in Communication
- The required theory course is COM 604 Theory Construction in Communication.
- Two interdisciplinary theory and methodology courses are required of all students entering the program.

There is a Masters in Passing (MIP) option for students admitted with only a bachelor's. To receive an MIP, a student must complete a 10-hour qualifying exam (and an oral defense) in the semester after completing (or during the semester in which the student completes) 24 hours of graduate work with an average grade of B or higher. Typically, the qualifying exam takes place in the spring semester after the second year of graduate study.

Admission Requirements: Applicants must submit:

- An online Graduate College application.
- GRE scores.
- Official transcripts.
- Resume/CV.
- Statement of goals.
- Test of English as a Foreign Language (TOEFL) scores, if applicable.
- Three letters of recommendation.
- Writing sample.

Please visit the Hugh Downs School of Human Communication website for details.

Contact Information:

Liberal Arts & Sciences, College of
Hugh Downs School of Human Communication
<http://humancommunication.clas.asu.edu/>
STAUF 412
communication@asu.edu
480-965-5095

Communication Disorders, MS (LACOMDISMS)

Online Degree Search Title: Communication Disorders (MS)

Campus: TEMPE

Program Description: The faculty in the Department of Speech and Hearing Science offer a program leading to the M.S. in communication disorders. Thesis and nonthesis degree options are available. The speech-language pathology program is accredited by the Council on Academic Accreditation of the American Speech-Language-Hearing Association (ASHA).

Degree Requirements: 33 credit hours and a Written Comprehensive Exam (MIP), or 53 credit hours and a Written Comprehensive Exam, or 53 credit hours, a Thesis and a Written Comprehensive Exam.

The M.S. in communication disorders requires one of the following: 1) 53 credit hours and written comprehensive examination and a national certification examination, or 2) 53 credit hours and a thesis and a national certification examination, which includes 14 credits of practicum and internship.

Thesis Option

Students wishing to pursue the thesis option must complete 53 credit hours of course work, six hours of which must be thesis credit and 14 credits of which must be practicum and internship. The thesis must meet requirements established by the Graduate College.

Nonthesis Option

Students choosing the nonthesis option must complete 53 credit hours of course work, 14 of which must be practicum and internship.

Final Examinations

For the M.S. thesis option, two final examinations are required:

- The ASHA Praxis national certification examination in speech-language pathology.
- An oral defense of the thesis.

For the M.S. nonthesis option, two final examinations are required, 1) a department-administered comprehensive examination in speech-language pathology, and 2) the ASHA Praxis national certification examination in speech-language pathology.

Admission Requirements: Applicants must submit a Graduate College online application. Students applying for admission to this program should submit to the graduate admissions office:

- E-mail addresses of three recommenders.
- GRE scores.
- A statement of professional and academic goals not to exceed 300 words.
- Undergraduate transcripts.

All materials must be received by Jan. 15 for fall admission, which is the only term in which students may begin their program of study. Candidates who have undergraduate deficiencies may need to take required prerequisite courses.

Applicants whose native language is not English (regardless of where they now reside) must provide proof of English proficiency.

Contact Information:

Liberal Arts & Sciences, College of
Department of Speech and Hearing Science
<http://shs.asu.edu/>
COOR 2211
shsgrad@asu.edu
480-965-2374

Creative Writing, MFA (LACWRITMFA)

Online Degree Search Title: Creative Writing (MFA)

Campus: TEMPE

Program Description: The ASU Master of Fine Arts in creative writing has always been an unswervingly student-first program. Through small classes, intimate workshops and practicum, or one-to-one mentoring, the centuries-old apprenticeship model thrives within the New American University. Poets and fiction writers work with an outstanding faculty that has published more than 80 books and has garnered national and international attention through awards including:

- Guggenheim and NEA fellowships.
- Two Medals of Achievement from the National Society of Arts and Letters.
- A Pulitzer Prize.
- The Western States Book Award.
- The Walt Whitman Award from the Academy of American Poets.

M.F.A. students at ASU are among the best-funded in the nation: Every poet and fiction writer is offered a teaching assistantship and a Piper Fellowship, both renewable for each of the program's three years. A limited number of research assistantships are available to continuing students.

Degree Requirements: 48 credit hours, a Practicum and a Written Comprehensive Exam.

The M.F.A. creative writing program requires 48 credit hours of study evenly divided between writing courses and literature courses designed to inform that writing. While students are expected to satisfy these requirements in the genre in which they were accepted, the program encourages cross-genre study, and electives can include courses taken outside of the creative writing program, even outside the English department. A practicum project and a written comprehensive exam are required.

Admission Requirements: Applicants must submit an online Graduate College application.

Applicants should have an undergraduate major in English or creative writing, with a GPA of 3.00 or above (4.00 scale); however, exceptional students who do not have either of these undergraduate majors may be admitted on the basis of writing excellence. Applicants must submit three copies of the creative manuscript (20 pages of poetry, 30 pages of prose, or both) and three letters of recommendation directly to:

Creative Writing Program
Department of English, ASU
P.O. Box 870302
Tempe, AZ, 85287-0302

Mail transcripts to:

ASU Graduate College
P.O. Box 871003
Tempe, AZ 85287-1003

Submit the remaining parts of the application online to the Graduate College:

- Application fee.
- A personal statement including your writing background, intended area of specialization, a brief self-evaluation of recent work, and goals.
- Resume or curriculum vitae.
- A teaching assistant application.

Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency. The application deadline is Jan. 1. The program admits for the fall semester only.

Contact Information:

Liberal Arts & Sciences, College of
Department of English
<http://english.clas.asu.edu/cw-admission>
PWH 205

enggrad@asu.edu
480-965-3528

East Asian Languages and Civilizations (Chinese), PHD (LAEALCPHD)

Online Degree Search Title: East Asian Languages and Civilization (PhD)

Campus: TEMPE

Program Description: The Ph.D. program in East Asian languages and civilizations is a research-intensive, interdisciplinary, area-based degree in the study of traditional and modern languages and cultures of China and Japan. Students may focus on:

- Comparative cultural studies.
- Cultural history or linguistics.
- Literary criticism.
- Literature.

In every case, students will be expected to acquire a solid grounding in the classical and modern versions in the primary language of their area.

Degree Requirements: 84 credit hours, two Foreign Language Exams, a Written Comprehensive Exam, an Oral Comprehensive Exam, a Prospectus and a Dissertation.

The program requires a minimum of 84 credit hours of which 30 hours from an earned master's degree program that is directly relevant to the Ph.D. program may be counted toward that requirement. However, a minimum of 30 credit hours of course work and 24 hours of research are required beyond the M.A. level. If a student already has an M.A., it will not be necessary to complete the existing School of International Letters and Cultures M.A. in Asian languages and civilizations. However, the student will be required to satisfy all course requirements for the M.A.

All students, whether in Chinese or Japanese, must comply with the following requirements:

- Complete a minimum of six courses selected from advanced courses in literature, religions or intellectual history.
- Complete five seminars. Complete SLC 500 Theory and Methodology in East Asian Literature and Culture.
- Complete twelve core requirements. Submit a dissertation and pass an oral defense of that dissertation.
- Demonstrate reading knowledge of a second pertinent Asian language and one pertinent European language, aside from English.
- Pass written and oral comprehensive examinations in four fields, three of which must be selected from areas that are well-represented within the East Asian languages and civilizations Ph.D. graduate curriculum.

Admission Requirements: Potential applicants who hold a bachelor's degree from a regionally accredited institution in a related field are eligible to apply to the program. The following entry-level competencies are needed for admission to the program:

Chinese concentration

Completion of at least three years of modern Chinese and one year of classical Chinese.

Japanese concentration

Completion of at least three years of modern Japanese and one semester of classical Japanese.

All applicants are required to submit:

- A statement of career and educational goals.
- An online Graduate College application.
- Official GRE scores.
- Official transcripts of all undergraduate and graduate course work.
- Three letters of recommendation (two of which should be academic recommendations).

Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Regular admission may be granted to applicants who have achieved a GPA of 3.30 (4.00 scale) or better in the last two years of work leading to the bachelor's and who are competitive in the applicant pool as evidenced by GRE scores (verbal, quantitative and analytical), the statement of career and educational goals and the letters of recommendation.

See department website for more information.

Contact Information:

Liberal Arts & Sciences, College of

School of International Letters and Cultures

<http://silc.asu.edu/graduate/degrees/phd-chinese>

LL 440

silc@asu.edu

480-965-2715

English, MA (LAENGLMA)

Online Degree Search Title: English (MA)

Campus: TEMPE

Program Description: The M.A. in English encompasses four distinct concentrations. Literature students develop and hone skills in oral presentation, writing and critical thinking while exploring social, historical and cultural contexts.

In the broad-based and global linguistics concentration, students study theory and application focusing on phonology, syntax, sociolinguistics, historical linguistics and second language acquisition.

The rhetoric and composition concentration offers a wide array of courses encompassing the history, theory and practice of rhetoric and pedagogy of writing.

Comparative literature students interpret cultural productions in English and at least one other language, and explore approaches ranging from textual criticism, critical theory and translation to cultural studies and the social sciences.

The M.A. in English prepares students to be teachers, scholars, writers and editors and to work in a variety of professions, including government, advertising, fundraising and public relations.

Degree Requirements: 30 credit hours including the required course (LIN 593 or ENG 593), a Foreign Language Exam, and an Applied Project, or 30 credit hours, a Thesis and a Foreign Language Exam, or 33 credit hours and a Written Comprehensive Exam (MIP).

A student may pursue a concentration in comparative literature, English linguistics, literature or rhetoric and composition. All concentrations have a foreign language requirement.

For the concentration in comparative literature, course work must include:

- One course in comparative literary and cultural studies.
- One course in criticism and theory.
- One course in theory and problems of translation.
- Four courses in a language other than English.
- Two courses in concepts and methodology (one of which must be bibliographical methods).

For the concentration in English linguistics, two tracks are available:

The applied linguistics track must include: LIN 500; 511 or 514; 515 or 516; and 520 and a course from a selection of advanced linguistics courses.

The general linguistics track must include: LIN 500, 511, 514 and 515 and one advanced linguistics course.

For the concentration in literature, course work must include:

- A course in literary theory.
- ENG 500 Research Methods.
- A nine-credit-hour distribution requirement.
- Two courses selected must be graduate seminars at the 600 level.

For the concentration in rhetoric and composition, course work must include:

- A course in composition theory.
- A course in rhetoric theory.
- ENG 500 Research Methods.
- Fifteen elective course work hours, that must include six credit hours of graduate seminars at the 600 level.

Admission Requirements: Applicants must submit a Graduate College online application.

The application deadline is Jan. 15 for most programs. Linguistics has a Sept. 15 deadline for spring and deadlines of Jan. 15 and April 15 for fall admission.

Applicants for the M.A. in English program with a concentration in literature are required to have an undergraduate major in English. Those who do not have a major in English are encouraged to register as nondegree students while they take courses in areas of deficiency, as identified by the advisor. They must also submit:

- An academic writing sample relevant to the field.
- GRE general test scores.
- A resume.
- A statement of purpose.
- Three letters of recommendation.

Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Applicants for the M.A. in English program with a concentration in linguistics and with a concentration in rhetoric and composition may have undergraduate majors in fields such as, but not limited to:

- Anthropology.
- Applied linguistics.
- Cognitive science.
- Communication.

- Comparative languages and literatures.
- Education.
- English literature.
- History.
- Law.
- Linguistics.
- Modern languages.
- Philosophy.
- Political science.
- Psychology.
- Religion.
- Rhetoric/composition.
- Sociology.
- Speech and hearing science.

Students should consult with an advisor to determine whether their preparation is deficient in any area. Applicants must also submit:

- Three letters of recommendation.
- A resume.
- A statement of purpose.

Applicants for the rhetoric and composition concentration must also submit 1) an academic writing sample relevant to the field, and 2) GRE general test scores.

Applicants for the linguistics concentration must show completion of one upper-division course in a linguistics-related field.

Applicants for the M.A. in English program with a concentration in comparative literature must prove fluency in a foreign language to a level sufficient for graduate study. Other documents required include:

- An academic writing sample relevant to the field.
- A statement of purpose.
- Three letters of recommendation.

Contact Information:

Liberal Arts & Sciences, College of
 Department of English
<http://english.clas.asu.edu/graduate>
 LL 543B
 enggrad@asu.edu
 480-965-3194

English (Literature), PHD (LAENLITPHD)

Online Degree Search Title: English Literature (PhD)

Campus: TEMPE

Program Description: The Ph.D. literature program at ASU promotes the study of the production, distribution and reception of texts; of their linguistic, rhetorical and literary structures and functions; and of the internal and external forces shaping literature. The program offers courses that utilize chronological, generic and somatic approaches with an emphasis on literary history and critical theory, as well as diverse contents and methodologies. Many courses explore issues relating to gender, class, race and ethnicity. The program prepares students for entrance into the profession as teachers and scholars.

Degree Requirements: 84 credit hours, a Foreign Language Exam, a Written Comprehensive Exam, an Oral Comprehensive Exam, a Prospectus and a Dissertation.

The Ph.D. program requires:

- A dissertation.
- Eighty-four credit hours.
- A foreign language requirement.
- A written and oral exam. See for details: <http://english.clas.asu.edu/gradstudies-exam> (<http://english.clas.asu.edu/gradstudies-exam>).

A student with an appropriate master's must complete a minimum of 54 credit hours of approved graduate work, which includes 12 credit hours of dissertation, provided the student's master's is accepted by the supervisory committee and the academic unit. Research hours may be used towards course work in consultation with the advisor. A student without an appropriate master's must complete 84 credit hours of work at ASU. At the advisor's discretion, students may include up to 12 credit hours of appropriate, graduate-level course work undertaken at another university, and not previously counted towards any other degree.

Specifically required are six credit hours in theory courses and ENG 500 Research Methods. Students must complete (or have completed at the master's level or its equivalent) one graduate course in eight of the following 10 categories:

- Cultural studies.
- Ethnic studies.
- Gender studies.
- Genre.
- History/structure of the English language.
- Literature 1500-1660.
- Literature 1660-1900.
- Literature since 1900.
- Literature to 1500.
- Postcolonial/Anglophone literatures.

Students must take at least five graduate seminars at the 600 level en route to the doctorate, at least three of which must be taken in the doctoral program. Up to 12 credit hours taken outside the department may be counted toward the degree. Students should consult with their supervisory committees when choosing electives.

Admission Requirements: Applicants must submit a Graduate College online application. Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Applicants for the Ph.D. degree in English (literature) must also submit:

- An academic writing sample.
- Curriculum vitae.
- GRE general scores (subject scores are optional).
- A statement of purpose.
- Three letters of recommendation.

Deadline for admission applications and requests for financial aid, including teaching assistantships, is Jan. 15. Incomplete files are not considered.

Contact Information:

Liberal Arts & Sciences, College of
Department of English
<http://english.clas.asu.edu/graduate>
LL 543B
enggrad@asu.edu
480-965-3194

English (Rhetoric, Composition and Linguistics), PHD (LAENRHTPHD)

Online Degree Search Title: Rhetoric/Composition/Linguistics (PhD)

Campus: TEMPE

Program Description: The Ph.D. in rhetoric, composition and linguistics at Arizona State University promotes the study of the production, distribution and interpretation of oral and written texts. Using classical and contemporary theories, methods and contexts, rhetoric and composition courses emphasize rhetorical strategies of oral, written, material and digital texts. Linguistics courses focus on the structure, function and acquisition of language and on its cognitive, oral, social and textual contexts. Requirements are designed to encourage a full understanding of theoretical and applied aspects of rhetoric, composition and linguistics and their intersection. The program encourages interdisciplinary study, and its flexible requirements enable students to pursue those aspects of the disciplines that interest them the most. The program prepares students for entrance into the field as teachers, scholars and professionals.

Degree Requirements: 84 credit hours, a Foreign Language Exam, a Written Comprehensive Exam, a Prospectus and a Dissertation, or 84 credit hours, a Foreign Language Exam, an Oral Comprehensive Exam, a Prospectus and a Dissertation.

The Ph.D. program requires:

- A dissertation.
- Eighty-four credit hours.
- A foreign language requirement.
- A written and oral examination, see <http://english.clas.asu.edu/gradstudies-exam> (<http://english.clas.asu.edu/gradstudies-exam>) for details.

In general, a student with an appropriate master's must complete 54 credit hours of approved graduate work, which includes 12 credit hours of dissertation. Research hours may be used toward course work in consultation with the advisor. A student without an appropriate master's usually must complete 84 credit hours of work at ASU. At the advisor's discretion, students may include up to 12 credit hours of appropriate, graduate-level course work undertaken at another university and not previously counted toward any other degree.

Course Work Requirements

Research Methods (3): Students must take ENG/LIN 500 or its equivalent.

Foundational Distribution (12): Foundational courses are offered at the 500 level, but also may include courses completed as masters' level work at other universities. Students must complete at the 500 level (or equivalent):

- One course in composition studies.
- One course in rhetoric.
- Two courses in linguistics.

Advanced Studies Distribution (12): Advanced studies courses are offered at the 600 level or above. Students may choose to take 600-level courses required by the distribution from one area of study (rhetoric, composition or linguistics) or a combination of areas in which they would like to concentrate. It is assumed that a student will have taken a foundational level course prior to taking an advanced studies course, especially when the area of study is new for the student.

Continuing Concentration: Students may choose to take other foundational (500 or equivalent) and advanced (600 and above or equivalent) courses in any one of the areas of concentration or a combination of areas in which they would like to concentrate. Students should consult with an advisor when selecting additional courses for concentration. It is expected that some of these continuing courses will include ENG or LIN 790 and 792 used in preparation for the doctoral examination.

Note: Special topic courses (ENG 598, LIN 548, LIN 598) and seminars (ENG 591, LIN 591) may fulfill some of the distribution requirements at the foundational (500-level) and advanced studies (600-level) levels. Students should consult with an advisor when choosing these courses.

Interdisciplinary Option (up to 12): Students are encouraged to take up to 12 hours of courses outside the department to count toward the degree. Those courses may fulfill some of the foregoing requirements at the foundational and advanced studies distribution, or be taken in addition to those required by the distribution. Students should consult with an advisor when choosing these courses.

Admission Requirements: Applicants must submit a Graduate College online application.

Supporting documents include:

- An academic writing sample.
- A curriculum vitae.
- GRE general test scores.
- Official transcripts.
- A statement of purpose.
- Three letters of recommendation.

Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Deadline for admission applications and teaching assistantships, is Jan. 15. Incomplete files are not considered.

Contact Information:

Liberal Arts & Sciences, College of

Department of English

<http://english.clas.asu.edu/>

LL 543B

enggrad@asu.edu

480-965-3194

Environmental Life Sciences, PHD (LAELSPHD)

Online Degree Search Title: Environmental Life Sciences (PHD)

Campus: TEMPE

Program Description: Environmental life sciences is a novel graduate degree that provides doctorate-level training in several complementary fields focused on interactions between organisms (e.g., plant, animal or microbe) and their environment. The program provides transdisciplinary training that includes aspects of:

- Biology.
- Chemistry/biochemistry.
- Environmental engineering.
- Geosciences.
- Mathematics.
- Social sciences.
- Sustainability.

Graduate students are trained in:

- Core classes.
- Seminars.
- Reading groups.

- Research clusters.

We focus on collaborative and integrative study of the effects of environmental variation on fluxes of materials and energy across scales ranging from the organism to the globe. Our overall goal is to provide a unique Ph.D. program that produces students with a broad appreciation of environment-organism questions in the context of natural and anthropogenic environmental change.

Degree Requirements: 84 credit hours, a Written Comprehensive Exam, an Oral Comprehensive Exam, a Prospectus and a Dissertation.

As specified in each student's plan of study, the total number of credit hours should consist of:

- Seven credit hours of core courses.
- A minimum of nine hours of electives.
- Twelve hours of dissertation credit (ELS 799).

Beyond these 28 credit hours, the remaining credit hours should be filled from electives or from the ELS omnibus courses (such as Doctoral Internship or Doctoral Reading and Conference), up to the required number of total credit hours (54 if entering with a master's or 84 with a bachelor's).

Admission Requirements: Students must submit an online application to the Graduate College. Applicants must possess a minimum of a bachelor's (or equivalent) or a graduate degree from a regionally accredited college or university or of recognized standing in a related field. They must have had a minimum of a 3.00 cumulative GPA (4.00 scale) in the last 60 hours of their first bachelor's degree. All applicants must submit GRE results.

Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Contact Information:

Liberal Arts & Sciences, College of

School of Life Sciences

<http://els.asu.edu/>

LSE 421

sols.grad@asu.edu

480-965-1768

Environmental Social Science, PHD (LAESSPHD)

Online Degree Search Title: Environmental Social Science (PhD)

Campus: TEMPE

Program Description: The Ph.D. in environmental social science is one of the few doctoral programs in the U.S. that draws on the premise that reducing human impacts and developing more sustainable environmental practices will be difficult, if not impossible, to achieve without a focus on the social dynamics of environmental issues using critical social science perspectives.

The program is organized around theoretically based conceptual domains:

- Culture and the environment.
- Environmental hazards and vulnerability.
- Environmental justice.
- Human environment impacts.
- Political ecology.
- Science and technology studies.

These are the basis for addressing various topical foci, including urban environments, technologies and their consequences, landscapes, institutions and health and the environment.

Students will work with faculty who have expertise in a broad range of fields including:

- Archaeology.
- Community resources.
- Cultural and medical anthropology.
- Demography.
- Environmental history.
- Geographic information systems.
- Human and physical geography.
- Planning.
- Public affairs.
- Science and technology studies.
- Sociology.

The program will train students to move into teaching and research positions, or to assume leadership roles in:

- Government.
- Industry.
- Nongovernmental organizations.

Course work for the degree is focused on developing real-world skills and a solid grasp of complex social science approaches to environmental issues. Students work closely with their committee to develop a curriculum appropriate to their chosen interests and career goals.

Degree Requirements: 84 credit hours, a Written Comprehensive Exam, an Oral Comprehensive Exam, a Prospectus and a Dissertation. Students entering with an master's in a related field may be granted up to 30 credit hours toward the 84 hour total required for the doctorate. This leaves 30 hours of course work, 12 hours of research credit and 12 hours of dissertation credit (54 credit hours total) to be earned post-admission. Students entering without an master's must earn an additional 30 hours of graduate credit, produce a research portfolio which is formally evaluated by a faculty committee and present that research in a public forum before continuing on in the later stage of the doctorate. All students must 1) maintain a "B-" (3.20) average GPA in their courses, and 2) complete degree requirements per the program's satisfactory progress policy.

All students entering the program complete 18 hours of core classes in conceptual domains and topical foci. Additional hours come from courses in research design, technical expertise and electives. Students may select from a substantial range of courses to satisfy noncore requirements.

Admission Requirements: Students must submit an online application to the Graduate College. The application deadline is Dec. 15 for admission in the following fall. There are no spring admissions. In addition to the general requirements for admission to the Graduate College, applicants must also provide:

- A statement of purpose outlining career and educational goals.
- A current curriculum vitae or resume.
- An optional sample of their written work.
- Three letters of recommendation.
- Official GRE scores.
- Transcripts of all undergraduate and graduate course work.

Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Undergraduate course work in the social sciences is not a prerequisite for admission, but is generally advisable. Students may be admitted without such a background and may be required to acquire knowledge of general anthropology in a manner to be specified at the time of admission.

Contact Information:

Liberal Arts & Sciences, College of
 School of Human Evolution & Social Change
<http://shesc.asu.edu/>
 SHESC 233
 shescgrad@asu.edu
 480-965-6215

Environmental Social Science (Urbanism), PHD (LAESSURPHD)

Online Degree Search Title: Environmental Social Science (Urbanism) PHD

Campus: TEMPE

Program Description: The doctor of philosophy in environmental social science is one of the few doctoral programs in the U.S. that focuses on the social dynamics of environmental issues using critical social science perspectives, which are a vital component of reducing human impacts and developing more sustainable environmental practices.

The program is organized around theoretically based conceptual domains:

- Culture and the environment.
- Environmental hazards and vulnerability.
- Environmental justice.
- Human environment impacts.
- Political ecology.
- Science and technology studies.

These are the basis for addressing various topical foci, including urban environments, technologies and their consequences, landscapes, institutions and health and the environment.

The concentration in urbanism will leverage the varied interests in urbanism and help emerging scholars as they attempt to compare, contrast and take stock of urbanism. Working with faculty from across a range of departments and programs at ASU, doctoral students will be able to capture the creative tensions that scholarship on urbanism has inspired in order to stimulate a provocative, constructive kind of inquiry. Academic units the students might engage with to fulfill the requirements of the urbanism concentration include:

- Herberger Institute for Design and the Arts.
- School of Community Resources and Development.
- School of Geographical Sciences and Urban Planning.
- School of Historical, Philosophical and Religious Studies.
- School of Human Evolution and Social Change.
- School of Politics and Global Studies.
- School of Sustainability.

The environmental social science program will train students to move into teaching and research positions, or to assume leadership roles in:

- Government.
- Industry.
- Nongovernmental organizations.

Course work for the degree is focused on developing real-world skills and a solid grasp of complex social science approaches to environmental issues. Students work closely with their committee to develop a curriculum appropriate to their chosen interests and career goals.

Degree Requirements: 84 credit hours, a Written Comprehensive Exam, an Oral Comprehensive Exam, a Prospectus and a Dissertation.

Students entering with a master's in a related field may be granted up to 30 credit hours toward the 84 hour total required for the doctorate. This leaves 30 hours of course work, 12 hours of research credit and 12 hours of dissertation credit (54 credit hours total) to be earned post-admission. Students entering without a master's must earn an additional 30 hours of graduate credit, produce a research portfolio which is formally evaluated by a faculty committee, and present that research in a public forum before continuing on in the later stage of the doctorate.

All students must 1) maintain a "B-" (3.20) average GPA in their courses, and 2) complete degree requirements per the program's satisfactory progress policy.

All students entering the program complete 18 hours of core classes in conceptual domains and topical foci. For the concentration in urbanism, 15 credit hours will be selected from an approved list of applicable courses related to urbanism. Some of the environmental social science core courses also count toward the concentration in urbanism. These courses will include the core urbanism course, GCU 516, as well as one course from each of the four urbanism clusters:

- Built form.
- Culture and society.
- Natural environment.
- Institutions and governance.

Additional hours come from courses in research design, technical expertise and electives. Students may select from a substantial range of courses to satisfy noncore requirements.

Admission Requirements: Students must submit an online application to the Graduate College. The application deadline is Dec. 15 for admission in the following fall. There are no spring admissions. In addition to the general requirements for admission to the Graduate College, applicants must also provide:

- A statement of purpose outlining career and educational goals.
- A current curriculum vitae or resume.
- An optional sample of their written work.
- Three letters of recommendation.
- Official GRE scores.
- Transcripts of all undergraduate and graduate course work.

While undergraduate work in one of the social sciences (e.g., geography, political science, sociology, anthropology, planning or history) is not required, some course work in the social sciences is advantageous for admission. Students may be admitted without such a background and may be required to acquire knowledge of the social sciences in a manner to be specified at the time of admission.

Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Contact Information:

Liberal Arts & Sciences, College of
 School of Human Evolution & Social Change
<http://shesc.asu.edu/>
 SHESC 233
 shescgrad@asu.edu
 480-965-6215

Evolutionary Biology, PHD (LAEVOPHD)

Online Degree Search Title: Evolutionary Biology (PhD)

Campus: TEMPE

Program Description: Evolutionary biology is an interdisciplinary graduate degree program that will provide doctorate-level training in the historical, conceptual, empirical and quantitative aspects of biological evolution. Evolution cuts across the biological sciences in ways that few other foci do:

- Allows integration of information and patterns across levels of organization.
- Informs the theoretical foundations of subfields ranging from population genetics to systematics to ecosystem ecology.
- Provides bridges between temporal and spatial scales.

Forgoing emphases on particular taxa or methods, the program focuses on understanding the patterns and processes that have and continue to shape life on Earth, training the next generation of scientists to use this knowledge to meet present and future challenges to the biosphere and human health in the face of increasing environmental perturbation.

Degree Requirements: 84 credit hours, a Written Comprehensive Exam, an Oral Comprehensive Exam, a Prospectus and a Dissertation.

- Core Requirements (5).
- EVO 601 Principles of Evolution (3)
- EVO 610 Research Areas of Evolution (2)
- Elective Courses (13). The department and the student's advisor will determine these courses in conjunction with the student.
- Research, course work and/or 30 credit hours from a previously awarded master's (54).
- Dissertation (12).

Admission Requirements:

- All applicants will submit the Graduate College online application.
- The applicant must have a baccalaureate degree from a regionally accredited institution in the U.S. or an international equivalent degree.
- A minimum GPA of 3.00 (4.00 scale) must have been earned in the student's last 60 hours of their bachelor's program.
- The GRE is required.
- All applicants whose native language is other than English must meet English proficiency requirements.

Contact Information:

Liberal Arts & Sciences, College of
School of Life Sciences
http://sols.asu.edu/grad/evo_bio.php
LSA 260
msr@asu.edu
480-965-1578

Exploration Systems Design, PHD (LAESDPHD)

Online Degree Search Title: Exploration Systems Design (PhD)

Campus: TEMPE

Program Description: The Ph.D. in exploration systems design offers students an advanced systems approach for developing scientific exploration technologies in a wide range of demanding environments on the Earth, planets, moons and space. This transdisciplinary degree program provides a unique platform to train systems engineers targeting technological development for exploration science. This collaborative program between the School of Earth and Space Exploration (SESE) and the Fulton Schools of Engineering allows students to specialize in topics related to planetary exploration, astronomical instrumentation, robotics, sensors and sensor networks. The curriculum will integrate SESE's science, instrumentation and systems engineering core courses with related course work from the Fulton Schools of Engineering. Students must select a concentration as part of this degree program. Concentrations are available in instrumentation, systems engineering or sensor networks.

Degree Requirements: 84 credit hours, a Written Comprehensive Exam, an Oral Comprehensive Exam, a Prospectus and a Dissertation. The exploration systems design doctorate requires:

- Six credit hours of core courses.
- Nine credit hours of course work specific to the concentration.
- All SESE students are also required to take two two-credit seminars: GLG500 (Colloquium) and GLG591 (Faculty Research Seminar).
- 12 credit hours of SES 799 Dissertation.

Admission Requirements:

- Submit an online application to the Graduate College.
- Minimum of a bachelor's (or equivalent) or a graduate from a regionally accredited college or university of recognized standing in a related field

such as engineering, computer science, geological sciences or physics is required.

- Minimum of a 3.00 cumulative GPA (scale is 4.00=A) in the last 60 hours of a student's bachelor's program.
- General GRE.

Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Applications for fall admission are due by Dec. 15 of the previous year.

Instrumentation Concentration:

An undergraduate degree in electrical engineering, aerospace engineering or mechanical engineering is preferred.

Systems Engineering Concentration:

Successful completion of a senior capstone/design project is an admission requirement for this concentration. For students who have not had a design course, they are required to take SES 405 Systems Engineering as a deficiency course.

Sensor Networks Concentration:

An undergraduate degree in electrical engineering or computer science is preferred.

Contact Information:

Liberal Arts & Sciences, College of
School of Earth and Space Exploration
<http://sese.asu.edu>
PSF 686
seseinfo@asu.edu
480-965-5081

Exploration Systems Design (Instrumentation), PHD (LAESDIPHD)

Online Degree Search Title: Exploration Systems Design (Instrumentation) PhD

Campus: TEMPE

Program Description: The Ph.D. in exploration systems design offers students an advanced systems approach for developing scientific exploration technologies in a wide range of demanding environments on the Earth, planets, moons and space. This transdisciplinary degree program provides a unique platform to train systems engineers targeting technological development for exploration science. This collaborative program between the School of Earth and Space Exploration (SESE) and the Fulton Schools of Engineering allows students to specialize in topics related to planetary exploration, astronomical instrumentation, robotics, sensors and sensor networks. The curriculum will integrate SESE's science, instrumentation and systems engineering core courses with related course work from the Fulton Schools of Engineering. Students must select a concentration as part of this degree program. Concentrations are available in instrumentation, systems engineering or sensor networks.

Degree Requirements: 84 credit hours, a Written Comprehensive Exam, an Oral Comprehensive Exam, a Prospectus and a Dissertation.

The exploration systems design doctorate requires:

- Six credit hours of core courses.
- Nine credit hours of course work specific to the concentration.
- All SESE students are also required to take two 2-credit seminars: GLG500 (Colloquium) and GLG591 (Faculty Research Seminar).
- 12 credit hours of SES 799 Dissertation.

Admission Requirements:

- Submit an online application to the Graduate College.
- Minimum of a bachelor's (or equivalent) or a graduate from a regionally accredited college or university of recognized standing in a related field such as engineering, computer science, geological sciences or physics is required.
- Minimum of a 3.00 cumulative GPA (scale is 4.00=A) in the last 60 hours of a student's bachelor's program.
- General GRE.

Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Applications for fall admission are due by Dec. 15 of the previous year.

Instrumentation Concentration:

An undergraduate degree in electrical engineering, aerospace engineering or mechanical engineering is preferred.

Systems Engineering Concentration:

Successful completion of a senior capstone/design project is an admissions requirement for this concentration. For students who have not had a design course, they are required to take SES 405 Systems Engineering as a deficiency course.

Sensor Networks Concentration:

An undergraduate degree in electrical engineering or computer science is preferred.

Contact Information:

Liberal Arts & Sciences, College of
School of Earth and Space Exploration
<http://sese.asu.edu>

PSF 686
seseinfo@asu.edu
480-965-5081

Exploration Systems Design (Sensor Networks), PHD (LAESDSNPHD)

Online Degree Search Title: Exploration Systems Design (Sensor Networks) PhD

Campus: TEMPE

Program Description: The Ph.D. in exploration systems design offers students an advanced systems approach for developing scientific exploration technologies in a wide range of demanding environments on the Earth, planets, moons and space. This transdisciplinary degree program provides a unique platform to train systems engineers targeting technological development for exploration science. This collaborative program between the School of Earth and Space Exploration (SESE) and the Fulton Schools of Engineering allows students to specialize in topics related to planetary exploration, astronomical instrumentation, robotics, sensors and sensor networks. The curriculum will integrate SESE's science, instrumentation and systems engineering core courses with related course work from the Fulton Schools of Engineering. Students must select a concentration as part of this degree program. Concentrations are available in instrumentation, systems engineering or sensor networks.

Degree Requirements: 84 credit hours, a Written Comprehensive Exam, an Oral Comprehensive Exam, a Prospectus and a Dissertation. The exploration systems design doctorate requires:

- Six credit hours of core courses.
- Nine credit hours of course work specific to the concentration.
- All SESE students are also required to take two 2-credit seminars: GLG500 (Colloquium) and GLG591 (Faculty Research Seminar).
- 12 credit hours of SES 799 Dissertation.

Admission Requirements:

- Submit an online application to the Graduate College.
- Minimum of a bachelor's (or equivalent) or a graduate from a regionally accredited college or university of recognized standing in a related field such as engineering, computer science, geological sciences or physics is required.
- Minimum of a 3.00 cumulative GPA (scale is 4.00=A) in the last 60 hours of a student's bachelor's program.
- General GRE.
- Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Applications for fall admission are due by Dec. 15 of the previous year.

Instrumentation Concentration:

An undergraduate degree in electrical engineering, aerospace engineering or mechanical engineering is preferred.

Systems Engineering Concentration:

Successful completion of a senior capstone/design project is an admissions requirement for this concentration. For students who have not had a design course, they are required to take SES 405 Systems Engineering as a deficiency course.

Sensor Networks Concentration:

An undergraduate degree in electrical engineering or computer science is preferred.

Contact Information:

Liberal Arts & Sciences, College of
School of Earth and Space Exploration
<http://sese.asu.edu>
PSF 686
seseinfo@asu.edu
480-965-5081

Exploration Systems Design (Systems Engineering), PHD (LAESDSEPHD)

Online Degree Search Title: Exploration Systems Design (Systems Engineering) PhD

Campus: TEMPE

Program Description: The Ph.D. in exploration systems design offers students an advanced systems approach for developing scientific exploration technologies in a wide range of demanding environments on the Earth, planets, moons and space. This transdisciplinary degree program provides a unique platform to train systems engineers targeting technological development for exploration science. This collaborative program between the School of Earth and Space Exploration (SESE) and the Fulton Schools of Engineering allows students to specialize in topics related to planetary exploration, astronomical instrumentation, robotics, sensors and sensor networks. The curriculum will integrate SESE's science, instrumentation and systems engineering core courses with related course work from the Fulton Schools of Engineering. Students must select a concentration as part of this degree program. Concentrations are available in instrumentation, systems engineering or sensor networks.

Degree Requirements: 84 credit hours, a Written Comprehensive Exam, an Oral Comprehensive Exam, a Prospectus and a Dissertation.

The exploration systems design doctorate requires:

- Six credit hours of core courses.
- Nine credit hours of course work specific to the concentration.
- All SESE students are also required to take two 2-credit seminars: GLG500 (Colloquium) and GLG591 (Faculty Research Seminar).
- 12 credit hours of SES 799 Dissertation.

Admission Requirements:

- Submit an online application to the Graduate College.
- Minimum of a bachelor's (or equivalent) or a graduate from a regionally accredited college or university of recognized standing in a related field such as engineering, computer science, geological sciences or physics is required.
- Minimum of a 3.00 cumulative GPA (scale is 4.00=A) in the last 60 hours of a student's bachelor's program.
- General GRE.

Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Applications for fall admission are due by Dec. 15 of the previous year.

Instrumentation Concentration:

An undergraduate degree in electrical engineering, aerospace engineering or mechanical engineering is preferred.

Systems Engineering Concentration:

Successful completion of a senior capstone/design project is an admissions requirement for this concentration. For students who have not had a design course, they are required to take SES 405 Systems Engineering as a deficiency course.

Sensor Networks Concentration:

An undergraduate degree in electrical engineering or computer science is preferred.

Contact Information:

Liberal Arts & Sciences, College of
School of Earth and Space Exploration

<http://sese.asu.edu>

PSF 686

seseinfo@asu.edu

480-965-5081

Family and Human Development, MS (LAFAMHDMS)

Online Degree Search Title: Family and Human Development (MS)

Campus: TEMPE

Program Description: The program in family and human development is devoted to the study of families, children and youth. The program's research, teaching and service have direct meaning for the lives of children and adults and the families and communities in which they live. The faculty share a common commitment to high-quality research that both increases the basic understanding of human and family development and has the potential to contribute to the improvement of the lives of children and families.

Degree Requirements: 31 credit hours and a Thesis, or 34 credit hours and a Thesis (MIP).

Courses are selected by the student along guidelines of the specific areas, after consultation with the supervisory committee. The plan of study should be completed and approved by the supervisory committee once completing 50 percent of the minimum required credit hours for the degree.

A minimum of 31 credit hours is required. Acceptance of the proposed plan of study must be verified by signature of the chair and supervisory committee members. After approval within the program or college, the plan of study is submitted to the Graduate College for final approval.

The following requirements must be met for the tracks in child development or family studies. All students must take the following courses (or equivalent with the approval of the graduate committee):

CDE 531 Theoretical Issues in Child Development

CDE 534 Risk and Resiliency

FAS 500 Research Methods

FAS 531 Theoretical Issues in Family Sciences

PSY 530 Intermediate Statistics

Child Development

The required courses are 1) CDE 533, and 2) six credit hours of CDE elective selected (with approval of the student's advisor). Six credit hours of thesis work are also required.

Family Relationships

The required courses are 1) FAS 539, and 2) six credit hours of FAS electives (selected with approval of the student's advisor). Six credit hours of thesis work are also required.

Admission Requirements: Admission to the M.S. in family and human development program is determined by the following criteria:

- Online application to the Graduate College.
- A resume or curriculum vitae.
- A Test of English as a Foreign Language (TOEFL) score of at least 600 is required of all applicants whose native language is not English.
- Official transcripts of all undergraduate and graduate course work.
- Statement of goals relevant to the M.S. program.
- Three letters of recommendation.
- Verbal, quantitative and analytical GRE scores.

Applications, which are due Jan. 1, should be completed by submitting the online Graduate College application. As part of the online application the applicant will submit their resume or curriculum vitae, statement of goals and the names and email addresses for their three recommenders. Letters of recommendation will be received electronically.

After submitting the graduate application, official collegiate transcripts and GRE test scores should be sent to:

Arizona State University
 Graduate College Admissions
 Interdisciplinary Building, B-Wing, Room 170
 P.O. Box 871003
 Tempe, AZ 85287-1003

Contact Information:

Liberal Arts & Sciences, College of
 School of Social and Family Dynamics
<http://ssfd.clas.asu.edu/fhdms>
 SS 144
 email@ssfd.info
 480-965-6978

Family and Human Development, PHD (LAFAMSCPHD)

Online Degree Search Title: Family and Human Development (PhD)

Campus: TEMPE

Program Description: The program in family and human development is devoted to the study of families, children and youth. The program's research, teaching and service have direct meaning for the lives of children and adults and the families and communities in which they live. The faculty share a common commitment to high-quality research that both increases the basic understanding of human and family development and has the potential to contribute to the improvement of the lives of children and families.

Degree Requirements: 85 credit hours, a Written Comprehensive Exam, an Oral Comprehensive Exam, a Prospectus and a Dissertation. Each student must prepare and submit a plan of study in conjunction with the chair and members of his or her supervisory committee once completing 50 percent of the minimum required credit hours for the degree. The plan of study consists of a minimum of:

- Eighty-five credit hours for students entering after the bachelor's degree.
 - Of the 85 credit hours for a postbaccalaureate program, six credit hours are thesis and 12 credit hours are dissertation.
 - Postbaccalaureate students complete a master's-in-passing before advancing to their doctoral studies.
- Fifty-five credit hours for students entering after the master's degree.
 - Of the 55 credit hours of the post-master's program, there are 12 credit hours of dissertation.
- The additional hours in the postbaccalaureate and post-master's tracks involve courses in:
 - Electives relating to family and human development.
 - Family and human development.
 - Statistics and research methods.

Admission Requirements: Admission to the Ph.D. in family and human development is determined by the following criteria:

- Online application to the Graduate College.
- A resume or curriculum vitae.

- A Test of English as a Foreign Language (TOEFL) score of at least 600 is required of all applicants whose native language is not English.
- Official transcripts of all undergraduate and graduate course work.
- Statement of goals relevant to the Ph.D. program.
- Three letters of recommendation.
- Verbal, quantitative, and analytical GRE scores.

Applications, which are due Jan. 1, should be completed by submitting the online Graduate College application. As part of the online application, the applicant will submit their resume or curriculum vitae, statement of goals and the names and email addresses of their three recommenders. Letters of recommendation will be received electronically.

After submitting the graduate application, official collegiate transcripts and GRE test scores should be sent to:

Arizona State University
 Graduate College Admissions
 Interdisciplinary Building, B-Wing, Room 170
 P.O. Box 871003
 Tempe, AZ 85287-1003

Contact Information:

Liberal Arts & Sciences, College of
 School of Social and Family Dynamics
<http://ssfd.clas.asu.edu/fhdphd>
 SS 144
 email@ssfd.info
 480-965-6978

French (Comparative Literature), MA (LAFRECLMA)

Online Degree Search Title: French Comparative Literature (MA)

Campus: TEMPE

Program Description: The faculty in the School of International Letters and Cultures offer a graduate program leading to the M.A. in French with a concentration in comparative literature.

Degree Requirements: 30 credit hours including the required course (FRE 593), an Applied Project and a Written Comprehensive Exam, or 30 credit hours, a Thesis and a Written Comprehensive Exam.

Graduate students may take only 500-level courses for graduate credit. At least nine hours must be selected from those courses listed exclusively for graduate students. The program must include:

- FRE 500 Bibliography and Research Methods (it is recommended that the candidate enroll in this course as early as possible).
- Two courses in linguistics, civilization or translation (of which one must be in linguistics).
- One course in critical or cultural theory.

For core courses, a minimum of four courses offered by the French section must be selected from any combination of the following categories:

- Francophone studies courses.
- Genre courses.
- Period courses.

When approved by the graduate committee, up to six hours of related course work may be taken outside of French.

A student must achieve a GPA of "B" (3.00) or higher in all work specifically included in the plan of study. Grades below a "C" (2.00) cannot be used to meet the requirements of a graduate degree. No student may accumulate more than one incomplete at any one time.

Independent study courses will be given only under exceptional circumstances and will not duplicate courses which are available. The French graduate committee is responsible for authorizing such work in cooperation with the individual professor. No more than three hours of independent study will be permitted.

The student must write a thesis dealing with a clearly defined literary topic bearing some relation to work done in the student's classes. Students may also choose to complete an applied project instead of writing a thesis.

The written examination for the concentration in comparative literature will be administered by the interdepartmental committee for comparative literature and will consist of two essay-based components: 1) general concepts of comparative literature, and 2) problems of comparative literature.

Admission Requirements: All applicants must submit the Graduate College online application. Candidates for the M.A. should, upon entrance, present the equivalent of an undergraduate major in the language in which the degree is sought. Those who lack this background but who show strong potential and meet Graduate College admissions requirements may be admitted to a graduate program on a provisional basis, pending removal of specified deficiencies. These deficiencies must be completed in addition to the regular program of study for the master's. Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Contact Information:

Liberal Arts & Sciences, College of
School of International Letters and Cultures
<http://silc.asu.edu/graduate/degrees/ma-french>
LL 440
silc@asu.edu
480-965-6281

French (Linguistics), MA (LAFRELINMA)

Online Degree Search Title: French Linguistics (MA)

Campus: TEMPE

Program Description: The School of International Letters and Cultures offers a graduate program in French leading to the degree of M.A. French with concentrations in literature, linguistics or comparative literature. There is also an M.A. program in secondary education with a major in French.

Degree Requirements: 30 credit hours including the required course (FRE 593), an Applied Project and a Written Comprehensive Exam, or 30 credit hours, a Thesis and a Written Comprehensive Exam.

The plan of study for the M.A. includes:

- A thesis or applied project option.
- A minimum of 30 credit hours of graduate-level work, as approved by the candidate's supervisory committee.
- The program must include a 500-level bibliography and research methods course offered by the department.
- When approved by the candidate's supervisory committee, in some programs, six hours in another language or in closely related courses may be included in the program.

Comprehensive Examination: All candidates are required to pass a comprehensive written examination designed to evaluate the candidate's knowledge in the area of specialization. A reading list, as agreed upon, serves as a guide to prepare for this examination.

Admission Requirements: Applicants must submit the Graduate College online application. Candidates for the M.A. should, upon entrance, present the equivalent of an undergraduate major in the language in which the degree is sought. Those who lack this background but who show strong potential and meet Graduate College admissions requirements may be admitted to a graduate program on a provisional basis, pending removal of specified deficiencies. These deficiencies must be completed in addition to the regular program of study for the master's. Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Contact Information:

Liberal Arts & Sciences, College of
School of International Letters and Cultures
<http://silc.asu.edu/graduate/degrees/ma-french>
LL 440
silc@asu.edu
480-965-6281

French (Literature), MA (LAFRELITMA)

Online Degree Search Title: French Literature (MA)

Campus: TEMPE

Program Description: The School of International Letters and Cultures offers a graduate program in French leading to the degree of M.A. French with concentrations in literature, linguistics or comparative literature. There is also an M.A. program in secondary education with a major in French.

Degree Requirements: 30 credit hours including the required course (FRE 593), an Applied Project and a Written Comprehensive Exam, or 30 credit hours, a Thesis and a Written Comprehensive Exam.

The plan of study for the M.A. includes:

- A thesis or applied project option.
- A minimum of 30 credit hours of graduate-level work, as approved by the candidate's supervisory committee.
- The program must include a 500-level bibliography and research methods course offered by the department.
- When approved by the candidate's supervisory committee, in some programs, six hours in another language or in closely related courses may be included in the program.

Comprehensive Examination: All candidates are required to pass a comprehensive written examination designed to evaluate the candidate's knowledge in the area of specialization. A reading list, as agreed upon, serves as a guide to prepare for this examination.

Admission Requirements: All applicants must submit the Graduate College online application. Candidates for the M.A. should, upon entrance, present the equivalent of an undergraduate major in the language in which the degree is sought. Those who lack this background but who show

strong potential and meet Graduate College admissions requirements may be admitted to a graduate program on a provisional basis, pending removal of specified deficiencies. These deficiencies must be completed in addition to the regular program of study for the Master's degree. Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Contact Information:

Liberal Arts & Sciences, College of
School of International Letters and Cultures
<http://silc.asu.edu/graduate/degrees/ma-french>
LL 440
silc@asu.edu
480-965-6281

Gender Studies, PHD (LAGSTPHD)

Online Degree Search Title: Gender Studies (PhD)

Campus: TEMPE

Program Description: The academic study of gender is increasingly recognized as central across academic fields, from literature to psychology, to biology and law. The goal of the doctoral program is to train researchers who can take their place in the world as:

- Academic faculty.
- Policy-makers.
- Researchers inside and outside of academia.

Degree Requirements: 84 credit hours, a Written Comprehensive Exam, an Oral Comprehensive Exam, a Prospectus and a Dissertation.

The gender studies program requires:

- Eighty-four credit hours for students admitted with only a bachelor's.
- A dissertation.
- Both a written and oral comprehensive examination.

The gender studies doctoral program is designed to provide students with the interdisciplinary training in theory and methods needed to conduct original research and scholarship about gender. At the core of the program are four required courses:

WST 601 Critical Concepts of Gender
WST 602 Mapping the Intersections of Gender
WST 603 Engendering Methodology
WST 701 Research Design and Proposal Development in Gender Studies

Students also take two research methods courses relevant to their dissertation, plus additional courses among three areas of specialization:

Health, science and technology

Courses in this area explore the impact of gender on:

- Health care.
- Health occupations.
- Science and technology.

We have faculty expertise in:

- Bioethics.
- Gender and technology.
- Health and sexuality.
- HIV/AIDS prevention.
- The participation of women in math and science in the developing world.
- Women's roles as healers and caregivers.

Visual and narrative culture

Courses in this area explore historical and contemporary representations of gender in all genres, including:

- Art.
- Literature.
- Popular culture.
- Scientific, medical, historical and legal discourse.
- Theater.

Our faculty focus especially on the intersections of gender representations with representations of race, sexuality, class and the ways in which representations produce rather than simply mimic gender inequality and polarized identities.

Gender, justice and social change

Courses in this area explore the gender dimension of social structures, institutions and organizations; the processes of social change and community development; and the ways policies and laws can change gender relations. We have faculty expertise in:

- Child welfare.
- Development.
- Domestic violence.
- Environment.
- Globalization.
- Immigration.
- Social policy.
- Sustainability.
- Transnational feminisms.
- Work.

Admission Requirements: The women and gender studies program welcomes applications from qualified students without regard to race, creed, color, religion, sex or national origin.

Submit to the Graduate College:

- Online Graduate College application.
- Application for graduate research/teaching assistantship form <http://graduate.asu.edu/forms> (<http://graduate.asu.edu/forms>).
- Nonrefundable application fee as specified by the Graduate College.
- Official copies of all undergraduate and graduate transcripts.
- Official GRE scores. Testing scores cannot be more than five years old.
- Resume or curriculum vitae.
- Statement of purpose.
- Students whose native language is not English must meet ASU's English proficiency requirements <http://graduate.asu.edu/admissions/international> (<http://graduate.asu.edu/admissions/international>).
- Three letters of reference preferably from faculty or other researchers.
- Writing sample (10-25 pages).

Submit to the Women and Gender Studies Program an application for graduate research/teaching assistantship form: <http://graduate.asu.edu/forms> (<http://graduate.asu.edu/forms>).

Mail to:

Graduate College
Arizona State University
P.O. Box 871003
Tempe, AZ 85287-1003

For additional financial information, consult the Financial Aid office at <http://students.asu.edu/financialaid> (<http://students.asu.edu/financialaid>).

Contact Information:

Liberal Arts & Sciences, College of
School of Social Transformation
<http://wgs.asu.edu>
WHALL 205
wgs.asutempe@asu.edu
480-965-2358

Gender Studies (certificate), CERT (LAWSTGRCT)

Online Degree Search Title: Gender Studies (Grad Certificate)

Campus: TEMPE

Program Description: The academic study of gender is increasingly recognized as central across academic fields, from literature to psychology, to biology and law. The graduate certificate in gender studies offers graduate students the opportunity to enhance their advanced degrees with demonstrated proficiency and knowledge about gender research and theories that they may apply in their own fields.

Degree Requirements: 15 credit hours.

Students are required to complete:

Two required courses (6)

WST 601 Critical Concepts in Gender
WST 602 Mapping the Intersectionalities of Gender

Three additional courses (9)

Courses may be chosen from other WST graduate courses or from more than thirty approved courses from other departments throughout the university. Other courses may also be used with the graduate director's approval. Up to six credits not used for another ASU degree or certificate can be transferred from another university, with graduate director's approval. Courses should be recorded on the transfer section of the student's Interactive Program of Study (iPOS). Up to nine credit hours of ASU nondegree credit can be transferred for students who are eventually admitted to an ASU graduate program.

Admission Requirements: Applicants must submit an online Graduate College application.

Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Contact Lisa Anderson (lmanderson@asu.edu (mailto:lmanderson@asu.edu)), director of graduate studies, Women and Gender Studies Program, or go to <http://wgs.asu.edu/grad-certificate> (<http://wgs.asu.edu/grad-certificate>) for more information about the certificate and to design course work.

Contact Information:

Liberal Arts & Sciences, College of
School of Social Transformation
<http://wgs.asu.edu/>
WHALL 205
wgs.asutempe@asu.edu
480-965-2358

Geographic Education, MAS (LAGEOEDMAS)

Online Degree Search Title: Geographic Education (MAS)

Campus: ONLNE, TEMPE

Program Description: The M.A.S. in geographic education is an online nonthesis degree program that provides teachers with the opportunity to obtain a highly qualified status in geographic education. The degree program is intended for K-12 teachers and is appropriate for elementary and secondary school teachers. Although the courses are completed online, there are two in-person meetings, including an orientation and a graduation event, where capstone projects are presented.

Degree Requirements: 30 Credit hours and an Applied Project.

The M.A.S. in geographic education program consists of:

- A sample plan of study for a full-time student is located at <http://geoplan.asu.edu/masge-sampleprogram> (<http://geoplan.asu.edu/masge-sampleprogram>).
- Students complete 24 credit hours in geography, a three-credit-hour course in educational research (COE 501 Introduction to Research and Evaluation in Education) and a three-credit-hour course on the applied project related to geographic education (SED 593 Applied Project or DCI 593 Applied Project). This culminating experience is required in place of a thesis.
- Students are required to have access to a computer with an internet connection and the capability to view video and animated files with sound, access to e-mail and access to a word processing program.
- Thirty credit hours taken completely online, with two one-day sessions required at the Tempe campus for an orientation session and presentation of an applied project.

Admission Requirements: All applicants must submit a Graduate College application. In addition to the Graduate College admission requirements, prospective students must 1) have a bachelor's degree from a regionally accredited institution (or equivalent) in education, geography or related area with a minimum GPA of 3.00 (4.00 scale), or 2) demonstrate a minimum of one year of related professional experience and successful completion of a bachelor's degree from a regionally accredited institution (or equivalent) with a minimum GPA of 3.00 (4.00 scale). Applicants with a GPA below 3.00 can apply and may be accepted if they show substantial promise of success based on the candidate's statement and letters of recommendation. Applicants to the degree program are accepted year-round for fall admission.

Contact Information:

Liberal Arts & Sciences, College of
School of Geographical Sciences and Urban Planning
<http://geoplan.asu.edu/>
COOR 5673
geoplan@asu.edu
480-965-7533

Geographic Information Science (certificate), CERT (LAGEOGISCE)

Online Degree Search Title: Geographic Information Science (Grad Certificate)

Campus: TEMPE

Program Description: Under the auspices of the School of Geographical Sciences, the interdisciplinary certificate program in geographic information science (GIS) is administered by an executive committee. The objective of this program is to enable ASU graduate students and GIS professionals to learn how to apply GIS concepts and technology for the purpose of spatial analysis.

Degree Requirements: 16 credit hours including a Capstone course (GPH 591).

The following are required to complete the GIS certificate:

- A capstone seminar (1).
- Three required courses (9).
- Two elective courses (6).

Admission Requirements: All applicants to the certificate program must submit the Graduate College online application. Current graduate students receive priority admission to the certificate program. Students qualify for admission to the certificate program by maintaining good standing in a cooperating department and completing an application specific to the GIS certificate. Practicing professionals who already hold a graduate degree must furnish proof of an advanced degree by a formal transcript to the Graduate College. Prospective students must complete prerequisites listed for the level-one required course.

Applicants whose native language is not English (regardless of where they now reside) must provide proof of English proficiency.

Contact Information:

Liberal Arts & Sciences, College of
School of Geographical Sciences and Urban Planning
<http://geoplan.asu.edu/giscert>
COOR 5673
geoplan@asu.edu
480-965-7533

Geographic Information Systems, MAS (LAGISMAS)

Online Degree Search Title: Geographic Information Systems (MAS)

Campus: TEMPE

Program Description: The M.A.S. in geographic information systems (GIS) program is a compact one-year nonthesis degree fostering advanced study in management and the use of GIS technology in public and corporate environments. The degree meets important educational needs of working professionals and recent college graduates seeking to improve career standing.

The program provides a comprehensive professional degree that balances work in:

- Applications domain.
- Technical side of the discipline.
- Theoretical aspects of GIS.

Students are exposed to cutting edge technology, management theory and practice and several societal dimensions associated with the application of GIS technology.

Courses are held evenings and weekends, and the curriculum is highly adaptable to the work environment; thus, the M.A.S. degree is achievable in a one-year time period.

Degree Requirements: 30 credit hours including the required course (GPH 693) and an Applied Project.

Enrolling students must complete three sequential semesters of course work.

- The first semester, offered during the fall, is composed of six two-credit-hour modules, which are not transferable.
- Students in the spring semester must complete four three-credit-hour courses.
- During the final semester, offered through the eight-week summer session, students must complete 1) three semester hours of GIS internship, and 2) a three-credit-hour capstone course.

Admission Requirements:

- All applicants must submit the Graduate College online application.
- In addition to Graduate College admission standards, prospective students seeking the degree must have successfully completed a bachelor's in a related area with a minimum GPA of 3.00 (4.00 scale) or demonstrate a minimum of three years of related professional experience and the successful completion of a bachelor's degree in an unrelated area as determined by the M.A.S.-GIS steering committee.
- Applicants must submit two letters indicating support from any combination of current/former instructors, supervisors or professionals currently employed within GIS or a related discipline.
- Applicants must prepare a formal, written statement regarding relevant academic experience, professional experience and overall interest in

GIS.

Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency. Application materials for the coming academic year are accepted and reviewed on a rolling basis until June 30. Applicants are notified of their status within six weeks of receipt of their application materials.

Contact Information:

Liberal Arts & Sciences, College of
School of Geographical Sciences and Urban Planning
<http://geoplan.asu.edu/mas-gis>
COOR 5673
geoplan@asu.edu
480-965-7533

Geography, MA (LAGEOGMA)

Online Degree Search Title: Geography (MA)

Campus: TEMPE

Program Description: The M.A. in geography program is designed to offer specialized academic and professional training in geography so the student may secure a sound graduate background for further specialization or for immediate employment. The program has sufficient flexibility to allow for individual needs and the interests of the student. A minimum of 30 credit hours beyond the bachelor's is required. At least 24 credit hours must be in geography.

Degree Requirements: 30 credit hours and a Thesis, or 30 credit hours and a Written Comprehensive Exam (MIP).

The School of Geographical Sciences may consider a student for a traditional master's that includes the successful defense of a thesis. Master's students must complete 30 credit hours, including 24 credit hours of combined course work and research hours at ASU and a six-credit-hour thesis. The master's program includes two required courses (GCU 529 Geographic Thought and Theory and GCU 585 Advanced Research Methods) and additional course work or research hours as selected by the student in consultation with an advisory committee.

Admission Requirements: Applicants must submit the Graduate College online application and must be accompanied by:

- Applicant's scores on the GRE (verbal and quantitative)
- Current Resume.
- Geography Essay Questions.
- Official transcripts from undergraduate program.
- Three letters of recommendation from professors.

It is presumed that all students entering the master's program have an adequate background in geography, including course work that is the equivalent of GPH 371 Introduction to Cartography and Georepresentation and GCU 495 Quantitative Methods in Geography. Additional prerequisite course work is required of students insufficiently prepared in geography.

Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Contact Information:

Liberal Arts & Sciences, College of
School of Geographical Sciences and Urban Planning
<http://geoplan.asu.edu/>
COOR 5673
<http://geoplan.asu.edu/ma-phd>
480-965-7533

Geography, PHD (LAGEOPHD)

Online Degree Search Title: Geography (PhD)

Campus: TEMPE

Program Description: The Ph.D. program provides specialized academic and professional training in geographical sciences so that the student can secure a sound background for further research and teaching and for immediate employment.

Degree Requirements: 84 credit hours, a Written Comprehensive Exam, an Oral Comprehensive Exam, a Prospectus and a Dissertation.

Ph.D. students entering with a bachelor's must complete 84 credit hours. These hours include 72 credit hours of course work and research at ASU and 12 dissertation hours. Entering students without a master's can earn a master's-in-passing upon the completion of 30 credit hours at ASU, including GCU 529 Geographic Thought, GCU 585 Advanced Research Methods and one seminar (GCU/GPH 591), and passing the school's Research and Field examination.

Doctoral students entering with a master's must complete 54 credit hours. These include 42 credit hours of combined course work and research

hours at ASU and 12 dissertation hours. The doctoral program includes:

- Two required courses (GCU 529 Geographic Thought, GCU 585 Advanced Research Methods).
- Two seminars (GCU/GPH 591).
- Additional course work or research hours as selected by the student in consultation with an advisory committee.

Admission Requirements: Applicants must submit the Graduate College online application.

The School of Geographical Sciences admits students to its doctoral program with either a bachelor's or master's in geography or a related field. We welcome applicants without geography degrees. Incoming students must demonstrate or attain competence in cartography and quantitative methods and complete other basic course work that will enable them to pursue graduate studies in their area of specialization.

Applications for the M.A. program must be accompanied by:

- The applicant's scores on the GRE (verbal and quantitative)
- Three letters of recommendation from professors.
- Geography Essay Questions.
- Current Resume.
- Official transcripts from undergraduate program.

Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Contact Information:

Liberal Arts & Sciences, College of
School of Geographical Sciences and Urban Planning
<http://geoplan.asu.edu/ma-phd>
COOR 5673
geoplan@asu.edu
480-965-7533

Geological Sciences, MS (LAGEOSCMS)

Online Degree Search Title: Geological Sciences (MS)

Campus: TEMPE

Program Description: The M.S. in geological sciences program is administered by the School of Earth and Space Exploration. The program is designed to provide fundamental graduate training in geology and to prepare the student for further graduate study, or for certain careers in:

- Geochemistry.
- Geology.
- Geophysics.
- Planetary geology.
- Related fields.

Degree Requirements: 30 credit hours and a Thesis, or 30 credit hours, a Research Paper and a Written Comprehensive Exam (MIP).

The M.S. consists of a minimum of 30 credit hours of work beyond the bachelor's; 20 or more credit hours consist of course work other than research and thesis. The student, with the approval of the advisor and supervisory committee (formed upon enrollment), selects courses that make a coherent program of study.

Each M.S. candidate must include on the program of study:

GLG 500: Colloquium (1)

GLG 599: Thesis (6)

GLG 591: Faculty Research Seminar (1)

One-half of the credit hours applicable toward the degree must be in geological sciences courses; the remainder may include work in related fields.

Thesis Requirements: A research-based thesis is required. The final examination is an oral defense of that thesis.

Admission Requirements: Applicants must submit the Graduate College online application. Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

In addition to the materials required by the ASU Graduate College, students applying for admission to the geological sciences M.S. program must submit:

- GRE scores (verbal, quantitative and analytical).

- A statement of purpose.
- Three letters of recommendation.

The deadline for applications for the fall term is Dec. 15 of the previous year.

Contact Information:

Liberal Arts & Sciences, College of
 Department of Geological Sciences
<http://sese.asu.edu>
 PSF 686
seseinfo@asu.edu
 480-965-5081

Geological Sciences, PHD (LAGEOSCPHD)

Online Degree Search Title: Geological Sciences (PhD)

Campus: TEMPE

Program Description: The Ph.D. in geological sciences program is administered by the School of Earth and Space Exploration. The program is designed to develop creative scholarship and to prepare the student for a professional career in the geological sciences including:

- Geochemistry.
- Geology.
- Geophysics.
- Planetary geology.
- Related fields.

Degree Requirements: 84 credit hours, a Written Comprehensive Exam, an Oral Comprehensive Exam, a Prospectus and a Dissertation.

Students may be admitted into the program with a bachelor's or master's in a related field. Up to 30 credit hours of master's-level work in a related field can be accepted toward the fulfillment of the Ph.D. requirements.

The plan of study for the doctorate is selected with the recommendation of the student's supervisory committee. Each plan of study must include 1) 12 credit hours of dissertation, and 2) 25 hours of course work, including GLG500 (Colloquium) and GLG591 (Faculty Research Seminar). ASU Graduate College policies and procedures must also be met for admission into the program and for fulfilling the degree requirements.

Comprehensive Examination: Doctoral candidacy is earned on the basis of a written component and an oral component. The written examination is in the form of two written research projects. The oral exam consists of an oral defense of the two projects.

Dissertation Requirements: A dissertation is required that is based on original work demonstrating creativity in research and scholarly proficiency in the subject area.

Final Examination: A final oral examination in defense of the dissertation is required.

Admission Requirements: Applicants must submit the Graduate College online application. In addition to the materials required by the ASU Graduate College, applicants must submit:

- Scores on the GRE (verbal, quantitative and analytical).
- A statement of purpose.
- Three letters of recommendation.

The application deadline for fall semester is Dec. 15 of the previous year.

Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Contact Information:

Liberal Arts & Sciences, College of
 Department of Geological Sciences
<http://sese.asu.edu>
 PSF 686
seseinfo@asu.edu
 480-965-5081

German, MA (LAGERMMA)

Online Degree Search Title: German (MA)

Campus: TEMPE

Program Description: The faculty in the School of International Letters and Cultures offers graduate programs leading to the M.A. degree with a major in German. Students admitted to the M.A. program with a major in secondary education may elect German as their subject matter field.

Degree Requirements: 30 credit hours and a Thesis, or 30 credit hours including the required course (GER 593) and an Applied Project. The program of study for the M.A. includes a minimum of 30 credit hours of graduate-level work and a thesis, as approved by the candidate's supervisory committee. The program must include a 500-level bibliography and research methods course offered by the department. When approved by the candidate's supervisory committee, nine hours in another language or in closely related courses may be included in the program.

Admission Requirements: Students interested in applying for this program must submit an online Graduate College application. Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency. Candidates for the M.A. should, upon entrance, present the equivalent of an undergraduate major in the language in which the degree is sought. Those who lack this background, but who show strong potential and meet Graduate College admissions requirements, may be admitted to a graduate program on a provisional basis, pending removal of specified deficiencies. These deficiencies must be completed in addition to the regular program of study for the master's. See: <http://silc.clas.asu.edu/graduate/degrees/ma-german> (<http://silc.clas.asu.edu/graduate/degrees/ma-german>) for more information.

Contact Information:

Liberal Arts & Sciences, College of
School of International Letters and Cultures
<http://silc.asu.edu/graduate>
LL 440
silc@asu.edu
480-965-6281

Global Health, MA (LASSHMA)

Online Degree Search Title: Global Health (MA)

Campus: TEMPE

Program Description: In this master's program, global health is considered to be much more and very different from international public health. It emphasizes that major health challenges stem from many factors well beyond disease itself--factors that are:

- Cultural.
- Ecological.
- Evolutionary.
- Historical.
- Institutional.
- Social.
- Technological.

Any effective, sustainable solutions to our most pressing global health challenges will need to take all of these factors into account, including the complex ways in which they relate to each other. In this manner, this degree understands health as not simply a product of disease, but rather emerging in the contexts of our complex and interrelated ecology, politics, history, culture, social institutions and evolutionary biology. It also places primacy on how to address the broader (i.e., structural, cultural) bases of ill-health in complicated, ever-changing health challenges in low-resource community settings and a globalizing world. To do this, the degree combines both social and life science theory with on-the-ground research and its application. There is a strong emphasis on collaborative action as key to identifying and addressing global health problems in a sustainable and meaningful way.

Students accepted into the program are tied to ongoing interdisciplinary global health projects that address complicated, multi-faceted health challenges that defy easy fixes, such as:

- Climate-change-related disease.
- Obesity.
- Emerging infectious diseases.

Students develop an applied project to contribute to the team goals. By applying a collaborative, problem-solving format, the M.A. in global health is intended to provide those planning to enter health or related (i.e., environmental, social) fields with the interdisciplinary orientation, team-skills and social and cultural acuity that the Pew Health Professional Consortium inter-alia has identified as critical but lacking in current health work force training. The degree also emphasizes experiential learning as a way to gain mastery and requires participation in a global internship program based in one of the international partnering communities.

Degree Requirements: 30 Credit Hours including the required course (SSH 593) and an Applied Project.

The M.A. in Global Health program requires 30 credit hours.

All students are required to take the following four foundational courses (12 credit hours):

- ASB 510/SSH 510 Health: Social and Biocultural Theories (3)
- ASB 500 Ethnographic Field Methods (3)
- ASB 503/SSH 503 Medical Anthropology (3)
- AML 613 Methods and Concepts in Math Epidemiology OR SSH 591 Principles of Epidemiology for Global Health

Substitutes may be permitted by the graduate director, including individualized research/conference/independent study courses with approved faculty. Additional methods-focused courses and/or graduate-level epidemiology courses can count toward this requirement. Students are also required to complete a minimum of six credits of practicum, six credits of electives and six credits hours of an applied project. Applied projects are completed in consultation with a faculty advisor; options include internship/practicum, research project, scholarly research paper and outreach project.

Admission Requirements: Students must submit an online application to the Graduate College. Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency. The application deadline is Dec. 15 for admission in the following fall. There are no spring admissions. In addition to the general requirements for admission to the Graduate College, applicants must also provide:

- A statement of purpose outlining career and educational goals.
- A current curriculum vitae or resume.
- An optional sample of their written work.
- Three letters of recommendation.
- Official GRE scores.
- Transcripts of all undergraduate and graduate course work.

Admission is competitive and based on student academic excellence, additional relevant experience, plus fit to available faculty. Minimum GPA for consideration for admission would normally be 3.50 on a 4.00 scale for the last two years of study leading to the bachelor's. A degree in the social or life sciences (e.g., anthropology, sociology, gender studies, geography, political science), public health, or related fields (nutrition, human biology) is generally expected for applicants. Value will be placed on:

- Foreign language skills.
- Practical, cross-cultural/international experiences.
- Prior social science and life science research.

Contact Information:

Liberal Arts & Sciences, College of
School of Human Evolution & Social Change
<http://shesc.asu.edu/>
SHESC 233
shescgrad@asu.edu
480-965-6215

Global Health, PHD (LASSHPHD)

Online Degree Search Title: Global Health (PhD)

Campus: TEMPE

Program Description: The Ph.D. in global health draws on the premise that sustainable and satisfying solutions to our most pressing global health challenges requires a sophisticated understanding of how cultural context, social and ecological processes and disease are really related. The transdisciplinary graduate program trains students broadly in cutting-edge health social science research theory and methods. While it leverages the strength in medical anthropology at ASU (including the 15 medical anthropologists on campus), it also takes advantage of a much wider set of skills offered by such fields as:

- Demography.
- Epidemiology.
- Human geography.
- Medical sociology.

It is designed to train those who anticipate either working in transdisciplinary academic settings, medical schools or nonacademic health settings, such as:

- Commercial sector.
- Governmental agencies.
- Nongovernmental organizations.

Some particular thematic foci of the program are:

- Biocultural approaches to human coping.
- Computer-based complexity modeling.
- Culture and health.

- Health in the Americas.
- Indigenous and minority health.
- Mathematical epidemiology.
- Nutritional anthropology.
- Social justice and vulnerable populations.
- Social networks.
- Urban and environmental health.

The programs draw some 80 faculty members from all across the university to consider how cutting-edge social science can be applied to not only understand but also to substantively improve the health of populations. The program favors community-based research and runs collaborative projects in which students are encouraged to gain experience and conduct research, from large U.S. cities to hunter-gatherer communities. Students generally enter the program with a master's in a relevant field.

Degree Requirements: 84 credit hours, a Written Comprehensive Exam, an Oral Comprehensive Exam, a Prospectus and a Dissertation. Students entering with an M.A. in a related field may be granted up to 30 credit hours toward the 84 hour total required for the Ph.D. This leaves 30 hours of course work, 12 hours of research credit and 12 hours of dissertation credit (54 credit hours total) to be earned post-admission. Students entering without an M.A. must earn an additional 30 hours of graduate credit, produce a research portfolio which is formally evaluated by a faculty committee, and present that research in a public forum before continuing on in the later stage of the Ph.D. All students must 1) maintain a "B-" (3.20) average GPA in their courses, and 2) complete degree requirements per the program's satisfactory progress policy. Students entering the Ph.D. in social science and health do so with diverse backgrounds and with varied career goals. Curricular tracks will tend to be individualized and final determination of the most appropriate course of study or how each requirement should most appropriately be met is made by a student in collaboration with a faculty advisor.

Admission Requirements: Students must submit an online application to the Graduate College. Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency. The application deadline is Dec. 15 for admission in the following fall. There are no spring admissions. In addition to the general requirements for admission to the Graduate College, applicants must also provide:

- A statement of purpose outlining career and educational goals.
- A current curriculum vitae or resume.
- An optional sample of their written work.
- Three letters of recommendation.
- Official GRE scores.
- Transcripts of all undergraduate and graduate course work.

Suitable backgrounds for admission include an M.A. in the social sciences (such as anthropology or sociology), public health, human biology or related fields. Students entering directly from a B.A. should already have completed at least 15 hours of social science and six hours of human biology (or equivalent) at the senior level, and should also have some background in statistics and/or epidemiology.

Contact Information:

Liberal Arts & Sciences, College of
 School of Human Evolution & Social Change
<http://shesc.asu.edu/>
 SHESC 233
 shescgrad@asu.edu
 480-965-6215

Global Health (Complex Adaptive Systems Science), PHD (LASSHCPHD)

Online Degree Search Title: Global Health (Complex Adaptive Systems Science) (PhD)

Campus: TEMPE

Program Description: The Complex Adaptive Systems Science (CASS) Ph.D. concentration trains the next generation of scientists in advanced concepts and methods needed for approaching diverse phenomena in the social and life sciences. The program is tightly integrated with diverse, ongoing, university-wide research on CASS at Arizona State University and emphasizes the value of a CASS perspective to give better insight and a more active role in seeking solutions to a broad array of critical issues facing our society today. Students will be fluent in the common language of complexity while also receiving a solid foundation in the domain knowledge of existing academic disciplines.

Degree Requirements: 84 credit hours, a Written Comprehensive Exam, a Prospectus and a Dissertation. Students entering with an M.A. in a related field may be granted up to 30 credit hours toward the 84 hour total required for the Ph.D. This leaves 30 hours of course work, 12 hours of research credit and 12 hours of dissertation credit (54 credit hours total) to be earned post-admission. Students entering without an M.A. must earn an additional 30 hours of graduate credit, produce a research portfolio which is formally evaluated by a faculty committee and present that research in a public forum before continuing on in the later stage of the Ph.D. All students must 1) maintain a "B-" (3.20) average GPA in their courses, and 2) complete degree requirements per the program's satisfactory

progress policy.

Student doctoral dissertations should include the application of complex adaptive systems concepts and/or methods in their field of study, and typically will have a member of the CASS graduate faculty as a member of their doctoral supervisory committee.

Admission Requirements: Students must submit an online application to the Graduate College. Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency. The application deadline is Dec. 15 for admission in the following fall. There are no spring admissions. In addition to the general requirements for admission to the Graduate College, applicants must also provide:

- A statement of purpose outlining career and educational goals.
- A current curriculum vitae or resume.
- An optional sample of their written work.
- Three letters of recommendation.
- Official GRE scores.
- Transcripts of all undergraduate and graduate course work, with a minimum of a 3.00 cumulative GPA (scale is 4.00=A) in the last 60 hours of a student's bachelor's program.

Only students admitted to participating doctoral programs may apply for a CASS concentration. A letter of application from the student must be sent to the chair of the CASS graduate faculty. The application will be reviewed by members of the graduate faculty who will make final admission recommendations to the Graduate College.

Contact Information:

Liberal Arts & Sciences, College of
School of Human Evolution & Social Change
<http://shesc.asu.edu/>
SHESC 233
shescgrad@asu.edu
480-965-6215

Global Health (Culture and Health), PHD (LASSHCHPHD)

Online Degree Search Title: Global Health (Culture & Health) PHD

Campus: TEMPE

Program Description: The Ph.D. in global health draws on the premise that sustainable and satisfying solutions to our most pressing global health challenges requires a sophisticated understanding of how cultural context, social and ecological processes and disease are really related. The transdisciplinary graduate program trains students broadly in cutting-edge health social science research theory and methods. While it leverages the strength in medical anthropology at ASU (including the 15 medical anthropologists on campus), it also takes advantage of a much wider set of skills offered by such fields as medical sociology, demography, human geography and epidemiology. It is designed to train those who anticipate working in transdisciplinary academic settings, medical schools or nonacademic health settings, such as:

- Commercial sector.
- Governmental agencies.
- Nongovernmental organizations.

Some particular thematic foci of the program are:

- Biocultural approaches to human coping.
- Computer-based complexity modeling.
- Culture and health.
- Health in the Americas.
- Indigenous and minority health.
- Mathematical epidemiology.
- Nutritional anthropology.
- Social justice and vulnerable populations.
- Social networks.
- Urban and environmental health.

The programs draw some 80 faculty members from all across the university to consider how cutting-edge social science can be applied to not only understand but also to substantively improve the health of populations. The program favors community-based research and runs collaborative projects in which students are encouraged to gain experience and conduct research, from large U.S. cities to hunter-gatherer communities. Students generally enter the program with a master's in a relevant field.

The concentration in culture and health provides focused, specialized training in theories and methods for researching the relationship between culture and health. This concentration utilizes the perspectives of medical anthropology and sophisticated ethnographic methods to study and interpret the role of cultural and social differences in shaping health. Students investigate these methods in the context of the community-based,

participatory approaches that tend to promote the most mutually meaningful and lasting health solutions. Graduates are thus particularly prepared for leadership in addressing health disparities in cross-cultural settings and with the most vulnerable populations. This includes very complex, difficult settings where particularly nuanced and sophisticated (often anthropological) understandings of health-related challenges are needed.

Degree Requirements: 84 credit hours, a Written Comprehensive Exam, an Oral Comprehensive Exam, a Prospectus and a Dissertation.

Students entering with a master's in a related field may be granted up to 30 credit hours toward the 84 hour total required for the doctorate. This leaves 30 hours of course work, 12 hours of research credit and 12 hours of dissertation credit (54 credit hours total) to be earned post-admission. Students entering without an M.A. must earn an additional 30 hours of graduate credit, produce a research portfolio which is formally evaluated by a faculty committee, and present that research in a public forum before continuing on in the later stage of the Ph.D.

All students must 1) maintain a "B-" (3.20) average GPA in their courses, and 2) complete degree requirements per the program's satisfactory progress policy.

Required Courses:

- ASB 503 Advanced Medical Anthropology (3)
- ASB 500 Ethnographic Research Methods (3)
- SSH 503 Instructional Internship in Global Health (3)

One of the following (3):

- SSH 512 Social Science Applications in Community Health
- ASB 502 Applied Medical Anthropology
- SSH 511 Ethics in Health Social Science

One of the following (3):

- ESS 513 Institutions
- ESS 514 Urban and Environmental Health

Admission Requirements: Students must submit an online application to the Graduate College. Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency. The application deadline is Dec.15 for admission in the following fall. There are no spring admissions. In addition to the general requirements for admission to the Graduate College, applicants must also provide:

- A statement of purpose outlining career and educational goals.
- A current curriculum vitae or resume.
- An optional sample of their written work.
- Three letters of recommendation.
- Official GRE scores.
- Transcripts of all undergraduate and graduate course work.

Suitable backgrounds for admission include an M.A. in the social sciences (such as anthropology or sociology), public health, human biology or related fields. Students entering directly with a B.A. should already have completed at least 15 hours of social science and six hours of human biology (or equivalent) at the senior level, and should also have some background in statistics and/or epidemiology. Minimum GPA for consideration for admission would normally be 3.20 (4.00 scale) for the last two years of study leading to the bachelor's, or 3.50 average GPA or equivalent in a master's program.

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Global Health (Evolutionary Global Health Sciences), PHD (LASSHEPHD)

Online Degree Search Title: Global Health (Evolutionary Global Health Sciences) PhD

Campus: TEMPE

Program Description: The Ph.D. in global health with a concentration in evolutionary global health sciences will provide research training in anthropological and evolutionary theories and methods to investigate complex relationships among the processes by which cultural, ecological, environmental (natural and built) and genetic dimensions produce, through intergenerational transmission, the uneven but shared patterns of human population health.

The curriculum draws from a trans-disciplinary academic approach based on the fields of cultural evolutionary ecology and human behavioral

ecology in combination with evolutionary theories (niche construction, dual inheritance and life history) and observational social sciences and public health methods that simultaneously take into account the effects of culture, ecology, environment and genetics on health.

The concentration requires training in universal principles of research design--from experiments to systematic qualitative and quantitative description--data analyses methods (quantitative and qualitative) and anthropological interpretation, or the identification of determinants of the origins and distribution of health phenotypes in past and present human populations. Students will choose from a wide range of data collection and inferential tools in order to address specific questions, through a combination of lecture and guided reading courses designed to master the highly diverse literature in evolutionary global health sciences that best pertains to their career goals.

Degree Requirements: 84 credit hours, a Written Comprehensive Exam, an Oral Comprehensive Exam, a Prospectus and a Dissertation.

Students entering with a master's in a related field may be granted up to 30 credit hours toward the 84 hour total required for the Ph.D. This leaves 30 hours of course work, 12 hours of research credit and 12 hours of dissertation credit (54 credit hours total) to be earned post-admission.

Students entering without a master's must earn an additional 30 hours of graduate credit, produce a research portfolio which is formally evaluated by a faculty committee and present that research in a public forum before continuing on in the later stage of the doctorate.

All students must 1) maintain a "B-" (3.20) average GPA in their courses, and 2) complete degree requirements per the program's satisfactory progress policy.

The Ph.D. in global health with a concentration in evolutionary global health sciences requires the following:

Core courses

- SSH 510 Health: Social and Biocultural Theories
- SSH 513 Research Design and Proposal Writing in Health Social Science
- SSH 502 Professional Seminar in Global Health

Concentration courses

- ASB 500 Ethnographic Research Methods
- ASM 560 Human Growth and Development: An Evolutionary Perspective
- ESS 513 Institutions
- SSH 503 Advanced Medical Anthropology
- SSH/ASM 514 Infectious Disease and Human Evolution

Elective courses

- ASB 510/SSH 510 Health - Social and Biocultural Theories
- ASB 537 OR ASM 591 Topics in Mesoamerican Archeology OR Human Growth and Development
- ASM 546 Principles of Human Genetics
- Other relevant electives from SHESC, SOLS, etc.

Substitutes to required courses may be permitted by the graduate director, including individualized research/conference/independent study courses with approved faculty.

Admission Requirements: Students must submit an online application to the Graduate College. Applicants whose native language is not English (regardless of where they now reside) must provide proof of English proficiency. The application deadline is Dec. 15 for admission in the following fall. There are no spring admissions. In addition to the general requirements for admission to the Graduate College, applicants must also provide:

- A statement of purpose outlining career and educational goals.
- A current curriculum vitae or resume.
- An optional sample of their written work.
- Three letters of recommendation.
- Official GRE scores.
- Transcripts of all undergraduate and graduate course work.

Suitable backgrounds for admission include an M.A. in the social sciences (such as anthropology or sociology), public health, human biology or related fields. Students entering directly with a B.A. should already have completed at least 15 hours of social science and six hours of human biology (or equivalent) at the senior level, and should also have some background in statistics and/or epidemiology. Minimum GPA for consideration for admission would normally be 3.20 (4.00 scale) for the last two years of study leading to the bachelor's, or 3.50 average GPA or equivalent in a master's program.

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480-965-6215

Global Health (Urbanism), PHD (LASSHURPHD)

Online Degree Search Title: Global Health (Urbanism) PhD

Campus: TEMPE

Program Description: The Ph.D. in global health focuses on the premise that sustainable and satisfying solutions to our most pressing global health challenges requires a sophisticated understanding of how cultural context, social and ecological processes and disease are related. The transdisciplinary graduate program trains students broadly in cutting-edge health social science research theory and methods. While it leverages its strength in medical anthropology at ASU (including the 15 medical anthropologists on campus), it also takes advantage of a much wider set of skills offered by such fields as:

- Demography.
- Epidemiology.
- Human geography.
- Medical sociology.

It is designed to train those who anticipate either working in transdisciplinary academic settings, medical schools or nonacademic health settings, such as:

- Commercial sector.
- Governmental agencies.
- Nongovernmental organizations.

Some particular thematic foci of the program are:

- Biocultural approaches to human coping.
- Computer-based complexity modeling.
- Culture and health.
- Health in the Americas.
- Indigenous and minority health.
- Mathematical epidemiology.
- Nutritional anthropology.
- Social justice and vulnerable populations.
- Social networks.
- Urban and environmental health.

The concentration in urbanism will leverage the varied interests in urbanism and help emerging scholars as they attempt to compare, contrast and take stock of urbanism as they pertain to the thematic foci of the program. Working with faculty from across a range of departments and programs at ASU, doctoral students will be able to capture the creative tensions that scholarship on urbanism has inspired in order to stimulate a provocative, constructive kind of inquiry.

Academic units the students might engage with to fulfill the requirements of the urbanism concentration include:

- Herberger Institute for Design and the Arts.
- School of Community Resources and Development.
- School of Geographical Sciences and Urban Planning.
- School of Politics and Global Studies.
- School of Historical, Philosophical and Religious Studies.
- School of Human Evolution and Social Change.
- School of Sustainability.

The programs draw some 80 faculty members from all across the university to consider how cutting-edge social science can be applied to not only understand but also to substantively improve the health of populations. The program favors community-based research and runs collaborative projects in which students are encouraged to gain experience and conduct research into societies from large U.S. cities to hunter-gatherer communities. Students generally enter the program with a master's in a relevant field.

Degree Requirements: 84 credit hours, a Written Comprehensive Exam, an Oral Comprehensive Exam, a Prospectus and a Dissertation.

Students entering with a master's in a related field may be granted up to 30 credit hours toward the 84 hour total required for the doctorate. This leaves 30 hours of course work, 12 hours of research credit and 12 hours of dissertation credit (54 credit hours total) to be earned post-admission. Students entering without a master's must earn an additional 30 hours of graduate credit, produce a research portfolio which is formally evaluated by a faculty committee and present that research in a public forum before continuing on in the later stage of the doctorate.

All students must 1) maintain a "B-" (3.20) average GPA in their courses, and 2) complete degree requirements per the program's satisfactory progress policy.

Curricular tracks will tend to be individualized and final determination of the most appropriate course of study or how each requirement should most appropriately be met is made by a student in collaboration with a faculty advisor. For the concentration in urbanism, 15 credit hours will be selected

from an approved list of applicable courses related to urbanism. These courses will include the core urbanism course, GCU 516, as well as one course from each of the four urbanism clusters. These clusters are:

- Built form.
- Culture and society.
- Institutions and governance.
- Natural environment.

Admission Requirements: Students must submit an online application to the Graduate College. Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency. The application deadline is Dec. 15 for admission in the following fall. There are no spring admissions. In addition to the general requirements for admission to the Graduate College, applicants must also provide:

- A statement of purpose outlining career and educational goals.
- A current curriculum vitae or resume.
- An optional sample of their written work.
- Three letters of recommendation.
- Official GRE scores.
- Transcripts of all undergraduate and graduate course work.

Suitable backgrounds for admission include a master's in the social sciences (such as anthropology or sociology), public health, human biology or related fields. Students entering directly from a bachelor's program should already have completed at least 15 hours of social science and six hours of human biology (or equivalent) at the senior level and should also have some background in statistics and/or epidemiology.

Contact Information:

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History, MA (LAHISTMA)

Online Degree Search Title: History (MA)

Campus: TEMPE

Program Description: The faculty in history offer a graduate program leading to the M.A. in history. Candidates are offered an opportunity to develop knowledge of a specific historical field, to study comparative history and to learn research techniques.

Degree Requirements: 30 credit hours and a Portfolio (MIP), or 30 credit hours including the required course (HST 593 or HST 692), an Applied Project and a Foreign Language Exam, or 30 credit hours, a Thesis and a Foreign Language Exam.

A minimum of 30 credit hours of graduate studies are required for a master's in history: 24 credit hours of course work, plus six hours of thesis research credits (HST 599). The thesis equivalent option substitutes six credit hours of HST 592 or HST 593 in place of the six hours of HST 599 and requires as well an additional three credit hours of HST 591 (six total instead of three) in the 30 hours of the plan of study. See http://shprs.clas.asu.edu/masters_hst for more information. With the approval of the supervisory committee, candidates may take up to six credit hours of closely related interdisciplinary course work in another academic unit.

Master's students select a primary field and a research specialization. Available primary fields include:

- East/Southeast Asia.
- Europe.
- Latin America.
- North America.
- Public history. Note: public history students pursue a double concentration, e.g., public history and North American history, or public history and European history. For public history information and requirements see <http://shprs.clas.asu.edu/publichistory> (<http://shprs.clas.asu.edu/publichistory>).

Advising: At the beginning of the first semester of study, the student, in consultation with the graduate director, selects a faculty advisor who will help direct the student to the completion of the required course work and thesis. Normally, the advisor is selected, at least tentatively, prior to enrollment or within the first six weeks of the fall semester. The faculty advisor helps the student select the other two members of the supervisory committee and together they develop the plan of study. The advisor, with the candidate, is primarily responsible for determining the plan of study, selecting the topic of the thesis or of the thesis equivalent, and guiding the student's research. The second and third committee members must be selected by the time the program of study is submitted at the end of the first year.

Thesis: The culminating experience of the master's degree program is the writing, presentation and defense of a thesis or thesis-equivalent based

on original research. The thesis, an extended essay of approximately 100 pages, addresses a topic chosen by the student in consultation with the faculty advisor who serves as chair of the supervisory committee. The thesis explores a limited subject in depth, analyzing, explaining and drawing conclusions from the information gleaned from primary and secondary sources. The thesis thereby demonstrates the student's ability to:

- Analyze and argue points cogently.
- Do research in the primary sources of the field.
- Organize and develop a topic.
- Survey and synthesize the relevant secondary literature on the topic.
- Write proficiently.

Admission Requirements:

- Online electronic application: Applicants must submit an online Graduate College application. Students apply for admission to the Graduate College and to a degree program (e.g., the M.A. in history). The history program is affiliated with several graduate certificate programs including scholarly publishing and medieval and renaissance studies. Students applying for admission to the master's program in history and a certificate program, such as the Scholarly Publishing Certificate Program, are required to submit two separate applications (for the degree program and for the certificate program).

- Transcripts: Should be mailed to the Graduate College at the address shown here. It is not necessary to mail transcripts to the history program. Arizona State University, Graduate College, 1120 S. Cady Mall INTDSB-B256, Tempe, AZ 85287-1003.

- GRE scores: A report of the scores received on the GRE must be submitted to the Graduate College. Scores should be no more than five years old.

- Letter of application: Addressed to the history admissions committee explaining the applicant's scholarly background and training, career goals, the primary field the student wishes to pursue, the proposed research specialization, and why the applicant wants to pursue graduate study at ASU (about 500 words in length).

- Resume: Upload into online application.

- Data form: Please download the form to a desktop, and upload into the online application. The form is located at:
http://shprs.clas.asu.edu/history_application.

- Writing sample: A sample of the applicant's written work should be submitted electronically. The writing sample may be an article (published or unpublished), a research paper, or any other extended sample of expository skill, no longer than 35 pages in length. Longer writing samples should not be submitted without first consulting the Graduate Director. Documents and files should not be password protected. Acceptable file types are .rtf, .pdf, and .doc.

- Assistantship application: Application form for a graduate assistantship, if desired, can be downloaded at
http://shprs.clas.asu.edu/history_application. The form should be emailed to: graduate.history@asu.edu.

- References: Students are required to submit a minimum of three e-mail addresses from faculty or others qualified to speak of the student's suitability for graduate study in history.

- International Students: Students applying from outside the U.S. whose native language is not English must follow Graduate College guidelines demonstrating English language proficiency. The Graduate College's minimum Test of English as a Foreign Language (TOEFL) score is 550; however, the history program requires a score of at least 600. Students whose original language is other than English must send a copy of an article or research paper in their native or principal research language in addition to the English writing sample required of all students. Prospective international students applying for teaching assistant positions must achieve a score of 55 or higher on the Test of Spoken English (TSE) or Speaking Proficiency English Assessment Kit (SPEAK).

Contact Information:

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<http://history.clas.asu.edu>
COOR 3312
graduate.history@asu.edu
480-965-5778

History, PHD (LAHISTPHD)

Online Degree Search Title: History (PhD)

Campus: TEMPE

Program Description: The Ph.D. in history offers candidates the opportunity to study past and contemporary civilizations and to learn research and writing techniques that may be used in scholarly careers with:

- Business.
- Historical societies and agencies.
- Leading academic institutions.
- The public sector.

Major emphasis is placed upon:

- Competence in historical research methodology.
- Developing a disciplined mind.
- Expertise in a chosen subject area.

The program is composed of small classes that bring students into a close working relationship with faculty and other graduate students.

Degree Requirements: 84 credit hours, a Written Comprehensive Exam, an Oral Comprehensive Exam, a Prospectus and a Dissertation.

The doctoral degree requires 84 total credit hours beyond the bachelor's. Students with a master's in history are allowed to apply 30 credit hours of that degree toward the 84 total credit hours required for the doctoral program. Sixty credit hours must be in history courses and must meet the following requirements:

- Fifty-four credit hours must be taken in residence at ASU.
- In general, all credit hours must be at the 500 level or above (graduate credit for 400-level courses must be approved in advance and documented in the student's file).
- At least nine credit hours must be taken in the primary field and six hours in the secondary field. These will normally be HST 598 or HST 591 courses but may include directed readings, HST 790.
- Nine credit hours must be taken of HST 591, research seminars. Only one seminar is transferable from a master's.
- Six credit hours must be taken in "core" field courses for U.S. and European majors only.
- Three credit hours of HST 500 Historical Theory and Methodology are required during the first year.
- Twenty-four credit hours must be taken in dissertation research, 12 hours each of HST 792 and HST 799.

Students must select a primary field, a secondary field and a research specialization. There is a written qualifying exam in the primary field and a portfolio defense for the secondary field. The dissertation is written in the area of the research specialization.

Advanced Research Skill Requirement: Doctoral students must also demonstrate proficiency in one or more foreign languages relevant to their fields of study and/or an advanced research skill relevant to their dissertation research (e.g., oral history, geographic information systems, documentary editing, statistical analysis or methodological-theoretical training in a related discipline).

Advising: For guidance through the program, students select a supervisory committee of at least three faculty members, with the student's advisor serving as committee chair. Students also select a separate secondary field committee to evaluate their secondary field portfolio. The primary field qualifying examination is administered by an ad hoc committee composed of professors who have taught the core courses in that field. The dissertation prospectus and dissertation are evaluated by the supervisory committee.

Dissertation: The culminating experience for the Ph.D. in history is the dissertation. Approximately 250-300 pages in length, it must be an original contribution to knowledge and demonstrate the candidate's proficiency in independent research and historical exposition. The research topic is chosen by the student in consultation with the faculty advisor who serves as chair of the supervisory committee.

Admission Requirements:

- **Online electronic application:** Applicants must submit an online Graduate College application. Students apply for admission to the Graduate College and to a degree program (e.g., the Ph.D. in history). The history program is affiliated with several graduate certificate programs, including scholarly publishing and medieval and renaissance studies. Students applying to the Ph.D. in history as well as one of these certificate programs must submit two separate applications (for the degree program and for the certificate program).
- **Transcripts:** Should be mailed to the Graduate College at the address shown here. It is not necessary to mail transcripts to the history program. Arizona State University, Graduate College, 1120 S. Cady Mall INTDSB-B256, Tempe, AZ 85287-1003.
- **GRE scores:** A report of the scores received on the GRE must be submitted to the Graduate College. Scores should be no more than five years old.
- **Letter of application:** Addressed to the history review committee explaining the applicant's scholarly background and training, career goals, the primary and secondary fields of study the student wishes to pursue, proposed research specialization, and why the applicant wants to pursue graduate study at ASU (about 500 words in length).
- **Resume:** Upload into online application.
- **Data form:** Please download the form to a desktop and upload into the online application. The form is located at: http://shprs.clas.asu.edu/history_application (http://shprs.clas.asu.edu/history_application).
- **Writing sample:** A sample of the applicant's written work should be submitted electronically. The writing sample may be an article (published or unpublished), a research paper or any other extended sample of expository skill, no longer than 35 pages in length. Longer writing samples should not be submitted without first consulting the Graduate Director. Documents should not be password protected. Acceptable file types are .rtf, .pdf, and .doc. Files should not be password protected.
- **Assistantship application:** Application form for a graduate assistantship, if desired, can be loaded at http://shprs.clas.asu.edu/history_application (http://shprs.clas.asu.edu/history_application). The form should be emailed to: graduate.history@asu.edu (<mailto:graduate.history@asu.edu>). See special requirements below for international students applying for graduate assistantships.
- **References:** Students are required to submit a minimum of three (3) e-mail addresses from faculty or others qualified to speak the student's suitability for graduate study in History.
- **International Students:** Students applying from outside the United States whose native language is not English must follow Graduate College guidelines demonstrating English language proficiency. See <http://graduate.asu.edu/admissions/international> (<http://graduate.asu.edu/admissions/international>). The Graduate College's minimum Test of English as a Foreign Language (TOEFL) score is 550; however, the history program requires a score of at least 600. Students whose original language is other than English must send a copy of an article or research paper in their native or principal research language in addition to the English writing sample required of all students.

Contact Information:

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<http://history.clas.asu.edu>
COOR 3312
graduate.history@asu.edu
480-965-5778

Immigration Studies (certificate), CERT (LAIMMSTUCE)

Online Degree Search Title: Immigration Studies (Grad Certificate)

Campus: TEMPE

Program Description: The immigration studies graduate certificate program provides students with an understanding of the causes and consequences of international migration as well as relevant professional and research training opportunities.

The program prepares graduates for future study in graduate and professional schools or for careers as immigration practitioners and advocates in nongovernmental organizations, local and federal government agencies, as well as in other private and public institutions serving immigrant and refugee communities.

The objective of the certificate program is to offer traditional academic training through course work and research and practical experience working with local immigrant/refugee communities.

Degree Requirements: 15 credit hours.

The certificate consists of 15 total credit hours. All students will be required to take:

- One core course.
- Three approved elective courses on immigration.
- Three hours of a culminating experience (either an internship or a research project).

For a list of approved courses, please contact the school.

Internship: Students may do an internship with Phoenix-based, nongovernmental organizations or government agencies that provide services to immigrants and refugees. Such internships will give them professional training and actual experience working with immigrant/refugee communities. Students will be required to write a report describing the organization and their experience as interns.

Research: Students may enroll in three credits of research with a faculty member in order to do an independent research project. They must write a substantial research paper based on field research in a local immigrant community, library/archival research or readings on an immigration topic.

Certificate students may choose to specialize in:

- Humanities.
- Mexican and Latino immigrants in the U.S.
- Social sciences.

Given the nature of the immigration courses offered at ASU and the preponderance of Latino immigrant communities in the Phoenix area, the program emphasizes Latino immigration. However, students will have the opportunity to take broader courses focusing on global migration and other immigrant groups, as well as work with local Asian/Southeast Asian immigrants and refugee communities.

All requirements for the certificate program should be completed within a three-year time limit with a cumulative grade point average of at least 3.00. Students who require more time to finish the program (because of their part-time status or lack of desirable/available courses) must obtain approval from the executive committee.

For students currently enrolled in an ASU graduate degree program, applicable certificate courses may count toward their degree program with the approval and consent of the degree granting program. For certificate students who are later admitted to an ASU graduate degree program, up to 12 credit hours from the certificate program may count toward their doctoral degree or up to nine credit hours may count toward their master's, with the approval and consent of the degree-granting program.

Admission Requirements: Students must submit an online application to the Graduate College.

In addition to the general requirements for admission to the Graduate College, applicants must also provide:

- A statement of purpose outlining career and educational goals.
- A current curriculum vitae or resume.
- An optional sample of their written work.
- Three letters of recommendation.
- Official GRE scores.
- Transcripts of all undergraduate and graduate course work.

Applicants should have achieved a minimum GPA of 3.00 in the last 60 hours of their bachelor's. Undergraduate course work in anthropology is not a prerequisite for admission, but is generally advisable. Students may be admitted without such a background and may be required to acquire

knowledge of general anthropology in a manner to be specified at the time of admission.

Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Contact Information:

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<http://shesc.asu.edu/>
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480-965-6215

Infant Family Practice, MAS (LACDEMAS)

Online Degree Search Title: Infant - Family Practice (MAS)

Campus: TEMPE

Program Description: This self-contained accelerated program provides high-quality course work and supervised internship experiences designed to train professionals to work in prevention and intervention programs serving families with infants, toddlers and preschool-age children. The program prepares individuals for positions in a variety of professional capacities including:

- Child abuse prevention.
- Early childhood administration.
- Early intervention.
- Family support and child care.
- Infant mental health.

Course work prepares students for professional endorsement by the Infant-Toddler Mental Health Coalition of Arizona's Endorsement for Culturally Sensitive, Relationship-Based Practice Promoting Infant Mental Health.

Degree Requirements: 30 Credit Hours and a Portfolio.

The M.A.S. in infant-family practice requires the successful completion of 1) a minimum of 30 credit hours, and 2) an applied project, including required course work and an internship in a community placement approved by the M.A.S. in infant-family practice faculty. Internships are expected to last approximately 12 months. Students must maintain a GPA of 3.00 in all course work and satisfactorily meet the expectations of the agency supervising their internship.

Foreign Language Requirements: None

Thesis Requirements: None

GRE Scores: GRE scores are waived for this program.

Admission Requirements: Applicants must submit the Graduate College online application. Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Admission to the program is determined by the following criteria:

- A personal statement.
- Admission to the ASU Graduate College.
- Official transcripts of the student's academic record.
- Three letters of recommendation from individuals familiar with the applicant's academic background.

Additionally, candidates are sometimes contacted for an interview.

Contact Information:

Liberal Arts & Sciences, College of
School of Social and Family Dynamics
<http://ssfd.clas.asu.edu/>
SS 144
email@ssfd.info
480-965-6978

Justice Studies, MS (LAJUSSTMS)

Online Degree Search Title: Justice Studies (MS)

Campus: TEMPE

Program Description: The M.S. in justice studies is designed to prepare students for:

- Further study and research in the justice field.

- Professional positions in justice-related organizations.
- Teaching in community colleges.

Students use elective courses to develop a specialization in an area relevant to their own interests and consistent with the school's focus on the following areas:

- Citizenship, migration and human rights.
- Globalization, sustainability and economic justice.
- Law, policy and social change.
- Media, technology and culture.
- Social identities and communities.

Degree Requirements: 36 credit hours and a Master's Research Paper (MIP), or 36 credit hours and a Thesis, or 36 credit hours including the required course (JUS 593) and an Applied Project.

The M.S. program has two options: a thesis or an applied project.

Thesis option

The thesis option requires the completion of 36 credit hours and six of these credit hours are JUS 599 Thesis. To satisfy the thesis requirement for the degree, candidates must write a thesis and defend it in an oral examination conducted by the student's advisory committee.

Applied project option

The applied project option requires the completion of 36 credit hours, and six of these credit hours are JUS 593 Applied Project. Candidates pursuing the applied project option must present their applied project and defend it in an oral examination conducted by the faculty member who supervises the project and the graduate programs director or designated representative. The applied project typically includes a brief literature review to identify the nature of the issue or problem and a description of the methodology used and, if relevant, of the program studied, followed by an analysis.

Each student's program is developed in concert with the advisory committee. The program has three major categories:

- Foundation courses.
- Elective courses.
- Thesis and applied project requirements.

The required foundation courses provide students with a fundamental understanding of the theories, methods and analytic techniques associated with the study of justice. The foundation courses include:

JUS 500 Justice Research Methods (3)

JUS 501 Justice Theory (3)

JUS 509 Statistical Problems in Justice Research (3)

JUS 521 Qualitative Data Analysis and Evaluation (3)

Admission Requirements: All applicants must submit the Graduate College online application. Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency. In addition to the general admission requirements of the Graduate College, applicants must submit the following materials by Dec. 14 for fall admissions: 1) GRE scores or LSAT score taken within the last five years, and 2) transcripts.

Send these materials to:

Graduate College

Arizona State University

P.O. Box 871003

Tempe, AZ 85287-1003

Applicants must submit these items directly to Justice and Social Inquiry by the same deadline:

- Personal statement (one-and-a-half to two pages, double spaced) outlining areas of interest, educational and career goals.
- Three letters of reference (academic references are preferred).
- A writing sample, 10 pages minimum (research that best represents the student's academic thinking and writing skills).

Send these materials to:

Justice and Social Inquiry Graduate Programs

Arizona State University

P.O. Box 874902

Tempe, AZ 85287-4902

Contact Information:

Liberal Arts & Sciences, College of

School of Social Transformation

<http://justice.clas.asu.edu/graduate>

WILSN 122

graduate.justice@asu.edu
480-965-6008

Justice Studies, PHD (LAJUSSTPHD)

Online Degree Search Title: Justice Studies (PhD)

Campus: TEMPE

Program Description: The doctoral program in justice studies is an interdisciplinary degree program offered through the auspices of Justice and Social Inquiry in the School of Social Transformation. The program integrates philosophical, legal and ethical approaches with social science and humanities perspectives to study five areas of interest:

- Citizenship, migration and human rights.
- Globalization, sustainability and economic justice.
- Law, policy and social change.
- Media, technology and culture.
- Social identities and communities.

Justice and Social Inquiry is recognized as a leader in the interdisciplinary study of justice and a pioneer in the establishment of a full-fledged program in the field.

The Ph.D./JD option allows qualified students to earn a Juris Doctorate from ASU's Sandra Day O'Connor College of Law while simultaneously earning an interdisciplinary Ph.D. in Justice Studies. Students must apply separately to both programs.

Degree Requirements: 84 credit hours, a Written Comprehensive Exam, a Prospectus and a Dissertation.

Students in the doctoral program must complete three foundation courses as a part of the course work for the Ph.D. in justice studies. Students must earn a grade of "B" (3.00) or higher in each of the foundation courses:

JUS 620 Justice Research Methodology (3)

JUS 630 Data Analysis for Justice Research (3) or JUS 650 Advanced Qualitative Data Analysis (3)

JUS 640 Theoretical Perspectives on Justice (3)

Students entering the doctoral program with a master's or JD are required to complete 54 credit hours:

- Eighteen credit hours are comprised of any combination of additional elective courses, reading or conference hours, or research hours.
- Fifteen credit hours are elective classroom hours, nine credit hours must have a JUS prefix.
- Nine credit hours are Ph.D. core courses.
- Twelve credit hours are earned as dissertation research.

Students entering the doctoral program without a master's or JD are required to complete 84 credit hours:

- Nine credit hours are required Ph.D. courses.
- Twelve credit hours are earned as dissertation research credit.
- Twelve credit hours are 500-level foundation courses.
- Twenty-four credit hours are elective classroom hours, fifteen credit hours must have a JUS prefix.
- Twenty-seven credit hours are comprised of any combination of additional elective courses, reading and conference hours or research hours.

Admission Requirements: All applicants must submit the Graduate College online application. Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency. In addition to the general admission requirements of the Graduate College, applicants must submit the following materials by Dec. 14 for fall admission: 1) GRE scores or LSAT score taken within the last five years, and 2) transcripts.

Send these materials to:

Graduate College
Arizona State University
P.O. Box 871003
Tempe, AZ 85287-1003

Applicants must submit these items directly to Justice and Social Inquiry by the same deadline:

- A personal statement (one-and-a-half to two pages, double spaced) outlining areas of interest, educational and career goals.
- Three letters of reference (academic references are preferred).
- A writing sample, 10 pages minimum (research that best represents the applicant's academic thinking and writing skills).

Send these materials to:

Justice and Social Inquiry Graduate Programs
Arizona State University
P.O. Box 874902

Tempe, AZ 85287-4902

Contact Information:

Liberal Arts & Sciences, College of
School of Social Transformation
<http://justice.clas.asu.edu/graduate>
WILSN 122
graduate.justice@asu.edu
480-965-6008

Liberal Studies, MLSt (LAMLSMLS)

Online Degree Search Title: Liberal Studies (MLSt)

Campus: ONLNE, TEMPE

Program Description: The M.L.St. offers students interested in a multidisciplinary approach to human ideas and values an opportunity to expand their liberal arts backgrounds. The program is intended for students seeking a graduate degree that explores the integration of the humanities with political, religious, social and scientific questions within their cultural contexts. The program connects students to the entire College of Liberal Arts and Sciences and integrates the disciplines.

Degree Requirements: 30 credit hours including the required course (MLS 593) and an Applied Project.

Students are required to take three core classes, six electives and an applied project. We offer four core classes and students select any three of the four offered.

Core Courses, three hours each

MLS 501 Writing About Social Issues

MLS 502 Religion, Health and Culture

MLS 503 Ethics, Science and Culture

MLS 504 Film and Media Studies

Electives

Eighteen hours of electives, no more than nine in the same department.

Emphasis areas available:

- Borders: migration, health and cultural identity.
- Gender, religion and culture.
- Science, nature and creative nonfiction writing.

Admission Requirements: Applicants must submit:

- An online Graduate College application.
- A letter of interest in the program.
- A resume, biographical statement or curriculum vitae.

Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Contact Information:

Liberal Arts & Sciences, College of
Dean, College of Liberal Arts and Sciences
<http://clas.asu.edu/liberalstudies/mls>
WILSN 310
paulmorris@asu.edu
480-727-0819

Liberal Studies (Film and Media Studies), MLSt (LAFMSMLS)

Online Degree Search Title: Liberal Studies (Film and Media Studies) (MLSt)

Campus: TEMPE

Program Description: The M.L.St. in film and media studies offers students interested in a multidisciplinary approach to international human ideas and values an opportunity to expand their liberal arts background through the study of film and media in society. The program is intended for students seeking a graduate degree that explores the integration of the humanities with political, religious, social and scientific questions within their cultural contexts. Studies focus on the aesthetics and theory of international film and media. The program connects students to the entire College of Liberal Arts and Sciences and integrates the disciplines.

Degree Requirements: 30 credit hours including the required course (MLS 593) and an Applied Project.

Students are required to take three core classes, six electives and an applied project. We offer four core classes and students select any three of the four offered.

Core Courses

- MLS 501 Writing About Social Issues (3)
- MLS 502 Religion, Health and Culture (3)
- MLS 503 Ethics, Science and Culture (3)
- MLS 504 Film and Media Studies (3)

Electives (18)

Admission Requirements: Applicants must submit:

- An online Graduate College application.
- A letter of interest in the program.
- A resume, biographical statement or curriculum vitae.

Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Contact Information:

Liberal Arts & Sciences, College of
Dean, College of Liberal Arts and Sciences
<http://clas.asu.edu/liberalstudies/mls>
WILSN 310
paulmorris@asu.edu
480-727-0819

Linguistics (certificate), CERT (LALINGUICE)

Online Degree Search Title: Linguistics (Grad Certificate)

Campus: TEMPE

Program Description: This interdisciplinary graduate certificate in linguistics offers students in several fields the opportunity to gain an understanding of the way in which languages are structured, how they are acquired and how they vary over time, space, social distance and situational contexts.

The skills acquired through the completion of the core courses for this certificate include:

- Analytical abilities.
- Communication skills.
- Critical thinking.
- Problem-solving.

In addition, the knowledge acquired in the areas of discourse analysis and pragmatics makes students aware of the necessity to use appropriate registers and styles when creating written documents or oral presentations to different audiences.

Degree Requirements: 18 credit hours.

The required nine credit-hour core of the certificate consists of courses in:

- Discourse analysis/pragmatics.
- Phonology.
- Syntax.

The other three courses (nine credit hours) may be chosen from fields such as:

- Educational Linguistics.
- Natural Language Processing.
- Second language acquisition/applied linguistics.
- Sociolinguistics.

Prerequisite: Introductory course in linguistics (taken at the upper-division or graduate level. Consult certificate director for advice.

All certificate course work must be completed with an average grade of "B" (3.00) or higher.

Admission Requirements: The graduate certificate in linguistics is available to all ASU graduate students irrespective of their major and to nondegree graduate students and working professionals provided they meet eligibility criteria. Students are advised that only nine hours may be taken in nondegree or certificate status and applied to a graduate degree or certificate program.

Eligibility requirements for obtaining the graduate certificate include having:

- Completed an undergraduate bachelor's from an U.S.-accredited institution or equivalent.
- Formal knowledge of a foreign language, equivalent to two years of study of a foreign language at the university level or plans to fulfill the language requirement concurrently with their certificate courses. The language requirement may be met by completion of courses through the second-year level (four semesters) at ASU or elsewhere; or completion of an upper-division language course with an average of "B" (3.00) or better for all such coursework (200 or 300-level); or through examination, indicating they should be placed above the 200-level. (Language placement tests are available online at the Language Placement Policies and Tests website. See: <http://www.asu.edu/languages>) If this requirement is not already fulfilled at the time of application, candidates must demonstrate completion of this requirement at the end of their certificate course work in order for their certificate to be granted.
- An introductory course in linguistics at the upper-division or graduate level.

Application Process

Applications are accepted year-round. Applicants must complete the Graduate College Online Application for Admission. Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency. Supporting documents consisting of a resume and statement of purpose must be uploaded into the online application. The statement should be a one- to two-page, well-considered statement of purpose detailing the student's background and reasons for wanting to complete the linguistics certificate.

Once the student has filed the online application, he or she should send unofficial transcripts, the statement of purpose and a resume via email to the Graduate Program Manager in the Department of English at sheila@asu.edu ("mailto:sheila@asu.edu") with the subject heading "Linguistics Certificate Application."

For further information e-mail enggrad@asu.edu ("mailto:enggrad@asu.edu") or call 480-965-3194.

Questions about the application process and other logistical matters concerning the certificate should be directed to enggrad@asu.edu ("mailto:enggrad@asu.edu") or 480-965-3194.

Contact Information:

Liberal Arts & Sciences, College of

Department of English

<http://english.clas.asu.edu/gradstudies-lingcert>

LL 543B

enggrad@asu.edu

480-965-3194

Marriage and Family Therapy, MAS (LAMFTMAS)

Online Degree Search Title: Marriage and Family Therapy (MAS)

Campus: TEMPE

Program Description: The purpose of this self-contained accelerated program is to provide high quality course work and supervised internship experiences that meet the degree requirements for licensure in the State of Arizona to practice marriage and family therapy as determined and laid out by the Arizona Board of Behavioral Health Examiners. The degree requirements are specified by the board and the program is designed to train practitioners who wish to practice marriage and family therapy.

Degree Requirements: 39 Credit Hours and a Master's Research Paper.

The M.A.S. in marriage and family therapy program requires 1) the successful completion of a minimum of 39 credit hours, and 2) an applied project, including required course work and completion of 300 client-contact hours in a community internship placement approved by the M.A.S. in marriage and family therapy faculty. Internships are expected to last approximately 12 months. Students must maintain a GPA of 3.00 in all course work and satisfactorily meet the expectations of the agency supervising their internship.

Foreign Language Requirements: None

Thesis Requirements: None

GRE Scores: GRE scores are waived for this program.

Transportation: Students are required to have a vehicle and a valid Arizona driver's license for internship placement.

Written/Oral Internship Examination: An internship entrance examination to demonstrate readiness for internship placement will be held at the end of the first eight-week semester.

Admission Requirements: Applicants must submit the online Graduate College application.

Admission to the program is determined by the following criteria:

- A personal statement.
- Admission to the ASU Graduate College.
- Official transcripts of the applicant's academic record.
- Three letters of recommendation from individuals familiar with the applicant's academic background.

Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Contact Information:

Liberal Arts & Sciences, College of
School of Social and Family Dynamics
<http://ssfd.clas.asu.edu/>
SS 144
email@ssfd.info
480-965-6978

Mathematics, MA (LAMATHMA)

Online Degree Search Title: Mathematics (MA)

Campus: TEMPE

Program Description: The M.A. is designed to increase mathematical knowledge beyond the traditional bachelor's degree in order to prepare students for careers requiring sophisticated mathematical skills. Students may choose to specialize in:

- Applied mathematics.
- Core mathematics.
- Mathematics education.
- Statistics.

Degree Requirements: 30 credit hours and 2 Written Comprehensive Exams, or 30 credit hours and 2 Written Comprehensive Exams (MIP), or 30 credit hours, a Thesis and a Written Comprehensive Exam.

Thesis option

The degree program requires:

- Thirty credit hours of math or math-related graduate course work.
- Six of the 30 credit hours must consist of the thesis (599).
- The student must also complete one qualifying examination. See the school website for examination information.
- A final oral examination in defense of the thesis.

Nonthesis Option

The degree program requires:

- Thirty credit hours of math or math related graduate course work.
- Students must also complete two qualifying examinations. See the school website for examination information.

Admission Requirements: Applicants must submit:

- The Graduate College online application.
- The general GRE scores.
- Official transcripts.
- A statement of education and career goals.
- Three letters of recommendation.

Applicants from a country whose native language is not English (regardless of where they now may reside) must provide proof of English proficiency.

Minimum background for consideration of admission to the master's program includes:

- A bachelor's degree in mathematics or a closely related area with a 3.00 GPA (4.00 scale).
- Course work in linear algebra (equivalent to ASU course MAT 342) and advanced calculus (equivalent to ASU course MAT 371).

Contact Information:

Liberal Arts & Sciences, College of
School of Mathematical and Statistical Sciences
<http://math.asu.edu/>
PSA 216
grad.math@asu.edu
480-965-3951

Mathematics, PHD (LAMATHPHD)

Online Degree Search Title: Mathematics (PhD)

Campus: TEMPE

Program Description: The Ph.D. is intended for students with superior mathematical ability. It emphasizes a solid mathematical foundation and promotes creative scholarship in mathematics and its many related disciplines.

Degree Requirements: 84 credit hours, a Written Comprehensive Exam, a Prospectus and a Dissertation.

Program requirements:

- Each student must write a dissertation and defend it orally in front of five dissertation committee members.
- Students must pass two qualifier examinations, a written comprehensive examination and an oral dissertation prospectus. See the school website for examination information.
- Twelve credit hours of dissertation (799).

Admission Requirements: Applicants must submit:

- The Graduate College online application.
- The general GRE scores.
- Official transcripts.
- A statement of education and career goals.
- Three letters of recommendation.

Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency. Minimum background for consideration of admission to the Ph.D. program in mathematics includes:

- A bachelor's in mathematics or a closely related area with a 3.00 GPA (4.00 scale).
- Course work in linear algebra (equivalent to ASU course MAT 342) and advanced calculus (equivalent to ASU course MAT 371).

Contact Information:

Liberal Arts & Sciences, College of
School of Mathematical and Statistical Sciences
<http://math.asu.edu/>
PSA 216
grad@math.la.asu.edu
480-965-3951

Mathematics Education, PHD (LAMTEPHD)

Online Degree Search Title: Mathematics Education (PhD) (Mathematics and Statistics Dept - Grades 9-20)

Campus: TEMPE

Program Description: This interdisciplinary program accommodates students from a variety of academic backgrounds. It provides students with a solid foundation in graduate level mathematics as well as research skills and perspectives that will allow them to deal broadly with mathematics problems of:

- Curriculum.
- Equity.
- Learning.
- Policy.
- Teaching.
- Technology.

Conducting individual and collaborative research in the learning and teaching of mathematics is an integral part of the program.

Degree Requirements: 84 credit hours, a Written Comprehensive Exam, an Oral Comprehensive Exam, a Prospectus and a Dissertation.

- Each student must write a dissertation and defend it orally in front of five dissertation committee members.
- An oral comprehensive examination.
- An oral dissertation prospectus defense.
- Six credit hours of research (792).
- Twelve credit hours of dissertation (799).
- Twelve credit hours of Research in Undergraduate Mathematics Education (RUME) 1-4, with qualifying exams given in RUME 1 and 2.
- Two graduate math sequences from a list of options. See the school website for examination information.
- A written comprehensive examination.

See the department website for examination information.

Admission Requirements: Applicants must submit:

- The Graduate College online application.
- The general GRE scores (students must be competitive in an applicant pool)
- Official transcripts.
- A statement of education and career goals.
- Three letters of recommendation (at least two of these must be from faculty).
- A writing sample.

Minimum background for consideration of admission to the Ph.D. program in mathematics education includes a master's in mathematics or a closely related area with a 3.00 GPA (4.00 scale), or a bachelor's degree in mathematics or a closely related area with exceptionally high grades and advanced course work in mathematics.

Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Contact Information:

Liberal Arts & Sciences, College of
School of Mathematical and Statistical Sciences
<http://math.asu.edu/>
PSA 216
grad.math@asu.edu
480-965-3951

Medieval Studies (certificate), CERT (LAMEDSTCE)

Online Degree Search Title: Medieval Studies (Grad Certificate)

Campus: TEMPE

Program Description: The certificate program prepares students for advanced study or for academic positions by augmenting their skills and knowledge, thereby making them better equipped to meet the demands of their fields.

Degree Requirements: 18 credit hours and a Thesis (MA Certificate), or 27 credit hours, a Prospectus and a Dissertation (PhD Certificate).

Medieval Latin:

One semester (three to four credit hours) for M.A. students, two semesters (six to eight credit hours) for Ph.D. students, with proficiency attested either by achieving a grade of "B" (3.00) or better in the Medieval Latin course(s) or by satisfactory performance on the Medieval/Renaissance Latin examinations offered by the Centre for Medieval Studies at the University of Toronto. (This requirement presupposes two years or 12 to 16 credit hours or equivalent of undergraduate training in Latin.)

Medieval vernacular language (e.g., Old English, Old Norse, Old French):

Two semesters (six credit hours) for M.A. students, three semesters (nine credit hours) for Ph.D. students.

Paleography: One semester (three credit hours).

Course work outside the major discipline: Two semesters (six credit hours) for M.A. students, three semesters (nine credit hours) for Ph.D. students.

Thesis or dissertation:

In the area of medieval studies (three to six credit hours) for students not concentrating in the area for their degree. Students in the area fulfill the thesis requirement by writing a thesis or dissertation in the field.

Admission Requirements: All applicants to any certificate program must submit the Graduate College online application. Graduate students admitted to a degree program in any field may earn one of two master's- or doctorate-level certificates: the certificate in medieval studies or the certificate in Renaissance studies.

Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Contact Information:

Liberal Arts & Sciences, College of
Historical, Philosophical & Religious Studies, Sch
<http://acmrs.org/academic-programs/certificate>
COOR 4432
acmrs@asu.edu
480-965-8097

Microbiology, PHD (LAMICROPHD)

Online Degree Search Title: Microbiology (PhD)

Campus: TEMPE

Program Description: The microbiology graduate program offers a dynamic research environment, broad range of basic, translational and use-inspired research areas, cutting-edge interdisciplinary training, and opportunities to work with world class faculty and collaborative research partners committed to training scientific leaders with skills necessary to address significant global microbiological problems and challenges. The program prepares students for research and teaching careers in universities and colleges, government agencies and industry.

Degree Requirements: 84 credit hours, a Written Comprehensive Exam, an Oral Comprehensive Exam, a Prospectus and a Dissertation. The plan of study is designed by the student and the supervisory committee, consisting of a major professor and three additional faculty members. The program is tailored to the needs of the individual student.

- Eighty-four credit hours are required.
- A formal defense of the final written dissertation is required prior to graduation.
- The remainder hours are comprised of coursework showing breadth in microbiology and related disciplines, seminars and research.
- Twelve hours of dissertation are required.
- Written and oral comprehensive examinations are required in order to advance to candidacy.

Admission Requirements: Applicants must submit the Graduate College online application. Admission criteria are as follows. Applicants should have:

- A 3.00 minimum GPA during the last two years or last 60 credit hours of undergraduate or master's studies, with a significant number of science credits included in these.
- Completion of the requirements for an undergraduate major in biology, microbiology, chemistry or related discipline, with a strong background in mathematical and physical sciences
- Minimum GRE scores in verbal (50th percentile), quantitative (70th percentile) and writing (5)
- Test of English as a Foreign Language (TOEFL) scores of 600 paper-based or 100 Internet-based for non-native English speakers.

Contact Information:

Liberal Arts & Sciences, College of
School of Life Sciences
<http://sols.asu.edu/grad/>
LSC 226
sols.grad@asu.edu
480-965-1768

Molecular and Cellular Biology, PHD (LACELLPHD)

Online Degree Search Title: Molecular/Cellular Biology (PhD)

Campus: TEMPE

Program Description: The Ph.D. in molecular and cellular biology (MCB) prepares students for careers that span traditional disciplinary boundaries. Research in this exciting field is focused on understanding the fundamental molecular events that are at the core of all life. The goal of the program is to provide a diverse range of research and training opportunities for doctoral students interested in pursuing a multidisciplinary approach to their studies that extends beyond the traditional boundaries of biological research. The broad-based training provides the necessary skills for professional careers in academic institutions, governmental institutions, and industry, particularly those related to health and chemical sciences.

Participating faculty and researchers are drawn from multiple departments, colleges, centers and institutes across the university, including the School of Life Sciences, the Department of Chemistry and Biochemistry, the School of Biological and Health Systems Engineering, the School of Mechanical, Aerospace, Chemical and Materials Engineering, the School of Mathematical and Statistical Sciences, the School of Human Evolution and Social Change, the Department of Psychology, and the New College of Interdisciplinary Arts and Sciences. Participating faculty are also based at partner institutions in the greater Phoenix area, including the Translational Genomics Research Institute, Mayo Clinic in Arizona, Barrow Neurological Institute, Carl T. Hayden Veteran's Administration Medical Center and University of Arizona College of Medicine-Phoenix.

Degree Requirements: 84 credit hours, a Written Comprehensive Exam, an Oral Comprehensive Exam, a Prospectus and a Dissertation. The plan of study is designed by the student and the supervisory committee, consisting of a major professor and three additional faculty members; major professor and one other must be from MCB core faculty.

- Eighty-four credit hours are required.
- A formal defense of the final written dissertation is required prior to graduation.
- An oral and written comprehensive examination are required in order to advance to candidacy.
- Twelve credit hours of dissertation are required and the remaining hours are comprised of core course work, seminars and research.

Admission Requirements: All applicants must submit the Graduate College online application. Admission criteria are as follows:

- A 3.00 minimum GPA during the student's last two years or last 60 credit hours.
- Minimum General GRE scores in verbal, quantitative, and writing. Subject GRE not required.
- Test of English as a Foreign Language (TOEFL) scores of 600 paper-based or 100 Internet-based for non-native English speakers.

Contact Information:

Liberal Arts & Sciences, College of
 School of Life Sciences
<http://sols.asu.edu/grad/>
 LSC 226
 sols.grad@asu.edu
 480-965-1768

Museum Studies, MA (LAMUSSTMA)

Online Degree Search Title: Museum Studies (MA)

Campus: TEMPE

Program Description: The M.A. in museum studies provides those planning to enter museum work or related fields (or those already working in museums or related fields) with the interdisciplinary orientation, skills and social and cultural knowledge required for success in this rapidly expanding and changing cultural form. The program examines how museums produce and reflect culture and the role museums play worldwide. Students develop theoretical questions and applied skills that engage the functions, practices and critical analyses of museums. Courses address topics across the interdisciplinary boundaries of museum studies in three areas of study:

- Anthropology.
- Art history, theory and criticism.
- Public history.

The program is designed to be use-inspired, socially embedded and trans-cultural, educating students in the meaning and significance of museums in contemporary society and preparing them for diverse museum careers.

Students accepted into the program will be involved in interdisciplinary projects at the Anthropology Museum, the Archaeological Research Institute, the Center for American Archeology, the ASU Museum of Art, Deer Valley Rock Art Center and other museums and collections (more than 35) managed by ASU. In addition, the program will collaborate with art, history and other museums and agency partners locally, nationally and internationally.

Degree Requirements: 30 credit hours and a Research Portfolio.

The Master of Arts in museum studies requires that all students complete the following three courses, two of which must be taken during the first year of study:

- ASB 500 Museum Studies Research Methods
- ASB 574 Exhibit Design and Development
- ASB 579 Critical Issues in Museum Studies

Students must complete six credit hours of internship (ASB 584) approved by their supervisory committees, usually in a museum setting or museum quality collection or archive related to their chosen area of study: anthropology; art history, theory and criticism; or public history. On completion, students must submit a journal/portfolio about the internship and skills acquired.

Additionally, six hours of ASB 592 research are required.

Admission Requirements: Students must submit an online application to the Graduate College. The application deadline is Dec. 15 for admission in the following fall. There are no spring admissions. In addition to the general requirements for admission to the Graduate College, applicants must also provide:

- A statement of purpose outlining career and educational goals.
- A current curriculum vitae or resume.
- An optional sample of their written work.
- Three letters of recommendation.
- Official GRE scores.
- Transcripts of all undergraduate and graduate course work.

Suitable backgrounds for admission include disciplines related to museum studies, anthropology, history or art (fine art or art history). Minimum GPA for consideration for admission would normally be 3.50 cumulative GPA (4.00="A" scale) in the last 60 hours of a student's bachelor's program.

Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Contact Information:

Liberal Arts & Sciences, College of
School of Human Evolution & Social Change
<http://shesc.asu.edu/>
SHESC 233
shescgrad@asu.edu
480-965-6215

Museum Studies (certificate), CERT (LAMUSEUMCE)

Online Degree Search Title: Museum Studies (Grad Certificate)

Campus: TEMPE

Program Description: Museum anthropology encompasses theoretically oriented analyses of museums as cultural institutions (including the activities of staff members, visitors, represented peoples and all implicated others) as well as applied aspects of working in museums and related agencies.

Drawing on all subdisciplines of anthropology, special emphasis is placed on connecting material culture and ideation in a variety of institutional and field settings. Museum anthropology students apply museum philosophy, principles, practices and current critiques to explore the many dimensions of curatorship, including:

- Administration.
- Collections management.
- Educational programming.
- Exhibition work.
- Research.

Degree Requirements: 18 credit hours.

Eighteen credit hours are required, which include 1) 12 hours of required course work, and 2) a six-credit-hour internship at an approved museum. All requirements for the certificate program should be completed within a three-year time limit with a cumulative grade point average of at least 3.00. Students who require more time to finish the program (because of their part-time status or lack of desirable/available courses) must obtain approval from the executive committee.

For students currently enrolled in an ASU graduate degree program, applicable certificate courses may count towards their degree program with the approval and consent of the degree granting program. The certificate may be taken independently or in conjunction with the M.A. in anthropology with a concentration in museum anthropology. For certificate students who are later admitted to an ASU graduate degree program, up to 12 credit hours from the certificate program may count toward their doctoral degree or up to nine credit hours may count towards their master's, with the approval and consent of the degree-granting program.

Admission Requirements: Students must submit an online application to the Graduate College. In addition to the general requirements for admission to the Graduate College, applicants must also provide:

- A statement of purpose outlining career and educational goals.
- A current curriculum vitae or resume.
- An optional sample of their written work.
- Three letters of recommendation.
- Official GRE scores.
- Transcripts of all undergraduate and graduate course work.

Suitable backgrounds for admission include disciplines related to museum studies, anthropology, history or art (fine art or art history). Minimum GPA for consideration for admission would normally be 3.50 cumulative GPA (4.00="A" scale) in the last 60 hours of a student's bachelor's program.

Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

For U.S. Department of Education Gainful Employment Program Disclosure information, see

http://catalog.asu.edu/files/shared/GE_Disclosure_LAMUSEUMCE.pdf (http://catalog.asu.edu/files/shared/GE_Disclosure_LAMUSEUMCE.pdf).

Contact Information:

Liberal Arts & Sciences, College of
School of Human Evolution & Social Change
<http://shesc.asu.edu/>
SHESC 233
shescgrad@asu.edu
480-965-6215

Nanoscience, PSM (LANANPSM)

Online Degree Search Title: Nanoscience (PSM)

Campus: TEMPE

Program Description: The P.S.M. in nanoscience is a cohesive program of interdisciplinary courses that provide the knowledge base required for research and innovation in nanoscience. The program incorporates courses in:

- Chemistry and biochemistry.
- Electrical engineering.
- Materials science.
- Physics.

Commercial innovation is a particular target goal of the degree, including applications in:

- Health care.
- Nano-medicine.
- Optics.
- Semiconductor electronics and optoelectronics.
- Sensors.

The P.S.M. in nanoscience program is suitable for working professionals as well as for students who have obtained a traditional bachelor's or master's in related fields.

Degree Requirements: 30 Credit Hours including the required course (NAN 593) and an Applied Project.

Core courses account for 15 of the 30 credits, including society- and intellectual-property-based courses in addition to core science courses. Many of the requisite elective courses are currently offered within the Departments of Physics and Chemistry and Biochemistry. Most are cross-listed with other units.

The program includes a two-semester, student-centered professional seminar where the central role of the program as a vehicle for innovation emerges. During the spring semester and summer session, students conduct an individual applied project in association with a research group. The degree does not require a thesis. Rather, the applied project forms the basis of the final capstone presentation.

Core Courses (two three-credit hours each):

- NAN 505 Nanoscience and Society (two credits, final summer session)
- NAN 506 Innovation and IP Management (two credits, final summer session)
- NAN 571 Quantum Physics for Nanoscience (three credits, fall semester)

- NAN 591 Professional Seminar (two credits each fall and spring)
- NAN 593 Applied Project (three credits each, spring and final summer session)

The NAN 505 and 506 courses are designated as alternate core courses, which in some years will be given within the professional seminar. Three alternate program options may be found at: <http://nanoscience.asu.edu/content/psm-program-study-and-program-options>.

Throughout the program, students interact with research faculty and other students in a variety of disciplines related to nanoscience. Students also meet with visiting speakers and industrialists in the Professional Seminar, as well as other seminars.

If taken full-time, the P.S.M. in nanoscience can be completed in 12 months (fall semester, spring semester and two summer sessions). Another option is our two-year, part-time program, which allows prospective students and their employers flexibility in scheduling their program of study.

Admission Requirements:

- Applicants must submit an online Graduate College application, with accompanying materials as specified on the Graduate College website.
- Applicants who hold a bachelor's from a regionally accredited institution in physics, chemistry or a related field are eligible to apply to the program.
- GRE scores are not required for application, but will be taken into consideration if submitted.
- This program also seeks to attract students already employed in related areas, and who wish to become knowledgeable and skilled in nanoscience.
- A Test of English as a Foreign Language (TOEFL) or equivalent score for non-native English speakers will be required when applicable.

Contact Information:

Liberal Arts & Sciences, College of

Department of Physics

<http://nanoscience.asu.edu/>

PSF 470

nanoscience@asu.edu

480-965-3561

Natural Science (Geological Sciences), MNS (LANATSCIMN)

Online Degree Search Title: Geological Sciences (MNS)

Campus: TEMPE

Program Description: The School of Earth and Space Exploration (SESE) participates in the program leading to the M.N.S. in geological sciences. This interdisciplinary degree is designed to meet the needs of professionals seeking a graduate-level degree. The program offers the opportunity for interdisciplinary graduate training in the natural sciences (i.e., biological sciences, mathematics and physical sciences) and cognate areas. The degree program is especially suited for individuals who desire professional training rather than research training. Because of designed flexibility, the degree also offers the opportunity for individualized professional graduate programs depending upon the backgrounds and goals of the students. Students are expected to emphasize course work in two or more areas of concentration. The program must be interdisciplinary.

Degree Requirements: 30 credit hours and an Applied Project.

The supervisory committee is chosen by the student in conjunction with his/her advisor. The composition of the supervisory committee must reflect the interdisciplinary nature of the program. The student will develop a suitable applied project with the approval of the supervisory committee. A program of study is recommended by the supervisory committee after conferring with the student. While the minimum number of credit hours required for the degree is 30, more may be required by the supervisory committee depending upon the background of the student and the nature of the proposed program. All SESE students are also required to take two two-credit seminars: GLG500 (Colloquium) and GLG591 (Faculty Research Seminar). In some cases undergraduate courses may be required to remove deficiencies. An applied project is required; however, a thesis is optional. For the thesis option, a final written or oral examination, or both, is required. Each examination is administered by the supervisory committee.

Admission Requirements: Applicants must submit the Graduate College online application. Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

In addition to the materials required by the ASU Graduate College, students applying for admission to the program must submit:

- GRE scores (verbal, quantitative and analytical).
- A statement of purpose.
- Three letters of recommendation.

The application deadline for fall semester is Dec. 15 of the previous year.

Contact Information:

Liberal Arts & Sciences, College of
Department of Geological Sciences
<http://sese.asu.edu/>
PSF 686
seseinfo@asu.edu
480-965-5081

Natural Science (Physics), MNS (LAPHYSMNS)

Online Degree Search Title: Physics (MNS)

Campus: TEMPE

Program Description: The Master of Natural Science (M.N.S.) curriculum provides interdisciplinary graduate training in physics, physical science or physics education. The degree is especially suited for high school science teachers who desire professional training rather than research training. Designed for flexibility, the curriculum also features individualized professional graduate programs. These programs are well suited to the backgrounds and goals of students. Students are expected to emphasize course work in two or more areas of concentration. The program must be interdisciplinary.

Degree Requirements: 30 credit hours including the required course (PHS 593) and an Applied Project.

Supervisory Committee:

- The graduate advisor and the student suggest names of persons to serve on the supervisory committee. The supervisory committee recommends the plan of study, after conferring with the student.
- The supervisory committee, consisting of three faculty members, is appointed by the dean of the Graduate College upon the recommendation of the chair of the Department of Physics.
- The supervisory committee is formed soon after the student has been admitted to the degree program and must reflect the interdisciplinary nature of the program.
- The supervisory committee may require more courses, depending upon the background of the student and the nature of the proposed program. In some cases undergraduate courses may be required to overcome deficiencies.

Teachers may enroll in these courses in order to earn credit toward recertification or to pursue an M.N.S. degree. For some courses, the prerequisites are two semesters of trigonometry-based college physics and an introductory calculus course. These courses are held during the

summer. Depending on teacher interest, they may be offered at other times. Additional information about the M.N.S. for high school physics teachers is available at: <http://physics.asu.edu/graduate/mns/overview> (<http://physics.asu.edu/graduate/mns/overview>).

Admission Requirements:

- Applications must be submitted online with accompanying materials as specified by the Graduate College. To obtain application forms, access the department website.
- Requirements for admission are the availability of resources for the proposed program and a Department of Physics faculty member designated to serve as a graduate advisor.
- The submission of scores on the GRE (verbal, quantitative, and analytical) is required of all applicants. The GRE subject examination is not required.
- A Test of English as a Foreign Language (TOEFL) or equivalent score for non-native English speakers will be required when applicable.

Contact Information:

Liberal Arts & Sciences, College of
Department of Physics
<http://physics.asu.edu>
PSF 470
physics.grad@asu.edu
480-965-3561

Philosophy, MA (LAPHILMA)

Online Degree Search Title: Philosophy (MA)

Campus: TEMPE

Program Description: The M.A. in philosophy program is designed to prepare students to:

- Be employed in any areas that require critical and analytical thinking (such as medicine, law, government or publishing).
- Enter doctoral programs in philosophy at other institutions.
- Teach philosophy at the community college level.

Degree Requirements: 30 credit hours and a Portfolio, or 30 credit hours and a Thesis, or 30 credit hours, a Written Comprehensive Exam and an Oral Comprehensive Exam (MIP).

There are two tracks of study for the M.A. in philosophy:

Thesis Option

- An additional six credit hours of PHI 599 Thesis is required (see Thesis Requirements below).
- Each student must take at least 24 credit hours of approved graduate-level courses, not including PHI 599 Thesis.
- Each semester's program of study must be approved by the director of graduate studies.
- Each student is required to take an approved graduate-level course of three credit hours or more in each of the following four major areas and to obtain at least a "B" (3.00) in each course: epistemology, history, metaphysics and value theory.
- Students must maintain a "B" (3.00) average or better in their graduate course work and at least a "B" (3.00) in the courses specified above.

Thesis Requirements

- After the thesis committee is formed, the student shall, within a reasonable time, present a thesis prospectus to that committee for approval.
- Each student must complete six credit hours of PHI 599 Thesis; no more than six credit hours of PHI 599 may count toward the 30-credit-hour requirement.
- This written work must demonstrate the ability to carry out independent research in philosophy.
- At the end of the third semester of graduate work, each student shall form a thesis committee, with the approval of the director of graduate studies. One member, the "director," shall chair the thesis committee. At least two members of the thesis committee, including the director, shall be members of the philosophy department.
- Once the thesis committee has certified that the student's thesis is sufficiently complete, the student shall present an oral defense of the thesis. The committee may still require changes in the thesis after the oral defense.

Nonthesis Option

- An additional three hours of PHI 592 Research is required to prepare the portfolio.
- Each semester's program of study must be approved by the director of graduate studies.
- Each student must take at least 27 credit hours of approved graduate-level courses, not including PHI 592 Research.
- Each student is required to take an approved graduate-level course of three credit hours or more in each of the following four major areas and to obtain at least a "B" (3.00) in each course: epistemology, history, metaphysics and value theory. An overall GPA of "B" (3.00) is required.

Portfolio Requirements

- A portfolio is required. This written work must consist of two papers from one of the major areas and must demonstrate the ability to carry out independent research in philosophy.
- Each student must complete three hours for PHI 592 Research; no more than three credit hours of PHI 592 may count toward the 30-credit-hour requirement.
- At the end of the third semester of graduate work, each student shall form, with the approval of the director of graduate studies, a portfolio committee. At least two members of the portfolio committee, including the director, shall be members of the philosophy department.
- After the portfolio committee is formed, the student shall, within a reasonable time, present a portfolio prospectus to that committee for approval.
- Once the portfolio committee has certified that the student's portfolio is sufficiently complete, the student shall present an oral defense of the portfolio. The committee may still require changes in the portfolio after the oral defense.

Admission Requirements: Applicants must submit an online Graduate College application. All applications for admission to the M.A. in philosophy must be accompanied by:

- The applicant's current curriculum vitae.
- The applicant's score in the GRE.
- Complete transcripts.
- A sample of philosophical writing.
- A statement of purpose.
- Three letters of recommendation from persons qualified to judge the applicant's potential for graduate work in philosophy.

Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency. The application deadline is Feb. 15.

Contact Information:

Liberal Arts & Sciences, College of
Historical, Philosophical & Religious Studies, Sch
<http://shprs.clas.asu.edu/philosophy>
COOR 3312
philosophy@asu.edu
480-965-5778

Philosophy, PHD (LAPHILPHD)

Online Degree Search Title: Philosophy (PhD)

Campus: TEMPE

Program Description: The Ph.D. in philosophy is designed to prepare students for careers:

- As philosophers.
- As teachers of philosophy.
- In areas that may benefit from advanced training in philosophy (such as law, civil service and publishing).

Degree Requirements: 84 credit hours, a Written Comprehensive Exam, an Oral Comprehensive Exam, a Prospectus and a Dissertation.

The student's plan of study is selected by the student in consultation with the graduate director and the supervisory committee and is approved by the supervisory committee.

Course requirements:

To ensure breadth in the traditional areas of philosophy, students must pass with a grade of "B" (3.00) or better:

- One graduate course in history of philosophy (including areas such as the history of ethics, the history of political philosophy, and the study of particular historical figures).
- Two graduate courses in value theory (including areas such as philosophy of law, political philosophy, any branch of ethics and feminist approaches to these areas).
- Two graduate courses in metaphysics and epistemology (including areas such as philosophy of language, philosophy of science and philosophy of mind).
- One graduate course in formal methods (including areas such as logic, the philosophy of mathematics, formal semantics and formal approaches to rationality).

Foreign Language Requirement:

None.

Comprehensive Examination:

Students will be examined in their area of specialization. Normally, this occurs after the student has completed at least 60 hours of graduate

coursework. The student, with the advice of his or her committee, shall construct a bibliography. Approval of the bibliography must be secured from the committee one semester in advance of the scheduled written examination. The committee shall provide the student some questions at least 30 days prior to the examination, from which the written examination questions will be taken. The written examination shall occur on a single day and shall last no longer than six hours; three hours in the morning and three hours in the afternoon. The student may not use notes of any kind during the written examination. The oral examination normally follows the written examination within two weeks, depending on the availability of the committee.

Dissertation Prospectus:

Each doctoral candidate will prepare a prospectus of four to seven pages for the dissertation. The format and design of the prospectus will be determined by the candidate and committee chair. The prospectus should include the following:

- Bibliography.
- Discussion of the approach to the project.
- Discussion of relevant literature.
- Thesis statement.

Doctoral students achieve candidacy status in a letter from the dean of the Graduate College upon passing the comprehensive examinations and successfully defending the dissertation prospectus.

Dissertation:

A dissertation based on original research is required. Research for the dissertation is supervised by a committee of at least three faculty members, appointed by the graduate director in consultation with the student. Students must enroll for a minimum of 12 credit hours of research or dissertation credit after admission to candidacy.

Final examination:

An oral examination in defense of the dissertation is required.

Admission Requirements: Applicants must submit the Graduate College online application. All applications must be accompanied by:

- The applicant's current curriculum vitae.
- The applicant's score in the GRE.
- Complete transcripts.
- A sample of philosophical writing.
- A statement of purpose.
- Three letters of recommendation from persons qualified to judge the applicant's potential for graduate work in philosophy.

Contact Information:

Liberal Arts & Sciences, College of
Historical, Philosophical & Religious Studies, Sch
<http://shprs.clas.asu.edu/philosophy>
COOR 3312
philosophy@asu.edu
480-965-5778

Philosophy (History and Philosophy of Science), MA (LAHPSMA)

Online Degree Search Title: Philosophy (History and Philosophy of Science) MA

Campus: TEMPE

Program Description: Nationally, there is great interest in science and in understanding the nature of science and the forces that change scientific research. The job market in philosophy is strong for philosophers of science (and especially in the life sciences) with some positions remaining unfilled even when the market is intensely competitive in other areas. In addition, the history and philosophy of science is becoming a strong disciplinary emphasis within growing professional societies.

Some programs, elsewhere, focus primarily on philosophy or primarily on history, but those that bring the two together are regarded among the strongest in each area. The objective, here, is to provide a program for students who come to history and philosophy of science from the humanities and who seek a career based in philosophical analysis of the sciences. We have the research strength competitive with any international program.

Degree Requirements: 30 credit hours, a Thesis and including a Capstone (HPS 551).

Graduate course work for the M.S. includes:

- History of science (3)
- Philosophy of science (3)
- Topics in the history of science (3)
- Topics in the philosophy of science (3)
- Research methods in the history and philosophy of science (3)
- Prospectus writing (3)
- Research and thesis (12)

Admission Requirements: All applicants must submit the Graduate College online application. Applicants must possess a bachelor's from a regionally accredited university or the equivalent and have attained a cumulative GPA in their last 60 credit hours of their bachelor's degree of at least 3.00 (4.00 scale).

Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Contact Information:

Liberal Arts & Sciences, College of
Historical, Philosophical & Religious Studies, Sch
<http://sols.asu.edu/grad>
LSC 284
SOLS@asu.edu
480-965-8927

Philosophy (History and Philosophy of Science), PHD (LAHPSPHD)

Online Degree Search Title: Philosophy (History and Philosophy of Science) PHD

Campus: TEMPE

Program Description: This concentration combines solid training in the core areas of philosophy with an emphasis on interdisciplinary studies of the sciences and:

- Conceptual structure.
- Epistemology.
- History.
- Impacts on society.

This degree program is especially appropriate for students with a background in philosophy or those who wish to pursue a degree in philosophy and who seek to broaden their disciplinary studies with a historical perspective.

Applicants will typically come from undergraduate programs that have included philosophical training or with a master's in philosophy. Science students are eligible, as well, and will make up the core courses during their first years. Application is through the Department of Philosophy. Nationally, there is great interest in science and in understanding the nature of science and the forces that change scientific research. The job market in philosophy is strong for philosophers of science (and especially in the life sciences) with some positions remaining unfilled even when the market is intensely competitive in other areas. In addition, the history and philosophy of science is becoming a strong disciplinary emphasis within growing professional societies. Some programs elsewhere focus primarily on philosophy or primarily on history, but those that bring the two together are regarded among the strongest in each area. The objective here is to provide a program for students who come to the history of philosophy and science from the humanities and who seek a career based in philosophical analysis of the sciences. The program has research strength competitive with any program internationally.

Degree Requirements: 84 credit hours, a Written Comprehensive Exam, an Oral Comprehensive Exam, a Prospectus and a Dissertation.

Graduate course work includes:

- History of science (3)
- Philosophy of science (3)
- Prospectus writing (3)
- Research methods in the history and philosophy of science (3)
- Dissertation (12)
- Topics in the history of science (3)
- Topics in the philosophy of science (3)

Additional courses required for the degree include:

- Advanced Logic or approved equivalent (3)
- Approved philosophy or other relevant courses (9)
- A course in history of philosophy (3)
- A course in value theory (3)
- HPS 615 Biology and Society Lab (3 hours, one credit each)
- Research or elective courses approved by dissertation chair (33)

Admission Requirements: All applicants must submit the Graduate College online application. Applicants must possess a bachelor's from a regionally accredited university or the equivalent and have attained a cumulative GPA in their last 60 credit hours of their bachelor's of at least 3.00 (4.00 scale).

Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Contact Information:

Liberal Arts & Sciences, College of
Historical, Philosophical & Religious Studies, Sch
<http://sols.asu.edu/grad>
LSC 226
SOLS@asu.edu
480-965-1768

Physics, MS (LAPHYSIMS)

Online Degree Search Title: Physics (MS)

Campus: TEMPE

Program Description: The M.S. in physics program provides graduate instruction and research experience appropriate to many physics-related careers. The structure of the program is flexible enough to allow a wide range of programs of study and a wide range of student backgrounds. It is also suitable for part-time study.

Completion of the program requires a minimum of two years, with students typically taking courses for the first three semesters and completing a research project in their final semester. The student defends a master's thesis at the end of the program.

Degree Requirements: 30 credit hours and a Thesis, or 30 credit hours and a Written Comprehensive Exam (MIP).

The M.S. in physics can emphasize either physics alone or physics in combination with other fields.

Admission Requirements: To be admitted to the M.S. in physics program without deficiencies, applicants should have adequate undergraduate preparation equivalent to an undergraduate major of 30 credit hours in physics and 20 credit hours in mathematics. Courses in analytic mechanics, electromagnetism and modern physics, including quantum mechanics, are particularly important.

Students applying for admission must submit:

- Submit applications online with accompanying materials as specified on the Graduate College website.
- Test scores for the verbal, quantitative and analytical sections of the GRE. Submission of scores for the physics GRE subject test is recommended, although not mandatory.
- A Test of English as a Foreign Language (TOEFL) or equivalent score for non-native English speakers will be required when applicable.

Financial support in the form of teaching or research assistantships is contingent upon:

- Satisfactory performance in course work.
- Timely completion of the final examination for the M.S. degree.
- Need and availability of such support.

Students on probation are offered financial support only under exceptional circumstances.

Contact Information:

Liberal Arts & Sciences, College of
Department of Physics
<http://physics.asu.edu/>
PSF 470
physics.grad@asu.edu
480-965-3561

Physics, PHD (LAPHYSIPHD)

Online Degree Search Title: Physics (PhD)

Campus: TEMPE

Program Description: The physics Ph.D. is intended for highly capable students having the interest and ability to follow a career in independent research. Graduates find positions in a variety of settings:

- Academic faculty.
- Administration.
- Government labs.
- Industrial labs.
- Management.

The recent advent of the graduate faculty initiative at ASU extends the spectrum of potential physics Ph.D. topics and advisors to include highly multidisciplinary Ph.D. projects that draw upon:

- Biochemistry.
- Biology.
- Chemistry.
- Electrical engineering.
- Materials science.
- Other related fields.

Consequently, students and doctoral advisors can craft novel doctoral projects that transcend the classical palette of physics subjects. Multidisciplinary expertise of this nature is increasingly vital to modern science and technology.

Current areas of particular emphasis within the department include:

- Biological physics.
- Cosmology.
- Electron diffraction and imaging.
- Nanoscale and materials physics.
- Particle physics and astrophysics.

The department has more than 100 doctoral students and more than 40 faculty members.

Degree Requirements: 84 credit hours, a Written Comprehensive Exam, an Oral Comprehensive Exam, a Prospectus and a Dissertation.

The physics Ph.D. program requires a student to:

- Complete 84 credit hours of course work.
- Pass a written and an oral comprehensive examination.
- Prepare and defend a Ph.D. dissertation.

Within the newly redesigned and modernized physics graduate curriculum, all Ph.D. students are required to take 18 credit hours of core physics courses, specifically:

First Semester

PHY 521 Classical and Continuum Mechanics (first semester)

PHY 541 Statistical Physics (first semester)

PHY 500 Research Rotation I (first semester)

Second Semester

PHY 531 Electrodynamics (second semester)

PHY 576 Quantum Theory (second semester)

PHY 500 Research Rotation II (second semester)

Course work beyond these core courses is established by the student's doctoral advisor and supervisory committee, working in partnership with the student. The intent is to tailor the doctoral training to the specific research interests and aptitudes of the student while ensuring that each graduating student emerges with the expertise, core knowledge and problem-solving skills that define a successful doctorate in physics.

Of particular note within the core courses are the PHY 500 Research Rotations, which are specifically designed to engage doctoral students in genuine, faculty-guided research starting in their very first semester at ASU.

Admission Requirements: Applicants to the Department of Physics Ph.D. program must hold at least a baccalaureate from a recognized institution and must have had adequate undergraduate preparation equivalent to an undergraduate major of 30 credit hours in physics and 20 credit hours in mathematics. Courses in analytic mechanics, electromagnetism and modern physics, including quantum mechanics, are particularly important.

Applicants must submit test scores for the verbal, quantitative, and analytical sections of the GRE. The subject GRE test scores should also be submitted; submission can be waived in extraordinary circumstances.

A Test of English as a Foreign Language (TOEFL) or equivalent score for non-native English speakers will be required when applicable.

Applications must be submitted online with accompanying materials as specified on the Graduate College website.

Applicants requesting credit for prior graduate courses, taken either at ASU or elsewhere, must demonstrate mastery of the relevant course material to the graduate level standards of the Department of Physics.

Financial support in the form of teaching or research assistantships is contingent upon:

- Satisfactory performance in course work.
- Timely completion of examinations (including the written and oral Ph.D. comprehensive examinations).
- The need and availability of such support.

Students on probation are offered support only under exceptional circumstances. The period for which a doctoral candidate may receive financial support through the Department of Physics does not normally exceed six years.

Contact Information:

Liberal Arts & Sciences, College of
Department of Physics
<http://physics.asu.edu/>
PSF 470
physics.grad@asu.edu
480-965-3561

Political Science, MA (LAPOLSCMA)

Online Degree Search Title: Political Science (MA)

Campus: TEMPE

Program Description: The M.A. in political science program provides advanced education for students preparing for teaching, research or applied careers in political science. It may be taken as a terminal program or as a step toward eventual fulfillment of the requirements for the Ph.D. Students who plan to obtain the Ph.D. at ASU should apply directly to the doctoral program.

Degree Requirements: 30 credit hours and a Portfolio, or 30 credit hours and a Thesis, or 30 credit hours and an Oral Comprehensive Exam (MIP).

- Additional hours must be taken in graduate-level courses and seminars each semester until course work is completed.
- All candidates must take POS 503 and the core courses in the student's major field.
- A maximum of six credit hours in approved courses may be taken outside the department.
- A minimum of 30 credit hours is required for the M.A. in political science.
- Six credit hours of reading and conference (POS 590) or independent study (POS 592) courses may count toward the 30-hour requirement.
- This program includes both a thesis and portfolio (non-thesis) option. If the thesis option is followed, the program must include a combination of three credit hours of research (POS 592) and three credit hours of thesis (POS 599) credit.

Admission Requirements: Applicants must submit the ASU Graduate College online application.

In order to be considered for admission for the fall semester (there are no spring admissions), all application materials must be submitted to and received by the appropriate office (both the Graduate College and the Political Science program) by February 1.

All required materials will be submitted through the Arizona State University Graduate College admission application. These include:

Letters of Recommendation:

We require three letters of recommendation from people capable of evaluating your political science expertise. Please provide the name and email addresses of your recommenders as directed on the Graduate admission application form

Personal Statement:

Please write a personal statement (1-3 pages) indicating what area of political science you want to study and why.

If applicable, please include any honors, scholarships, prizes, honorary societies, etc. that you have received or belong to.

Prepare your statement using a word processor that can store your file in a .doc, .rtf, or .txt format. Upload your file on the Graduate College Admission Application.

Writing Sample:

Please submit a writing sample (i.e., research paper) that best represents your thinking and writing skills in political science or a related subject.

Prepare your statement using a word processor that can store your file in a .doc, .rtf, or .txt format. Upload your file on the Graduate College Admission Application.

Political Science Courses:

To assist in evaluating your candidacy, please list the titles and related information for all your previous undergraduate and graduate courses/course work in political science and/or related fields.

Please complete the information in a table with the following column headings:

Crs Title | Undergrad Credit Hrs | Graduate Credit Hrs | Grade | Institution | Year

Save this file in a .doc, .rtf, or .txt format and upload it on the Graduate College Admission Application.

Test Scores:

GRE scores are required of all applicants. Please ensure that you 1) reported your GRE scores on the Application Form, and 2) have an official score report sent directly from ETS to the Division of Graduate Studies.

Photocopies are not acceptable.

Our institution code with ETS is 4007.

Undergraduate course work in political science is not a prerequisite for admission. However, M.A. students should have a basic understanding of elementary statistics and the undergraduate content of the political science fields of concentration that they wish to study. Students should allow sufficient time to acquire such a background.

Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Contact Information:

Liberal Arts & Sciences, College of
School of Politics and Global Studies
<http://pgs.clas.asu.edu/>

COOR 6801
spgs@asu.edu
480-965-6551

Political Science, PHD (LAPOLSCPHD)

Online Degree Search Title: Political Science (PhD)

Campus: TEMPE

Program Description: The Ph.D. program is intended to develop scholars who demonstrate a high level of excellence in teaching and research as professional political scientists. It is distinguished by a wide variety of areas of specialization, including:

- American politics.
- Comparative politics.
- International relations.
- Political theory.
- Public policy.

Degree Requirements: 84 credit hours, a Written Comprehensive Exam, an Oral Comprehensive Exam, a Prospectus and a Dissertation. The Ph.D. program in political science requires:

- Eighty-four credit hours including 12 hours of dissertation research.
- A formal oral defense of the dissertation.
- A maximum of 12 credit hours of approved course work outside the department but within ASU may count toward the 84 credit hours.
- A maximum of 30 credit hours from a post-graduate program elsewhere may be transferred in and counted toward the 84 credit hours.
- An oral comprehensive examination covering the dissertation prospectus.
- POS 503 and 603 (part of the 84 hours).
- The supervisory committee of three members, including the committee chair from the student's major field.
- A written comprehensive examination in the major and minor fields.

Admission Requirements: Applicants must submit the ASU Graduate College online application.

In order to be considered for admission for the fall semester (there are no spring admissions), all application materials must be submitted to and received by the appropriate office (both the Graduate College and the political science program) by Feb. 1.

All required materials will be submitted through the Arizona State University Graduate College admission application.

Letters of Recommendation:

We require three letters of recommendation from people capable of evaluating your political science expertise. Please provide the name and email addresses of your recommenders as directed on the Graduate admission application form.

Personal Statement:

Please write a personal statement (1-3 pages) indicating what area of political science you want to study and why.

If applicable, please include any honors, scholarships, prizes, honorary societies, etc. that you have received or belong to.

Prepare your statement using a word processor that can store your file in a .doc, .rtf, or .txt format.

Upload your file on the Graduate College Admission Application.

Writing Sample:

Please submit a writing sample (i.e. research paper) that best represents your thinking and writing skills in political science or a related subject.

Prepare your statement using a word processor that can store your file in a .doc, .rtf, or .txt format. Upload your file on the Graduate College admission application.

Political Science Courses:

To assist in evaluating your candidacy, please list the titles and related information for all your previous undergraduate and graduate courses/coursework in Political Science and/or related fields.

Please complete the information in a table with the following column headings:

Crs Title | Undergrad Credit Hrs | Graduate Credit Hrs | Grade | Institution | Year

Save this file in a .doc, .rtf, or .txt format and upload it on the Graduate College admission application.

Test Scores: GRE scores are required of all applicants. Please ensure that you 1) reported your GRE scores on the application form, and 2) have an official score report sent directly from ETS to the Division of Graduate Studies.

Photocopies are not acceptable.

Our institution code with ETS is 4007.

English Proficiency:

If your native language is other than English, you are required to provide proof of English proficiency to the Division of Graduate Studies. Please see http://graduate.asu.edu/admissions/international/english_proficiency (http://graduate.asu.edu/admissions/international/english_proficiency).

In addition to these documents the Graduate College requires an application fee, official transcripts, etc., Please see:

http://graduate.asu.edu/admissions/how_to_apply (http://graduate.asu.edu/admissions/how_to_apply) for more instructions.

For additional requirements for International students, please see: <http://graduate.asu.edu/admissions/international> (<http://graduate.asu.edu/admissions/international>).

Applicants for financial aid should also complete and submit the application form for graduate assistantships by Feb. 1. Ph.D. students should have a basic understanding of elementary statistics and the content of the areas of concentration that they wish to study. Students should allow for sufficient time to acquire such a background.

Contact Information:

Liberal Arts & Sciences, College of
School of Politics and Global Studies
<http://pgs.clas.asu.edu/>
COOR 6801
spgs@asu.edu
480-965-6551

Psychology, PHD (LAPSYCHPHD)

Online Degree Search Title: Psychology (PhD)

Campus: TEMPE

Program Description: The Department of Psychology offers doctoral programs designed to provide outstanding training in innovative research, methodology and the application of psychological principles to a wide variety of human conditions. The department is organized into six major areas of interest:

- Behavioral neuroscience.
- Clinical.
- Cognition, action and perception.
- Developmental.
- Quantitative.
- Social psychology.

Students pursue their graduate studies within one of these six areas, and each area determines the basic curriculum for their graduate program. There is, however, substantial opportunity to integrate courses of study across areas in the department.

Further, specialized emphases are available that integrate across programs in the university (e.g., integrating cognition, action and perception studies with arts, media and engineering; integrating psychology and law).

At the core of doctoral training in psychology is an emphasis on the development of skill in research and quantitative methods. Faculty in all six areas are actively engaged in major research programs. These theoretically grounded research programs address the breadth of psychological processes:

- Cognitive processes (e.g., attention, language, memory) as they occur within the context of perception and action, personality and issues of stigma and prejudice.
- Cultural influences on psychological processes.
- Evolution and behavior.
- Individual resilience.
- Lifespan developmental aspects of emotion and cognition.
- Neurobiological and psychosocial processes that underlie behavior and health (e.g., drug abuse, stress, heart disease).
- Prevention of child mental health problems.

A particularly unique strength of the department of psychology is the wealth of outstanding faculty whose specialization is quantitative methods. A breadth of courses and experiences in quantitative methods are available that are well integrated into the areas of research that characterize the department and offer students a rare opportunity to develop expertise in this critical domain.

Degree Requirements: 84 credit hours, a Written Comprehensive Exam, an Oral Comprehensive Exam, a Prospectus and a Dissertation.

In addition to a core curriculum, students take courses related to their area of interest as determined in consultation with their supervisory committees. All doctoral students complete 12 dissertation credit hours. Requirements vary across training areas.

Admission Requirements: Applicants must submit an online Graduate College application. The Graduate College online application, including all letters and supporting documents, must be received by Dec. 15 for applicants to the clinical program, Jan. 5 for applicants to the behavioral neuroscience, developmental, social psychology, cognition, action and perception programs and Dec 5 for applicants to the quantitative program.

- Scores on the GRE.
- A statement of purpose.
- Test of English as a Foreign Language (TOEFL) for international students.
- Three letters of reference.
- Transcripts.

In addition to the materials sent to the Graduate College, the applicant must send another set of materials to the Department of Psychology as follows:

- GRE scores (unofficial copies are acceptable).
- Original letters of recommendation from three references.
- Statement of purpose.
- Transcripts (unofficial copies are acceptable).

Send these directly to:

Coordinator of Graduate Admissions
 Psychology Department
 P.O. Box 871104
 Arizona State University
 Tempe, AZ 85287-1104

Contact Information:

Liberal Arts & Sciences, College of
 Department of Psychology
<http://psychology.clas.asu.edu/graduate>
 PSY 296
psygrad@asu.edu
 480-965-7606

Psychology (Quantitative Research Methods), PHD (LAPSYQUPHD)

Online Degree Search Title: Quantitative Research Methods (PhD)

Campus: TEMPE

Program Description: The quantitative concentration of the Ph.D. in psychology focuses on the broad class of quantitative and methodological issues that arise in the conduct of both basic and applied psychological research. There are seven core faculty members in the quantitative concentration, of whom five are also affiliated with a substantive area. This dual affiliation supports the training of students of quantitative methods against a backdrop of methodological issues associated with the development of the substance of psychological science. The quantitative concentration is committed to training the next generation of psychological methodologists who will make contributions in developing methods in the areas of measurement, design and analysis and evaluating the utility of new and existing methods for use in psychological research.

Degree Requirements: 84 credit hours, a Written Comprehensive Exam, an Oral Comprehensive Exam, a Prospectus and a Dissertation. The quantitative curriculum is structured into a series of progressively more advanced courses. New quantitative/methodological courses may be implemented under an omnibus number (PSY 591) at the interest of the faculty. The current requirements are as follows:

- PSY 530 Analysis of Variance
- PSY 531 Multiple Regression Analysis
- PSY 532 Analysis of Multivariate Data
- PSY 533 Structural Equation Modeling
- PSY 534 Psychometric Methods
- PSY 555 Experimental and Quasi-Experimental Designs
- PSY 591 Quantitative Seminar (annual)
- Four psychological methodology electives
- Six credits of substantive course work
- Six credits in additional substantive or methodological electives
- Six credits of PSY 599 (master's thesis)
- 12 credits of PSY 792 (post-master's research)
- 12 credits of PSY 799 (dissertation)

Admission Requirements: All applicants must submit the Graduate College online application. Students are admitted directly to the Ph.D. program, with the expectation that the student will progress through a master's to the doctorate. The Graduate College online application, including all letters and supporting documents, must be received by Dec. 5. Other required materials include:

- Application fee.
- Application form.
- An applicant response form.
- A brief statement of purpose (900 words or less).
- GRE scores.
- Official transcripts of all previous undergraduate and graduate study.
- Three letters of recommendation, preferably at least two from individuals within the academic community.

Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency. In addition to the materials sent to the Graduate College, the applicant must send another set of materials to the Department of Psychology as follows:

- GRE scores (unofficial copies are acceptable).
- Original letters of recommendation from three references.
- Statement of purpose.
- Transcripts (unofficial copies are acceptable).

Send these directly to
 Coordinator of Graduate Admissions
 Psychology Department
 Arizona State University
 P.O. Box 871104
 Tempe, AZ 85287-1104

Contact Information:

Liberal Arts & Sciences, College of
 Department of Psychology
<http://psychology.clas.asu.edu/graduate>
 PSY 296
 psygrad@asu.edu
 480-965-7606

Religious Studies, MA (LARELIGMA)

Online Degree Search Title: Religious Studies (MA)

Campus: TEMPE

Program Description: The M.A. in religious studies emphasizes the comparative study of religions. The program seeks to understand the phenomena of religion across a wide spectrum of cultural contexts and historical periods. Reflecting the different interests and areas of expertise of the faculty, the curriculum incorporates a variety of approaches to the subject:

- Cultural.
- Historical.
- Literary.
- Sociological.
- Theological.

Primary areas of emphasis include:

- Christianity.
- Buddhism.
- Hinduism.
- Islam.
- Judaism.
- Modern Western Religious Thought.
- Religion in the Americas (African-American, Latin American, Native American and North American religions).
- Religions in Asia.

Comparative themes and current theories are central to the curriculum. These include but are not restricted to:

- Ethnography and anthropology of religion.
- Nationalism and ethnicity.
- Popular religion.
- Post-coloniality.
- Religion and gender.
- Religion, secularism(s), and modernity.
- Religious conflict and peace studies.
- Ritual studies.
- Trans-border studies.

Although students often concentrate upon a single religious tradition for their thesis work, the program seeks to provide a broadly comparative understanding of religions, not simply a specialist's training in a single tradition.

Degree Requirements: 30 credit hours including the required course (REL 593), an Applied Project and a Foreign Language Exam, or 30 credit hours including the required course (REL 593), an Applied Project and a Foreign Language Exam (MIP), or 30 credit hours, a Thesis and a Foreign Language Exam, or 30 credit hours, a Thesis and a Foreign Language Exam (MIP).

Thesis Option

This option is recommended for students intending to seek admission to a doctoral program upon completion of the M.A. or planning to teach in the discipline at community colleges. For the thesis option, the student must satisfy the following requirements:

- An oral defense of the thesis.
- Reading knowledge of all languages relevant to the proposed thesis topic.
- A thesis that earns six credit hours of 599 thesis credit.
- Twenty-four hours of course work, including six hours in methods and theory (REL 501 and 502), six hours of graduate seminar (REL 591), offered each semester on varying topics within the academic study of religion and three hours of research (REL 592) to prepare the thesis proposal.

Portfolio Option

This option is recommended for students intending to augment their primary area of expertise and professional training in fields such as:

- Counseling.
- Journalism.
- Law.
- The ministry.
- Social work.
- Teaching K-12.

For the portfolio option, the student must satisfy the following requirements:

- An oral defense of the portfolio.
- A portfolio consisting of three publishable papers: one on theory and method, one on the student's minor area of study, and one on the major area of study.
- Reading knowledge of a foreign language relevant to the proposed area of concentration.
- Thirty hours of course work, including six hours in methods and theory (REL 501, 502), six hours of graduate seminar (REL 591), four courses in a major area of concentration and two courses in a minor area.

Admission Requirements: Applicants must submit an online Graduate College application. To be eligible for admission to the graduate program in religious studies, an applicant must submit the following:

- Email addresses of three academic references. Referees will be contacted by the Graduate College to complete a reference questionnaire.
- Evidence of having completed the equivalent of 15 hours of undergraduate work in the study of religions, including advanced courses in both Western and Asian or other non-Western religions. Students without the necessary background in religious studies may remove deficiencies by taking additional specified courses (which may not count toward the fulfillment of degree requirements) at the beginning of their program of study.
- A statement of purpose of approximately 1,000 words outlining the academic background, career goals and specific area of interest in religious studies in relation to fields offered by the faculty, to be sent to the graduate coordinator of the department.
- Test scores from the GRE.
- A writing sample.

Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency. Complete applications are due by Jan. 1.

Contact Information:

Liberal Arts & Sciences, College of
Historical, Philosophical & Religious Studies, Sch
http://shprs.clas.asu.edu/masters_rel
COOR 3312
Religious.Studies@asu.edu
480-965-5778

Religious Studies, PHD (LARELIGPHD)

Online Degree Search Title: Religious Studies (PhD)

Campus: TEMPE

Program Description: The academic study of religion is a central component of the humanities and has become increasingly recognized as a critical tool in understanding society and politics in a globalized world. The Ph.D. program has two main goals:

- To provide supplementary training for graduate students in a range of related programs (including history, anthropology, political science, journalism, secondary education and justice studies) who would benefit from greater expertise regarding the nature and role of religion around the world.
- To train graduate students for careers as scholars and teachers in the academic study of religion.

Doctoral tracks in the study of religion approach the study in a variety of contexts. Specifically offered are tracks in:

- Islam in Global Contexts.
- Religion in the Americas.
- Religion in Asia.
- Anthropology of Religion.
- Global Christianity.

Degree Requirements: 84 credit hours, a Foreign Language Exam(s), a Written Comprehensive Exam, an Oral Comprehensive Exam, a Prospectus and a Dissertation.

Course Work

The plan of study must contain a minimum of 84 credit hours, including 12 hours of dissertation. Courses and research hours are approved by the student's supervisory committee.

Admission Requirements: All applicants must submit an online Graduate College application. In addition to the general requirements for admission to the Graduate College, applicants must also submit:

- Email addresses of three academic references. Referees will be contacted by the Graduate College to complete a reference questionnaire.
- GRE scores.
- A statement of purpose of approximately 1,000 words.
- Test of English as a Foreign Language (TOEFL) for international non-native English speakers.
- A writing sample.

The application deadline is Jan. 1.

Contact Information:

Liberal Arts & Sciences, College of
Historical, Philosophical & Religious Studies, Sch
http://shprs.clas.asu.edu/doctorate_rel
COOR 3312
gradrs@asu.edu
480-965-5778

Renaissance Studies (certificate), CERT (LARENAISCE)

Online Degree Search Title: Renaissance Studies (Grad Certificate)

Campus: TEMPE

Program Description: The certificate program prepares students for advanced study or for academic positions by augmenting their skills and knowledge, thereby making them better equipped to meet the demands of their fields.

Degree Requirements: 18 credit hours and a Thesis (MA Certificate), or 27 credit hours, a Prospectus and a Dissertation (PhD Certificate).

Medieval/Renaissance Latin:

One semester (three to four credit hours) for M.A. students, two semesters (six to eight credit hours) for Ph.D. students, with proficiency attested either by achieving a grade of "B" (3.00) or better in the medieval Latin course(s) or by satisfactory performance on the Medieval/Renaissance Latin examinations offered by the Centre for Medieval Studies, University of Toronto. This requirement presupposes two years or 12 to 16 credit hours or equivalent of undergraduate training in Latin.

Early modern language at the upper division level:

Two semesters (six credit hours) for M.A. students; three semesters (nine credit hours) for Ph.D. students. Literature or linguistics classes may apply.

Paleography: One semester (three credit hours).

Course work outside the major discipline: Two semesters (six credit hours): for M.A. students, three semesters (nine credit hours) for Ph.D. students.

Thesis or dissertation:

In the area of Renaissance studies (three to six credit hours): for students not concentrating in the area for their degree. Students in the area fulfill the thesis requirement by writing a thesis or dissertation in the field.

Admission Requirements: All applicants to graduate certificate programs must submit the Graduate College online application. Graduate students admitted to a degree program in any field may earn one of two master's- or doctorate-level certificates: the certificate in medieval studies or the certificate in Renaissance studies.

Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Contact Information:

Liberal Arts & Sciences, College of
Historical, Philosophical & Religious Studies, Sch
<http://acmrs.org/academic-programs/certificate>
COOR 4432
acmrs@asu.edu
480-965-8097

Scholarly Publishing (certificate), CERT (LASCHPUBCE)

Online Degree Search Title: Scholarly Publishing (Grad Certificate)

Campus: TEMPE

Program Description: The scholarly publishing certificate program offers training in publishing studies to graduate students in any discipline. The program prepares students to enter scholarly publishing at university presses, in higher education, at textbook and reference publishers or to engage in publishing activities encountered as academic professionals, such as journal publishing, book publishing or documentary editing.

Degree Requirements: 23 credit hours.

Course work includes four required core courses and electives from a variety of disciplines. The certificate requirement includes a summer internship. Some courses may be applied to both the certificate and the student's degree program.

Admission Requirements: Applicants must submit an online Graduate College application.

Graduate students in any discipline may pursue a certificate in scholarly publishing in conjunction with their degree programs. The program is also open to students who already hold graduate degrees. Applicants are required to submit a Graduate College online application solely for the Scholarly Publishing program, regardless of any applications to other programs. Please submit the following materials:

- A resume or curriculum vitae. Upload it into the online application.
- A letter of intent. Should be addressed to the history review committee explaining your scholarly background and training, your career goals and why you want to pursue graduate study at ASU (about 500 words in length).
- Three reference letters. Students should contact their references and inform them that they will be contacted by the Graduate College and asked to submit an electronic recommendation. Students are required to submit a minimum of three email addresses from faculty or others qualified to speak to the student's suitability for graduate study in scholarly publishing.
- Transcripts. Should be mailed to the Graduate College at the following address. (It is not necessary to mail transcripts to the history program).
Arizona State University, Graduate College, PO Box 871003, Tempe, AZ 85287-1003.
- A writing sample. Submit a sample of your written work electronically. The writing sample may be an article (published or unpublished), a research paper, or any other extended example of your expository skill no longer than 35 double-spaced pages in length. Longer writing samples should not be submitted without first consulting the Graduate Director. Documents should not be password protected. Acceptable file types are .rtf, .pdf, and .doc.

The application deadline is Jan. 1 for enrollment in August. Applications will also be reviewed after the deadline if space remains in the class. Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency. For U.S. Department of Education Gainful Employment Program Disclosure information, see http://catalog.asu.edu/files/shared/GE_Disclosure_LASCHPUBCE.pdf (http://catalog.asu.edu/files/shared/GE_Disclosure_LASCHPUBCE.pdf).

Contact Information:

Liberal Arts & Sciences, College of
Historical, Philosophical & Religious Studies, Sch
<http://shprs.clas.asu.edu/scholarlypublishing>
COOR 3312
scholarly.publishing@asu.edu
480-965-5778

Science and Technology Policy, PSM (LAHSDPSM)

Online Degree Search Title: Science and Technology Policy (PSM)

Campus: TEMPE

Program Description: The ASU professional science master's in science and technology policy provides professional education for students seeking advanced public, nonprofit or private sector careers in science and technology policy and related fields in the United States or abroad. Students will learn essential skills, knowledge and methods for analyzing innovation, expertise and large-scale technological systems. Particular emphasis is placed on the political and societal contexts and impacts of science and technology. The program is a one-year cohort-based program designed to attract students of the highest caliber in their early to mid-careers.

Students will acquire the following knowledge and skills:

- Analysis of knowledge systems supporting policy decisions.

- Analysis of scientific and technological innovation systems.
- Analysis of the social and policy dimensions and implications of large-scale technological systems.
- Skills in collaborative, team-based analysis of science and technology policy problems.
- Skills in effective professional communication.
- Understanding of the theoretical foundations of the interactions among science, technology and society.
- Understanding of U.S. and, where appropriate to a student's career interests, international science and technology policies and the policy processes that generate them.

Degree Requirements: 30 credit hours including the required course (HSD 593) and an Applied Project.

- Six credit hours of required core courses.
HSD 501 Science and Technology Policy (3)
HSD 502 Advanced Science and Technology Policy (3)
- Six credit hours of restricted electives from a list provided by the program chair.
- Six credit hours of applied policy analysis courses.
HSD 505 Science and Technology Policy Workshop in Washington, DC (3)
HSD 593 Applied Project in Science and Technology Policy (3)
- Three credit hours of internship.
HSD 584 Internship in Science and Technology Policy (3)
- Nine credit hours of electives.

Admission Requirements:

- Applicants must submit an online Graduate College application.
- Students are required to hold a minimum of a bachelor's (or equivalent) or a graduate degree from a regionally accredited College or University or of recognized standing.
- Students are strongly encouraged to have prior relevant education, training or experience in science and technology policy; management of science, technology or innovation; or science, technology and society.
- Students may enroll only in the fall semester of each year.
- Students must hold a minimum of a 3.00 cumulative GPA (scale is 4.0=A) in the last 60 hours of a student's first bachelor's program.
- The GRE is required for admissions.
- Three letters of recommendation are required, along with a resume and personal statement.

Applicants whose native language is not English (regardless of where they now reside) must provide proof of English proficiency.

Contact Information:

Liberal Arts & Sciences, College of
Dean, College of Liberal Arts and Sciences
<http://sciencepolicy.asu.edu>
INTDSB 366
sciencepolicy@asu.edu
480-727-9498

Social Transformation Certificate, CERT (LASOTGRCT)

Online Degree Search Title: Social Transformation (Certificate)

Campus: DTPHX, POLY, TEMPE, WEST

Program Description: This certificate is designed for graduate and post-bachelorette students interested in how change is catalyzed by social movements, protest, law, social entrepreneurship, activism and community organizing. Through the exploration of theories and research related to social change, students are able to augment their disciplinary degrees and be prepared to contribute as leaders and change makers in their communities.

Degree Requirements: 15 credit hours and a Practicum.

The electives taken will be selected with the faculty advisor. The faculty advisor will directionalize the electives to ensure that they focus on a common theme. That will help to ensure students' experiences in the courses align with the learning goals outlined for the certificate. The culminating experience will be a community-based practicum experience and a paper that synthesizes the student's interests with their implications for social transformation. The practicum placement will be with a local nonprofit or governmental organization working toward social innovation and social change. Students will be assisted in identifying a practicum placement by the SST advisor. At the end of the practicum, students will produce a paper which will analyze the social and political dimensions of some issue within (or aspect of) social transformation. The paper should also identify the implications of this aspect/issue for social policy and social justice. The paper should begin within the context of the

practicum experience and will be presented to the designated subset of the certificate executive board for final approval. Students will take three credits of SST 580: Practicum to complete the practicum and then revise, improve and finalize the paper with a certificate faculty member.

Admission Requirements: To be considered for admission, students should submit the following documents to the School of Social Transformation program office:

- A statement of purpose for pursuing the certificate no longer than 250 words. The statement should indicate any demonstrated interest in the study of social transformation e.g., previous course work, professional experience, internships, career plans.
- Students who are not regularly admitted to an ASU graduate program must submit an official transcript showing the completion of a bachelor's degree in any academic field. These students should have maintained at least a 3.00 GPA or equivalent during their junior-seniors years of work on the bachelor's degree.

Admission Decision Process

Applicants must meet the above criteria as judged by the SST graduate committee to have strong academic credentials (undergraduate and/or graduate GPA) as well as demonstrated interest in the area of social transformation. The committee will review applications for the certificate program in the fall and spring semesters of each year and make recommendations for admission to the Graduate College.

Contact Information:

Liberal Arts & Sciences, College of
School of Social Transformation
http://sst.asu.edu/social_transformation_grad
WILSN 125
dschugur@asu.edu
480-965-7682

Socio-Economic Justice (certificate), CERT (LAECJUGRCT)

Online Degree Search Title: Socio-Economic Justice (Grad Certificate)

Campus: TEMPE

Program Description: The graduate certificate in socio-economic justice addresses the social and political implications of global and local economies for economic inequality and social justice. This transdisciplinary program fuses interests in political economy, socio-economic inequality and analysis of related policies and their consequences for social welfare in areas of income, housing, employment and education. This certificate complements the current graduate curriculum at ASU and is structured to allow students to draw upon a combination of core courses in justice and social inquiry and course work from units from across the ASU campuses. Our approach is transdisciplinary (i.e., inclusive of courses in a variety of disciplines but transcending disciplinary boundaries through an integrative core curriculum), intersectional (i.e., considering gender, race, class, nation and sexual relations) and transnational (courses that examine global and local concerns). It will strengthen student understanding of the justice implications of the convergence of social and economic inequalities in the global economy.

Degree Requirements: 16 credit hours.

This includes two core (required) courses, three elective courses and a one-credit hour culminating experience that includes a research paper.

Required Certificate Core Courses

1. Economic Justice. (3)

Students must select one of the following courses:

JUS 550 Gender, Race and Economic Justice

JUS 660 Globalization and Socio-Economic Justice

2. Conducting Research in Communities. (3)

Students must select one of the following courses:

JHR 525 Action Research

JUS 633 Community Research

3. Elective Courses. (9)

Students must select three electives on socio-economic justice from among the following courses:

ASB 591 Environmental Justice and the City

ASB/POL 447 Citizenship, Nationalism and Identity*

JHR 510 Problem-Based Seminar: Oaxaca; Migration, Gender and Human Rights

JHS 511 Community-Embedded Seminar: Contemporary Slavery and Trafficking

JHR 525 Action Research

JUS 405 Economic Justice*

JUS 415 Gender and International Development*

JUS 494 Advanced Topics in Global Justice*

JUS 550 Gender, Race and Economic Justice
JUS 555 Migration, Immigration and Justice
JUS 591 Family Work and Justice
JUS 591 Globalization and Livable Cities
JUS 591/691 Difference, Citizenship and Globalization
JUS 591/691 Governance, Citizenship and Justice
JUS 660 Globalization and Socio-Economic Justice
JUS 633 Community Research
POS 598 North-South Relations
POS 598 Urban Politics and Policy

SOS 514 Human Dimensions of Sustainability
SWG 531 Social Policy and Services
SWG 533 Diversity and Oppression
SWG 591 Border Family and Community Asset Building Policies
WST 598 Gender and Globalization in Latin America

*Note: Only one 400-level courses listed above is allowed.

Must have prior approval from the director of the certificate in economic justice program for any 400-level course.

4. Culminating Experience. (1)

This capstone writing/research paper synthesizes the student's disciplinary interests with their implications for socio-economic justice. Students register for JUS 590 Readings and Conference.

Admission Requirements: All applicants must submit the Graduate College online application.

Graduate students who are regularly admitted to a graduate degree program at ASU or students who have completed a bachelor's at a regionally accredited U.S. institution or equivalent are welcome to apply for the socio-economic justice graduate certificate program. To be considered for admission, students should submit the following documents to the justice and social inquiry program office:

- Applicants must meet the Graduate College criteria for admission to a graduate certificate program at ASU.
- At least one letter of recommendation.
- A statement of purpose for pursuing the certificate.
- A writing sample demonstrating excellent writing and analytical skills.
- Students who are already enrolled in an ASU graduate program must submit an unofficial copy of their graduate transcripts and be in good standing with the ASU Graduate College; students who are not regularly admitted to an ASU graduate program must submit an official transcript showing the completion of a bachelor's in any academic field with a junior/senior GPA of at least 3.00 or equivalent.

Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Contact Information:

Liberal Arts & Sciences, College of
School of Social Transformation
<http://justice.clas.asu.edu/graduate>
WILSN 122
graduate.justice@asu.edu
480-965-6008

Sociology, MA (LASOCMA)

Online Degree Search Title: Sociology (MA)

Campus: TEMPE

Program Description: This degree program provides advanced training for those preparing for teaching, research or applied careers in sociology and may be taken either as a terminal program or as a step toward eventual fulfillment of requirements for the Ph.D.

Degree Requirements: 32 credit hours and a Master's Research Paper (MIP), or 32 credit hours and a Thesis.

The M.A. in sociology program includes:

1. A 10-credit-hour core curriculum.

- One credit hour of sociology as a profession (SOC 503).
- Six credit hours of research methods and statistics (SOC 500 and 505).
- Three credit hours of theory (SOC 585).

2. Six credit hours earned through a thesis (SOC 599).

3. The balance taken from substantive courses.

Admission Requirements: All applicants must submit a Graduate College online application.

Admission to the program is determined by the following criteria:

- A current resume or curriculum vitae.
- A personal statement detailing professional goals and research experiences.
- A writing sample.
- GRE scores (verbal, quantitative and writing).
- Three letters of appraisal from persons familiar with the applicant's academic background.
- Valid transcripts of the student's academic record.

The application deadline is Jan. 15.

Contact Information:

Liberal Arts & Sciences, College of
School of Social and Family Dynamics
<http://ssfd.clas.asu.edu/sociology>
SS 144
email@ssfd.info
480-965-6978

Sociology, PHD (LASOCPHD)

Online Degree Search Title: Sociology (PhD)

Campus: TEMPE

Program Description: This degree provides advanced training in theory, research methodology and substantive fields to prepare sociologists for teaching and research with special emphasis on family, medical sociology and demography.

Degree Requirements: 84 credit hours, a Written Comprehensive Exam, a Prospectus and a Dissertation.
Thirty credit hours from a previously awarded master's degree can be applied to the 84-credit-hour requirement.
The Ph.D. requires 54 credit hours beyond the master's degree:

- Three credit hours each of theory, methods and statistics.
- 12 dissertation credit hours.
- The remaining credit hours are research credits and substantive courses which reflect the student's specialization.

First-year Ph.D. students are required to take SOC 503 Sociology as a Profession. A minimum of 30 credit hours of the approved Ph.D. program, exclusive of dissertation and research hours, must be completed after admission to the Ph.D. program.

Admission Requirements: Applicants must submit the online Graduate College application. Admission to the program is determined by the following criteria:

- A current resume or curriculum vitae.
- A personal statement detailing professional goals and research experiences.
- A writing sample.
- Applicants should have an M.A. or its equivalent in sociology or a related field. The option is available for a few outstanding undergraduates to apply directly to the Ph.D. program. These students must obtain an M.A.-in-passing.
- GRE scores (verbal, quantitative and writing).
- Three letters of appraisal from persons familiar with the applicant's academic background.
- Valid transcripts of the applicant's academic record.

All applications are due Jan. 15.

Contact Information:

Liberal Arts & Sciences, College of
School of Social and Family Dynamics
<http://ssfd.clas.asu.edu/sociology>
SS 144
email@ssfd.info
480-965-6978

Spanish, MA (LASPANMA)

Online Degree Search Title: Spanish (MA)

Campus: TEMPE

Program Description: M.A. in Spanish programs combine Spanish, Spanish American and Mexican American literature, linguistics and culture. All programs have a research component: candidates for the M.A. in Spanish write a thesis.

The M.A. has two concentrations: literature and culture; and linguistics. It is possible to concentrate courses in one of two subconcentrations within the linguistics track: sociolinguistics and second language acquisition/applied linguistics. Students admitted to the M.A. program with a major in secondary education may elect Spanish as the subject matter field.

Degree Requirements: 30 credit hours, a Thesis and a Written Comprehensive Exam.

Students seeking an M.A. in Spanish should consult with the respective Graduate Representative.

Comprehensive Examination: All candidates are required to pass a comprehensive written examination designed to evaluate the candidate's knowledge in the area of specialization. A reading list is provided as a guide to preparation for this examination.

Thesis: All candidates must write a thesis.

Admission Requirements: Students interested in applying to this program must submit a Graduate College online application. Submit the following documentation to the academic unit:

- An academic writing sample. For example: an academic term paper, critical paper or research paper approximately 10-25 pages prepared in an upper division or graduate Spanish course.
- A personal statement - no more than two pages, summarizing past educational experiences and goals in pursuing a graduate degree (preferably in Spanish).
- A resume if interested in a Teaching Assistantship.
- Three letters of recommendation.*

*If a candidate is interested in obtaining a teaching assistant/associate position, the two letters of recommendation included with their application to the program should also address his/her competence in Spanish and his/her ability (potential or demonstrated) to conduct a university-level language course. If the authors of the academic letters are unfamiliar with a candidate's teaching ability, a separate letter addressing this issue from a more appropriate source should be included in the application package.

See <http://silc.clas.asu.edu/graduate/degrees/ma-spanish> (<http://silc.clas.asu.edu/graduate/degrees/ma-spanish>) for more information.

Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Contact Information:

Liberal Arts & Sciences, College of

School of International Letters and Cultures

<http://silc.asu.edu/graduate/>

LL 440

silc@asu.edu

480-965-6281

Spanish, PHD (LASPANPHD)

Online Degree Search Title: Spanish (PhD)

Campus: TEMPE

Program Description: The School of International Letters and Cultures offers a graduate program in Spanish leading to the Ph.D. in Spanish with concentrations in literature and culture studies.

Degree Requirements: 84 credit hours, two Foreign Language Exams, a Written Comprehensive Exam, an Oral Comprehensive Exam, a Prospectus and a Dissertation.

The Ph.D. in Spanish consists of:

- The candidate must present an acceptable dissertation based on original investigation. The dissertation must represent a significant contribution to knowledge and demonstrate the candidate's ability to do independent, scholarly research.
- Each candidate is expected to demonstrate a reading knowledge of two languages other than English and Spanish. The language requirements must be satisfied before the candidate is eligible to take the comprehensive examination.
- Eighty-four credit hours of graduate-level work.
- A final oral examination is required. This examination covers the subject matter of the dissertation and appropriate field.
- Twelve (and only 12) credit hours of dissertation (SPA 799).
- Thirty hours of credit for the M.A. in Spanish will count toward the 84 credit hours.
- A written and oral comprehensive examination, designed to ascertain the candidate's knowledge and orientation in the field of study and competency to proceed with the dissertation, is required at or near the end of course work.

Admission Requirements: All candidates for the Ph.D. in Spanish must submit the Graduate College online application and fulfill the general requirements of the Graduate College concerning admission.

Candidates for the doctorate in Spanish will be required to demonstrate a near-native oral proficiency in Spanish and to show that they have developed a high order of expository prose in English and Spanish by presenting a term paper or a chapter of the M.A. thesis.

The Spanish graduate program requires a 3.75 overall GPA (on a 4.00 scale).

Admission to the Spanish doctoral program requires the candidate to present an M.A. in Spanish or equivalent from an accredited institution.

The committee may request letters of recommendation regarding the applicant's command of Spanish and potential for doctoral work. A personal interview may also be appropriate.

It is recommended, but not required, that students applying for admission to the M.A. or Ph.D. program submit scores on the GRE; this is especially advisable for the applicants for Spanish Graduate Fellowship Award.

Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Contact Information:

Liberal Arts & Sciences, College of

School of International Letters and Cultures

<http://silc.clas.asu.edu/graduate/degrees/phd-spanish>

LL 440

silc@asu.edu

480-965-6281

Speech and Hearing Science, PHD (LAHEARPHD)

Online Degree Search Title: Speech and Hearing Science (PhD)

Campus: TEMPE

Program Description: The Ph.D. in speech and hearing science is designed to prepare scholars for careers of basic and applied research in educational, industrial or healthcare delivery environments. The student pursues a program with the unifying theme of human communication and its disorders.

Degree Requirements: 84 credit hours, a Written Comprehensive Exam, an Oral Comprehensive Exam, a Prospectus and a Dissertation.

After a core curriculum, which may include aspects of neuroscience, methodology or speech and hearing science, the student completes a program of study under the guidance of the program committee. As part of the Ph.D. program, a programmatic research experience prepares the student for basic or applied research leading to the dissertation.

Admission Requirements: Applicants typically have completed a master's or equivalent in speech and hearing science, psychology, linguistics or a related discipline. Applicants with a bachelor's, strong research interests and a strong academic record are also considered.

Applicants must submit the following evidence for admission review:

- GRE scores, including the writing score, taken within the last five years.
- Online application for admission to the Graduate College and official transcripts of undergraduate and graduate study.
- Professional references from three individuals who are familiar with the applicant's academic record.

Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Contact Information:

Liberal Arts & Sciences, College of

Department of Speech and Hearing Science

<http://shs.asu.edu/>

COOR 2211

shsgrad@asu.edu

480-965-2374

Statistics, MS (GCSTATMS)

Online Degree Search Title: Statistics (MS)

Campus: TEMPE

Program Description: The Committee on Statistics offers a program leading to the degree M.S. in statistics. The program is interdisciplinary in that it draws upon faculty research and teaching interests from various academic units so that programs of study can be tailored to reflect individual needs and goals. The committee, which sets program requirements and supervises programs of study, is composed of faculty from departments in the Ira A. Fulton Schools of Engineering, the College of Liberal Arts and Sciences, the W. P. Carey School of Business and the New College of Interdisciplinary Arts and Sciences.

The program for the M.S. in statistics provides preparation for either a research-oriented or a practice-oriented career. Requirements specific to this program ensure balanced attention to the theoretical and applied aspects of the discipline of statistics. The program prepares students for careers in business, education, industry and government. Graduates understand the theory that is fundamental to the proper use of statistics, are knowledgeable about the tools of applied statistics and are familiar with computer software packages available for doing statistical computations. In addition, students interested in research in statistics can obtain the background needed to begin a doctoral program. Flexibility in the program reflects the fact that statistical analysis is one of the most widely used tools of modern scientific reasoning.

Degree Requirements: 30 credit hours including the required course (STP 593 or IEE 593 or ECN 593), an Applied Project and an Oral Comprehensive Exam, or 30 credit hours, a Thesis and an Oral Comprehensive Exam, or 30 credit hours, a Thesis and an Oral Comprehensive Exam.

Completion of the degree requires 30 credit hours of approved credit, none of which may be from the prerequisites. The program must include the nine credit hours from three required theory courses:

STP 501 Probability

STP 502 Mathematical Statistics

STP 526 Theory of Statistical Linear Models

The required theory courses are fundamental to the education of statisticians and are necessary for more advanced graduate study. Two courses in applied linear statistical models are also required:

- Applied regression analysis (IEE 578, ECN 525 or STP 530).
- Applied analysis of variance/design of experiments (IEE 572, ECN 530 or STP 531).

The program must also include either three credit hours of applied project (IEE 593, ECN 593 or STP 593) or six credit hours of thesis (IEE 599, ECN 599 or STP 599). The applied project or thesis must be defended at an oral examination. The content of the applied project report or thesis must, in its final form, be suitable for submission to an academic journal or conference proceedings. The thesis must conform to Graduate College format requirements.

The remaining nine or 12 credit hours come from elective courses chosen by the student with the approval of supervising faculty. A maximum of six credit hours may be chosen from a related field on which statistics relies (such as computer science) or in which statistics is an essential tool (e.g., biostatistics, quality control). The elective courses allow the student to emphasize a particular area of statistical inference, culminating in an applied project report or a thesis on a topic in that area. No foreign language or written comprehensive examinations are required.

The student has considerable flexibility in selecting an area of specialty. Possible areas of specialty include, among others:

- Applied data analysis.
- Bayesian analysis.
- Biostatistics.
- Categorical data analysis.
- Data mining.
- Design of experiments.
- Industrial statistics.
- Linear models.
- Multivariate analysis.
- Sampling and survey research.
- Six sigma methodology.
- Smoothing methods.
- Statistical computing.
- Statistical process control.
- Time series analysis.

Admission Requirements: Applicants must submit:

- The Graduate College online application.
- Official transcripts.
- A statement of education and career goals.
- Three letters of recommendation.

Applicants should have completed the following courses (equivalents at ASU are given in parentheses):

- Advanced calculus (MAT 371).
- Calculus (MAT 270, 271 and 272).
- Computer programming (CSE 100).
- Introductory applied statistics (QBA 221 or STP 420).
- Linear algebra (MAT 342).

Applicants who lack any of these prerequisite courses must complete the prerequisites before being considered for admission. The submission of GRE scores is strongly encouraged, but not required. Although most applicants earn the bachelor's in a quantitative area (such as statistics, quantitative business analysis, mathematics, engineering or computer science), this is not required for admission to the program.

Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Contact Information:

Liberal Arts & Sciences, College of
School of Mathematical and Statistical Sciences
<http://graduate.asu.edu/statistics>
PSA 216
statistics@asu.edu
480-965-3951

Statistics, PHD (LASTPPHD)

Online Degree Search Title: Statistics (PHD)

Campus: TEMPE

Program Description: Statistics has been described as the science of learning from data. Statisticians are involved with both the collection and subsequent analysis and interpretation of data.

The Ph.D. program in statistics will train statisticians for positions locally and nationally in business, industry, government and academia. Graduates of the program will be able to not only use advanced statistical methods but also to develop new methods to meet the fast growing need for analysis of data arising in many areas.

The statistics Ph.D. program includes faculty from departments in the Ira A. Fulton Schools of Engineering, the College of Liberal Arts and Sciences, the W. P. Carey School of Business and the New College of Interdisciplinary Arts and Sciences. The interdisciplinary collaboration provides the opportunity for programs of study to be tailored to reflect individual needs and goals.

Degree Requirements: 84 credit hours, a Written Comprehensive Exam, a Prospectus and a Dissertation.

This program includes:

- Fifteen credit hours of core course work (mathematical statistics, probability, STP 526, STP 527, STP 530 or IEE 578, STP 531 or IEE 572).
- Forty-five credit hours of elective statistics or related area courses approved by the student's supervisory committee.
- Twelve credit hours of research (792).
- Twelve credit hours of dissertation (799).

Students must pass:

- A dissertation prospectus examination.
- One qualifier examination and course work in analysis. See the school Web site for examination information.
- A written comprehensive examination.

Each student must write a dissertation and defend it orally in front of five dissertation committee members. See the department website for examination information.

Admission Requirements: Applicants must submit:

- The Graduate College online application.
- The general GRE scores.
- Official transcripts.
- A statement of education and career goals.
- Three letters of recommendation.

Minimum background for consideration of admission to the Ph.D. program in statistics includes:

- A bachelor's in statistics, mathematics or a closely related area with a 3.00 GPA (4.00 scale).
- Applicants should have completed the following courses (equivalents at ASU are given in parentheses): calculus (MAT 270, 271 and 272), advanced calculus (MAT 371), linear algebra (MAT 342), computer programming (CSE 100), and introductory applied statistics (QBA 221 or STP 420).
- Applicants who lack any of these prerequisite courses must complete the prerequisites before being considered for admission.

Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Contact Information:

Liberal Arts & Sciences, College of
School of Mathematical and Statistical Sciences
<http://math.asu.edu/>
PSA 216
grad.math@asu.edu
480-965-3951

Statistics (certificate), CERT (GCSTATCE)

Online Degree Search Title: Statistics (Grad Certificate)

Campus: ONLNE, TEMPE

Program Description: The Committee on Statistics offers a program leading to the certificate in statistics. The program is interdisciplinary in that it draws upon faculty research and teaching interests from various academic units so that programs of study can be tailored to reflect individual needs and goals. The committee, which sets program requirements and supervises programs of study, is composed of faculty from departments in the Ira A. Fulton Schools of Engineering, the College of Liberal Arts and Sciences, the W. P. Carey School of Business and the New College of Interdisciplinary Arts and Sciences.

The certificate seeks to provide statistical training for graduate students at ASU and professionals in the metro Phoenix area. It is administered by the Committee on Statistics, which also administers the M.S. in statistics through the School of Mathematical and Statistical Sciences.

Degree Requirements: 15 credit hours.

To qualify for the certificate, a student must complete courses in applied regression analysis (IEE 578, ECN 525 or STP 530) and analysis of variance/experimental design (IEE 572, ECN 530 or STP 531). The remaining nine credits are taken from the set of courses approved by the committee on statistics. The certificate program requires no applied project. A maximum of nine hours from the approved list of certificate courses can be transferred to the M.S. in statistics. Students must have a GPA of at least 3.00 in the courses which apply to the certificate.

Certificate students interested in also receiving the Six Sigma Black Belt Certificate must complete the following courses:

- Applied regression analysis (IEE 578, ECN 525 or STP 530).
- IEE 572 Design of Experiments.
- IEE 570 Advanced Quality Control.
- IEE 581 Six Sigma Methodology.
- IEE 585 Six Sigma Capstone.

Admission Requirements: All applicants to the statistics certificate program must submit the Graduate College's online application. The applicant must have a bachelor's and should have completed the following courses (equivalents at ASU are given in parentheses):

- Introductory applied statistics (ECN 221, STP 226 or STP 420).
- One semester of calculus (MAT 210, 265 or 270).

The applicant is also required to have some computer literacy with knowledge of a programming language, a spreadsheet program or a statistical software program.

Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Contact Information:

Liberal Arts & Sciences, College of

School of Mathematical and Statistical Sciences

<http://math.asu.edu/degree-programs/statistics-certificate>

BYENG 315

Statistics_certificate@asu.edu

602-543-5637

Teaching English as a Second Language, MTE Speake (LAENGMTESL)

Online Degree Search Title: Teaching English to Speakers of Other Languages (MTESOL)

Campus: TEMPE

Program Description: The Department of English at Arizona State University offers a professional program leading to the Master of Teaching English to Speakers of Other Languages (MTESOL). This well-established, specialized degree program provides students with knowledge and skills necessary to teach English as a second language in various parts of the world (including the United States). The focus of the program is on theories and methods of language teaching and the aspects of linguistics that teachers need for effective classroom performance.

Degree Requirements: 30 credit hours including the required course (LIN 593), an Applied Project and a Foreign Language Exam.

Approved graduate course work must include:

- An internship is recommended if a student has no teaching experience.
- LIN 500 Research Methods. LIN 510 Linguistics.
- LIN 520 Second-Language Acquisition Theories.
- LIN 521 Methods of Teaching English to Speakers of Other Languages.
- A three-hour Applied Project (LIN 593).

Foreign Language Requirement: A foreign language is required and must be completed during the program.

Applied Project: A three-hour applied project (LIN 593), which is overseen by a director, chosen from the English department linguistics/TESOL faculty.

Admission Requirements: Applicants for the MTESOL may have undergraduate majors in fields such as, but not limited to:

- Anthropology.
- Applied linguistics.
- Cognitive science. Communication.
- Comparative languages and literatures.
- Education.
- English literature.
- History.
- Law.

The Graduate College requires a grade point average of "B" (3.00) or better in the last two years of work leading to the bachelor's and the recommendation of the department or the academic unit in which the student plans to study. International students must submit a TOEFL score of at least 250 computer-based, 100 Internet-based, or an IELTS score of 6.5 or above before admission is considered.

Applicants must submit the Graduate College's online application. The deadlines are Jan. 15 and April 15 for fall admission and Sept. 15 for spring admission. The following supporting documents are required:

- Official transcripts.
- Statement of purpose.
- Three letters of recommendation.
- TOEFL scores.

Contact Information:

Liberal Arts & Sciences, College of

Department of English

<http://english.clas.asu.edu/gradstudies-mtesol>

LL 543B

enggrad@asu.edu

480-965-3194

Transborder Studies, MAS (LATCLMAS)

Online Degree Search Title: Transborder Studies (MAS)

Campus: TEMPE

Program Description: The M.A.S. in transborder studies is designed for the post-baccalaureate professional who seeks training in an integrated program that also provides for differentiation to a limited extent via three thematic options. The course of study is designed to provide a cohesive and holistic program of learning that focuses on the complex economic, political, ecological, social and cultural issues of a co-evolving border region of the U.S. Southwest and Mexico. Students will be required to engage in an intensive internship process in which they will apply their learning. The program will also provide a choice to explore one of the following three areas more deeply:

- Transborder migration, health and applied social policy, which provides students with theoretical and applied frameworks for understanding border communities in the areas of migration, health, education, environment and other areas affecting social development
- Transborder media and expressive culture, which provides students with an interdisciplinary understanding of how representation, interpretation and language shape, and are shaped by, Chicana/o, Mexican and Latina/o culture in a transborder context.
- Transborder culture, language and learning, which focuses on the interrelated processes of cultural emergence, language development and learning as they interact with each other in conjunction with the development of mathematical and scientific reasoning skills, literacy skills and critical thinking in the transborder context.

Degree Requirements: 30 credit hours including the required course (TCL 608), a Written Comprehensive Exam, an Oral Comprehensive Exam and a Foreign Language Exam.

Required Courses

TCL 502 A Deep History of the United States/Mexico Borderlands II (3)

TCL 503 Epistemologies and Transborder Thought (3)

TCL 504 Tools for Transborder Research (3)

Select one of the following three:

TCL 505 Theories and Methods of Migration, Health and Applied Social Policy (3)

TCL 506 Theory and Methods of Transborder Media and Expressive Culture (3)

TCL 507 Theory and Methods of Transborder Cultural Acquisition, Language Development, and Learning (3)

TCL 601 Internship (3 semesters) (9)

TCL 608 Capstone Course: Transmitting Transborder Studies to Publics and Institutions (3)

TCL 691 Seminar (6)

Admission Requirements:

- Applicants must submit an online Graduate College application.
- Minimum of a bachelor's (or equivalent) or a graduate degree from a regionally accredited college or university. Bachelor's must be in the social sciences, humanities, sciences, health, education, business or professional field.
- Minimum of a 3.00 cumulative GPA (4.00=A) in the last 60 hours of a student's bachelor's degree program.
- GRE required.
- TOEFL required for applicants whose native language is not English, see http://graduate.asu.edu/admissions/international/english_proficiency (http://graduate.asu.edu/admissions/international/english_proficiency).

Contact Information:

Liberal Arts & Sciences, College of

School of Transborder Studies

<http://sts.asu.edu/>

INTDSB 165

sts.info@asu.edu

480-965-5091

Transportation Systems (certificate), CERT (GCTRANSCE)

Online Degree Search Title: Transportation Systems (Grad Certificate)

Campus: TEMPE

Program Description: Transportation has emerged as one of the highest priority issues for policy makers, employers and citizens. The transportation systems certificate program enhances the education of current and future transportation professionals to respond to this challenging environment. It builds upon existing programs in five disciplines, offered in five colleges and two campuses in the ASU system. The program approaches the subject from an integrated systems perspective. It exposes students to a range of transportation alternatives and the interrelationships among transportation, economic development, land use, energy and the environment.

The certificate program offers current ASU graduate students and transportation professionals the opportunity to pursue a wide range of transportation-related issues from a multimodal and interdisciplinary perspective. The certificate is intended to be either a specialization within an existing master's degree or a stand-alone, 15-credit-hour, nondegree program.

Degree Requirements: 15 Credit hours including a Capstone (PUP 593).

This graduate certificate requires:

- A capstone research paper that explores a transportation problem from a multidisciplinary perspective (three hours).
- A proseminar class (three hours).
- Three elective courses from an approved list of transportation-related courses (including at least one from a field outside the student's major).

Students are strongly encouraged to include, as one of the three elective courses, a course in methods or techniques applicable to transportation systems planning. In developing a capstone paper, students are encouraged to work with transportation professionals in their area of interest to identify a topic that is of interest to the broader public.

All decisions related to program offerings and departmental participation are made in cooperation with the transportation systems certificate admissions and advisory committee, which includes a member from each participating department.

Admission Requirements: Admission to the transportation certificate program is the same for both new students and current degree-seeking students.

Application requirements are as follows.

Applicants must:

- Complete the online application through the Graduate College.
- Submit responses to two essay questions:
 - What do you expect to gain from the transportation certificate?
 - What types of courses within the certificate would be the most helpful in meeting your objective?
- Provide a current resume.
- Provide official transcripts.
- Provide official Test of English as a Foreign Language (TOEFL) scores for international students. Information regarding English proficiency

requirements can be found on the Graduate College Web site.

Questions regarding transcript requirements need to be directed to the Graduate College.

Applicants who wish to seek a graduate degree in any of the cooperating departments and who are not currently enrolled in ASU must complete the full graduate school application process as specified by the department of interest, in addition to an online application for the transportation certificate. Please see department guidelines for admission to a degree program. Please be aware that admission to a degree program and the transportation certificate program are independent of each other. Applicants interested in applying for the transportation certificate in addition to a degree program must also complete an admission essay for the certificate program that is independent from an admission essay for a degree program.

Admission to the program will be determined by the transportation systems certificate admissions and advisory committee, consisting of representatives from each of the participating programs.

For U.S. Department of Education Gainful Employment Program Disclosure information, see

http://catalog.asu.edu/files/shared/GE_Disclosure_GCTRANSCE.pdf (http://catalog.asu.edu/files/shared/GE_Disclosure_GCTRANSCE.pdf).

Contact Information:

Liberal Arts & Sciences, College of

School of Geographical Sciences and Urban Planning

<http://geoplan.asu.edu/certificates>

COOR 5673

geoplan@asu.edu

480-965-7533

Urban and Environmental Planning, MU/EP (ARURBMUEP)

Online Degree Search Title: Urban & Environmental Planning (MUEP)

Campus: TEMPE

Program Description: The M.U.E.P. is accredited by the Planning Accreditation Board. It is an interdisciplinary, professional degree designed to prepare students for leadership roles in planning in the public and private sectors. The curriculum includes a common core of required courses which provide linkage between knowledge and practice and fundamental theories and skills.

As active scholars and teachers in an accredited planning program, our faculty has a wide range of interests and expertise, including:

- Desert cities.
- Disaster recovery planning.
- Housing.
- Infrastructure planning.
- International development.
- Land use and environmental planning.
- Planning history.
- Public participation.
- Regional development.

The faculty's research and teaching interests especially focus on the following broad interdisciplinary themes:

- Community Development for Social Equity (http://geoplan.asu.edu/muep_communitydevelopment)
- Spatial and Economic Analysis (http://geoplan.asu.edu/muep_spatialeconomic)
- Transportation Planning and Policy (http://geoplan.asu.edu/muep_transportation)
- Urban Design and Sustainable Cities (http://geoplan.asu.edu/muep_cities)

The MUEP program offers a unique opportunity to integrate urban and environmental aspects of planning in a rapidly developing metropolitan area. Individual practical experience in planning is provided through an optional internship program and applied research. In addition to the planning faculty, the program is enriched by the interdisciplinary participation of faculty from other academic units of the university and leading planning practitioners from the Phoenix area.

Degree Requirements: 47 credit hours and a Thesis, or 47 credit hours including a Capstone Course (PUP 580), or 47 credit hours including the required course (PUP 593) and an Applied Project.

The plan has the typical distribution as follows:

- Electives (9).
- Required core courses, including either the capstone studio, thesis or professional project (26).
- Specialization courses (12).

Students must complete the required core courses and select an area of specialization. Students must also select a capstone studio, a professional project or a thesis option. Successful completion of an approved statistics course, if not achieved by the student as an undergraduate, will be required as a deficiency.

Admission Requirements: To be considered for the program, the applicant must submit the Graduate College online application and fulfill all admission requirements of the Graduate College, in addition to meeting admission requirements of the School of Planning. The following materials are required by the School of Planning:

- An application to the Graduate College.
- GRE scores
- Official transcripts from all other colleges and universities attended.
- A statement of intent (maximum 600 words) explaining:
 - The applicant's academic and professional background and, if appropriate, preparation for the selected area of specialty (this may include written samples or a portfolio, but they are not required).
 - The applicant's educational objectives.
 - The applicant's interest in planning.
- Test of English as a Foreign Language (TOEFL) scores from international students whose native language is not English.
- Three letters of recommendation from references who are qualified to comment on the applicant's potential in the selected area of study.
- A current resume.

Contact Information:

Liberal Arts & Sciences, College of
School of Geographical Sciences and Urban Planning
<http://geoplan.asu.edu/muep>
COOR 5673
geoplan@asu.edu
480-965-7533

Urban Planning, PHD (ARPUPPHD)

Online Degree Search Title: Urban Planning (PhD)

Campus: TEMPE

Program Description: The Ph.D. in urban planning at the School of Geographical Sciences and Urban Planning (SGSUP) will educate scholars for positions in leading universities, research institutions, nongovernmental organizations (NGOs), international multilateral institutions, national, state and local governments, and high-level consulting firms. The program will provide a strong foundation for undertaking research in planning, urbanism, urban design, and urban sustainability.

While topics and methods will be wide-ranging, and will include spatial, theoretical, and urban design inquiry, the focus of the Ph.D. in urban planning will be on the built environment its problems and potential solutions, that improve the quality of life of urban residents.

Degree Requirements: 84 credit hours, a Written Comprehensive Exam, an Oral Comprehensive Exam, a Prospectus and a Dissertation.
6 credit hours of required core courses

At least 34 credit hours of program electives and research

2 semesters of PUP 701 for a total of 2 hours

12 credit hours of PUP 799 Dissertation

Admission Requirements: Minimum of a master's degree (or equivalent) or a graduate degree from a regionally accredited college or university of recognized standing in a related field such as: Urban studies, geography, environmental studies, sustainability, architecture, public policy, public administration.

Minimum of a 3.00 cumulative GPA (scale is 4.00=A) in the last 60 credit hours of a student's bachelor's degree program. A minimum GPA of 3.00 is required in the master's work for acceptance into the Ph.D. program.

GRE required.

TOEFL required for applicants whose native language is not English. Please visit

http://graduate.asu.edu/admissions/international/english_proficiency (http://graduate.asu.edu/admissions/international/english_proficiency) for more information.

Contact Information:

Liberal Arts & Sciences, College of
School of Geographical Sciences and Urban Planning
<http://geoplan.asu.edu/>
COOR

Nursing & Health Innovation, College of

Adv Nursing Practice (Women's Health NP), DNP (NUANPWHDNP)

Online Degree Search Title: Women's Health Nurse Practitioner (DNP)

Campus: DTPHX

Program Description: Designed for nurses seeking to become advanced-practice nurses as women's health nurse practitioners. Graduate courses in application of theory to advanced practice; application of evidence to advanced practice; advanced pathophysiology; advanced health assessment; and advanced practice nursing role provide a foundation for this specialty. The D.N.P. program is designed to be accessible to students living or working at a distance, with course work delivered in a hybrid online format, in which students attend on-campus sessions two to three times each semester.

Women's health care theory and clinical courses include theories, principles and clinical skills in the care of women and their families. Courses focus on critical thinking, diagnosis, problem-solving and nursing management of women throughout the maternity cycle and with common gynecological problems. Client education, communication and collaboration are emphasized.

Degree Requirements: 84 credit hours including the required course (DNP 707) and an Applied Project.

Completion of an evidence-based doctoral applied project focused on a clinical issue relevant to advanced practice nursing is required.

The American Nurses Credentialing Center (ANCC) has recommended a minimum of 1,000 post-baccalaureate practicum hours for all students completing a D.N.P. This program includes 1,170 practicum hours, exceeding the ANCC requirement.

Admission Requirements: Applicants must submit the Graduate College online application. Admission to graduate status in the College of Nursing and Health Innovation is based upon meeting the following requirements:

- Completion of a bachelor's in nursing from a nationally recognized, regionally accredited academic institution.
- An undergraduate junior/senior GPA equal to 3.00, or a cumulative GPA equal to 3.00 (4.00=A) or higher for any baccalaureate or graduate degree attained.
- A current unencumbered license in the state where clinical practice will be conducted and/or an unencumbered Arizona license to practice as a registered nurse to enroll in nursing practicum courses.
- Satisfactory completion of the analytical writing section of the GRE.
- Three online recommendations from individuals knowledgeable about the applicant's academic and nursing leadership potential and one self-evaluation submitted by the applicant.
- An interview with a representative of the specialty area.
- Completion of the English language proficiency test per graduate college requirement and all requirements for the Commission on Graduates of Foreign Nursing Schools (CGFNS), if considered an international student.

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Advanced Nursing Practice, DNP (NUANPDNP)

Online Degree Search Title: Advanced Nursing Practice - DNP

Campus: DTPHX

Program Description: The D.N.P. program is designed for master's prepared, advanced practice nurses. Courses are designed for clinical experts and are innovative, interesting and organized to provide students with expert colleagues and mentors across the U.S. who can challenge them to take their practice to a new level.

Degree Requirements: 84 credit hours including the required course (DNP 707) and an Applied Project.

Post-master's applicants should identify a relevant clinical issue(s) related to advanced practice nursing that they would like to pursue during their doctorate program. Students will complete 540 hours of clinical practice residency and the program courses. Completion of an evidence-based doctoral applied project is required. Each project will be developed individually with each student. Each student will have a primary mentor working with them on the project. Clinical practice residency hours will be used to complete the project in a practice setting; work settings may be included, but specific objectives will be developed individually with each student, that may be different from the student's job. Focused clinical experiences are arranged with appropriate preceptors and administrators. Every attempt will be made to arrange this in the student's geographical area. In the

event that clinical sites are unavailable in that area or if the faculty determine the student needs additional faculty supervision of skills, the student will be required to complete the clinical experience in the Phoenix area. Rural health and experiences with disadvantaged and multicultural populations are encouraged, and sites are available for these experiences.

Admission Requirements: Applicants must submit the Graduate College online application. Admission to graduate status in the College of Nursing and Health Innovation is based upon meeting the following requirements:

- Completion of a master of science in nursing from a nationally recognized, regionally accredited academic institution.
- An undergraduate junior/senior GPA equal to 3.00, or a cumulative GPA equal to 3.00 (4.00=A) or higher for any baccalaureate or graduate degree attained.
- A current unencumbered license in the state where clinical practice will be conducted and/or an unencumbered Arizona license to practice as a registered nurse, and current certification as an advanced practice nurse.
- Three online recommendations from individuals knowledgeable about the applicant's academic and nursing leadership potential and one self-evaluation submitted by the applicant.
- An interview with a representative of the specialty area.
- Completion of the English language proficiency test per Graduate College requirement and all requirements for the Commission on Graduates of Foreign Nursing Schools (CGFNS), if considered an international student.

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Advanced Nursing Practice (Adult Nurse Practitioner), DNP (NUANPADDNP)

Online Degree Search Title: Adult Nurse Practitioner (DNP)

Campus: DTPHX

Program Description: The faculty in the College of Nursing and Health Innovation offer a graduate program leading to the D.N.P. with a concentration in advanced practice nursing of adults. Designed for nurses seeking to become advanced-practice nurses as adult nurse practitioners. Graduate courses in application of theory to advanced practice; application of evidence to advanced practice; advanced pathophysiology; advanced health assessment; and advanced practice nursing role provide a foundation for this specialty. The program is designed to be accessible to students living or working at a distance, with course work delivered in a hybrid online format, in which students attend on-campus sessions two to three times each semester.

Graduates in the adult health concentration are prepared to provide primary care to adults who are in various states of health in a variety of settings. Health promotion and illness prevention are among the essential threads integrated throughout the program of study. Focused clinical experiences are arranged with appropriate preceptors and administrators. Every attempt will be made to arrange this in the student's geographical area. In the event that clinical sites are unavailable in that area or if the faculty determine the student needs additional faculty supervision of skills, the student will be required to complete the clinical experience in the Phoenix area. Rural health and experiences with disadvantaged and multicultural populations are encouraged, and sites are available for these experiences.

Degree Requirements: 84 credit hours including the required course (DNP 707) and an Applied Project.

Completion of an evidence-based doctoral applied project focused on a clinical issue relevant to advanced practice nursing is required.

The American Nurses Credentialing Center (ANCC) has recommended a minimum of 1,000 post-baccalaureate practicum hours for all students completing the D.N.P. The program includes 1,170 practicum hours, exceeding the ANCC requirement.

Admission Requirements: Applicants must submit the Graduate College online application. Admission to graduate status in the College of Nursing and Health Innovation is based upon meeting the following requirements:

- Completion of a bachelor's in nursing from a nationally recognized, regionally accredited academic institution.
- An undergraduate junior/senior GPA equal to 3.00, or a cumulative GPA equal to 3.00 (4.00=A) or higher for any baccalaureate or graduate degree attained.
- A current unencumbered license in the state where clinical practice will be concluded and/or an unencumbered Arizona license to practice as a registered nurse to enroll in nursing practicum courses.
- Satisfactory completion of the analytical writing section of the GRE.
- Three online recommendations from individuals knowledgeable about the applicant's academic and nursing leadership potential along with one self-evaluation submitted by the applicant.
- An interview with a representative of the specialty area.
- Completion of the English language proficiency test per Graduate College requirement and all requirements for the Commission on Graduates of Foreign Nursing Schools (CGFNS), if considered an international student.

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Advanced Nursing Practice (Adult Psychiatric Mental Health Nurse Practitioner), DNP (NUANPPMDNP)

Online Degree Search Title: Adult Psychiatric Mental Health Nurse Practitioner (DNP)

Campus: DTPHX

Program Description: Designed for nurses seeking to become advanced-practice nurses as adult psychiatric mental health nurse practitioners. Graduate courses in application of theory to advanced practice; application of evidence to advanced practice; advanced pathophysiology; advanced health assessment; and advanced practice nursing role provide a foundation for this specialty. Graduate education in psychiatric mental health nursing gives opportunities for greater autonomy in practice, diverse employment opportunities, research and teaching capabilities and advanced assessment and intervention skills. Focused clinical experiences are arranged with appropriate preceptors and administrators. Every attempt will be made to arrange this in the student's geographical area. In the event that clinical sites are unavailable in that area or if the faculty determine that the student needs additional faculty supervision of skills, the student will be required to complete their clinical experience in the Phoenix area. Rural health and experiences with disadvantaged and multicultural populations are encouraged, and sites are available for these experiences. The program is designed to be accessible to students living or working at a distance, with course work delivered in a hybrid online format, in which students attend on-campus sessions two to three times each semester.

Degree Requirements: 84 credit hours and an Applied Project.

Completion of an evidence-based doctoral applied project focused on a clinical issue relevant to advanced practice nursing is required.

The American Nurses Credentialing Center (ANCC) has recommended a minimum of 1,000 post-baccalaureate practicum hours for all students completing a D.N.P. This program includes 1,170 practicum hours, exceeding the ANCC requirement.

Admission Requirements: Applicants must submit the Graduate College online application. Admission to graduate status in the College of Nursing and Health Innovation is based upon meeting the following requirements:

- Completion of a bachelor's in nursing from a nationally recognized, regionally accredited academic institution.
- An undergraduate junior/senior GPA equal to 3.00, or a cumulative GPA equal to 3.00 (4.00=A) or higher for any baccalaureate or graduate degree attained.
- A current unencumbered license in the state where clinical practice will be concluded and/or an unencumbered Arizona license to practice as a registered nurse to enroll in nursing practicum courses.
- Satisfactory completion of the analytical writing section of the GRE.
- Three online recommendations from individuals knowledgeable about the applicant's academic and nursing leadership potential and one self-evaluation submitted by the applicant.
- An interview with a representative of the specialty area.
- Completion of the English language proficiency test per Graduate College requirement and all requirements for the Commission on Graduates of Foreign Nursing Schools (CGFNS), if considered an international student.

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Advanced Nursing Practice (Child/Family Psychiatric Mental Health Nurse Practitioner), DNP (NUANPCFDNP)

Online Degree Search Title: Child/Family Psychiatric Mental Health Nurse Practitioner (DNP)

Campus: DTPHX

Program Description: The child/family psychiatric mental health nurse practitioner program is designed for nurses seeking to become family psychiatric mental health nurse practitioners. Graduate courses in application of theory to advanced practice; application of evidence to advanced practice; advanced pathophysiology; advanced health assessment; and advanced practice nursing provide a foundation for this specialty. The D.N.P. program is designed to be accessible to students living or working at a distance, with course work delivered in a hybrid online format, in

which students attend on-campus sessions two to three times each semester.

Graduate education in psychiatric mental health nursing gives opportunities for greater autonomy in practice; diverse employment opportunities; research and teaching capabilities; and advanced assessment and intervention skills. Focused clinical experiences are arranged with appropriate preceptors and administrators. Every attempt will be made to arrange this in the student's geographical area. In the event that clinical sites are unavailable in that area or if the faculty determine the student needs additional faculty supervision of skills, the student will be required to complete their clinical experience in the Phoenix area. Rural health and experiences with disadvantaged and multicultural populations are encouraged, and sites are available for these experiences.

Degree Requirements: 84 credit hours including the required course (DNP 707) and an Applied Project.

Completion of an evidence-based doctoral applied project focused on a clinical issue relevant to advanced practice nursing is required.

The American Nurses Credentialing Center (ANCC) has recommended a minimum of 1,000 post-baccalaureate practicum hours for all students completing a D.N.P. This program includes 1,170 practicum hours, exceeding the ANCC requirement.

Admission Requirements: Applicants must submit the Graduate College online application. Admission to graduate status in the College of Nursing and Health Innovation is based upon meeting the following requirements:

- Completion of a bachelor's in nursing from a nationally recognized, regionally accredited academic institution.
- An undergraduate junior/senior GPA equal to 3.00, or a cumulative GPA equal to 3.00 (4.00=A) or higher for any baccalaureate or graduate degree attained.
- A current unencumbered license in the state where clinical practice will be concluded and/or an unencumbered Arizona license to practice as a registered nurse to enroll in nursing practicum courses.
- Satisfactory completion of the analytical writing section of the GRE.
- Three online recommendations from individuals knowledgeable about the applicant's academic and nursing leadership potential and one self-evaluation submitted by the applicant.
- An interview with a representative of the specialty area.
- Completion of the English language proficiency test per Graduate College requirement and all requirements for the Commission on Graduates of Foreign Nursing Schools (CGFNS), if considered an international student.

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Advanced Nursing Practice (Family Nurse Practitioner), DNP (NUANPFNDNP)

Online Degree Search Title: Family Nurse Practitioner (DNP)

Campus: DTPHX

Program Description: Designed for nurses seeking to become advanced-practice nurses as family health nurse practitioners. Graduate courses in application of theory to advanced practice; application of evidence to advanced practice; advanced pathophysiology; advanced health assessment; and advanced practice nursing role provide a foundation for this specialty. The focus in courses is on development of expertise in providing primary care to individuals of all ages within traditional, nontraditional and culturally diverse families. Theory and practicum courses are designed to prepare the student for certification in advanced practice nursing as a family nurse practitioner. Focused clinical experiences are arranged with appropriate preceptors and administrators. Every attempt will be made to arrange this in the student's geographical area. In the event that clinical sites are unavailable in that area or if the faculty determine the student needs additional faculty supervision of skills, the student will be required to complete their clinical experience in the Phoenix area. Rural health and experiences with disadvantaged and multicultural populations are encouraged, and sites are available for these experiences.

Degree Requirements: 84 credit hours including the required course (DNP 707) and an Applied Project.

Completion of an evidence-based doctoral applied project focused on a clinical issue relevant to advanced practice nursing is required.

The American Nurses Credentialing Center (ANCC) has recommended a minimum of 1,000 post-baccalaureate practicum hours for all students completing a D.N.P. This program includes 1,170 practicum hours, exceeding the ANCC requirement.

Admission Requirements: Applicants must submit the Graduate College online application. Admission to graduate status in the College of Nursing and Health Innovation is based upon meeting the following requirements:

- Completion of a bachelor's in nursing from a nationally recognized, regionally accredited academic institution.
- An undergraduate junior/senior GPA equal to 3.00, or a cumulative GPA equal to 3.00 (4.00=A) or higher for any baccalaureate or graduate degree attained.
- A current unencumbered license in the state where clinical practice will be conducted and/or an unencumbered Arizona license to practice as a registered nurse to enroll in nursing practicum courses.

- Satisfactory completion of the analytical writing section of the GRE.
- Three online recommendations from individuals knowledgeable about the applicant's academic and nursing leadership potential and one self-evaluation submitted by the applicant.
- An interview with a representative of the specialty area.
- Completion of the English language proficiency test per Graduate College requirement and all requirements for the Commission on Graduates of Foreign Nursing Schools (CGFNS), if considered an international student.

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Advanced Nursing Practice (Geriatric Nurse Practitioner), DNP (NUGNPDNP)

Online Degree Search Title: Advanced Nursing Practice (Geriatric Nurse Practitioner) (DNP)

Campus: DTPHX

Program Description: The program is designed for nurses seeking to become advanced-practice nurses as geriatric nurse practitioners. Graduate courses in application of theory to advanced practice; application of evidence to advanced practice; advanced pathophysiology; advanced health assessment; pharmacology; and advanced practice nursing roles provide a foundation for this specialty. The D.N.P. program is designed to be accessible to students living or working at a distance, with course work delivered in a hybrid online format, in which students attend on-campus sessions two to three times each semester.

A major focus of this program is acquisition of advanced knowledge and skills for primary care, case management, screening and health promotion of older adults in a variety of settings, including private practice, ambulatory clinics, acute care, long-term care facilities and the patient's home. Focused clinical experiences are arranged with appropriate preceptors and administrators. Every attempt will be made to arrange this in the student's geographical area. In the event that clinical sites are unavailable in that area or if the faculty determine the student needs additional faculty supervision of skills, the student will be required to complete their clinical experience in the Phoenix area. Rural health and experiences with disadvantaged and multicultural populations are encouraged, and sites are available for these experiences.

Degree Requirements: 84 credit hours and an Applied Project.

Completion of an evidence-based doctoral applied project focused on a clinical issue relevant to advanced practice nursing is required.

The American Nurses Credentialing Center (ANCC) has recommended a minimum of 1,000 post-baccalaureate practicum hours for all students completing a D.N.P. This program includes 1,170 practicum hours, exceeding the ANCC requirement.

Admission Requirements: Applicants must submit the Graduate College online application. Admission to graduate status in the College of Nursing and Health Innovation is based upon meeting the following requirements:

- Completion of a bachelor's in nursing from a nationally recognized, regionally accredited academic institution.
- An undergraduate junior/senior GPA equal to 3.00, or a cumulative GPA equal to 3.00 (4.00=A) or higher for any baccalaureate or graduate degree attained.
- A current unencumbered license in the state where clinical practice will be concluded and/or an unencumbered Arizona license to practice as a registered nurse to enroll in nursing practicum courses.
- Satisfactory completion of the analytical writing section of the GRE.
- Three online recommendations from individuals knowledgeable about the applicant's academic and nursing leadership potential and one self-evaluation submitted by the applicant.
- An interview with a representative of the specialty area.
- Completion of the English language proficiency test per Graduate College requirement and all requirements for the Commission on Graduates of Foreign Nursing Schools (CGFNS), if considered an international student.

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Advanced Nursing Practice (Neonatal Nurse Practitioner), DNP (NUANPDNP)

Online Degree Search Title: Neonatal Nurse Practitioner (DNP)

Campus: DTPHX

Program Description: Designed for nurses seeking to become advanced practical nurses as neonatal nurse practitioners. Graduate courses in application of theory to advanced practice; application of evidence to advanced practice; advanced pathophysiology; and advanced health assessment provide a foundation for this specialty.

Advanced neonatal nursing theory and clinical courses focus on the development of a framework for developmentally supportive, family-centered, culturally appropriate advanced nursing practice with infants, children and families. Focused clinical experiences are arranged with appropriate preceptors and administrators. Every attempt will be made to arrange this in the student's geographical area. In the event that clinical sites are unavailable in that area or if the faculty determine the student needs additional faculty supervision of skills, the student will be required to complete the clinical experience in the Phoenix area. Rural health and experiences with disadvantaged and multicultural populations are encouraged, and sites are available for these experiences.

Degree Requirements: 84 credit hours including the required course (DNP 707) and an Applied Project.

Completion of an evidence-based doctoral applied project focused on a clinical issue relevant to advanced practice nursing is required.

The American Nurses Credentialing Center (ANCC) has recommended a minimum of 1,000 post-baccalaureate practicum hours for all students completing a D.N.P. This program includes 1,170 practicum hours, exceeding the ANCC requirement.

Admission Requirements: Applicants must submit the Graduate College online application. Admission to graduate status in the College of Nursing and Health Innovation is based upon meeting the following requirements:

- Completion of a bachelor's degree in nursing from a nationally recognized, regionally accredited academic institution.
- An undergraduate junior/senior GPA equal to 3.00, or a cumulative GPA equal to 3.00 (4.00=A) or higher for any baccalaureate or graduate degree attained.
- A current unencumbered license in the state where clinical practice will be conducted and/or an unencumbered Arizona license to practice as a registered nurse to enroll in nursing practicum courses.
- Satisfactory completion of the analytical writing section of the GRE.
- Three online recommendations from individuals knowledgeable about the applicant's academic and nursing leadership potential and one self-evaluation completed by the applicant.
- An interview with a representative of the specialty area.
- Completion of the English language proficiency test per Graduate College requirement and all requirements for the Commission on Graduates of Foreign Nursing Schools (CGFNS), if considered an international student.

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Advanced Nursing Practice (Pediatric Nurse Practitioner), DNP (NUANPPDNP)

Online Degree Search Title: Pediatric Nurse Practitioner (DNP)

Campus: DTPHX

Program Description: Designed for nurses seeking to become advanced-practice nurses as pediatric nurse practitioners. Graduate courses in application of theory to advanced practice; application of evidence to advanced practice; advanced pathophysiology; and advanced health assessment provide a foundation for this specialty.

Advanced pediatric nursing theory and clinical courses focus on the development of a framework for developmentally supportive, family-centered, culturally appropriate advanced nursing practice with infants, children and families. Focused clinical experiences are arranged with appropriate preceptors and administrators. Every attempt will be made to arrange this in the student's geographical area. In the event that clinical sites are unavailable in that area or if the faculty determine the student needs additional faculty supervision of skills, the student will be required to complete their clinical experience in the Phoenix area. Rural health and experiences with disadvantaged and multicultural populations are encouraged, and sites are available for these experiences.

Degree Requirements: 84 credit hours including the required course (DNP 707) and an Applied Project.

Completion of an evidence-based doctoral applied project focused on a clinical issue relevant to advanced practice nursing is required.

The American Nurses Credentialing Center (ANCC) has recommended a minimum of 1,000 post-baccalaureate practicum hours for all students completing a D.N.P. This program includes 1,170 practicum hours, exceeding the ANCC requirement.

Admission Requirements: Applicants must submit the Graduate College online application. Admission to graduate status in the College of Nursing and Health Innovation is based upon meeting the following requirements:

- Completion of a bachelor's in nursing from a nationally recognized, regionally accredited academic institution.

- An undergraduate junior/senior GPA equal to 3.00, or a cumulative GPA equal to 3.00 (4.00=A) or higher for any baccalaureate or graduate degree attained.
- A current unencumbered license in the state where clinical practice will be conducted and/or an unencumbered Arizona license to practice as a registered nurse to enroll in nursing practicum courses.
- Satisfactory completion of the analytical writing section of the GRE.
- Three online recommendations from individuals knowledgeable about the applicant's academic and nursing leadership potential and one self-evaluation submitted by the applicant.
- An interview with a representative of the specialty area.
- Completion of the English language proficiency test per Graduate College requirement and all requirements for the Commission on Graduates of Foreign Nursing Schools (CGFNS), if considered an international student.

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Child and Adolescent Mental Health Intervention (certificate), CERT (NUCAMHICE)

Online Degree Search Title: Child and Adolescent Mental Health Intervention Specialist (Grad Certificate)

Campus: DTPHX

Program Description: The College of Nursing and Health Innovation at ASU offers the nation's first child and adolescent mental health intervention specialist graduate certificate program. This innovative program is designed specifically for pediatric and family nurse practitioners, physicians and other interdisciplinary health care providers who desire to enhance their knowledge and skills in the assessment and management of common mental and behavioral health problems in children and adolescents. This graduate certificate curriculum is predominantly an online distance education program with two, two-day visits to the ASU Downtown Phoenix campus for orientation and intensive learning.

Degree Requirements: 15 credit hours.

Nine credit hours of this program can be transferred into the college's post-master's child/family psychiatric mental health nurse practitioner program for those students desiring more depth in assessing and treating child and adolescent mental health problems as a child/family psychiatric mental health nurse practitioner.

Admission Requirements: Applicants must submit the Graduate College online application.

- Applicants must either have an M.S. in nursing and work as a pediatric/family nurse practitioner or pediatric clinical nurse specialist, or be a health-related professional (e.g., physician, social worker, physician assistant) with experience in child and adolescent behavioral and mental health.
- Current health care licensure in the applicant's state of residence is needed for admission to this certificate program.
- Completion of the English language proficiency test per Graduate College requirement, if the applicant is considered an international student.

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Child/Family Mental Health Nurse Practitioner (certificate), CERT (NUPMNUPRCE)

Online Degree Search Title: Child/Family Mental Health Nurse Practitioner (Grad Certificate)

Campus: DTPHX

Program Description: Designed for nurses seeking to become advanced-practice nurses as child/family psychiatric mental health nurse practitioners. Graduate courses in application of theory to advanced practice; application of evidence to advanced practice; advanced pathophysiology; and advanced health assessment provide a foundation for this specialty. Graduate education in psychiatric mental health nursing gives opportunities for greater autonomy in practice, diverse employment opportunities, research and teaching capabilities and advanced assessment and intervention skills. Focused clinical experiences are arranged with preceptors and administrators in the student's local health care setting. Rural health and experiences with disadvantaged and multicultural populations are encouraged.

Degree Requirements: 28 credit hours.

This graduate certificate program (including 585 clinical hours) prepares nurses with a master's to become child/family psychiatric nurse practitioners.

Prerequisites required, or equivalent courses taken in master's program:

DNP 604 and 630 Human Pathophysiology (3) - across the lifespan.

DNP 608 Pharmacology (2) - across the lifespan.

DNP 605 and DNP 631 Advanced Health Assessment (3) - across the lifespan.

DNP 609 and 610 Advanced Practice Nursing Role (3).

Students will have an individual review of their transcripts and an individualized plan of study designed to meet certification requirements.

Depending on how many prerequisite courses are completed in the master's, up to one year of additional study may need to be added to complete this specialty.

Admission Requirements: Applicants must submit the Graduate College online application. Admission to graduate status in the College of Nursing and Health Innovation is based upon meeting the following requirements:

- M.S. in nursing from a nationally recognized, regionally accredited academic institution.
- Official transcripts from all academic institutions.
- Unencumbered RN license in the state where the student plans to do the clinical practicum experience. Students who live out of state may complete clinical practicums in their own state if suitable practicum sites are available and they agree to contract with the College of Nursing and Health Innovation.
- Three online recommendations from individuals knowledgeable about the applicant's academic and nursing leadership potential and one self-evaluation submitted by the applicant.
- An interview with a representative of the specialty area.
- Completion of the English language proficiency test per Graduate College requirement and all requirements for the Commission on Graduates of Foreign Nursing Schools (CGFNS), if considered an international student.

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Clinical Research Management, MS (NUCRMMS)

Online Degree Search Title: Clinical Research Management, Nursing (MS)

Campus: DTPHX, ONLNE

Program Description: The M.S. in clinical research management attracts nurses and health care professionals throughout the nation and internationally for advanced education as clinical research professionals in the diversified and complex clinical research industry. Health care professionals from fields outside nursing may complete the curriculum to obtain an M.S. in clinical research management, with completion of stated prerequisites.

The clinical research management specialty takes a transdisciplinary approach in providing an education strong in the commercial and fiscal practices of conducting clinical research, ethical and regulatory aspects of research and overall operational leadership of clinical drug, biological and medical device trials. The program is designed to be flexible and conducive to the adult learner. The program is offered online with an initial two-day orientation.

Degree Requirements: 33 credit hours including a Capstone (HCR 566).

A six credit hour capstone clinical research project is required.

Admission Requirements: Applicants must submit the Graduate College online application. Admission to graduate status in the College of Nursing and Health Innovation is based upon meeting the following requirements:

- A bachelor's from a nationally recognized, regionally accredited academic institution
- An undergraduate junior/senior GPA equal to 3.00, or a cumulative GPA equal to 3.00 (4.00 = A) or higher, for any undergraduate or graduate degree attained.
- All applicants must have completed the following undergraduate three-credit, prerequisite courses (or equivalent) with a grade of "C" (2.00) or better:
 - Anatomy and physiology.
 - Health care system overview; or health policy.
 - Medical terminology.

- Three online recommendations from individuals knowledgeable about the applicant's academic and leadership potential.
- Completion of the English language proficiency test per the Graduate College requirement, if considered an international student.

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Clinical Research Management (certificate), CERT (NUHCRGRCC)

Online Degree Search Title: Clinical Research Management (Grad Certificate)

Campus: DTPHX

Program Description: The graduate certificate in clinical research management attracts nurses and health care professionals throughout the nation and internationally for advanced education as clinical research professionals in the diversified and complex clinical research industry. Health care professionals from fields outside nursing may complete the curriculum to obtain a certificate in clinical research management, with completion of stated prerequisites. The clinical research management specialty takes a transdisciplinary approach in providing an education strong in the commercial and fiscal practices of clinical research, ethical and regulatory aspects of research, and overall operational leadership of clinical drug, biological and medical device trials. The program is designed to be flexible and conducive to the adult learner. The clinical research management graduate certificate is offered online with an initial two-day orientation.

Degree Requirements: 15 credit hours including a Capstone course (HCR 564).
 A three-credit hour capstone clinical research project is required.

Admission Requirements: Applicants must submit the Graduate College online application. Admission to graduate status in the College of Nursing and Health Innovation is based upon meeting the following requirements:

- A bachelor's from a nationally recognized, regionally accredited academic institution.
- An undergraduate junior/senior GPA equal to 3.00, or a cumulative GPA equal to 3.00 (4.00 = A) or higher, for any undergraduate or graduate degree attained.
- All applicants must have completed the following undergraduate three-credit, prerequisite courses (or equivalent) with a grade of "C" (2.00) or better:
 - Anatomy and physiology.
 - Health care system overview; or health policy.
 - Medical terminology.
- Three online recommendations from individuals knowledgeable about the applicant's academic and leadership potential.
- Completion of the English language proficiency test per Graduate College requirement, if considered an international student.

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Community and Public Health Practice (certificate), CERT (NUCHPGRCH)

Online Degree Search Title: Community and Public Health Practice (Grad Certificate)

Campus: DTPHX

Program Description: The graduate certificate in community and public health practice is directed toward students with bachelor's degrees who currently work in community or public health or other relevant fields and who want to solve public health problems and apply a breadth of knowledge and expertise in the community.

Degree Requirements: 16 credit hours.

The graduate certificate in community and public health practice includes three credit hours (135 clock hours) of internship.

Admission Requirements: Applicants must submit the Graduate College online application. Admission to graduate status in the College of Nursing and Health Innovation is based upon meeting the following requirements:

- Completion of a bachelor's in nursing (or related field) from a nationally recognized, regionally accredited academic institution.
- An undergraduate junior/senior GPA equal to 3.00, or a cumulative GPA equal to 3.00 (4.00=A) or higher for any baccalaureate or graduate degree attained.
- A current unencumbered professional license in the state where the internship will be conducted and/or an unencumbered Arizona professional practice license (if necessary).
- Three online professional recommendations from individuals knowledgeable about the applicant's academic and leadership potential.
- An interview with the program faculty.
- Completion of the English language proficiency test per Graduate College requirement, if considered an international student.

Contact Information:

Nursing & Health Innovation, College of
College of Nursing & Health Innovation
<http://nursingandhealth.asu.edu/>
NHI2 201G
gponursing@asu.edu
602-496-0703

Evidence-Based Practice in Nursing and Healthcare (certificate), CERT (NUEVIDNSCE)

Online Degree Search Title: Evidence-Based Practice Nursing Science (Grad Certificate)

Campus: DTPHX

Program Description: The evidence-based practice graduate certificate program is designed to prepare nurse clinicians, educators and other health care professionals as experts in evidence-based practice. This 18-month program is user friendly and constructed in a distance-learning, online format to facilitate involvement of participants throughout the U.S. and the world. Two on-site visits to ASU are required. The initial visit is an orientation and the final visit is an immersion.

Degree Requirements: 17 credit hours.

Admission Requirements: Applicants must submit the Graduate College online application. Admission to graduate status in the College of Nursing and Health Innovation is based upon meeting the following requirements:

- Completion of an accredited master's with a 3.00 cumulative GPA; or current enrollment in an accredited master's program with a cumulative 3.00 GPA and approval by program director.
- Submit a letter of support from the applicant's agency.
- Submit official transcripts from the applicant's academic degree institution(s).

Contact Information:

Nursing & Health Innovation, College of
College of Nursing & Health Innovation
<http://nursingandhealth.asu.edu/>
NHI2 201G
gponursing@asu.edu
602-496-0703

Family Nurse Practitioner (certificate), CERT (NUFMPGRCE)

Online Degree Search Title: Family Nurse Practitioner (Grad Certificate)

Campus: DTPHX

Program Description: This program is designed for nurses seeking to become advanced-practice nurses as family nurse practitioners. Graduate courses in application of theory to advanced practice; application of evidence to advanced practice; advanced pathophysiology; and advanced health assessment provide a foundation for this specialty. The course focus is on development of expertise in providing primary care to individuals of all ages within traditional, nontraditional and culturally diverse families. Focused clinical experiences are arranged with preceptors and administrators in the student's local health care setting. Rural health and experiences with disadvantaged and multicultural populations are encouraged.

Degree Requirements: 22 credit hours.

This graduate certificate program (including 585 clinical hours) prepares nurses with a master's to become family nurse practitioners.

Prerequisites required, or equivalent courses taken in master's program:

DNP 604 and 630 Human Pathophysiology (3) - across the lifespan.

DNP 605 and DNP 631 Advanced Health Assessment (3) - across the lifespan.

DNP 608 and 632 Pharmacology (3) - across the lifespan.

DNP 609 and 610 Advanced Practice Nursing Role (3).

Students will have an individual review of their transcripts and an individualized program of study designed to meet certification requirements. This may add up to one year of additional study to complete this certificate.

Admission Requirements: Applicants must submit the Graduate College online application. Admission to graduate status in the College of Nursing and Health Innovation is based upon meeting the following requirements:

- Completion of a master's in nursing from a nationally recognized, regionally accredited academic institution.
- An undergraduate junior/senior GPA equal to 3.00, or a cumulative GPA equal to 3.00 (4.00=A) or higher for any baccalaureate or graduate degree attained.
- A current unencumbered license in the state where clinical practice will be conducted and/or an unencumbered Arizona license to practice as a registered nurse to enroll in nursing practicum courses.
- Satisfactory completion of the analytical writing section of the GRE.
- Three online recommendations from individuals knowledgeable about the applicant's academic and nursing leadership potential and one self-evaluation submitted by the applicant.
- An interview with a representative of the specialty area.
- Completion of the English language proficiency test per Graduate College requirement and all requirements for the Commission on Graduates of Foreign Nursing Schools (CGFNS), if considered an international student.

Contact Information:

Nursing & Health Innovation, College of

College of Nursing & Health Innovation

<http://nursingandhealth.asu.edu>

NHI2 201F

gponursing@asu.edu

602-496-0857

Geriatric Nursing (certificate), CERT (NUGNCERT)

Online Degree Search Title: Geriatric Nursing (Grad Certificate)

Campus: DTPHX

Program Description: This program will prepare practice leaders who are responsive to societal and cultural needs and who are committed to providing and improving evidence-based practice in geriatric nursing. The target groups for this certificate are nurses, nursing faculty and nurse practitioners who want to increase their knowledge related to evidence-based practice geriatric care. Nursing faculty teaching in associate degree programs and baccalaureate programs are particularly targeted so this knowledge area can be added to basic programs of nursing in Arizona.

Degree Requirements: 15 credit hours.

Admission Requirements: Applicants must submit the Graduate College online application. Admission to graduate status in the College of Nursing and Health Innovation is based upon meeting the following requirements:

- Completion of a bachelor's degree in nursing from a nationally recognized, regionally accredited academic institution.
- An undergraduate junior/senior GPA equal to 3.00, or a cumulative GPA equal to 3.00 (4.00 = A) or higher for any baccalaureate or graduate degree attained.
- Applicants must provide a resume, goal statement and three online of recommendations.
- Interview with program faculty.
- Completion of the English language proficiency test per graduate college requirement, if considered an international student.

Contact Information:

Nursing & Health Innovation, College of

College of Nursing & Health Innovation

<http://nursingandhealth.asu.edu/>

NHI2 201G

gponursing@asu.edu
602-496-0703

Healthcare Innovation, MHI (NUHCINNMHI)

Online Degree Search Title: Healthcare Innovation (MHI)

Campus: DTPHX, ONLNE

Program Description: The M.H.I. is a 33-credit master's program using a hybrid online format open to nursing and non-nursing students working and living locally or at a distance. This program is an initiative led by the ASU College of Nursing and Health Innovation. The curriculum uses a hybrid online format to distinguish it from a traditional distance learning program. This unique curriculum and hybrid online format allows students to have face-to-face contact with each other and health care leaders during two- to four-day immersion sessions. These sessions take place at the beginning of each semester and at mid-semester (except for the summer session). The remainder of the course work is held online, using synchronous (i.e., everyone is online in class at the same time) and asynchronous formats, voice-over lectures, discussion boards and other online learning tools.

Degree Requirements: 33 credit hours including a Capstone Course (MHI 563).

Admission Requirements: Applicants must submit the Graduate College online application. Admission to graduate status in the College of Nursing and Health Innovation is based upon meeting the following requirements:

- A bachelor's from a nationally recognized, regionally accredited academic institution.
- An undergraduate junior/senior GPA equal to 3.00, or a cumulative GPA equal to 3.00 (4.00=A) or higher for any baccalaureate or graduate degree attained.
- Three online professional recommendations from individuals knowledgeable about the applicant's academic and leadership potential and one self-evaluation submitted by the applicant.
- Completion of the English language proficiency test per Graduate College requirement, if considered an international student.

Contact Information:

Nursing & Health Innovation, College of
College of Nursing & Health Innovation
<http://nursingandhealth.asu.edu/>
NH12 201G
gponursing@asu.edu
602-496-0703

International Health for Healthcare Professionals (certificate), CERT (NUHCRGRCI)

Online Degree Search Title: International Health for Healthcare Professionals (Grad Certificate)

Campus: DTPHX

Program Description: The international health for health professionals graduate certificate prepares health care personnel to meet the global health challenges of the 21st century. Students receive comprehensive education in the promotion of holistic, culturally responsive evidence-based care within and outside the U.S. Course content includes the provision of care in the presence and absence of natural (e.g., earthquakes) and human made disasters (e.g., war), the spread of chronic and infectious diseases, economic and political issues, and other factors that pose substantial challenges to world health promotion and disease prevention. This graduate certificate is offered as a part or full-time hybrid online distance program with two day visits to ASU Downtown Phoenix campus and a capstone immersion experience.

Degree Requirements: 16 credit hours including a Capstone course (HCR 572).

Admission Requirements: Applicants must submit the Graduate College online application. Admission to graduate status in the College of Nursing and Health Innovation is based upon meeting the following requirements:

- Undergraduate-prepared nurse or health-related professional (e.g., social worker, physician, psychologist, dentist) with a baccalaureate or graduate degree from a nationally or internationally recognized and regionally accredited academic institution, or equivalent.
- An undergraduate junior/senior GPA equal to 3.00 (4.00=A), or a cumulative GPA equal to 3.00 or higher for any baccalaureate or graduate degree attained.
- Professional license in the state where the individual Capstone project will be conducted, if required (e.g., RN, NP, MSW, PA or MD).
- Resume or curriculum vitae.
- Email addresses of three professional references who will be contacted (do not include friends or relatives) and completion of online recommendations.
- Fingerprint clearance or proof of application for U.S. citizens and applicants with permanent U.S. resident status.

- Photocopy of current, valid passport.
- Completion of the English language proficiency test per Graduate College requirement, if considered an international student.

Contact Information:

Nursing & Health Innovation, College of
 College of Nursing & Health Innovation
<http://nursingandhealth.asu.edu/>
 NH12 201G
 gponursing@asu.edu
 602-496-0703

Nurse Education in Academic and Practice Settings (certificate), CERT (NUNURSEDCE)

Online Degree Search Title: Nurse Education in Academic and Practice Settings (Grad Certificate)

Campus: DTPHX

Program Description: The graduate certificate in nurse education in academic and practice settings is an innovative program that is offered in hybrid format for nurses (or health care professionals) who have at least a bachelor's and who are interested in teaching in academic or practice settings. This program includes courses covering curriculum development, teaching in the classroom, teaching online and producing and evaluating educational programs in academic and practice settings.

Degree Requirements: 15 credit hours.

A three credit hour teaching practicum (comprised of 135 clock hours) is required.

Admission Requirements: Applicants must submit the Graduate College online application. Admission to graduate status in the College of Nursing and Health Innovation is based upon meeting the following requirements:

- Minimum of a bachelor's in nursing (or a health care related field) from a nationally recognized, regionally accredited academic institution.
- An undergraduate junior/senior GPA equal to 3.00, or a cumulative GPA equal to 3.00 (4.00=A) or higher for any baccalaureate or graduate degree attained.
- A current unencumbered license in the state where clinical practice will be conducted and/or an unencumbered Arizona license to practice as a registered nurse (or health care professional) to enroll in the teaching course.
- Three online of recommendations from individuals knowledgeable about the applicant's academic or leadership potential.
- An interview with program faculty.
- Completion of the English language proficiency test per Graduate College requirement and all requirements for the Commission on Graduates of Foreign Nursing Schools (CGFNS), if considered an international student.

Contact Information:

Nursing & Health Innovation, College of
 College of Nursing & Health Innovation
<http://nursingandhealth.asu.edu/>
 NH12 201G
 gponursing@asu.edu
 602-496-0703

Nursing (Community Health Advanced Practice Nursing), MS (NUCHNDTMS)

Online Degree Search Title: Community Health Nursing (MS)

Campus: DTPHX

Program Description: The community health nursing graduate program provides theoretical and practical foundations for advanced practice in community/public health nursing in public or private sector health care settings. Graduate courses in nursing theory, research, epidemiology and biostatistics provide a foundation for practice in community/public health nursing. By combining public/community health theory with nursing theory and research, the community health nurse considers all influences on the population and community in decision-making and outcome evaluation. The major focus in this specialty area is on utilizing public health sciences and skills in the assessment of communities and populations, policy development, program planning, effective communication and the impact of cultural influences on health. The graduate in community/public health is actively engaged in education (e.g., community, staff, students and colleagues), case management, expert clinical practice, consultation, research and administration.

Degree Requirements: 45 credit hours including the required course (NUR 593) and an Applied Project.

The practicum and internship requirements include 540 clock hours. At the completion of the program, students are eligible to take the American Nurses Credentialing Center exam for national certification as an advanced public health nurse (APHN-BC).

Admission Requirements: Applicants must submit the Graduate College online application. Admission to graduate status in the College of Nursing and Health Innovation is based upon meeting the following requirements:

- Completion of a bachelor's in nursing from a nationally recognized, regionally accredited academic institution.
- An undergraduate junior/senior GPA equal to 3.00, or a cumulative GPA equal to 3.00 (4.00=A) or higher for any undergraduate or graduate degree attained.
- A current unencumbered license in the state where internship/practicum will be conducted and/or an unencumbered Arizona license to practice as a registered nurse to enroll in nursing practicum courses.
- Satisfactory completion of the analytical writing section of the GRE.
- Three online recommendations from individuals knowledgeable about the applicant's academic and nursing leadership potential and one self-evaluation submitted by the applicant.
- An interview with the program faculty.
- Completion of English language proficiency test per Graduate College requirement and all requirements for the Commission on Graduates of Foreign Nursing Schools (CGFNS), if considered an international student.

Applications to the program are accepted each year for fall semester enrollment.

Contact Information:

Nursing & Health Innovation, College of
College of Nursing & Health Innovation
<http://nursingandhealth.asu.edu/>
NHI2 201G
gponursing@asu.edu
602-496-0703

Nursing (Nursing Education), MS (NUNURSEDMS)

Online Degree Search Title: Nursing Education (MS)

Campus: DTPHX

Program Description: The M.S. program is designed to foster scholarship, creativity and innovation that prepares the nurse educator for leadership roles in academic and practice settings. The program offers advanced-level courses that can be used to provide a seamless transition to the Ph.D. or the D.N.P. program, depending on career goals. At the completion of the program, graduates with two years of aching experience may be eligible to take the National League for Nursing certification examination.

Degree Requirements: 38 credit hours including the required course (NUR 593) and an Applied Project.

This degree program culminates in an applied project related to learner-centered education. The core of the program consists of 15 hours of courses and a practicum, which focuses on the science and art of nursing education, theory and practice courses related to one of the current clinical specialties.

Admission Requirements: Applicants must submit the Graduate College online application. Admission to graduate status in the College of Nursing and Health Innovation is based upon meeting the following requirements:

- Completion of a bachelor's in nursing at a nationally recognized, regionally accredited academic institution.
- An undergraduate junior/senior GPA equal to 3.00, or a cumulative GPA equal to 3.00 (4.00=A) or higher for any baccalaureate or graduate degree attained.
- Current unencumbered license in the state where teaching practicum will be conducted and/or an unencumbered Arizona license to practice as a registered nurse to enroll in nursing practicum courses.
- Three online recommendations from individuals knowledgeable about the applicant's academic potential and a self-assessment form submitted by the applicant.
- Fingerprint clearance for U.S. citizens.
- Completion of the English language proficiency test per the Graduate College requirement and all requirements for the Commission on Graduates of Foreign Nursing Schools (CGFNS), if considered an international student.

Contact Information:

Nursing & Health Innovation, College of
College of Nursing & Health Innovation
<http://nursingandhealth.asu.edu/>
NHI2 201G
gponursing@asu.edu
602-496-0703

Nursing and Healthcare Innovation, PHD (NUNHIPHD)

Online Degree Search Title: Nursing and Healthcare Innovation (PHD)

Campus: DTPHX

Program Description: The College of Nursing and Health Innovation offers this program in traditional on-site delivery format and innovative synchronous on-line delivery, designed to maintain our commitment to a highly mentored, interactive learning experience. Several different modalities are used to enhance the student's learning, including multimedia presentations, asynchronous discussion boards and live chats.

Degree Requirements: 84 credit hours, a Written Comprehensive Exam, an Oral Comprehensive Exam, a Prospectus and a Dissertation. Up to 30 credit hours from a previously awarded master's may count toward this requirement. Twelve credit hours are required in a substantive area of concentration and may be taken in any semester, based on availability and student interest. Twenty-four credit hours of course work with a research focus are required, including 12 hours of dissertation credit.

Students are required to enroll in a minimum of nine credit hours per semester for years one and two of their program of study. The program of study can be as broad or as narrow as the student and the supervisory program committee deem necessary for the student's career goals. Students may choose from the following five substantive areas of study:

- Healthy outcomes in aging.
- Health outcomes in children, teens and families.
- Education.
- Health care innovation leadership.
- Global health.

The program may incorporate courses from other disciplines, to further refine substantive areas of study.

Written and oral comprehensive examinations are required. Students must also complete and successfully defend a written dissertation.

Admission Requirements: Applicants must submit the Graduate College online application. Admission to the Ph.D. program in the College of Nursing and Health Innovation is based upon meeting the following requirements:

- Completion of a bachelor's or master's in nursing or a related field from a nationally recognized, regionally accredited academic institution.
- A cumulative undergraduate GPA of at least 3.00 or a cumulative graduate GPA of at least 3.50.
- Completion of an inferential statistics prerequisite course by post master's applicants.
- GRE scores are encouraged but not required.
- International applicants: Individuals whose native language is not English must meet previous qualifications and complete the English language proficiency test per the Graduate College requirement.

Students are admitted once a year to start in the fall semester.

Contact Information:

Nursing & Health Innovation, College of

College of Nursing & Health Innovation

<http://nursingandhealth.asu.edu>

NHI2 331J

phdnursing@asu.edu

602-496-0930

Regulatory Science and Health Safety, MS (NURSHSMS)

Online Degree Search Title: Regulatory Science & Health Safety (MS)

Campus: DTPHX

Program Description: The M.S. in regulatory science and health safety is designed to prepare students for careers in the field of regulatory affairs. The aim of the program is to instruct students about the development and commercialization of medical drugs, devices and other regulated products. The program will focus on safety, as a fundamental aspect of regulatory science, and on leadership development. The program uses a multidisciplinary approach to meet the unique needs of regulating bodies and the regulated industry. It encompasses course work in clinical research, ethics, quality systems, quantitative methods and statistics, leadership and project management in the regulatory field. All core courses are offered as classroom-based courses. Students will develop skills that incorporate an evidence-based approach to decision-making, clinical research, regulations and the evaluation of the safety of health products, including drugs, medical devices and nutritional products. They will also develop leadership and project management skills.

Degree Requirements: 39 credit hours including a Capstone (HCR 560).

Admission Requirements: Applicants must submit the Graduate College online application. Admission to graduate status in the College of Nursing and Health Innovation is based upon meeting the following requirements:

- A bachelor's from a nationally recognized, regionally accredited academic institution.
- An undergraduate junior/senior GPA equal to 3.00, or a cumulative GPA equal to 3.00 (4.00 = A) or higher from any undergraduate or graduate degree attained.
- Three online recommendations from individuals knowledgeable about the applicant's academic and leadership potential.
- Completion of the English language proficiency test per Graduate College requirement, if considered an international student.

Applications are accepted once per year for fall semester enrollment.

Contact Information:

Nursing & Health Innovation, College of
 College of Nursing & Health Innovation
<http://nursingandhealth.asu.edu/regulatory>
 NH11 416
 sandra.shire@asu.edu
 602-496-1694

Public Programs, College of

Applied Ethics and the Professions (Leadership, Management, and Ethics), MA (LAAEPLMEMA)

Online Degree Search Title: Applied Ethics (Ldrshp, Mgmt, and Ethics) MA

Campus: DTPHX

Program Description: Students pursuing the M.A. in applied ethics and the professions concentration (leadership, management and ethics) examine a variety of considerations facing managers and leaders in public, private and nonprofit organizations and consider the question of how ethical judgments might be made in these settings.

Topics covered include, but are not limited to, the following issues:

- How does management or leadership contribute to the organization's overall sense of social responsibility? Is the manager or leader seeking moral objectives or moral ends, the right policies or outcomes?
- Is the manager or leader doing the right things for the right reasons and with the proper attention to matters of character and integrity?
- What is the relationship between managers or leaders and followers, and how, if at all, does the act of leadership itself appreciably alter the values of the group in a positive way?

Completion of this degree concentration prepares the student to act more ethically and responsibly as an individual in their organization and in society, as well as to help those groups develop more ethical cultures.

Degree Requirements: 30 credit hours including the required course (AEP 593) and an Applied Project.

Graduate course work is distributed as follows:

- Elective concentration courses (15).
- Required capstone courses (6).
- Required concentration course (3).
- Required core courses (6).

Admission Requirements: All applicants must submit the Graduate College online application and meet all Graduate College admission criteria, including those regarding English proficiency, and submit the following:

- GRE, LSAT or MCAT scores.
- Official transcripts from all postsecondary institutions attended.
- Statement of interest in applied ethics and career goals.
- Three letters of recommendation.

Contact Information:

Public Programs, College of
 School of Public Affairs
<http://spa.asu.edu/>
 UCENT 400
 spa@asu.edu
 602-496-0450

Assessment of Integrative Health Modalities (certificate), CERT (PPSWGGRCH)

Online Degree Search Title: Assessment of Integrative Health Modalities (Grad Certificate)

Campus: DTPHX

Program Description: The School of Social Work graduate certificate in assessment of integrative health modalities will focus on integrative health, the current term used by practitioners in the field who feel strongly that treating the "whole person - body, mind and spirit" is the route to the highest quality of health.

The purpose of the certificate is to enhance students' knowledge of integrative health practices. It will provide students with extensive knowledge of integrative health practices through directed readings in evidence-based journal articles, expert lectures from community health professionals and ASU faculty drawn from across disciplines, field observation, an individual research paper and a mindfulness in-class practice and class interaction that can enhance the quality and effectiveness of treating clients holistically.

Degree Requirements: 15 credit hours.

The certificate will require the completion of credits hours distributed among three required courses, including two approved interdisciplinary electives:

SWG 655 Quality of Life

SWG 656 Treating the Whole Person

SWG 657 Ancient Healing Traditions

In addition, after the completion of three approved courses and prior to completing the last course, students are required to complete a research project highlighting their certificate experience.

Admission Requirements: Students interested in applying to this program must submit the online Graduate College application, transcripts (if not on file with ASU) and the Graduate College application fee. Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

In addition, applicants are required to submit to the School of Social Work: a resume, a one- to two-page statement and the School of Social Work application to the Assessment of Integrative Health Modalities Certificate program. No more than two certificate courses may be completed before applying for admission to the certificate program.

This certificate is open to professionals in social work, nursing or related health and human service professions from the community, as well as students currently admitted to a health and human services degree program at the master's or doctoral level. A minimum of a bachelor's in health or human services or related field is required for entry into the certificate program.

Contact Information:

Public Programs, College of

School of Social Work

<http://ssw.asu.edu/>

UCENT 800

social.work@asu.edu

602-496-0800

Community Resources and Development, PHD (PPCRDPHD)

Online Degree Search Title: Community Resources and Development (PhD)

Campus: DTPHX

Program Description: The School of Community Resources and Development and the Department of Recreation and Tourism Management offer a graduate program leading to the Ph.D. in community resources and development.

The Ph.D. in community resources and development is a theoretically grounded, research-intensive degree program designed to prepare graduates for research-oriented careers in higher education, governmental agencies, nonprofit organizations and private-sector businesses. The program is based on the concept of building sustainable and healthy communities as the unifying principle in the established focus areas of:

- Community studies.
- Nonprofit leadership and management.
- Parks, recreation and leisure.
- Tourism development and management.

The theoretical and methodological approaches embedded in this program serve to integrate scholarship in these areas, in order to gain a more meaningful understanding of, and impact on, community life and dynamics. The program is interdisciplinary in nature. The core faculty engaged in this program is housed in the School of Community Resources and Development at the Downtown Phoenix campus. In addition, the program builds on current collaborations with faculty with related research interests from many ASU departments, schools and centers.

Degree Requirements: 84 credit hours, a Written Comprehensive Exam, an Oral Comprehensive Exam, a Prospectus and a Dissertation.

Up to 30 hours from a previously awarded master's can count toward the doctoral requirements. All students are advised initially by the doctoral program director as a cohort. Students are required to take 24 credit hours of core course work, 15 hours of which are with the cohort, during the first year and six hours of which are with the cohort, during the second year. Students are assigned an individual advisor/mentor at the end of the first year of study. A supervisory committee is also formed at the end of the first year which reflects the interests of the student and faculty. Each student develops a program of study in consultation with the doctoral program coordinator, advisor and supervisory committee. Students complete at least 12 credit hours of elective course work, including courses from contributing disciplines, selected in consultation with their advisor to foster the interdisciplinary nature of the degree program. Students can also complete at least six hours of CRD 792 Research and 12 hours of CRD 799 Dissertation. When the majority of course work has been completed and before dissertation research is started, students must complete a written examination followed by an oral examination. These examinations must be completed within five years of admission.

Admission Requirements: Applicants must submit an online Graduate College application. Applications are reviewed by the admissions committee and recommendations for admission are then made by the graduate program director to the dean of the Graduate College. Minimum Graduate College requirements must be met. Additionally, each applicant must provide:

- A current and professional resume.
- A statement of academic and professional goals in sufficient detail to indicate compatibility with the educational objectives and capabilities of the doctoral program.
- GRE test scores.
- International applicants are also required to submit Test of English as a Foreign Language (TOEFL) scores and a financial guarantee statement.
- Three letters of recommendation are required. The letters may be a mix of academic and professional references, but each must address the applicant's capacity to successfully complete the doctoral program.

Admission recommendations are made only once a year, with admitted students beginning in the fall semester. To assure consideration for the ensuing fall semester, candidates should submit their application, graduate assistantship and tuition waiver by Feb. 1. Students applying to the program are expected to have a master's from an accredited institution which included a master's-level research methods and statistics class or classes. If deficiencies exist in community resource and development-related course work at the master's level, appropriate classes are suggested.

Contact Information:

Public Programs, College of
School of Community Resources and Development
<http://scrd.asu.edu>
UCENT 550
scrd@asu.edu
602-496-0550

Criminal Justice, MA (PPCRIMJMA)

Online Degree Search Title: Criminal Justice (MA)

Campus: DTPHX, ONLNE

Program Description: The M.A. in criminology and criminal justice is designed to provide criminal justice agency professionals with course work in criminology and the operation of the criminal justice system, and training in research methods and statistics. The degree program also provides students with advanced training in program planning and management, policy analysis and program evaluation.

Degree Requirements: 33 credit hours including a Capstone.

The program includes 12 credit hours of required core courses, a three-credit-hour capstone project and 18 credit hours of electives. Students can develop specializations in areas such as policing, corrections and management by combining required and elective course work.

Core Courses

- CRJ 501 Seminar in Criminal Justice (3)
- CRJ 502 Seminar in Criminology (3)
- CRJ 510 Criminal Justice Planning and Program Evaluation (3)
- CRJ 511 Applied Data Analysis in Criminal Justice (3)

Capstone Course

- CRJ 505 Theory and Practice in Criminal Justice (3)

Electives

Students select a minimum of 18 hours of elective course work. Students may take either 500-level or, with the permission of the instructor, 600-level courses.

- CRJ 512 Seminar on Policing

CRJ 513 Seminar on Courts and Sentencing
CRJ 514 Seminar in Corrections
CRJ 515 Seminar on Women and Crime
CRJ 516 Seminar in Criminal Justice Organization and Management
CRJ 517 Seminar on Juvenile Delinquency and Juvenile Justice
CRJ 518 Seminar on Race/Ethnicity, Crime and Justice
CRJ 519 Seminar on Victimization
CRJ 520 Seminar on Violent Crime and Criminal Behavior
CRJ 521 Seminar on the Nature of Crime
CRJ 522 Seminar on Gangs and Crime
CRJ 524 Seminar on Punishment and Society
CRJ 525 Seminar on Life-Course Criminology
CRJ 584 Internship
CRJ 598 Special Topics on Crime and Criminal Justice
CRJ 601 Seminar on Criminological Theory
CRJ 602 Seminar on Criminal Justice Policies and Practices
CRJ 603 Advanced Research Design
CRJ 605 Special Topics in Quantitative Methods
CRJ 606 Advanced Topics in Theoretical Criminology
CRJ 607 Advanced Topics in Policing
CRJ 608 Advanced Topics in Courts and Sentencing
CRJ 609 Advanced Topics in Corrections
CRJ 610 Advanced Topics in Juvenile Justice
CRJ 611 Advanced Topics in Crime and Victimization
CRJ 612 Advanced Topics in Race, Gender, Class, and Justice
CRJ 613 Qualitative Methods

Admission Requirements: Students must submit an online Graduate College application for admission, an official transcript from every university or institution attended and the application fee to the Graduate College. Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

The suggested application deadlines are April 1 for fall semester and November 1 for spring semester.

In addition to the application material required by the Graduate College, applicants must submit 1) two letters of recommendation, and 2) a personal statement that addresses the applicant's prior education and professional experience, discusses the applicant's career goals and explains how the degree will help the applicant achieve those goals. The personal statement is submitted online.

Attend Online: ASU offers this program in a fully online format-no face-to-face sessions required. We offer six enrollment sessions throughout the year, and you learn in accelerated, 7.5-week classes. View the program description and request more information here.
(<http://asuonline.asu.edu/degree-programs/graduate/master-arts-criminal-justice>)

Contact Information:

Public Programs, College of
School of Criminology and Criminal Justice
<http://ccj.asu.edu/degree-programs>
UCENT 600
Shannon.Stewart@asu.edu
602-496-2365

Criminology and Criminal Justice, MS (PPCRJMS)

Online Degree Search Title: Criminology and Criminal Justice (MS)

Campus: DTPHX

Program Description: The M.S. in criminology and criminal justice is a research degree designed to provide students with a high level of theoretical and empirical knowledge about crime and criminal justice. The program also is designed to provide students with the advanced research skills needed for careers as criminal justice researchers and continued study in doctoral programs in criminology or criminal justice. The degree consists of 24 credit hours of course work and a six-hour thesis.

Degree Requirements: 30 credit hours and a Thesis.

Required hours for this program includes 24 credit hours of course work and six credit hours of thesis. There are five required courses. Each student will write a thesis that reflects original research and scholarship, makes a contribution to knowledge in the field and demonstrates the ability to design and carry out an independent research project.

Core Courses

CRJ 501 Seminar in Criminal Justice (3)
CRJ 502 Seminar in Criminology (3)
CRJ 503 Research Methods for Criminal Justice (3)
CRJ 504 Statistical Tools for Criminal Justice (3)
CRJ 604 Advanced Statistical Analysis (3)

Electives

Choose three, in consultation with the supervisory committee, for a minimum of 9 hours of elective course work. Students may take either 500-level or, with the permission of the instructor, 600-level courses.

CRJ 510 Criminal Justice Planning and Program Evaluation
CRJ 511 Applied Data Analysis in Criminal Justice
CRJ 512 Seminar on Policing
CRJ 513 Seminar on Courts and Sentencing
CRJ 514 Seminar in Corrections
CRJ 515 Seminar on Women and Crime
CRJ 516 Seminar in Criminal Justice Organization and Management
CRJ 517 Seminar on Juvenile Delinquency and Juvenile Justice
CRJ 518 Seminar on Race/Ethnicity, Crime and Justice
CRJ 519 Seminar on Victimization
CRJ 520 Seminar on Violent Crime and Criminal Behavior
CRJ 521 Seminar on the Nature of Crime
CRJ 522 Seminar on Gangs and Crime
CRJ 524 Seminar on Punishment and Society
CRJ 525 Seminar on Life-Course Criminology
CRJ 584 Internship
CRJ 590 Reading and Conference*
CRJ 592 Research
CRJ 598 Special Topics on Crime and Criminal Justice
CRJ 601 Seminar on Criminological Theory
CRJ 602 Seminar on Criminal Justice Policies and Practices
CRJ 603 Advanced Research Design
CRJ 605 Special Topics in Quantitative Methods
CRJ 606 Advanced Topics in Theoretical Criminology
CRJ 607 Advanced Topics in Policing
CRJ 608 Advanced Topics in Courts and Sentencing
CRJ 609 Advanced Topics in Corrections
CRJ 610 Advanced Topics in Juvenile Justice
CRJ 611 Advanced Topics in Crime and Victimization
CRJ 612 Advanced Topics in Race, Gender, Class, and Justice
CRJ 613 Qualitative Methods

*A maximum of 3 hours of CRJ 590 may be included on the program of study.

Thesis (6)

Admission Requirements: Students must submit an online Graduate College application for admission, an official transcript from every university or institution attended, GRE scores and the application fee to the Graduate College.

The suggested application deadline is March 1 for fall semester.

Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

In addition to the application material required by the Graduate College, applicants must submit 1) two letters of recommendations, and 2) a personal statement that addresses the applicant's prior education and professional experience, discusses the applicant's career goals and explains how the degree will help the applicant achieve these goals.

Personal statement and letters of recommendation should be submitted online.

Contact Information:

Public Programs, College of
School of Criminology and Criminal Justice
<http://ccj.asu.edu/>
UCENT 600
sccj@asu.edu
602-496-2365

Criminology and Criminal Justice, PHD (PPCRJPHD)

Online Degree Search Title: Criminology and Criminal Justice (PhD)

Campus: DTPHX

Program Description: The School of Criminology and Criminal Justice at Arizona State University offers a program of course work and research leading to the Ph.D. in criminology and criminal justice. This program emphasizes criminal justice theory, research and policy. The program is designed to produce highly skilled criminology and criminal justice faculty and agency researchers and administrators.

The doctoral program is organized around five components:

- A comprehensive examination.
- A core of required courses in theory and research on crime and the criminal justice system.
- A core of required courses on research methods and analytical techniques.
- A dissertation.
- Elective courses in criminology, criminal justice and related fields.

Degree Requirements: 84 credit hours, a Written Comprehensive Exam, a Prospectus and a Dissertation.

The Ph.D. in criminology and criminal justice includes a minimum of 72 credit hours of course work and 12 credit hours (and only 12) of dissertation. A maximum of 30 credit hours of course work from a previously awarded master's or J.D. may, with the approval of the supervisory committee, be applied toward the doctoral program of study.

Each student is required to complete course work in two core areas. This includes six credit hours of course work in theory and research on crime and the criminal justice system and nine credit hours of course work on research methods and analytical techniques. Elective courses comprise the remainder of the course work required for the doctorate. All students must demonstrate proficiency in research design and quantitative/qualitative methods.

Core Courses

CRJ 601 Seminar on Criminological Theory (3)

CRJ 602 Seminar on Criminal Justice Policies and Practices (3)

CRJ 603 Advanced Research Design (3)

CRJ 604 Advanced Statistical Analysis (3)

CRJ 605 Special Problems in Quantitative Methods (3)

Electives

Choose a minimum of nine courses in consultation with the supervisory committee (27)

Dissertation (12)

Credit hours for course work from master's or J.D. (30)

Admission Requirements: Students must submit an online Graduate College application for admission, an official transcript from every university or institution from which a degree was awarded, GRE scores and the application fee to the Graduate College.

The application deadline is Feb. 1 for fall semester. Students are not admitted during the spring semester.

In addition to these basic requirements established by the Graduate College, the School of Criminology and Criminal Justice requires the following:

- A master's or a J.D. earned from an accredited institution. The master's may be a degree in criminal justice, criminology or another field (e.g., sociology, political science, history, social work, public administration, psychology or philosophy).
- Outstanding students with a bachelor's may be admitted directly into the doctoral program. These students' work will be reviewed after completion of 30 credit hours of graduate course work. Students whose work passes the review are awarded the master's in passing.
- Two letters of reference from faculty members or others qualified to evaluate the applicant's academic potential for doctoral study.
- A resume.
- A personal statement, not exceeding five pages, that describes the applicant's prior education, relevant professional experience, and career goals, and that explains how the doctorate in criminology and criminal justice will help the applicant attain the his or her career goals. The statement should explicitly explain how the student's plans are consistent with the role and mission of the School of Criminology and Criminal Justice at ASU.
- International students seeking admission to the program must meet ASU graduate faculty requirements governing the admission of international students, which can be found at <http://graduate.asu.edu/admissions/international> (<http://graduate.asu.edu/admissions/international>).

Personal statement and letters of recommendation should be submitted online.

Contact Information:

Public Programs, College of

School of Criminology and Criminal Justice

<http://ccj.asu.edu/>

UCENT 600

sccj@asu.edu

602-496-2365

Latino Cultural Competency in Social Work (certificate), CERT (PPSWGGRCL)

Online Degree Search Title: Latino Cultural Competency in Social Work (Grad Certificate)

Campus: DTPHX

Program Description: In response to the need, ASU through the College of Public Programs, School of Social Work, offers a graduate certificate in Latino cultural competency. The School of Social Work offers Latino-oriented courses with an emphasis on Spanish language development for professional social workers.

The goal of the program is to enhance a social worker professional's capacity for engaging in culturally grounded practice with Latino clients and their families.

The program is intended for the professional who wants to:

- Expand their employment potential by adding an expertise in professional services with Latinos.
- Learn the critical cross-cultural factors that influence a worker's competency in forming professional helping relationships with Latinos.
- Learn the social/cultural context and theoretical principles of social work practice with Latinos.
- Learn the social service delivery issues involved in providing services for bilingual and limited- or non-English-speaking Latino populations.

Degree Requirements: 15 credit hours.

Requirements:

- Completion of 480 hours of field practicum with Latino clients/communities (60 percent of case load is to be Spanish-speaking).
- Field practice, six credit hours of field practicum.
- Latino-oriented course work, six credit hours of Latino oriented course work. At least three hours are required to be taken from within the School of Social Work.
- Social work course work, three credit hours: diversity and oppression in a social work context.

For a community professional social worker and community worker, the Latino cultural competency graduate certificate requires 15 credit hours of course work.

Requirements:

- Field Practice, six credit hours of independent study field practice, completion of 480 hours of field practice with Latino clients/communities (60 percent of client caseload is to be Spanish-speaking). May petition to use place of employment.
- Latino-oriented course work, six semester hours of Latino-oriented course work. At least three hours are required to be taken from within the School of Social Work.
- Social work course work, three credit hours: diversity and oppression in a social work context, an M.S.W. or B.S.W. professional who has completed this course in the past five years may substitute this course with a Latino-oriented course.

Admission Requirements: Students interested in applying to this program must submit the online Graduate College application, transcripts (if not on file with ASU) and the Graduate College application fee. Applicants from a country whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency. In addition applicants are required to submit to the School of Social Work the School of Social Work Latino Cultural Competency Application form and the required \$50 application fee. No more than two certificate courses may be completed before applying for admission to the certificate program.

Option one, social work graduate student admissions requirements: graduate status in the College of Public Programs' School of Social Work and demonstrated proficiency in Spanish language.

Option two, community professional social worker admissions requirements: possess a M.S.W., B.S.W. or related master's degree and demonstrated proficiency in Spanish language.

Option three, community worker admissions requirements: the equivalency of a two-year work experience in the social service field, undergraduate degree, demonstrated proficiency in Spanish language.

Contact Information:

Public Programs, College of

School of Social Work

<http://ssw.asu.edu/>

UCENT 800

social.work@asu.edu

602-496-0800

Nonprofit Leadership and Management (certificate), CERT (PPNONPROCE)

Online Degree Search Title: NonProfit Leadership and Management (Grad Certificate)

Campus: DTPHX

Program Description: The graduate certificate in nonprofit leadership and management, offered through the College of Public Programs, is a graduate program that provides students with an understanding of the nonprofit sector's role in society and with the skills necessary for effective leadership and management of these organizations. The objective of this program is to provide students with professional skills needed by leaders in the nonprofit sector, including the understanding of the historical and philosophical context for nonprofit organizations in society, the management

of human resources (paid and volunteer), the theory and practice of philanthropy, financial management practices and other topical content areas.

Degree Requirements: 15 credit hours.

Three Required Courses (9)

NLM 510 Foundations of Nonprofit Management

NLM 520 Financial Management in Nonprofit Organizations

NLM 540 Volunteer and Human Resources in Nonprofit Organizations

Two Elective Courses (6)

Admission Requirements: All applicants must submit the Graduate College online application. Applicants from a country whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency. The program is available to students who are pursuing their graduate degree in a chosen field of study and who have expressed interest in pursuing careers in the nonprofit sector. In addition, the program is well suited for working professionals, who may be pursuing a graduate degree, but who wish to strengthen their skills and connections to the nonprofit community. All applicants must have two years of demonstrable nonprofit experience to obtain the graduate certificate. For more information, see the college website.

For U.S. Department of Education Gainful Employment Program Disclosure information, see

http://catalog.asu.edu/files/shared/GE_Disclosure_PPNONPROCE.pdf (http://catalog.asu.edu/files/shared/GE_Disclosure_PPNONPROCE.pdf).

Contact Information:

Public Programs, College of

School of Community Resources and Development

<http://nonprofit.asu.edu>

UCENT 500

nonprofit@asu.edu

602-496-0500

Nonprofit Studies, MNPS (PPNPSMNS)

Online Degree Search Title: Nonprofit Studies (MNpS)

Campus: DTPHX

Program Description: The M.Np.S. program is intended for professionals who work in or desire to work in the nonprofit sector. The degree program provides an opportunity to obtain an advanced degree that addresses the unique character of nonprofit organizations and the social sector. Students interested in nonprofit management and social sector organizations explore research, theory and the practice of management and leadership in the nonprofit sector.

Degree Requirements: 33 credit hours including a Capstone Course (NLM 620).

Students are required to take 18 credit hours of core course work, in which three hours are a capstone course that is completed at the end of the program of study. The capstone course is integrative and case-based, allowing students to synthesize material from prior course work. Successful completion of this course is required in place of a thesis or applied project.

Students complete 15 credit hours of related elective course work. Courses are selected from two contributing disciplines (public affairs and social work) to foster the interdisciplinary nature of the degree. Students may include two 3 credit hour courses not listed below as approved electives in their program of study as long as the student can establish an intellectual and professional development objective that substantiates the course selection.

NLM 510 Foundations in Nonprofit Management (3)

NLM 520 Financial Management in Nonprofit (3)

NLM 530 Program Evaluation and Information Management

NLM 540 Volunteer and Human Resource Management in Nonprofit (3)

NLM 550 Philanthropy: Theory and Practice (3)

NLM 620 Capstone: Critical Issues in Nonprofit Management (3)

Electives (15)

Admission Requirements: Potential applicants who hold a bachelor's degree from a regionally-accredited institution are eligible to apply.

Applications are accepted year-round and students are granted admission for fall, spring or summer semesters. Students must submit the following to apply for the M.Np.S.:

- Completed online application to the Graduate College.
- A curriculum vitae or resume.
- GRE scores.
- Statement of educational and career goals in sufficient detail to indicate compatibility with the educational objectives and capabilities of the school.
- Three reference letters.

Applicants whose junior/senior GPA is 3.00 or higher are eligible to apply for admission to the program. Certificate students who are interested in applying for the M.Np.S. program must apply to the degree program before the completion of nine credit hours in their certificate program. Applicants from a country whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Contact Information:

Public Programs, College of
School of Community Resources and Development
<http://nonprofit.asu.edu>
UCENT
nonprofit@asu.edu
602-496-0500

Public Administration, MPA (PPPADTMPA)

Online Degree Search Title: Public Administration (MPA) - Downtown Phoenix

Campus: DTPHX

Program Description: The M.P.A. is an interdisciplinary, professional degree program designed to prepare students for public service, public management and policy analysis at the local, state and national levels of government. The M.P.A. program is accredited by the National Association of Schools of Public Affairs and Administration.

Students may also elect to specialize in one of two of the approved M.P.A. concentrations, 1) urban management:

https://spa.asu.edu/programs/masters/urban_management (https://spa.asu.edu/programs/masters/urban_management), or 2) nonprofit administration: <https://spa.asu.edu/programs/masters/nonprofit> (<https://spa.asu.edu/programs/masters/nonprofit>).

The urban management concentration provides knowledge and skills for students seeking careers in local urban government management and enables students to develop the skills and techniques used by city and urban leaders and managers.

The concentration in nonprofit administration is intended for professionals who work in or desire to work in the nonprofit sector and who wish to explore research, theory and the practice of management and leadership in the nonprofit sector. In addition, the school offers a dual M.P.A./M.S.W. program (https://spa.asu.edu/programs/masters/mpa_msw (https://spa.asu.edu/programs/masters/mpa_msw)) with the School of Social Work.

Degree Requirements: 42 credit hours including a Capstone (PAF 509).

Students take 27 of these hours in nine core classes in the School of Public Affairs, and 15 additional hours in elective courses. No more than nine credit hours of ASU graduate courses taken before admission to the school and approved by the M.P.A./M.P.P. committee can be included in the program of study.

Students enrolling in core courses must demonstrate minimum competency in statistics and American government. Courses taken to fulfill the competency do not count toward the 42-hour degree program. Competency in statistics is met with a grade of "B" (3.00) or higher in an approved course (PAF 301 or 401, POS 401, PSY 230, QBA 221, SOC 390 or SWU 321) within the last two years or passing a diagnostic test approved by the M.P.A./M.P.P. committee. Other courses taken within the last two years may be substituted upon approval of the M.P.A./M.P.P. director. Competency in American government is met through an undergraduate class in American government (PAF 110, PAF 200, PAF 300, POS 310, PAF 340 or a similar course).

Admission Requirements: Applicants to the M.P.A. program are accepted year-round. Students may be granted admission for fall, spring and summer semesters.

All applicants must submit the following materials to the School of Public Affairs:

- Applicants may also submit a resume or other documents.
- Three letters of recommendation (at least two should be faculty who can evaluate applicant's academic performance), there is no form required for the letters of recommendation.
- Written statement of applicant's educational and career goals (this is also used as a sample of the applicant's writing abilities), and should be between one and two pages in length.

Mail materials to:

ASU School of Public Affairs
Mail Code 3720
411 N. Central Avenue, Ste. 400
Phoenix, AZ 85004-0687

All applicants must submit the following materials to the ASU Graduate College:

- An official ASU Graduate online application.
- Application fee.
- International applicants must also submit acceptable TOEFL scores or IELTS scores.
- Official transcripts of all undergraduate and graduate work.
- Scores on the GRE (verbal, quantitative, analytical).

Send transcripts to:
Arizona State University
Graduate College Admissions
Interdisciplinary Building, B-Wing, Room 170
P.O. Box 871003
Tempe, AZ 85287-1003

Contact Information:

Public Programs, College of
School of Public Affairs
<http://spa.asu.edu/programs/masters/mpa>
UCENT 400
spa@asu.edu
602-496-0450

Public Administration, PHD (PPPUBADPHD)

Online Degree Search Title: Public Administration (PhD)

Campus: DTPHX

Program Description: The School of Public Affairs offers a graduate program leading to the Ph.D. in public administration.

The Doctor of Philosophy (Ph.D.) in public administration is a theoretically grounded research degree designed to prepare students for an academic career. The degree is also appropriate for practitioners who want to conduct high level research and policy development in public and nonprofit agencies, foundations, and research institutes.

Our goal is to develop well-rounded, independent scholars who are grounded in the classic and current literatures of public administration and public policy, skilled in research methods, and ready to make a positive and important contribution to the field through teaching and research. We provide a balanced curriculum to ensure mastery of core ideas and materials, as well as the opportunity to develop specialized expertise in two specific subfields as determined by the student and his or her committee. These subfields can focus on any area related to public administration and public policy and can draw on faculty expertise from across the ASU campus. The Ph.D. in public administration with an urbanism concentration permits students to draw upon the extensive resources in urban affairs at ASU. As a result, upon graduation, our doctoral students are poised for success as productive and active scholars, researchers and teachers.

Degree Requirements: 96 credit hours, a Written Comprehensive Exam, an Oral Comprehensive Exam, a Prospectus and a Dissertation.

Students must have a Master of Public Administration or Master of Public Policy degree.

Other master's degree may qualify, although students are required to cover certain prerequisite courses. The program consists of a minimum of 96 credit hours of graduate work with 30 of the 96 hours being satisfied by the student's master's degree. The remaining 66 hours are composed of 42 hours of graduate course work, 12 hours of dissertation, and 12 hours of research.

Students are required to complete course work in two areas of specialization. These specializations are developed in consultation with the student's plan of study committee and can focus on a variety of topics related to public administration and public policy. Students may work with faculty from other departments, if appropriate, to complete their specializations.

As an alternative, students may opt for the urbanism concentration.

Admission Requirements: All applicants are expected to have completed graduate level statistics and research methods classes before admission. Applicants also are expected to have sufficient formal course work in public administration to pursue doctoral study in the field. Admitted students may be required to take deficiency courses as specified by the admissions committee before beginning the doctoral core classes.

Applicants are admitted for fall only. Admission is competitive; a limited number of well-qualified applicants will be admitted each year. A completed application packet is due by Jan. 15.

All applicants must submit the following materials to the ASU Graduate College:

- An official online ASU Graduate application.
- Application fee.
- International students must submit Test of English as a Foreign Language (TOEFL) and Test of Spoken English (TSE) scores to be considered for admission. This is true even for those who have a master's degree from a U.S. university. To be considered for admission, the minimum score on the traditional TOEFL test is 600. Applicants with TOEFL scores below 600 or who do not submit a TSE score (or Internet-based TOEFL) will not be admitted. Only test scores from within the past five years will be accepted.
- Official transcripts of all undergraduate and graduate work.
- Scores on the GRE (verbal, quantitative, analytical).

Send transcripts to:
Arizona State University
Graduate College
Interdisciplinary Building, B-Wing, Room 170
P.O. Box 871003
Tempe, AZ 85287-1003

In addition to the above, applicants submit the following materials directly to the Ph.D. program:

A current resume or curriculum vitae.

- Three letters of recommendation. These should be primarily academic letters. All letters should address the candidate's capacity to successfully complete the doctoral program. They should assess the student's capacity for critical and analytic thought, their ability to communicate effectively, both orally and in writing and their commitment to completion of the program.

- Samples of research reports and/or papers (optional).

- A written statement of your areas of interest and your educational and career goals. You have the option of including the names of one to three ASU faculty members and why their research is of interest to you. Your specific choices will not affect admission and you will not be committed to working with these faculty members, but your choices are another way of indicating your interests.

Mail materials to:

ASU School of Public Affairs
Mail Code 3720
411 N. Central Avenue, Ste. 400
Phoenix, AZ 85004-0687

Contact Information:

Public Programs, College of
School of Public Affairs
<http://spa.asu.edu/programs/doctoral/phd>
UCENT 400
spa@asu.edu
602-496-0450

Public Administration (Nonprofit Administration), MPA (PPNONPRMPA)

Online Degree Search Title: Public Administration (NonProfit Administration) (MPA)

Campus: DTPHX

Program Description: The M.P.A. is an interdisciplinary, professional degree program designed to prepare students for public service, public management, and policy analysis at the local, state and national levels of government. The M.P.A. program is accredited by the National Association of Schools of Public Affairs and Administration.

The concentration in nonprofit administration is intended for professionals who work in or desire to work in the nonprofit sector and who wish to explore research, theory, and the practice of management and leadership in the nonprofit sector.

Degree Requirements: 42 credit hours including a Capstone (PAF 509).

Students take 24 of these hours in eight core classes in the School of Public Affairs, 12 hours in concentration courses, and six additional elective hours. No more than nine credit hours of ASU graduate courses taken before admission to the school and approved by the M.P.A./M.P.P. committee can be included in the program of study.

Students enrolling in core courses must demonstrate minimum competency in statistics and American government. Courses taken to fulfill the competency do not count toward the 42-hour degree program. Competency in statistics is met with a grade of "B" (3.00) or higher in an approved course (PAF 301 or 401, POS 401, PSY 230, QBA 221, SOC 390 or SWU 321) within the last two years or passing a diagnostic test approved by the M.P.A./M.P.P. committee. Other courses taken within the last two years may be substituted upon approval of the M.P.A./M.P.P. director. Competency in American government is met through an undergraduate class in American government (PAF 110, PAF 200, PAF 300, POS 310, PAF 340) or a similar course.

Admission Requirements: Applicants to the M.P.A. program are accepted all year. Students may be granted admission for fall, spring and summer semesters.

All applicants must submit the following materials to the School of Public Affairs:

- Applicants may also submit a resume or other documents.
- Three letters of recommendation; at least two should be faculty who can evaluate applicant's academic performance. There is no form required for the letters of recommendation.
- Written statement of applicant's educational and career goals, and should be between one and two pages in length. This is also used as a sample of the applicant's writing abilities.

Mail materials to:

ASU School of Public Affairs
Mail Code 3720
411 N. Central Avenue, Ste. 400
Phoenix, AZ 85004-0687

All applicants must submit the following materials to the ASU Graduate College:

- An official online ASU Graduate application.
- Application fee.

- International applicants must also submit acceptable Test of English as a Foreign Language (TOEFL) scores or International English Language Testing System (IELTS) scores.
- Official transcripts of all undergraduate and graduate work.
- Scores on the GRE (verbal, quantitative, analytical).

Send transcripts to:

Arizona State University
 Graduate College
 Admissions
 Interdisciplinary Building, B-Wing, Room 170
 P.O. Box 871003
 Tempe, AZ 85287-1003

Contact Information:

Public Programs, College of
 School of Public Affairs
<http://spa.asu.edu/>
 UCENT 400
 spa@asu.edu
 602-496-0450

Public Administration (Urban Management), MPA (PPPAFUMPA)

Online Degree Search Title: Public Administration (Urban Management) (MPA)

Campus: DTPHX

Program Description: The M.P.A. is an interdisciplinary, professional degree program designed to prepare students for public service, public management and policy analysis at the local, state and national levels of government. The M.P.A. program is accredited by the National Association of Schools of Public Affairs and Administration.

The urban management concentration provides knowledge and skills for students seeking careers in local urban government management and enables students to develop the skills and techniques used by city and urban leaders and managers.

Degree Requirements: 42 credit hours including a Capstone Course (PAF 509).

M.P.A. students pursuing the urban management concentration take 27 hours in nine core classes in the School of Public Affairs, 12 hours in four concentration classes, and three hours in one approved elective course. No more than nine credit hours of ASU graduate courses taken before admission to the school and approved by the M.P.A./M.P.P. committee can be included in the program of study.

Students enrolling in core courses must demonstrate minimum competency in statistics and American government. Courses taken to fulfill the competency do not count toward the 42-hour degree program. Competency in statistics is met with a grade of "B" (3.00 on a 4.00 scale) or higher in an approved course (PAF 301 or 401, POS 401, PSY 230, QBA 221, SOC 390 or SWU 321) within the last two years or passing a diagnostic test approved by the M.P.A./M.P.P. committee. Other courses taken within the last two years may be substituted upon approval of the M.P.A./M.P.P. director.

Competency in American government is met through an undergraduate class in American government (PAF 110, PAF 200 PAF 300, POS 310, PAF 340, or a similar course).

Admission Requirements: Applicants to the M.P.A. program are accepted year-round. Students may be granted admission for fall, spring and summer semesters.

All applicants must submit the following materials to the School of Public Affairs:

- Applicants may also submit a resume or other documents.
- Three letters of recommendation. At least two should be faculty who can evaluate applicant's academic performance. There is no form required for the letters of recommendation.
- Written statement of applicant's educational and career goals, between one and two pages in length. This is also used as a sample of the applicant's writing abilities.

Mail materials to:

ASU School of Public Affairs
 Mail Code 3720
 411 N. Central Avenue, Ste. 400
 Phoenix, AZ 85004-0687

All applicants must submit the following materials to the ASU Graduate College:

- An official online ASU graduate application.
- Application fee.
- International applicants must also submit acceptable Test of English as a Foreign Language (TOEFL) scores or IELTS scores.
- Official transcripts of all undergraduate and graduate work.

- Scores on the GRE (verbal, quantitative, analytical).

Send transcripts to:

Arizona State University

Graduate College

Interdisciplinary Building, B-Wing, Room 170

P.O. Box 871003

Tempe, AZ 85287-1003

Contact Information:

Public Programs, College of

School of Public Affairs

https://spa.asu.edu/programs/masters/urban_management

UCENT 400

spa@asu.edu

602-496-0450

Public Administration (Urbanism), PHD (PPPAURBPHD)

Online Degree Search Title: Public Administration (Urbanism) PHD

Campus: DTPHX

Program Description: The School of Public Affairs offers a graduate program leading to the Ph.D. in public administration.

The Doctor of Philosophy (Ph.D.) in public administration is a theoretically grounded research degree designed to prepare students for an academic career. The degree is also appropriate for practitioners who want to conduct high level research and policy development in public and nonprofit agencies, foundations, and research institutes.

Our goal is to develop well-rounded, independent scholars who are grounded in the classic and current literatures of public administration and public policy, skilled in research methods, and ready to make a positive and important contribution to the field through teaching and research. We provide a balanced curriculum to ensure mastery of core ideas and materials, as well as the opportunity to develop specialized expertise in two specific subfields as determined by the student and his or her committee. These subfields can focus on any area related to public administration and public policy and can draw on faculty expertise from across the ASU campus. The Ph.D. in public administration with an urbanism concentration permits students to draw upon the extensive resources in urban affairs at ASU. As a result, upon graduation, our doctoral students are poised for success as productive and active scholars, researchers and teachers.

The concentration in urbanism is a mechanism for organizing varied perspectives on urbanism into a collective body of scholarship. The study of public administration is enriched by grounding it in a comprehensive understanding of the characteristics of urban context and the dynamic forces that shape them.

The concentration in urbanism leverages the varied interests in urbanism and help emerging scholars as they attempt to compare, contrast and take stock of urbanism. Working with faculty from across a range of departments and programs at ASU, doctoral students will be able to capture the creative tensions that scholarship on urbanism has inspired in order to stimulate a provocative, constructive kind of inquiry.

Degree Requirements: 96 credit hours, a Written Comprehensive Exam, an Oral Comprehensive Exam, a Prospectus and a Dissertation.

Students must have a Master of Public Administration or Master of Public Policy degree. Other master's degree may qualify, although students are required to cover certain prerequisite courses. The program consists of a minimum of 96 credit hours of graduate work with 30 of the 96 hours being satisfied by the student's master's degree. The remaining 66 hours are composed of 42 hours of graduate course work, 12 hours of dissertation, and 12 hours of research.

Students are required to complete course work in two areas of specialization. Twelve hours are completed in urbanism courses. A second specialization of nine hours is also completed. These specializations are developed in consultation with the student's plan of study committee and can focus on a variety of topics related to public administration and public policy. Students may work with faculty from other departments, if appropriate, to complete their specializations.

Admission Requirements: Applicants must apply to the Graduate College for admission to the urbanism concentration program under the Ph.D. in public administration and meet the Graduate College criteria as well as Ph.D. program criteria for admission. The successful candidate for admission to the Ph.D. program has a M.P.A. or M.P.P. Other master's degree may qualify, although students are required to cover certain prerequisite courses. The additional expectation for admission to the concentration is a strong interest in urban affairs as indicated in the applicant's written statement of educational and career goals.

Applicants are admitted for fall only. Admission is competitive; a limited number of well-qualified applicants will be admitted each year. A completed application packet is due by Jan. 15.

All applicants must submit the following materials to the ASU Graduate College:

- An official online ASU Graduate application.
- Application fee.
- International students must submit Test of English as a Foreign Language (TOEFL) and Test of Spoken English (TSE) scores to be considered for admission. This is true even for those who have a master's degree from a U.S. university. To be considered for admission, the minimum score on the traditional TOEFL test is 600. Applicants with TOEFL scores below 600 or who do not submit a TSE score (or Internet-based TOEFL) will not be admitted. Only test scores from within the past five years will be accepted.

- Official transcripts of all undergraduate and graduate work.
- Scores on the GRE (verbal, quantitative, analytical).

Send transcripts to:

Arizona State University
 Graduate College
 Interdisciplinary Building, B-Wing, Room 170
 P.O. Box 871003
 Tempe, AZ 85287-1003

In addition to the above, applicants submit the following materials directly to the Ph.D. program:

- A current resume or curriculum vitae.
- A written statement of your areas of interest and your educational and career goals. You have the option of including the names of one to three ASU faculty members and why their research is of interest to you. Your specific choices will not affect admission and you will not be committed to working with these faculty members, but your choices are another way of indicating your interests.
- Samples of research reports and/or papers (optional).
- Three letters of recommendation. These should be primarily academic letters. All letters should address the candidate's capacity to successfully complete the doctoral program. They should assess the student's capacity for critical and analytic thought, their ability to communicate effectively, both orally and in writing and their commitment to completion of the program.

Mail materials to:

ASU School of Public Affairs
 Mail Code 3720
 411 N. Central Avenue, Ste. 400
 Phoenix, AZ 85004-0687

Contact Information:

Public Programs, College of
 School of Public Affairs
<https://spa.asu.edu/programs/doctoral/phd/urbanism>
 UCENT 400
 spa@asu.edu
 602-496-0450

Public Policy, MPP (PPPUBPMPP)

Online Degree Search Title: Public Policy (MPP)

Campus: DTPHX

Program Description: The M.P.P. program allows students to approach the study of public policy with a focus on public policy in the urban setting. The M.P.P. program prepares students for professional careers as policy analysts and leaders in public service involved in the formulation, approval, implementation and evaluation of public policy at all levels of government and in the private and nonprofit sectors. It can also serve as a platform for preparation for doctoral studies in public policy, public administration, urban studies or other related programs. Students learn analytical techniques and conceptual frameworks for understanding policy issues and identifying potential solutions and applying these skills to real-world issues (especially relating to the needs of cities in the region). Students also gain an understanding of policies addressing issues such as poverty, education, the environment and public safety.

Degree Requirements: 42 credit hours including a Capstone (PAF 509 or PAF 579).

Course work includes 11 required core courses and three elective courses. Students can elect to take either PAF 571 GIS and Analysis or PAF 572 Urban Demography as one of their core courses. The course not used for the core may be used as an elective. Students are required to complete a three-semester hour capstone course which will be an integrative, client-based applied project course. Students take this in their final semester after completion of all other required core courses. This culminating experience is required in place of a thesis.

Admission Requirements: Applications to the M.P.P. program are accepted year-round. Students may be granted admission for fall, spring and summer semesters. Potential applicants who hold a bachelor's degree from a regionally accredited institution in a related field are eligible to apply to the program.

The following entry-level competencies are needed for admission to the program: an undergraduate social statistics course along with undergraduate course work in microeconomics, including coverage of market failure and public goods. Competency in statistics is met with a grade of "B" (3.00 on a 4.00 scale) or higher in approved courses (PAF 301 or 401, POS 401, PSY 230, QBA 221, SOC 390) within the past two years or passing a diagnostic test approved by the M.P.A./M.P.P. committee. Other courses taken within the last two years may be substituted upon approval of the M.P.A./M.P.P. director.

Competency in microeconomics is met through earning a "B" (3.00 on a 4.00 scale) or higher in an undergraduate course in microeconomics (like PAF 201), PAF 504 Public Affairs Economics, or a similar course.

All applicants must submit the following materials to the School of Public Affairs:

- Applicants may also submit a resume or other documents.
- Three letters of recommendation; at least two should be faculty who can evaluate applicant's academic performance. There is no form required for the letters of recommendation.
- Written statement of applicant's educational and career goals, and should be between one and two pages in length. This is also used as a sample of the applicant's writing abilities.

Mail materials to:

ASU School of Public Affairs
 Mail Code 3720
 411 N. Central Avenue, Ste. 400
 Phoenix, AZ 85004-0687

All applicants must submit the following materials to the ASU Graduate College:

- An official online ASU Graduate application.
- Application fee.
- International applicants must also submit acceptable Test of English as a Foreign Language (TOEFL) scores or IELTS scores.
- Official transcripts of all undergraduate and graduate work.
- Scores on the GRE (verbal, quantitative, analytical).

Send transcripts to:

Arizona State University
 Graduate College
 Interdisciplinary Building, B-Wing, Room 170
 P.O. Box 871003
 Tempe, AZ 85287-1003

Contact Information:

Public Programs, College of
 School of Public Affairs
<https://spa.asu.edu/programs/masters/mpp>
 UCENT 400
 spa@asu.edu
 602-496-0450

Recreation and Tourism Studies, MS (PPRECDTMS)

Online Degree Search Title: Recreation and Tourism Studies (MS)

Campus: DTPHX

Program Description: The M.S. in recreation and tourism studies is offered by the School of Community Resources and Development. The M.S. program prepares students to analyze and understand critical topics and issues pertinent to the field of recreation, parks, and tourism planning, development and management.

Students choose between two academic options: the thesis or the professional option.

Degree Requirements: 30 credit hours and a Thesis, or 36 credit hours and a Master's Research Paper.

Completion of the M.S. in recreation and tourism studies on the average requires two years of study. Students may select a thesis or professional option. The thesis option is a research-oriented degree and is recommended for students planning to continue graduate studies beyond the master's degree. The professional option is intended for students seeking additional knowledge and expertise relevant to professional career development. Advising and direction in both options are under the direct supervision of an assigned faculty member.

Program Requirements: Thesis Option

The thesis option consists of a minimum of 30 credit hours, including six hours of thesis (REC 599), which must be defended in an oral examination before a supervisory committee of at least three faculty members, one of whom resides in another department.

REC 500 Research Methods (3)

REC 502 Statistical and Data Analysis (3)

REC 552 Critical Issues in Recreation and Tourism (3)

REC 555 Social Scientific Perspectives in Recreation and Tourism (3)

Advanced inquiry skills (3)

Electives (9)

Thesis (6)

Program Requirements: Professional Option

The professional option consists of 36 credit hours, including six hours of practicum (REC 580). A signed affiliation agreement is required to be on file with the graduate coordinator before registration. The purpose of the 300-hour practicum is to provide graduate students with in-depth, agency-based professional experiences. The student committee consists of two school faculty members and one community/agency professional. At the

end of the practicum, the student is required to submit a written description and analysis of the project and to present the results to the committee.

REC 500 Research Methods (3)
REC 502 Statistical and Data Analysis (3)
REC 530 Recreation and Tourism Service Management (3)
REC 552 Critical Issues in Recreation and Tourism (3)
REC 555 Social Scientific Perspectives in Recreation and Tourism (3)
REC 580 Practicum (6)
Electives (15)

Admission Requirements: Students applying to the M.S. program must have achieved a GPA of 3.00 or the equivalent in the last two years of work leading to the bachelor's degree. Applicants should submit to the Graduate College by March 1 to be considered for fall admission or October 1 for spring admission:

- All undergraduate transcripts.
- An online Graduate College application.
- Application fee.
- A statement of professional and academic goals.
- GRE scores.
- Three letters of recommendation.

Applicants from a country whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Students should submit to the graduate program coordinator by March 1 to be considered for fall admission or October 1 for spring admission:

- A current resume.
- A statement of professional and academic goals.
- Three letters of recommendation.

Only complete application files are reviewed or considered for admission. Students without undergraduate academic work in the recreation/tourism disciplines are required to take six credit hours of deficiency course work in addition to the M.S. requirements. Deficiency course work may be taken in conjunction with M.S. classes.

Contact Information:

Public Programs, College of
School of Community Resources and Development
<http://scrd.asu.edu>
UCENT 550
scrd@asu.edu
602-496-0550

Social Entrepreneurship and Community Development (certificate), CERT (PPSECDGRCT)

Online Degree Search Title: Social Entrepreneurship and Community Development (Graduate Cert)

Campus: ONLNE

Program Description: The social entrepreneurship and community development graduate certificate provides a framework for harnessing social entrepreneurial and enterprise opportunities, creating transformative responses to challenges prevalent in societies and communities. With grounding in nonprofit and social sectors, this transdisciplinary program combines social entrepreneurship with innovative community development, providing a basis for exploring capacity-building, and fostering positive change for organizations, corporations, societies and economies. Consisting of 15 credit hours of graduate credit coursework, the certificate is designed for both policy- and entrepreneurship-oriented students across disciplines and includes a hands-on portfolio component.

Degree Requirements: 15 credit hours including the required course (NLM 593) and an Applied Project.

- Required credit hours (9)
- Elective credit hours (6)
- Applied project credit hours (NLM 593) (3)

Admission Requirements: All applicants must complete the Graduate College online application. A bachelor's degree from a regionally accredited college or university recognized by ASU is required with a minimum of a 3.00 cumulative GPA (scale is 4.00=A) in the last 60 hours of the program. Eligibility for admission to the Graduate College.

A TOEFL score is required from any applicant whose native language is not English. Please visit

http://graduate.asu.edu/admissions/international/english_proficiency (http://graduate.asu.edu/admissions/international/english_proficiency) for more information.

Attend Online: ASU offers this program in a fully online format-no face-to-face sessions required. We offer six enrollment sessions throughout the year, and you learn in accelerated, 7.5-week classes.

Contact Information:

Public Programs, College of
School of Community Resources and Development
<http://scrd.asu.edu/>
UCENT 550
nonprofit@asu.edu
602-496-0153

Social Work, MSW (PPSWDMSW)

Online Degree Search Title: Tucson / Downtown Phoenix - Social Work - Standard Program (MSW)

Campus: DTPHX, WEST

Program Description: The professional program leading to the M.S.W. prepares social workers for advanced direct practice or planning, administration and community practice. The program is designed to prepare social workers to be capable of responding effectively to the needs of special populations in the Southwest. The M.S.W. program is accredited by the Council on Social Work Education.

Degree Requirements: 45 credit hours and a Portfolio, or 45 credit hours and a Thesis, or 45 credit hours including a Capstone Course (SWG 621), or 60 credit hours and a Portfolio (MSW/MPA dual degree), or 60 credit hours and a Thesis (MSW/MPA dual degree), or 60 credit hours and an Applied Project, or 60 credit hours including a Capstone Course (SWG 621) (MSW/MPA dual degree).

Students begin the standard M.S.W. program in the fall and it may be completed within four semesters (full-time) or six semesters (part-time). It is a 45-60 credit hour program, including both classroom and field instruction. It is divided into a foundation year (30 credit hours core curriculum) taken by all students and a concentration (30 credit hours).

The foundation year includes basic courses in clinical practice, organizational and community change, social policy, human behavior and research. Students are required to complete two internships, 1) a foundation field placement (480 hours), and 2) a concentration field placement (480 hours) in a different setting.

In the concentration year students select one of the following concentrations, 1) Advanced Direct Practice or 2) Planning, Administration and Community Practice.

Some of the required planning, administration and community practice courses are only available at the Downtown Phoenix campus.

Students who select the advanced direct practice concentration also select one of the following three specializations:

- Children, youth and families.
- Health, behavioral health.
- Public child welfare.

All specializations may not be available in Tucson.

Admission Requirements: Applications to the standard M.S.W. program are accepted from Nov. 1 to March 1, or for priority review by Feb. 1, preceding the fall semester to which the applicant is seeking admission. Applicants admitted to the standard M.S.W. program begin classes in the fall.

Applicants for the standard M.S.W. program must submit the following to the School of Social Work:

- A professional resume that includes volunteer and paid work experience. A minimum of 120 hours of volunteer/work experience in social services during a 6-month period within the past 5 years is required.
- A School of Social Work application form.
- A statement of educational and career goals.
- Three letters of reference. A combination of academic and professional references is desirable. References from friends, family members or personal therapists are not accepted.
- Standards of Ethical and Professional Behavior

All social work application materials are available on the school's website.

In addition, all applicants must apply to the Graduate College. Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Test scores from either the GRE or the Miller Analogies test are required only if the applicant's junior/senior GPA was below a 3.20 (on a 4.00 scale).

The School of Social Work requires one of the following:

- An undergraduate degree, with 30 credit hours in liberal arts courses at the undergraduate or graduate level.
- A B.S.W. from a Council on Social Work Education (CSWE) accredited school of social work.

- A liberal arts undergraduate degree.

All students are required to successfully complete a course in human biology before enrollment in the graduate program and a course in statistics either by Dec. 31 or before registering for SWG 519.

Part-time Program

Students are admitted each fall to a planned part-time program. Students interested in this option must specifically apply to the part-time program and complete it in accordance with the plan developed to finish the degree in three years.

Transfer Credit

Upon recommendation of the admissions committee, the first year of graduate study (up to 30 graduate credit hours) earned at another CSWE accredited school of social work may be transferred and applied toward the M.S.W. at ASU. Under these circumstances, the student must complete the second full year of graduate study (at least 30 credit hours of graduate work) at ASU. Transfer work must have been completed within three years of the semester and year of admission to the M.S.W. program at ASU with a grade of "B" (3.00) or better.

Exemption and Waiver Examinations

The number of hours required to complete the Standard M.S.W. ranges from 45 to 60 credit hours. In addition to transferring in credit, admitted students may meet requirements of up to 15 hours of credit toward the degree by 1) exempting up to 15 hours of foundation course work without examination, or 2) successfully completing examinations in SWG 501, 502 or 519. Only students from B.S.W. programs accredited by the CSWE can be considered for exemptions.

Contact Information:

Public Programs, College of

School of Social Work

<http://ssw.asu.edu/>

UCENT 800

social.work@asu.edu

602-496-0800

Social Work, PHD (PPSW2PHD)

Online Degree Search Title: Downtown Phoenix - Social Work (PhD)

Campus: DTPHX

Program Description: The purpose of the doctoral program is to prepare future social work scholars. While there are many possible definitions of scholarship, the Arizona State University School of Social Work adheres to a broad definition.

A scholar in social work engages in research, teaching and service. The program introduces students to the complex range of roles and responsibilities of faculty and other social work roles of leadership. Critical thinking and creativity in research, teaching and service are at the core of our program.

Given the cultural and economic diversity of the Southwest, the program also strives to elaborate the human potential embedded in our region's distinct experiences and perspectives. The university offers opportunities for scholarship integrating diverse cultural experiences such as those offered through specialized programs, including American Indian studies and Chicana and Chicano studies, African and African American studies and Asian Pacific American studies. We hope our graduates will play key roles in integrating diversity in their social welfare activities with local, state and regional groups.

The program emphasizes enhancement of scholarship through:

- Applied social work research in diverse community settings and populations of the Southwest.
- Participation in collegial decision making.
- Participation in field education and community services.
- Teaching, from syllabus development to classroom teaching across the professional continuum.

Students are expected to participate fully in research teaching and field liaison activities during their course of studies.

Degree Requirements: 84 credit hours, a Written Comprehensive Exam, a Prospectus and a Dissertation.

The doctoral program requires that a student take a minimum of 36 course credit hours beyond the M.S.W. and 84 beyond the bachelor's. Students may need to take additional course work to achieve the competency requirements set by the program or set by their graduate supervisory committees. Students must also take a minimum of 24 credit hours of dissertation related research (12 hours of SWG 792 and 12 hours of SWG 799).

Residency

Within the first year of matriculation, all students must complete the School of Social Work residency requirement (a minimum of nine credit hours in each semester of consecutive fall/spring or spring/fall semesters excluding summers).

Foreign Language Requirement

None.

Qualifying Examination

Students are given a qualifying examination in the semester following the completion of the first 18 hours of approved doctoral course work.

Students who fail the examination may retake it the following semester. Students failing the qualifying examination twice will be dropped from the program.

Comprehensive Examination

Upon completion of course work and the qualifying examination, but before beginning dissertation research, students are given a written examination covering research, theory and methods in their substantive areas. If students should fail one or more components of the examination, a reexamination may be administered no sooner than three months and no later than one year from the date of the original examination. Approval of the reexamination must be obtained from the supervisory committee and dean of graduate studies.

Research and Dissertation Requirements

Each candidate must register for a minimum of 12 hours of research credit (SWG 792) and 12 hours of dissertation credit (SWG 799).

Final Examination

The final oral examination in defense of the dissertation is scheduled and conducted by the student's dissertation committee. A candidate must pass the final examination within five years after completing the comprehensive examination.

The following courses are required:

- Nine hours of directed electives in an identified and chair-approved substantive area of which no more than three of these hours may be used in readings and conference or independent study courses.
- Three hours of theory course in a social science discipline.
- Twelve hours of required 700-level social work courses approved by the doctoral program committee.
- Twelve hours of research methods and statistics courses selected from an approved list provided by the doctoral program committee.

Once the minimum 36 credit hours are completed, students are also required to register for 24 hours of dissertation research credit, SWG 792 before proposal defense and SWG 799 after. Students must be registered for at least one credit hour during the semester (including summer) when they do their dissertation proposal defense. At least one of the dissertation hours must be taken in the semester the student expects to defend his or her dissertation.

Admission Requirements: Admission to the Ph.D. program in the School of Social Work is based on the following criteria:

- An M.S.W. from an accredited school of social work, preferably with two or more years of post-M.S.W. employment in human services. Though an M.S.W. is preferred, exceptions may be made for students with a B.S.W. from an accredited school of social work and a master's in a related field and for students from countries without accreditation.
- Experience in social work teaching or research and other scholarly activities.
- Experience with diverse populations.
- Goodness-of-fit with program goals.
- Good professional standing.
- Undergraduate and graduate GPA.
- Quality and extensiveness of social work experience.
- Research potential and creativity as demonstrated in requested essays and references.
- Scores of the GRE, with emphasis on verbal and analytic scores.

Admission to the doctoral program requires completion of all admission requirement and procedures set forth by the Graduate College. Applications are accepted up to Feb. 1 preceding the fall semester to which the applicant is seeking admission.

All Ph.D. program applicants must submit the following to the School of Social Work:

- An application to the doctoral program in social work.
- A writing sample/social problem essay.
- Examples of written work (students may submit samples of their professional and/or academic writing).
- Three letters of recommendation on the forms provided by the School of Social Work.
- Standards of Ethical and Professional Behavior.

All social work application materials are available on the School's website.

In addition, all applicants must submit the following to the Graduate College:

- A completed online Graduate College application.
- An official transcript of all academic work completed or in progress.
- International students whose native language is not English must satisfy English proficiency requirements.
- The application fee.

Contact Information:

Public Programs, College of
School of Social Work
<http://ssw.asu.edu/>
UCENT 800
social.work@asu.edu
602-496-0800

Social Work (Advanced Direct Practice), MSW (PPAPDTMSW)

Online Degree Search Title: Downtown Phoenix - Social Work - Advanced Direct Practice (MSW)

Campus: DTPHX

Program Description: The professional program leading to the M.S.W. program prepares social workers for advanced direct practice. The program is designed to prepare social workers who are capable of responding effectively to the needs of special populations in the Southwest. This program is located at the Downtown Phoenix campus and in Tucson. It is accredited by the Council on Social Work Education.

Degree Requirements: 36 credit hours and a Thesis, or 39 credit hours and a Thesis, or 39 credit hours including a Capstone Course (SWG 621). Students must start the program in summer (beginning with the first summer session) and complete three credit hours in each 5 week summer session and three credit hours (a one-credit-hour Bridge Field Seminar and two credit hours of practicum) during the eight-week session, for a total of nine credit hours. The seven credit hours of summer courses are offered in Phoenix only. The summer practicum is available in Tucson. The remainder of the program is completed within two semesters (full time).

Students continue with their practicum during the fall and spring semesters and select one of three specializations: children, youth, and families health; behavioral health; or public child welfare. Not all of these specializations may be offered in Tucson. Students must also complete a capstone course.

Summer Session Course Work

SWG 598 ST: Advanced Standing Bridge Seminar I (3)

SWG 598 ST: Advanced Standing Bridge Seminar II (3)

SWG 598 ST: Bridge Field Seminar (1)

SWG 580 Practicum (2)

The following specialization courses are required:

Children, Youth and Families

SWG 606 Assessment of Mental Disorders (3)

SWG 608 Ecological Approach to Practice with Children, Youth and Families (3)

SWG 619 Practice-Oriented Research (3)

SWG 617 Advanced Social Work Practice with Children and Adolescents (3)

SWG 621 Integrative Seminar

SWG 641 Advanced Practicum: Direct Practice I (3)

SWG 642 Advanced Practicum: Direct Practice II (3)

Electives: Nine hours. Two electives must be from an approved list of electives.

Health, Behavioral Health

SWG 603 Practice in Health/Behavioral Health Settings (3)

SWG 606 Assessment of Mental Disorders (3)

SWG 619 Practice-Oriented Research (3)

SWG 621 Integrative Seminar (3)

SWG 641 Advanced Practicum: Direct Practice I (3)

SWG 642 Advanced Practicum: Direct Practice II (3)

Choose one of the following courses:

SWG 604 Advanced Social Work Practice in Health (3)

SWG 613 Advanced Social Work Practice in Behavioral Health (3)

Electives: Two electives must be from an approved list of electives (9)

Public Child Welfare

SWG 606 Assessment of Mental Disorders (3)

SWG 608 Ecological Approach to Practice with Children, Youth and Families (3)

SWG 609 Advanced Social Work Practice with Child Welfare Families (3)

SWG 619 Practice-Oriented Research (3)

SWG 621 Integrative Seminar (3)

SWG 633 Child Welfare Services (3)

SWG 641 Advanced Practicum: Direct Practice I (3)

SWG 642 Advanced Practicum: Direct Practice II (3)

Electives, which must be approved by the Child Welfare Training Project (6)

Admission Requirements: Applicants must apply to the School of Social Work and the Graduate College.

Applicants must have a B.S.W. from a Council on Social Work Education-accredited program with at least a 3.20 GPA (on a 4.00 scale) in the last two years of work leading to the B.S.W. (junior/senior GPA). Applicants must have received their B.S.W. no more than six years prior to the date of admission to the M.S.W. program. All applicants are required to have completed a course in human biology and a course in statistics prior to enrollment in the advanced standing program.

Applications to the program are accepted from Nov. 1 to Jan. 2 preceding the summer session to which the applicant is seeking admission.

Applicants admitted to the advanced standing program begin classes in the summer.

All advanced standing program applicants must submit the following to the School of Social Work:

- An M.S.W. advanced standing application.
- A professional resume that includes volunteer and paid work experience.
- A School of Social Work M.S.W. application form.

- A statement of educational and career goals.
- Three letters of reference. A combination of academic and professional references is desirable. References from friends, family members or personal therapists are not accepted. At least one of the three required references must be from the applicant's B.S.W. field instructor, or, if employed in a social work-related job for two or more years, a recommendation from the applicant's supervisor.
- Standards of ethical and professional behavior

All social work application materials are available on the School's website: <http://ssw.asu.edu> (<http://ssw.asu.edu>)

In addition, all applicants must submit the following to the Graduate College:

- An online Graduate College application for admission.
- An official transcript of all academic work completed or in progress.
- Application fee.

Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Contact Information:

Public Programs, College of
School of Social Work
<http://ssw.asu.edu/>
UCENT 800
social.work@asu.edu
602-496-0800

Social Work (Planning, Administration and Community Practice), MSW (PPCPDTMSW)

Online Degree Search Title: Downtown Phoenix - Social Work - Adv Standing-Plan, Admin & Comm Practice (MSW)

Campus: DTPHX

Program Description: The professional program leading to the M.S.W. prepares social workers for planning, administration and community practice. The program is designed to prepare social workers to be capable of responding effectively to the needs of special populations in the Southwest. The master's program is accredited by the Council on Social Work Education, and is located at the Downtown Phoenix campus and in Tucson. Some of the required courses are only available at the Downtown Phoenix campus.

Degree Requirements: 39 credit hours and a Portfolio, or 39 credit hours and a Thesis.

Students must start the program in summer (beginning with the first summer session) and complete three credit hours in each 5 week summer session and three credit hours (a one-credit-hour Bridge Field Seminar and two credit hours of practicum) during the eight-week session, for a total of nine credit hours. The seven credit hours of summer courses are offered in Phoenix only. The summer practicum is available in Tucson. The remainder of the program is completed within two semesters (full time).

Students continue with their practicum during the fall and spring semester. The culminating experience is a portfolio or thesis.

Summer Session Course Work

SWG 598 ST Advanced Standing Bridge Seminar I (3)

SWG 598 ST Advanced Standing Bridge Seminar II (3)

SWG 598 ST Bridge Field Seminar (1)

SWG 580 Practicum (2)

Planning, Administration, and Community Practice (PAC)

SWG 623 Agency and Community-Based Research in Social Work (3)

SWG 632 Social Policy and Services II (3)

SWG 643 Advanced Practicum: Planning, Social Work Administration, and Community Practice I (3)

SWG 644 Advanced Practicum: Planning, Social Work Administration, and Community Practice II (3)

SWG 681 Social Work Administration (3)

SWG 682 Community Participation Strategies (3)

SWG 685 Program Planning in Social Services (3)

Electives (9)

Electives may be selected from offerings at the School of Social Work or courses offered through other departments with the approval of the M.S.W. program coordinator.

Admission Requirements: Applicants must apply to the School of Social Work and the Graduate College.

Program applicants must have a B.S.W. from a Council on Social Work Education-accredited program, with at least a 3.20 GPA (on a 4.00 scale) in the last two years of work leading to the B.S.W. (junior/senior GPA). Applicants must have received their B.S.W. no more than six years prior to the date of admission to the M.S.W. program. All applicants are required to have completed a course in human biology and a course in statistics prior to enrollment in the advanced standing program.

Applications to the advanced standing program are accepted from Nov. 1 to Jan. 2 preceding the summer session to which the applicant is seeking admission. Applicants admitted to the program begin classes in the summer.

All advanced standing program applicants must submit the following to the School of Social Work:

- A M.S.W. advanced standing application.
- A School of Social Work M.S.W. application form.
- A statement of educational and career goals.
- A professional resume that includes volunteer and paid work experience.
- Three letters of reference. A combination of academic and professional references is desirable. References from friends, family members or personal therapists are not accepted. At least one of the three required references must be from the applicant's B.S.W. field instructor, or if employed in a social work-related job for two or more years, a recommendation from the applicant's supervisor.
- Standards of ethical and professional behavior.

All social work application materials are available on the School's website.

In addition, all applicants must submit the following to the Graduate College:

- An online application for admission to the Graduate College.
- An official transcript of all academic work completed or in progress.
- Application fee.

Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Contact Information:

Public Programs, College of
 School of Social Work
<http://ssw.asu.edu/>
 UCENT 800
 social.work@asu.edu
 602-496-0800

Social Work - Advanced Standing, MSW (PPASWMSW)

Online Degree Search Title: Downtown Phoenix - Social Work - Advanced Generalist (MSW)

Campus: DTPHX, WEST

Program Description: The professional program leading to the M.S.W. prepares social workers with the knowledge, skills and values to practice as advanced generalists. The program is designed to prepare social workers to be capable of responding effectively to the needs of special populations in the Southwest. The program is accredited by the Council on Social Work Education and is located at the Downtown Phoenix campus.

Degree Requirements: 37 credit hours and an Applied Project, or 39 credit hours and an Applied Project.

Students must start the program in summer (beginning with the first summer session) and complete three credit hours in each summer session, for a total of six hours. The remainder of the program can be completed within two semesters (full time) or four semesters (part time).

Students also complete one internship and an applied project.

Summer Session Course Work

SWG 598 ST: Advanced Standing Bridge Seminar (3)

SWG 598 ST: Advanced Standing Bridge Seminar (3)

Advanced Generalist Course Work

SWG 598 Advanced Social Work Practice & Ethics (3)

SWG 610 Advanced Generalist SW Practice III (3)

SWG 614 Advanced Generalist SW Practice IV (3)

SWG 632 Social Policy/Services II (3)

SWG 645 Professional Experience III (3)

SWG 646 Professional Experience IV (3)

SWG 692 Research (3)

SWG 693 Applied Project (3)

Electives must be from the approved list of electives (6)

Admission Requirements: Applicants must apply to the School of Social Work and the Graduate College.

Advanced standing program applicants must have a B.S.W. from a Council on Social Work Education-accredited program with at least a 3.00 GPA (on a 4.00 scale) in the last two years of work leading to the B.S.W. (junior/senior GPA). Applicants must have received B.S.W. no more than six years prior to the date of admission to the master's program. All applicants are required to have completed a course in human biology and a course in statistics prior to enrollment in the program.

Applications are accepted from Nov. 1 to Jan. 2 preceding the summer session in which the applicant is seeking admission. Applicants admitted to the advanced standing program begin classes in the summer.

All applicants must submit the following to the School of Social Work:

- A School of Social Work M.S.W. application form.

- An M.S.W. advanced standing application.
- A statement of educational and career goals.
- A professional resume that includes volunteer and paid work experience.
- Three letters of reference. A combination of academic and professional references is desirable. References from friends, family members or personal therapists are not accepted. At least one of the three required references must be from the applicant's B.S.W. field instructor, or, if employed in a social work-related job for two or more years, a recommendation from the applicant's supervisor.

In addition, all applicants must submit the following to the Graduate College:

- Online application for admission to the Graduate College.
- Application fee.
- An official transcript of all academic work completed or in progress.

Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Contact Information:

Public Programs, College of
 School of Social Work
<http://ssw.asu.edu>
 UCENT 800
social_work@asu.edu
 602-496-0800

Sustainable Tourism, MAS (PPSUSTMAS)

Online Degree Search Title: Sustainable Tourism (MAS)

Campus: ONLNE

Program Description: Students in the M.A.S. in sustainable tourism receive a comprehensive education with a focus on the environmental, economic and social aspects of tourism, equipping them with the skills necessary to create pioneering sustainable development solutions to the challenges facing tourism today. This holistic curriculum focuses on integrating all three pillars of sustainability into existing tourism theories and concepts. The program prepares future sustainable tourism professionals to meet the increasing demand for people trained in sustainability practices and the application of those practices in tourism. The program can be completed online.

Admission Requirements:

- Submission of graduate college online application.
 - Minimum of a bachelor's degree (or equivalent) or a graduate degree from a regionally accredited college or university of recognized standing in a related field such as tourism, hospitality, sustainability, environmental studies, business, geography or planning.
 - Minimum of a 3.00 cumulative GPA (scale is 4.00="A") in the last 60 hours of a student's bachelor's degree program.
 - TOEFL required for applicants from a country whose native language is not English,
- http://graduate.asu.edu/admissions/international/english_proficiency (http://graduate.asu.edu/admissions/international/english_proficiency).

Contact Information:

Public Programs, College of
 School of Community Resources and Development
<http://scrd.asu.edu/>
 UCENT 550
scrd@asu.edu
 602-496-0550

Sustainable Tourism (certificate), CERT (PPSTGRCT)

Online Degree Search Title: Sustainable Tourism (Cert)

Campus: ONLNE

Program Description: The online graduate certificate in sustainable tourism is intended for professionals who work in or desire to work in the tourism industry. The program addresses the unique character of sustainability and sustainable practices in tourism development and management. Students interested in sustainable tourism management explore the practice of management and development of sustainable tourism businesses and destinations. Students who complete the 18 credit certificate will have knowledge in topics such as the integration of economic, social and environmental aspects of sustainability as it relates to tourism; conducting sustainability audits for destinations and businesses; community impacts of tourism; and sustainable destination and business planning and management. The program allows graduates enhanced recognition and credentials in an area experiencing a great deal of interest and growth. Students in the program will be able to further their careers by obtaining advanced education specific to sustainability practices in tourism.

Degree Requirements: 18 credit hours.

15 required credit hours

Three elective credit hours

Admission Requirements: All applicants must complete the Graduate College online application. A bachelor's degree from a regionally accredited college or university recognized by ASU is required. Minimum of a 3.00 cumulative GPA (scale is 4.00=A) in the last 60 hours of a student's bachelor's degree program.

Two letters of recommendation from current or former employers, current or former faculty members, or others who are familiar with your scholarly and professional abilities and characteristics will be submitted through the online application.

Eligibility for admission to the Graduate College.

Graduate Record Examination: Applicants must submit scores on the GRE. The GRE scores will be considered in the context of applicant's overall portfolio application materials.

TOEFL required for applicants from a country whose native language is not English. Please visit

http://graduate.asu.edu/admissions/international/english_proficiency (http://graduate.asu.edu/admissions/international/english_proficiency) for more information.

Contact Information:

Public Programs, College of

School of Community Resources and Development

<http://scrd.asu.edu/>

UCENT 550

scrd@asu.edu

602-496-1056

Trauma and Bereavement (certificate), CERT (HSCTBGRCT)

Online Degree Search Title: Trauma and Bereavement (Grad Certificate)

Campus: DTPHX, WEST

Program Description: There is a growing need in society for health care workers and clinicians to be better prepared to help clients and patients experiencing trauma. The School of Social Work graduate certificate in trauma and bereavement will better prepare individuals to work in the field of death and dying, trauma and bereavement in clinical, organizational and administrative settings, enhancing knowledge about grief responses and the effects of trauma, providing opportunities for students to research an often under-explored topic, and helping transform the sociopolitical management of grief, traumatic losses and end-of-life issues in contemporary society.

In addition to tuition and class fees, there is a \$500 one-time program fee.

Degree Requirements: 18 credit hours including a Capstone Course (SWG 541/SWG 542/SWG 584/SWG 641/SWG 642/SWG 645/SWG 646/SWG 690/SWG 693).

The certificate requires 1) fifteen credit hours of graduate course work, and 2) Culminating Experience: Research/Applied Project/Internship (3 credit hours).

Admission Requirements: Deadline: April 1 for summer admission; Nov. 1 for spring admission.

All applicants must submit the on line Graduate College application, transcripts (if not on file with ASU) and the Graduate College application fee.

Applicants from a country whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency. In addition the following materials are to be submitted to the School of Social Work.

- A two-to-four page, doubled-spaced, personal statement (guidelines are listed on the application).
- Resume.
- The School of Social Work certificate application. The application is available on the department website.
- Three references, on the forms available on the department Web site.

Contact Information:

Public Programs, College of

School of Social Work

<http://ssw.asu.edu/>

UCENT 800

social.work@asu.edu

602-496-0800

Sustainability, School of

Global Sustainability Leadership (certificate), CERT (SUSUSGGRCT)

Online Degree Search Title: Global Sustainability Leadership (Grad Certificate)

Campus: ONLNE

Program Description: The graduate certificate in global sustainability leadership will provide training to U.S. Army and Army National Guard leaders (e.g., field grade officers, senior civilians, and state environmental program managers) to enhance their ability to instill and manage sustainable practices throughout the Army and Army National Guard. Courses will emphasize providing leadership across lines of operation and areas of responsibility. The program emphasizes the application of sustainability tools, techniques and concepts to issues on bases and installations in the U.S., Europe and Asia and to bases in Iraq, Afghanistan or other areas to which the Army may be deployed.

Degree Requirements: 15 credit hours.

Students are expected earn a "B" (3.00) or better in each course. It is also expected that they complete the program in three years, but can finish the program in one or two years depending on how many courses they take each semester.

Admission Requirements:

- Must be a soldier or civilian in the Army or Army National Guard.
- Minimum of a bachelor's (or equivalent) or a graduate degree from a regionally accredited college or university.
- Minimum of a 3.00 cumulative GPA (4.00="A" scale) in the last 60 hours of a student's bachelor's program.
- Resume or curriculum vitae, optional.
- Statement of intent required (details are noted in the application).

Attend Online: ASU offers this program in a fully online format-no face-to-face sessions required. We offer six enrollment sessions throughout the year, and you learn in accelerated,7.5-week classes. View the program description and request more information here.

(<http://asuonline.asu.edu/degree-programs/certificates/graduate-certificate-sustainability-leadership>)

Contact Information:

Sustainability, School of

School of Sustainability

<http://sustainabilityonline.asu.edu>

WGHL 108

schoolofsustainability@asu.edu

480-884-1529

Sustainability, MA (SUSUSTMA)

Online Degree Search Title: Sustainability (MA)

Campus: TEMPE

Program Description: The M.A. in sustainability is offered for students who have completed a bachelor's. The program prepares students to address some of the most pressing concerns of the 21st century. Students learn how different disciplines view and approach the challenges of sustainability in theory, research and practice. They develop the academic and technical skills and the ethical insights that will help them understand, research and provide solutions to complex sustainability challenges at the local, regional, national and global levels. Although the graduate programs emphasize the integration of a broad range of expertise in student training, the M.A. program is best suited to students inclined toward social sciences, humanities, planning or related fields. Students can also apply to participate in the Master's International Peace Corps Program, which works in conjunction with this program.

All sustainability graduate students will possess:

- The ability to communicate their work to professionals in other disciplines, policy-makers and the general public.
- The breadth of vision to recognize the interconnectedness of social, economic and environmental systems.
- The critical thinking skills to approach sustainability challenges from a systems perspective.
- The skills needed to work effectively in interdisciplinary teams.
- The technical skills to formulate and solve problems at the appropriate scale.
- An understanding of the need for an interdisciplinary approach to solving sustainability challenges.

In addition to the common learning outcomes, M.A. students will be able to:

- Apply appropriate metrics and indicators to evaluate the sustainability of environmental institutions, legal frameworks, property rights and culture.
- Lead others in applying these concepts and methods to the development of sustainable institutions for water, land, air and urban management at the local and global level.
- Research particular problems in the sustainability of social institutions.

- Understand the concepts and methods of environmental economics, sociology, anthropology, environmental politics, ethics, design and human geography relevant to the sustainability of environmental resources and social institutions.

Degree Requirements: 33 credit hours and a Portfolio (MIP), or 33 credit hours and a Thesis.

Each student will formulate a plan of study in consultation with their supervisory committee. The master's programs are divided into the following five areas:

- Applied workshops.
- Core courses.
- Elective courses.
- Problem-focused seminars.
- Required research (for the thesis option) or an applied project (for non-thesis option).
- Students who are also part of the Master's International Peace Corps Program must complete a Peace Corps assignment abroad and it is expected that their thesis/non-thesis topic will be drawn from their experience in the Peace Corps. Students in the program will earn six credit hours towards the M.A. program requirements.

The taught-course element of the program will be evaluated through course-specific examinations, research papers and/or applied projects and will be considered to have been successfully completed if the student obtains a GPA of 3.25 or higher. The Graduate College policies and procedures for fulfillment of degree requirements must also be met.

Admission Requirements: Applicants must submit an online Graduate College application. Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

The School of Sustainability encourages applicants with diverse educational backgrounds and experience that are relevant to the school's core objectives. In addition to the general requirements for admission to the Graduate College, the School of Sustainability requires:

- A 3.25 GPA in the last 60 credit hours of undergraduate work.
- A statement of intent.
- GRE scores.
- Three letters of recommendation.

The statement of intent should not exceed 600 words and should:

- Explain why the student is applying to the School of Sustainability.
- Outline the student's relevant background information.
- Describe the outcomes expected from the program.
- Identify potential faculty advisors and areas of research/study.
- Elaborate on how the degree will support the student's aspirations and goals.

Although it is not required, applicants are also encouraged to submit a resume or curriculum vitae.

Students interested in applying to participate in the Master's International Peace Corps Program will be able to do so when they apply to the M.A. program.

Contact Information:

Sustainability, School of
School of Sustainability
<http://schoolofsustainability.asu.edu/>
G108
schoolofsustainability@asu.edu
480-727-6963

Sustainability, MS (SUSUSTMS)

Online Degree Search Title: Sustainability (MS)

Campus: TEMPE

Program Description: The M.S. in sustainability is offered for students who have completed a bachelor's degree. The program prepares students to address some of the most pressing concerns of the 21st century. Students learn how different disciplines view and approach the challenges of sustainability in theory, research and practice. They develop the academic and technical skills as well as the ethical insights that will help them understand, research and provide solutions to complex sustainability challenges at the local, regional, national and global levels. Although the graduate-degree programs emphasize the integration of a broad range of expertise in student training, the M.S. program is best suited to students inclined toward natural sciences, economics or engineering. Students can also apply to participate in the Master's International Peace Corps Program, which works in conjunction with this program.

All sustainability graduate students will possess:

- An understanding of the need for an interdisciplinary approach to solving sustainability challenges.
- The ability to communicate their work to professionals in other disciplines, policy-makers and the general public.
- The breadth of vision to recognize the interconnectedness of social, economic and environmental systems.
- The critical thinking skills to approach sustainability challenges from a systems perspective.
- The skills needed to work effectively in interdisciplinary teams.
- The technical skills to formulate and solve problems at the appropriate scale.

In addition to the common learning outcomes, students will be able to:

- Apply appropriate metrics and indicators to evaluate the sustainability of technology, the built environment and their environmental regulations and policy.
- Lead others in applying these concepts and methods to the development of sustainable strategies for water, land, air and urban management at the local and global level.
- Research particular problems in the sustainability of the economic and natural environment.
- Understand the concepts and methods of environmental economics, ecology, environmental biology, hydrology, environmental chemistry, engineering, earth systems management and other disciplines relevant to the sustainable use of environmental resources.

Degree Requirements: 33 credit hours and a Portfolio (MIP), or 33 credit hours and a Thesis.

Each student will formulate a program of study in consultation with their supervisory committee. The master's programs are divided into the following five areas:

- Applied workshops.
- Core courses.
- Elective courses.
- Problem-focused seminars.
- Required research (for the thesis option)/Applied project (for non-thesis option).

Students who are also part of the Master's International Peace Corps Program must complete a Peace Corps assignment abroad, and it is expected that their thesis/non-thesis topic will be drawn from their experience in the Peace Corps. Students in the program will earn six credit hours towards the M.S. program requirements.

The taught-course element of the program will be evaluated through course-specific examinations, research papers and/or applied projects and will be considered to have been successfully completed if the student obtains a 3.25 or higher. The Graduate College policies and procedures for fulfillment of degree requirements must also be met.

Admission Requirements: Applicants must submit an online Graduate College application.

The School of Sustainability encourages applicants with diverse educational backgrounds and experience that are relevant to the school's core objectives. In addition to the general requirements for admission to the Graduate College, including those regarding English proficiency, the School of Sustainability requires:

- A 3.25 GPA in the last 60 credit hours of undergraduate work.
- A statement of intent.
- GRE scores.
- Three letters of recommendation.

The statement of intent should not exceed 600 words and should:

- Describe the outcomes expected from the program.
- Elaborate on how the degree will support the student's aspirations and goals.
- Explain why the student is applying to the School of Sustainability.
- Identify potential faculty advisors and areas of research/study.
- Outline the student's relevant background information.

Although it is not required, applicants are also encouraged to submit a resume or curriculum vitae.

Students interested in applying to participate in the Master's International Peace Corps Program will be able to do so when they apply to the M.S. program.

Contact Information:

Sustainability, School of
 School of Sustainability
<http://schoolofsustainability.asu.edu/>
 GIOS 108
 schoolofsustainability@asu.edu
 480-727-6963

Sustainability, PHD (SUSUSTPHD)

Online Degree Search Title: Sustainability (PhD)

Campus: TEMPE

Program Description: The Ph.D. in sustainability is offered for students who have completed a bachelor's or master's. The doctoral program prepares students to become scientists and leaders in research to investigate the urgent sustainability challenges of the 21st century. Graduates will possess an advanced understanding of the dynamics of coupled socioecological systems and be able to lead others in research providing adaptive solutions to specific sustainability challenges. The flexible, interdisciplinary nature of the program allows students to focus on problems of interest to them, drawing upon relevant knowledge from a variety of disciplines.

All sustainability graduate students will possess:

- An understanding of the need for an interdisciplinary approach to solving sustainability challenges.
- The ability to communicate their work to professionals in other disciplines, policy-makers and the general public.
- The breadth of vision to recognize the interconnectedness of social, economic and environmental systems.
- The critical thinking skills to approach sustainability challenges from a systems perspective.
- The skills needed to work effectively in interdisciplinary teams.
- The technical skills to formulate and solve problems at the appropriate scale.

In addition to the common learning outcomes, students will be able to:

- Conduct research on particular sustainability challenges using standard skills, including the capacity to identify problems; formulate and test hypotheses; use statistical, econometric and geographical-information-system techniques to construct and analyze datasets; and build and apply models.
- Lead others in the analysis and design of the built environment and institutions' policies, regulations and technologies to support sustainable development.
- Lead others in applying these concepts and methods to the development of sustainable strategies for water, land, air and urban management at the local and global level.
- Understand the concepts and methods of a number of critical disciplines bearing on the sustainability of systems at different spatial/temporal scales.

Degree Requirements: 84 credit hours, a Written Comprehensive Exam, a Prospectus and a Dissertation.

Students may be admitted to the program with a bachelor's or master's from relevant fields. The degree requirement is 84 credit hours of work beyond the bachelor's level. Up to 30 credit hours from a previously awarded master's in a related field can be accepted toward the fulfillment of the Ph.D. requirements. Each student formulates a program of study in consultation with his or her supervisory committee. The doctoral program is divided into the following five areas:

- Applied workshops.
- Core courses.
- Elective courses.
- Problem-focused seminars.
- Required research.

Each program of study must include 24 credit hours of a combination of research and dissertation. The taught-course element of the program will be evaluated through course-specific examinations, research papers and/or applied projects and will be considered to have been successfully completed if the student obtains a GPA of 3.25 or higher. Graduate College policies and procedures for fulfillment of degree requirements must also be met.

Admission Requirements: Applicants must submit an online Graduate College application.

The School of Sustainability encourages applicants with diverse educational backgrounds and experience that are relevant to the school's core objectives. Applicants are strongly encouraged to contact potential faculty mentors prior to filling out the application to make sure their area of interest is represented well. In addition to the general requirements for admission to the Graduate College, including those regarding English proficiency, the School of Sustainability requires:

- A 3.25 GPA in the last 60 credit hours of undergraduate work.
- A statement of intent.
- GRE scores.
- Three letters of recommendation.

The statement of intent should not exceed 600 words and should:

- Describe the outcomes expected from the program.
- Elaborate on how the degree will support the student's aspirations and goals.

- Explain why the student is applying to the School of Sustainability.
- Identify potential faculty advisors and areas of research/study.
- Outline the student's relevant background information.

Although it is not required, applicants are also encouraged to submit a resume or curriculum vitae.

Contact Information:

Sustainability, School of
 School of Sustainability
<http://schoolofsustainability.asu.edu/>
 GIOS 108
 schoolofsustainability@asu.edu
 480-727-6963

Teachers College, Mary Lou Fulton

An Overview of Autism Spectrum Disorders (certificate), CERT (EDSPEGRCA)

Online Degree Search Title: An Overview of Autism Spectrum Disorders (Grad Certificate)

Campus: ONLNE, TEMPE

Program Description: The ASU Autism Spectrum Disorders (ASD) graduate certificate program prepares participants with the latest information and practical techniques to understand and serve those with autism spectrum disorders. This 15-credit-hour program is offered online only. The certificate consists of four classes and a practicum. The practicum provides an opportunity to use new knowledge and skills in a real world setting consistent with the student's interests and abilities.

The ASD graduate certificate is designed for individuals who:

- Are committed to providing services to these children, youth and adults.
- Are interested in a graduate certificate in ASD whether or not pursuing a formal graduate degree program.
- Want to learn more about the characteristics and needs of individuals on the spectrum.

Degree Requirements: 15 credit hours.

- SPE 520 Reading and Communication Strategies for Individuals with Autism (3)
- SPE 521 Foundations of Autism Spectrum Disorders (3)
- SPE 531 Methods of Applied Behavior Analysis for Exceptional Populations (3)
- SPE 566 Applied Behavior Analysis in Inclusive Settings (3)
- SPE 580 Practicum (3)

Admission Requirements: All applicants must submit the Graduate College online application and meet all Graduate College admission requirements, including those regarding English proficiency. As a part of the online application you will be asked to:

- Submit transcripts showing a bachelor's conferred from a regionally accredited institution.
- Upload a personal statement.
- Upload a resume.

Attend Online: ASU offers this program in a fully online format-no face-to-face sessions required. We offer six enrollment sessions throughout the year, and you learn in accelerated,7.5-week classes. View the program description and request more information here.

(<http://asuonline.asu.edu/degree-programs/certificates/graduate-certificate-autism-spectrum-disorders>)

Contact Information:

Teachers College, Mary Lou Fulton
 Dean, Mary Lou Fulton Teachers College
<http://education.asu.edu/programs/autism-spectrum-disorder-certificate>
 FAB S236
 GraduateEducation@asu.edu
 602-543-6358

Curriculum and Instruction (Teaching and Learning), MEd (EDDCIMED)

Online Degree Search Title: Teaching and Learning (MED)

Campus: ONLNE, TEMPE

Program Description: The M.Ed. in curriculum and instruction facilitates the development of advanced level professional knowledge, skills and understanding through research and applied experiences. The program provides a customized experience in a content area related to education. The concentration in teaching and learning is for practitioners across all disciplines and grades. This concentration has three areas of specialization:

- Autism spectrum disorders.
- Applied behavioral analysis.
- Gifted education.

Please check Teachers College website for more details on the specialization areas; additional specializations may be added throughout the academic year.

Degree Requirements: 30 credit hours and a Written Comprehensive Exam, or 30 credit hours including the required course (SPE 580) and a Portfolio, or 30 credit hours including the required course (SPE 593) and an Applied Project. Students will complete 30 hours in their focus area and a culminating project to be embedded within a course, depending on the specialization.

Admission Requirements: All applicants must meet Graduate College admission standards, including those regarding English proficiency, and submit the Graduate College online application. The online application requires:

- Transcripts showing conferral of a bachelor's from a regionally accredited institution.
- Three email addresses for professional recommendations.
- A personal statement.
- A resume.
- Selection of a specialization.

Attend Online: ASU offers this program in a fully online format-no face-to-face sessions required. We offer six enrollment sessions throughout the year, and you learn in accelerated, 7.5-week classes.

Contact Information:

Teachers College, Mary Lou Fulton
Dean, Mary Lou Fulton Teachers College
<http://education.asu.edu/content/future-students>
ED 120
GraduateEducation@asu.edu
602-543-6358

Curriculum and Instruction (Accomplished Teaching), MA (EDACCTCMA)

Online Degree Search Title: Accomplished Teaching (MA)

Campus: TEMPE

Program Description: The M.A. in curriculum and instruction offers students opportunities to develop expertise in contemporary issues and pedagogical and research methods related to curriculum and instruction. Students also investigate applied and theoretical issues in their area of concentration. This degree may be designed as a terminal degree or as preparation for doctoral work in curriculum and instruction. The concentration in accomplished teaching is designed for classroom teachers who want to enhance their instructional performance and to do so in alignment with advanced certification and professional standards. Required courses provide a focused body of course work and experiential opportunities to improve skills in technology, understanding of student learning and assessment and in conducting action research. A teacher completing this degree will have a foundation in teaching and research and a choice of a customized concentration in, or a broader knowledge base across, varying disciplines related to education. Specializations within the degree allow teachers to meet personalized professional needs, interests and requirements for advancing within the teaching profession. This program emphasizes the research, principles and concepts foundational to the National Board Certification process and is appropriate for teachers who wish to seek greater depth in content in any of a variety of certification areas. Students in this concentration are able to focus in one of the following specialization areas:

- Educational Technology.
- Gifted Education.
- Mathematics Education.
- National Board Certification.
- Science Education.
- Special Education.
- Take One! track to National Board Certification.

More areas may be added at a later date. Please check Teachers College website for more information and the most up-to-date concentration areas.

Degree Requirements: 30 credit hours including the required course (DCI 593) and an Applied Project.

Courses for this program are divided as follows:

Foundation courses (9 credit hours)

Courses are 3 credits each:

DCI 610 Introduction to Accomplished Teaching
EDT 530 Technology Integration Methods
EDP 564 Academic Assessment and Intervention or
ECD 541 Assessment of Young Children or
SPE 531 Methods of Applied Behavioral Analysis for Exceptional Populations
RDG 555 Formal Measures of Reading and*/or
EDP 540 Theoretical Views of Learning

*Students in National Board Specialization are required to take EDP 540 and an Assessment Course.

Research courses (3 credit hours)

Courses are 3 credits each:

DCI 510 Teacher as a Researcher OR
COE 501 Introduction to Research and Evaluation

Elective courses (15 credit hours) In coordination with an advisor, students select 12-15 hours of courses within a specialization track.

Admission Requirements: All applicants must meet Graduate College admission standards and submit the Graduate College online application, including those requirements for English proficiency. As a part of the online application you will be asked to:

- Submit transcripts showing a bachelor's conferred from a regionally accredited institution.
- Provide three email addresses for your professional recommendations.
- Upload a personal statement.
- Upload a resume.

Ideally, applicants will be teachers; however, people working in educational settings other than K-12 schools may apply to this program as well. For some course work, students may need to have access to a classroom.

Contact Information:

Teachers College, Mary Lou Fulton
Dean, Mary Lou Fulton Teachers College
<http://education.asu.edu>
ED 120
GraduateEducation@asu.edu
602-543-6358

Curriculum and Instruction (Early Childhood Education), MEd (TEECDMED)

Online Degree Search Title: Early Childhood Education - Certification/Endorsement (MED)

Campus: ONLNE, WEST

Program Description: The M.Ed. in curriculum and instruction offers students opportunities to develop expertise in contemporary issues and pedagogical and research methods related to curriculum and instruction. Students also investigate applied and theoretical issues in their area of concentration.

The concentration in early childhood education offers aspiring and practicing early childhood educators multiple options as they pursue their studies. Along with pursuing a master's in early childhood education, students with Arizona elementary education certificates have the option to complete course work toward an early childhood endorsement. Additionally, students who are not certified teachers may earn Arizona early childhood certification.

This is an online program, however, the geographic area for practicum placements will be dependent on individual state regulations. Students should check with their academic advisors for state-by-state requirements.

Degree Requirements: 30 credit hours including the required course (ECD 593) and an Applied Project.

Students in this program will complete an applied project within their plan of study as a culminating activity.

Admission Requirements: All applicants must meet Graduate College admission standards, including those regarding English proficiency. Applicants must apply online and will be asked to:

- Submit transcripts showing a bachelor's conferred from regionally accredited institution.
- Provide email addresses for three individuals who can speak to the applicant's professional skills and character.
- Upload a personal statement.
- Upload a resume.
- Select a specialization (master's, plus endorsement or plus certification).

Contact Information:

Teachers College, Mary Lou Fulton
 Educational Leadership & Innovation, Division
<http://education.asu.edu/content/future-students>
 FAB S236
 GraduateEducation@asu.edu
 602-543-6358

Curriculum and Instruction (English as a Second Language), MA (EDESLMA)

Online Degree Search Title: English as a Second Language (MA)

Campus: ONLNE, TEMPE

Program Description: The M.A. in curriculum and instruction offers students opportunities to develop expertise in contemporary issues and pedagogical and research methods related to curriculum and instruction. Students also investigate applied and theoretical issues in their areas of concentration. This degree may be designed as either a terminal degree or as preparation for doctoral work.

The concentration in English as a second language (ESL) is a rigorous and comprehensive program, preparing students to teach children and adolescents in U.S. schools. All courses are offered online and are structured to allow students to participate at any hour of the day (asynchronously) and from anywhere a computer and Internet connection are available. The program is administered in partnership with ASU's "fifth campus" ASU Online, and adheres to a set of inter-institutional quality assurance instructional design principles known as Quality Matters.

The program is designed to cater to professionals with a wide range of roles, including teachers, administrators, policymakers, journalists and others. While the program is an excellent choice for teachers seeking to improve their professional preparation to work with English learners, and includes course work supporting the Arizona ESL endorsement for certified teachers, the program does not lead to teacher certification and there is no requirement that students entering the program hold a teaching certificate or seek to obtain one.

Note: This degree is not the same as the Master of Teaching English to Speakers of Other Languages (MTESOL) offered through the English department.

Degree Requirements: 30 credit hours and a Portfolio, or 30 credit hours and a Written Comprehensive Exam.

Students will complete 6 credit hours of core course work and 24 hours of concentration course work. For the culminating experience, students will write a rigorous scholarly paper responding to a specific set of questions drafted by program faculty. This will be a take-home project the student completes in the last semester of the program.

Admission Requirements: All applicants must meet Graduate College admission standards, including English proficiency, and submit the Graduate College online application. The online application requires:

- Transcripts showing conferral of a bachelor's from a regionally accredited institution.
- Provide three email addresses for professional recommendations.
- A personal statement.
- A resume.

GRE scores are not required for admission.

Contact Information:

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Curriculum and Instruction (Language and Literacy), MA (EDLANGMA)

Online Degree Search Title: Language and Literacy (MA)

Campus: TEMPE

Program Description: The M.A. in curriculum and instruction offers students opportunities to develop expertise in contemporary issues and pedagogical and research methods related to curriculum and instruction. Students also investigate applied and theoretical issues in their area of

concentration. This degree may be designed as a terminal degree or as preparation for doctoral work in curriculum and instruction. The concentration in language and literacy offers students opportunities to develop expertise in contemporary issues and pedagogical methods related to language and literacy, teaching and research, such as children's literature, content literacy, digital literacy and gender. Students in this program may choose a path that leads to:

- Arizona reading endorsement.
- General language and literature theory and practice.

Degree Requirements: 30 credit hours and a Written Comprehensive Exam.

Each candidate will also complete a culminating project under the direction of his or her advisor, which will be a blended activity of a portfolio and written exam in the last semester.

Admission Requirements: All applicants must meet Graduate College admission standards and submit the Graduate College online application, including those requirements regarding English proficiency. As a part of the online application you will be asked to:

- Submit transcripts showing a bachelor's conferred from a regionally accredited institution.
- Provide three email addresses for your professional recommendations.
- Upload a personal statement.
- Upload a resume.

Ideally, applicants will have a minimum of one-year teaching experience.

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Curriculum and Instruction (Mathematics Education), MA (EDMATHMA)

Online Degree Search Title: Mathematics Education (MA)

Campus: TEMPE

Program Description: The M.A. in curriculum and instruction offers students opportunities to develop expertise in contemporary issues and pedagogical and research methods related to curriculum and instruction. Students also investigate applied and theoretical issues in their area of concentration. This degree may be designed as either a terminal degree or as preparation for doctoral work in curriculum and instruction. Teachers College is not accepting applications for this concentration at this time. Please see the Accomplished Teaching program for a specialization in mathematics education.

Degree Requirements: 30 credit hours and a Thesis, or 30 credit hours and a Written Comprehensive Exam, or 30 credit hours including the required course (DCI 593) and an Applied Project.

Admission Requirements: Applications are currently closed.

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Educational Administration and Supervision, MEd (EDSUPVMED)

Online Degree Search Title: Educational Administration & Supervision (MEd)

Campus: DTPHX, POLY, TEMPE, WEST

Program Description: The M.Ed. in educational administration and supervision is designed to provide the knowledge and skills needed to obtain the Arizona principal certificate in prekindergarten to grade 12. The program is based on the Interstate School Leaders Licensure Consortium (ISLLC) standards. Students completing the entire program, as well as providing evidence of meeting state SEI requirements and three years of PreK-12 teaching experience may obtain an Institutional Recommendation to expedite their Arizona certification as PreK-12 principal.

This program is offered at the West campus.

Degree Requirements: 36 credit hours and a Portfolio.

Students in the M.Ed. in educational administration and supervision program complete:

- Concentration requirements (27).
- Core requirements (9).
- Graduation portfolio demonstrating mastery of ISLLC standards.

Admission Requirements: All applicants must meet Graduate College admission standards, including those regarding English proficiency.

Applications are submitted online. Applicants are asked to:

- Submit transcripts showing a bachelor's conferred from a regionally accredited institution.
- Provide email addresses for three people who can provide professional recommendations (one of which should be from the applicant's current principal).
- Upload a personal statement.
- Upload a resume.

Ideally, applicants will have three years of teaching experience; in some cases, applicants are accepted with one year's experience. In most classes, students work with a school principal in order to provide for the application of knowledge in school settings. GRE scores are not required for admission.

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Educational Administration and Supervision (Principalship), MEd (TEPRINMED)

Online Degree Search Title: Educational Administration & Supervision (Principalship) (MEd)

Campus: ONLINE, WEST

Program Description: The M.Ed. in educational administration and supervision with a concentration in principalship is designed to provide the knowledge and skills needed to lead K-12 schools. The program allows students to meet academic requirements of the Arizona principal certificate in prekindergarten to grade 12. The program is based on the Interstate School Leaders Licensure Consortium (ISLLC) standards. Students completing the entire program, as well as providing evidence of meeting state SEI requirements and three years of PreK-12 teaching experience may obtain an institutional recommendation to expedite their Arizona certification as PreK-12 principal. This program is offered online.

Degree Requirements: 36 credit hours and a Portfolio.

Students in the M.Ed. in educational administration and supervision program complete:

- Concentration requirements (27).
- Core requirements (9).
- Graduation portfolio demonstrating mastery of ISLLC standards.

Admission Requirements: All applicants must meet Graduate College admission standards, including those regarding English proficiency.

Applications are submitted online. Applicants are asked to:

- Submit transcripts showing a bachelor's conferred from a regionally accredited institution.
- Provide email addresses for three people who can provide professional recommendations (one of which should be from the applicant's current principal).
- Upload a personal statement.
- Upload a resume.

Ideally, applicants will have three years of teaching experience; in some cases, applicants are accepted with one year's experience. In most classes, students work with a school principal in order to provide for the application of knowledge in school settings. GRE scores are not required for admission.

Attend Online: ASU offers this program in a fully online format-no face-to-face sessions required. We offer six enrollment sessions throughout the year, and you learn in accelerated, 7.5-week classes. View the program description and request more information here.

(<http://asuonline.asu.edu/degree-programs/graduate/master-education-educational-administration-supervision-principal>)

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Educational Administration and Supervision (Supervision), MED (TESPRVIMED)

Online Degree Search Title: Educ Administration & Supervision (Supervision) (MEd)

Campus: ONLNE, TEMPE, WEST

Program Description: The M.Ed. in educational administration and supervision with a concentration in supervision is designed to provide the knowledge and skills needed to provide leadership to teachers and other educational professionals. The degree provides students the opportunity to meet the academic requirements of the Arizona supervisor certificate in prekindergarten to grade 12. The program is based on the Interstate School Leaders Licensure Consortium (ISLLC) standards. Students completing the entire program, as well as providing evidence of meeting state SEI requirements and three years of PreK-12 teaching experience may apply for Arizona certification as PreK-12 supervisor. This program is offered online.

Degree Requirements: 36 credit hours and a Portfolio.

Students in the M.Ed. in educational administration and supervision program complete:

- Concentration requirements (27).
- Core requirements (9).
- Graduation portfolio demonstrating mastery of ISLLC standards.

Admission Requirements: All applicants must meet Graduate College admission standards, including those requirements regarding English proficiency. Applications are submitted online. Applicants are asked to:

- Submit transcripts showing a bachelor's conferred from a regionally accredited institution.
- Provide email addresses for three people who can provide professional recommendations (one of which should be from the applicant's current principal).
- Upload a personal statement.
- Upload a resume.

Ideally, applicants will have three years of teaching experience; in some cases, applicants are accepted with one year's experience. In most classes, students work with a school principal in order to provide for the application of knowledge in school settings. GRE scores are not required for admission.

Attend Online: ASU offers this program in a fully online format-no face-to-face sessions required. We offer six enrollment sessions throughout the year, and you learn in accelerated, 7.5-week classes. View the program description and request more information here.

(<http://asuonline.asu.edu/degree-programs/graduate/master-education-educational-administration-supervision-teacher-leadership>)

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Educational Leadership and Policy Studies, PHD (EDLDRSHPHD)

Online Degree Search Title: Educational Leadership/Policy Studies (PhD)

Campus: TEMPE

Program Description: The Ph.D. in educational leadership and policy studies emphasizes methods of education policy analysis and provides for specializations in seven related disciplines and topics. Researchers engaged in education policy studies analyze the processes by which societies formulate, implement, evaluate and modify education systems. Doctoral students receive course work and practical experiences in a variety of contexts, including higher education, elementary and secondary schools and education governing bodies.

Areas of specialization include:

- American Indian education policy.
- Anthropology and education.
- Higher education.
- International and comparative education.
- Language policy.
- Policy analysis.
- Social and philosophical foundations.

The faculty seeks to train scholars who will teach and conduct research on education policy in a variety of settings, including:

- Government agencies.
- Non-governmental organizations.
- Research centers.
- Schools.
- Universities.

Degree Requirements: 84 credit hours, a Written Comprehensive Exam, a Prospectus and a Dissertation.

Of the 84 hours required for the degree 54 must be earned at ASU and 24 of the ASU hours must be earned in research or dissertation. The coursework includes classes in policy analysis, research methods, and an area of specialization.

Students entering the Ph.D. program with a master's degree in a related discipline may count up to 30 credit hours from the master's degree toward the 84 credits. In addition, a student may use up to 12 additional credit hours toward the Ph.D. if documentation is provided showing that those credit hours were not part of the master's degree. Students without a master's degree in a related discipline may transfer no more than 12 credit hours toward the degree.

Admission Requirements: All applicants must meet Graduate College admission standards, including English proficiency, and submit the Graduate College online application. The online application requires:

- Transcripts from a regionally accredited institution showing conferral of a bachelor's and a master's.
- Three professional references (provide email addresses) who can address the applicant's ability to perform effectively in this program.
- A current resume.
- A personal statement describing the applicant's research and career goals and the work and academic experiences.
- The applicant's scores on the GRE (we do not have a minimum GRE score for admission).
- A sample of recent professional or academic writing that indicates the ability to write in a scholarly manner. This may include (but is not limited to) an assignment from a graduate course, a review of literature, writing for National Board Certification, a grant proposal, or a school improvement plan.
- The availability of faculty for the applicant's chosen specialization.

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Educational Technology, MEd (EDTECHMED)

Online Degree Search Title: Educational Technology (MEd)

Campus: TEMPE

Program Description: The M.Ed. in educational technology program has a strong focus on design, development, evaluation, implementation and management of educational technology applications to support learning. The program meets the needs of two groups of potential applicants: teachers and instructional designers.

Graduates of the program typically are employed in schools, community colleges and universities or as training specialists or instructional designers in corporate settings.

Degree Requirements: 30 credit hours including the required course (EDT 593) and an Applied Project.

In consultation with an academic advisor, each student develops a program of study in one of two tracks: 1) technology for teaching, or 2) instructional design and technology.

Required Courses (12 credit hours)

- EDT 501 Foundations and Issues in Educational Technology (3).
- EDT 502 Design and Development of Instruction (3).
- EDP 540 Theoretical Views of Learning (3).
- EDT 593 Applied Project (3)

Specialization

Each student completes 9 credit hours of required course work in one of the following tracks:

Technology for Teaching (Required Courses for the Specialization)

- EDT 511 Technology Applications in Education (3).
- EDT 524 Principles and Issues in Online Teaching (3).
- EDT 598 Methods of Online Teaching (3).

Instructional Design and Technology (Required Courses for the Specialization)

- EDT 503 Instructional Media Design (3).
- EDT 504 Development of Computer-Based Instruction (3).
- EDT 506 Educational Evaluation (3).

Electives

Students in both tracks select a minimum of nine credit hours of elective course work from specialty areas such as distance learning, emerging technologies or training and media development.

Admission Requirements: All applicants must meet Graduate College admission standards, including English proficiency, and submit the Graduate College online application. Applicants are asked to submit:

- Transcripts showing conferral of a bachelor's from a regionally accredited institution.
 - Three email addresses for professional recommendations.
 - A personal statement.
 - A resume.
 - Additional test scores required for students who do not have three or more years of professional experience as a teacher, trainer or instructional designer:
- GRE scores of 500 or above on the verbal reasoning and quantitative reasoning sections of the GRE (within past five years).
 - Miller Analogies Test (MAT) scores of 400 or above (within the past five years).

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Educational Technology, PHD (EDTECHPHD)

Online Degree Search Title: Educational Technology (PhD)

Campus: TEMPE

Program Description: The focus of the Ph.D. program in educational technology is on the design, development and evaluation of instructional systems and on educational technology applications to support learning. The doctoral program emphasizes research using educational technology in applied settings.

The program prepares students for a variety of professional positions. Graduates are typically employed as university faculty, educational technologists or instructional designers in universities, community colleges and schools or as training managers in corporate settings.

Degree Requirements: 84 credit hours, a Written Comprehensive Exam, a Prospectus and a Dissertation.

The following course work is required for all students in the program:

Required Courses (24 hours)

- EDP 540 Theoretical Views of Learning (3).

- EDP 552 Multiple Regression and Correlation Methods (3).
- EDP 554 Analysis of Variance Methods (3).
- EDT 501 Foundations and Issues in Educational Technology (3).
- EDT 502 Design and Development of Instruction (3).
- EDT 503 Instructional Media Design (3).
- EDT 504 Development of Computer-Based Instruction (3).
- EDT 506 Educational Evaluation (3).
- EDT 701 Research in Educational Technology (3).

Elective Courses (30 hours)

Students select a minimum of 30 credit hours of elective course work in consultation with a faculty advisor or doctoral committee chair.

Practicum Hours (6 & research, below)

Students must earn at least 18 semester hours of credit for practicum courses. Students will complete three different practica while in the program: instructional design (typically EDT 780, 3 credits), teaching (typically EDT 680, 3 credits) and a research practicum.

Research & Dissertation (24 hours)

Admission Requirements: All applicants must meet Graduate College admission standards, and submit the Graduate College online application. The online application requires:

- Transcript showing conferral of a bachelor's from a regionally accredited institution. A four-year undergraduate GPA of 3.20 or above.
- Three email addresses for professional recommendations.
- A personal statement.
- A resume.
- GRE scores: Scores of 500 or above on the verbal reasoning and quantitative reasoning sections of the GRE. A score of four or above on the analytical writing section of the GRE.
- English proficiency: A score of 600 (paper-based) or above on the TOEFL or 100 (Internet-based).

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Elementary Education, MEd (TEELEMED)

Online Degree Search Title: Elementary Education (General) (MEd)

Campus: ONLNE, WEST

Program Description: The master's degree in elementary education with a general specialization is designed to assist practicing teachers acquire the knowledge base and skills necessary to develop and provide the most current instructional methods and materials for their students. The program emphasizes practical classroom applications are based on the latest theory, research and best current practice. A general program is designed with the assistance of a faculty advisor to meet the needs of a student's professional and career goals.

Teachers College is not accepting applications for this concentration. Please see the M.Ed. in curriculum instruction website for a comparable program.

Degree Requirements: 33 credit hours and a Written Comprehensive Exam.

Admission Requirements: Applications are currently closed.

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Elementary Education (Educational Technology), MEd (TEEDTECMED)

Online Degree Search Title: Elementary Education (Educational Technology) (MEd)

Campus: ONLINE, WEST

Program Description: The master's degree in elementary education with a specialization in educational technology is designed to assist practicing teachers acquire the knowledge base and skills necessary to develop and provide the most current instructional methods and materials for their students. The emphasis of the program is on practical classroom applications that are based on the latest theory, research and best current practice. Some classes are delivered online.

Teachers College is not accepting applications for this concentration. Please see the educational technology program for a comparable program.

Degree Requirements: 33 credit hours and a Portfolio.

Admission Requirements: Applications are currently closed.

Contact Information:

Teachers College, Mary Lou Fulton
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Elementary Education (Reading), MEd (TERDGMED)

Online Degree Search Title: Elementary Education (Reading) (MEd)

Campus: WEST

Program Description: The master's degree in elementary education with a specialization in reading is designed to assist practicing teachers acquire the knowledge base and skills necessary to develop and provide the most current instructional methods and materials for their students and to serve as literacy resources for other teachers. The emphasis of the program is on practical classroom applications that are based on the latest theory, research and best current practice. The program leads toward an Arizona state endorsement as a reading specialist.

Teachers College is not accepting applications for this concentration. Please see the M.A. in curriculum instruction website for a comparable program.

Degree Requirements: 33 credit hours and a Written Comprehensive Exam.

Admission Requirements: Applications are currently closed.

Contact Information:

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Elementary Education (Teacher Certification Accelerated), MEd (TEEEACLMED)

Online Degree Search Title: Elementary Education (Teacher Certification Accelerated) (MEd)

Campus: DTPHX, POLY, TEMPE, WEST

Program Description: The M.Ed. in elementary education with Arizona teacher certification is a specialization designed for those with a bachelor's who want to earn an M.Ed. along with Arizona elementary education certification in grades one to eight. Students also receive a Structured English Immersion (SEI) endorsement. Students may choose one of the following delivery modes for which they qualify:

- Intern, Master's and Arizona Certification (InMAC) available only to students who hold a state intern teacher certificate and are employed as teacher of record in a district, charter or private school (alternative pathways to certification).
- Master's and Arizona Certification (MAC) consisting of campus-based courses delivered in two academic semesters (evening) along with daytime field experience, one summer and one additional academic semester of student teaching and the applied project.
- Teacher residency track (known as iTeachAZ), an on-site and daytime immersion program in which all course work and internships are completed within select partner school districts.

Students will need to obtain an IVP fingerprint clearance card through the Department of Public Safety prior to the start of the program in order to complete field experience courses and student teaching internships.

Degree Requirements: 33 credit hours including the required course (EED 593) and an Applied Project.

Students in this program will complete an applied project as part of their plan of study. The applied project is conducted in the student teaching or apprentice teaching school setting.

Admission Requirements: All applicants must meet Graduate College admission standards, including English proficiency, and submit the Graduate College online application. The online application requires:

- Transcripts showing conferral of a bachelor's from a regionally accredited institution.
- Three email addresses for professional recommendations.
- A personal statement.
- A resume.

Contact Information:

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Higher and Postsecondary Education, MEd (EDPOSTMED)

Online Degree Search Title: Higher and Postsecondary Education (MEd)

Campus: TEMPE

Program Description: The M.Ed. in higher and postsecondary education is designed to enhance the knowledge and skills of those who work in institutions of higher education. Graduates are prepared to advance the institutional mission and contribute to operational success through broader understanding and practical experiences.

Highlights of the program include:

- An applied project (nonthesis) that demonstrates the student's learning and development of a selected issue or problem in higher education.
- A variety of course delivery formats.
- Courses that integrate theory to practice through relevant research, models and applied skills.
- Creative practicum experience to advance skills and professional development.
- Success seminar at the beginning of the program to orient students and foster continued success.

Degree Requirements: 30 credit hours including the required course (HED 593) and an Applied Project.

Students will fulfill a minimum of 30 credit hours of course work, including the culminating M.Ed. applied project taken the student's final term.

Admission Requirements: All applicants must meet Graduate College admission standards, including those regarding English proficiency, and submit the Graduate College online application. The online application requires:

- Transcripts showing conferral of a bachelor's from a regionally accredited institution.
- Three email addresses for your professional recommendations.
- A personal statement.
- A resume.

GRE scores are not required for admission.

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Instructional Design and Performance Improvement (certificate), CERT (EDEDTGRCT)

Online Degree Search Title: Instructional Design and Performance Improvement (Graduate Certificate)

Campus: TEMPE

Program Description: The graduate certificate in instructional design and performance improvement focuses on facilitating learning and improving

performance in a variety of settings. The program can be completed within a two-year period, along with a graduate degree or as a stand-alone certificate.

Degree Requirements: 15 credit hours including a Capstone (EDT 504).

- EDT 501 Foundations & Issues in Educational Technology (3).
- EDT 502 Design and Development of Instruction (3).
- EDT 503 Instructional Media Design (3).
- EDT 504 Development of Computer-Based Instruction (3).
- EDT 507 Trends in Performance Improvement (3).

Admission Requirements: All applicants must submit the Graduate College online application, including requirements for English proficiency, and meet all Graduate College admission requirements. The online application requires:

- Transcripts showing conferral of a bachelors from a regionally accredited institution.
- A personal statement.
- A resume.

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Leadership and Innovation (Policy and Administration), EdD (TEINPAEDD)

Online Degree Search Title: Educational Leadership and Innovation (Policy/Admin) (EdD)

Campus: WEST

Program Description: The Ed.D. in leadership and innovation is open to students who have a master's in education or a closely related field. It is a cohort-based program designed to equip educational leaders, innovators and scholars with deep understanding, dispositions and skills to lead change and examine its impacts in one's own workplace. The mission of the program is to develop scholarly practitioners. Key features of this program are:

- Blended courses team taught by two faculty members.
- Fieldwork with a self-selected leader in education or a related field.
- Immersion in action research conducted in local school sites or other workplaces.
- Multiple cycles of action research, culminating with the dissertation, to develop the habit of disciplined inquiry.
- Leader Scholar Communities of five to seven students along with two faculty members who meet regularly and support each student through the dissertation process.

Degree Requirements: 90 credit hours, a Written Comprehensive Exam, an Oral Comprehensive Exam, a Prospectus and a Dissertation (including a Master's degree and 60 credit hours post-Master's).

- Advanced Professional Studies (15).
- Comprehensive examination.
- Directed Field-Based Study (3).
- Dissertation (12).
- Participation in leader scholar communities (6).
- Professional core (15).
- Research core (9).

Admission Requirements: All applicants must meet Graduate College admission standards, including English proficiency, and submit the Graduate College online application. The application requires the following:

- Transcripts from a regionally accredited institution(s) showing conferral of a bachelor's and a master's.
- Three professional references (provide email addresses) who can address the applicant's ability to perform effectively in this program.
- A current resume.
- A personal statement responding to the questions asked in the application.

- A sample of recent professional or academic writing that indicates the ability to write in a professional or scholarly manner. This may include (but is not limited to) an assignment from a graduate course, a review of literature, writing for National Board Certification, a grant proposal, or a school improvement plan. Personal essays or reflections do not meet this requirement.

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Leadership and Innovation (Teaching), EdD (TEINTEEDD)

Online Degree Search Title: Educational Leadership and Innovation (Teaching) (EdD)

Campus: WEST

Program Description: The Ed.D. in leadership and innovation is open to students who have a master's in education or a closely related field. It is a cohort-based program designed to equip educational leaders, innovators and scholars with deep understanding, dispositions and skills to lead change and examine its impacts in one's own workplace. The mission of the program is to develop scholarly practitioners. Key features of this program are:

- Blended courses team taught by two faculty members.
- Fieldwork with a self-selected leader in education or a related field. Immersion in action research conducted in local school sites or other workplaces.
- Multiple cycles of action research, culminating with the dissertation, to develop the habit of disciplined inquiry.
- Leader Scholar Communities of five to seven students along with two faculty members who meet regularly and support each student through the dissertation process.

Degree Requirements: 90 credit hours, a Written Comprehensive Exam, an Oral Comprehensive Exam, a Prospectus and a Dissertation (including a Master's degree and 60 credit hours post-Master's).

- Advanced Professional Studies (15).
- Comprehensive Examination.
- Directed Field-Based Study (3).
- Dissertation (12).
- Participation in Leader Scholar Communities (6).
- Professional Core (15).
- Research Core (9).

Admission Requirements: All applicants must meet Graduate College admission standards, including English proficiency, and submit the Graduate College online application. The application requires the following:

- Transcripts from a regionally accredited institution(s) showing conferral of a bachelor's and a master's.
- Three professional references (provide email addresses) who can address the applicant's ability to perform effectively in this program.
- A current resume.
- A personal statement responding to the questions asked in the application.
- A sample of recent professional or academic writing that indicates the ability to write in a professional or scholarly manner. This may include (but is not limited to) an assignment from a graduate course, a review of literature, writing for National Board Certification, a grant proposal, or a school improvement plan. Personal essays or reflections do not meet this requirement.

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Online Teaching for Grades K-12 (certificate), CERT (TEEDTGRCT)

Online Degree Search Title: Online Teaching for Grades K-12 (Grad Certificate)

Campus: ONLNE

Program Description: This certificate consists of online courses centered on preparing K-12 educators for online teaching along three major domains, which include technological, pedagogical and content-related areas. The goal of this program is to prepare current K-12 teachers to teach in an online environment and to become leaders in the development, implementation and evaluation of online programs. This includes helping students understand how various topics within subject areas are effectively represented using technology and pedagogical strategies required to teach these concepts online. This is accomplished through offering course work that addresses all three domains along with field experience opportunities. Through these experiences, students would be prepared to teach in online and blended educational environments.

Degree Requirements: 15 credit hours including a Capstone (EDT 580).

The certificate requires five courses, each consisting of three credit hours. The culminating experiences for this certificate program is an electronic portfolio that will be completed in EDT 580.

Admission Requirements: All applicants must submit the Graduate College online application and meet all Graduate College admission requirements, including English proficiency. The online application requires:

- Transcripts showing conferral of a bachelor's from a regionally accredited institution.
- A personal statement.
- A resume.

Applicants should have at least one year of K-12 classroom teaching experience and should be able to function successfully in an online environment.

Contact Information:

Teachers College, Mary Lou Fulton

Educational Leadership & Innovation, Division

<http://education.asu.edu/programs/educational-technology>

FAB S236

GraduateEducation@asu.edu

602-543-6358

Physical Education, MPE (ECPHYEDMPE)

Online Degree Search Title: Physical Education - Polytechnic Campus (MPE)

Campus: POLY

Program Description: The M.PE. program produces graduates who have current knowledge of curriculum, instructional practices, and administrative procedures in physical education and sport. Emphasis is placed on improving instructional effectiveness and developing quality sport and physical education programs in school settings. The program has routes for those with a teaching certificate in physical education who wish to advance their skills and knowledge, as well as for those with a teaching certificate in a different subject matter who are interested in a K-12 physical education endorsement.

Degree Requirements: 33 credit hours including the required course (PPE 593), a Written Comprehensive Exam and an Applied Project, or 33 credit hours including the required course (PPE 593), a Written Comprehensive Exam, and an Applied Project (MIP).

The degree has three tracks.

- Physical Education K-12 teaching track:

- Core studies (24).
- Electives (6).
- Applied Project (3).

- Physical Education pedagogy research track:

- Core studies (24).
- Electives (6).
- Applied Project (3).

- Physical Education Initial Teacher Certification track:

- Core studies (24).
- Electives (6).
- Applied Project (3).
- Additional courses for certification.

Admission Requirements: All applicants must meet Graduate College admission standards, including those regarding English proficiency, and submit the Graduate College online application. The online application requires:

- Transcripts showing conferral of a bachelors degree from a regionally accredited institution.
- Three email addresses for references, including former professors who can attest to your ability to do graduate level work and/or those educational professionals who can attest to your experience as an educator.
- A personal statement, including reasons for interest in the program and program match with applicant's professional goals.
- A resume.
- Additional application materials are required for those applying for the initial teaching certificate track, please see program office for details.

Contact Information:

Teachers College, Mary Lou Fulton
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<http://education.asu.edu/programs/physical-education-mpe>
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 602-543-6358

Secondary Education (Educational Technology), MEd (TESEDTCMED)

Online Degree Search Title: Secondary Ed (ED Technology) (MEd)

Campus: ONLNE, WEST

Program Description: The master's in secondary education with a specialization in educational technology is designed to assist practicing teachers acquire the knowledge base and skills necessary to develop and provide the most current instructional methods and materials for their students.

Teachers College is not accepting applications for this concentration. Please see the educational technology program for a comparable program.

Degree Requirements: 33 credit hours and an Applied Project.

Admission Requirements: Applications are currently closed.

Contact Information:

Teachers College, Mary Lou Fulton
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 602-543-6358

Secondary Education (Reading), MEd (TESERDGMED)

Online Degree Search Title: Secondary Education (Reading) (MEd)

Campus: TEMPE, WEST

Program Description: This program advances the knowledge and skill of future high school or middle school teachers. The program leads towards an Arizona state endorsement as a reading specialist. It is designed to assist practicing teachers acquire the knowledge base and skills necessary to develop and provide the most current instructional methods and materials for their students.

Teachers College is not accepting applications for this concentration. Please see the M.A. in curriculum instruction website for a comparable program.

Degree Requirements: 33 credit hours and a Written Comprehensive Exam.

Admission Requirements: Applications are currently closed.

Contact Information:

Teachers College, Mary Lou Fulton
Educational Leadership & Innovation, Division
<http://education.asu.edu/content/future-students>
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Secondary Education (Teacher Certification), MEd (TESCERTMED)

Online Degree Search Title: Secondary Education (Teacher Certification) (MEd)

Campus: DTPHX, POLY, TEMPE, WEST

Program Description: The M.Ed. in secondary education with teacher certification is a specialization designed for those individuals with a bachelor's who want to earn a M.Ed. along with Arizona secondary education certification in grades seven to 12, in a specific subject area. Students also receive a Structured English Immersion (SEI) endorsement. Students may choose one the following delivery modes for which they qualify:

- Intern, Masters and Arizona Certification (InMAC) available to only those students who hold a state intern teacher certificate and are employed as teacher of record in a district, charter or private school (alternative pathways to certification).
- Masters and Arizona Certification (MAC) consisting of campus-based courses delivered in two academic semesters (evening) along with day time field experience, one summer and one additional academic semester of student teaching.
- TEAMS, an intensive accelerated program for math or science certification with year-long field experience/student teaching requirement.

Students will need to obtain an IVP fingerprint clearance card through the Department of Public Safety prior to the start of the program in order to complete field experience courses and student teaching internships.

Degree Requirements: 33 credit hours including the required course (SED 593) and an Applied Project.

The M.Ed. in secondary education requires an applied project, which is included in the student's plan of study and must be completed during student teaching or apprentice teaching.

Admission Requirements: All applicants must meet Graduate College admission standards, including those regarding English proficiency, and submit the Graduate College online application. The online application requires:

- Transcripts showing conferral of a bachelor's from a regionally accredited institution.
- Email addresses for three professional recommendations.
- A personal statement.
- A resume.
- Demonstrate mastery of content area the student plans to teach:
 - Transcript showing conferral of a bachelor's in the content area (e.g., mathematics, biology, English, etc.).
 - 24 credit hours of classes in the content area.

Contact Information:

Teachers College, Mary Lou Fulton
Educational Leadership & Innovation, Division
<http://education.asu.edu/content/masters-and-teacher-certification-programs>
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GraduateEducation@asu.edu
602-543-6358

Special Education (Teacher Certification), MEd (TESECRTMED)

Online Degree Search Title: Special Education (Teacher Certification) (MEd)

Campus: DTPHX, POLY, TEMPE, WEST

Program Description: The M.Ed. in special education with Arizona teacher certification is a specialization designed for those individuals with a bachelor's who want to earn a M.Ed. along with dual Arizona certifications in K-12 special education (mild cross-categorical) and grades one to eight elementary education. Students also receive a Structured English Immersion (SEI) endorsement. Students may choose one the following delivery modes for which they qualify:

- Intern, Masters and Arizona Certification (InMAC) available to only those students who hold a state intern teacher certificate and are employed

as teacher of record in a district, charter or private school (alternative pathways to certification).

- Masters and Arizona Certification (MAC) consisting of campus-based courses delivered in two academic semesters (evening) along with day time field experience, one summer and one additional academic semester of student teaching.

Students will need to obtain an IVP fingerprint clearance card through the Department of Public Safety prior to the start of the program in order to complete field experience courses and student teaching internships.

Degree Requirements: 33 credit hours including the required course (SPE 593) and an Applied Project.

Students must complete 33 credit hours and an applied project. The applied project is completed during the student teaching or apprentice teaching experience.

Admission Requirements: All applicants must meet Graduate College admission standards, including those regarding English proficiency, and submit the Graduate College online application. The online application requires:

- Transcripts showing conferral of a bachelor's from a regionally accredited institution.
- Three email addresses for professional recommendations.
- A personal statement.
- A resume.

Contact Information:

Teachers College, Mary Lou Fulton
Educational Leadership & Innovation, Division
<http://education.asu.edu/content/masters-and-teacher-certification-programs>
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Technology for Teaching and Learning (certificate), CERT (EDEDTTGRCT)

Online Degree Search Title: Technology for Teaching and Learning (Grad Certificate)

Campus: TEMPE

Program Description: The graduate certificate in technology for teaching and learning is geared towards classroom teachers who want to become skilled at integrating technology in the curriculum. Students will acquire the knowledge and skills needed to meet the National Education Technology Standards for Teachers (NETS) developed by the International Society for Technology in Education (ISTE) and being adopted by the National Council for Accreditation for Teacher Education (NCATE). All courses will be offered online and face-to-face. The certificate program can be completed within a two-year period.

Teachers College is not accepting applications for this program at this time. Please see the educational technology website for more information.

Degree Requirements: 15 credit hours including a Capstone Course (EDT 591).

Students must successfully complete four out of a possible six educational technology courses before completing a three-credit required capstone course.

Admission Requirements: Applications are currently closed.

Contact Information:

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Technology & Innovation, College of

Agribusiness, MS (AGAGRIBMS)

Online Degree Search Title: Agribusiness (Polytechnic Campus) (MS)

Campus: POLY

Program Description: The Morrison School of Agribusiness and Resource Management in the College of Technology and Innovation at the Polytechnic campus offers the M.S. in agribusiness. This degree is designed to prepare students from a variety of backgrounds with a set of critical and analytical business skills, while recognizing the unique demands of the agribusiness and resource management sectors. Graduates are well

prepared for successful administrative or managerial careers with either government or private-sector organizations in either field. Students are able to select either a research-oriented program, which leads to the completion of a supervised thesis, or a program consisting of course work only (nonthesis option). The nonthesis option allows students to develop an area of specialization and apply these skills to a real-world agribusiness problem through an integrative, capstone course experience. Both the thesis and nonthesis options require the completion of a common set of core courses.

Degree Requirements: 30 credit hours and a Thesis, or 30 credit hours including a Capstone Course (AGB 589), or 30 credit hours, a Written Comprehensive Exam and including a Capstone Course (AGB 589) (MIP).

Core requirements for this program include 21 credit hours of course work. Thesis students fulfill the remaining 15 credit hours by taking three research credits, six thesis credits and six hours of electives. Nonthesis students fulfill the remaining hours by taking 15 hours of electives.

It is suggested that students take a coherent sequence of courses such as those indicated below, but considerable flexibility is possible based on individual backgrounds and interests.

Thesis and Nonthesis M.S. in Agribusiness

Semester I

AGB 528 Advanced Agribusiness Marketing (3)

AGB 560 Advanced Agribusiness Management Systems (3)

AGB 561 Applied Econometrics (3) Semester II

AGB 511 Advanced Agribusiness Management (3)

AGB 532 Advanced Agribusiness Finance (3)

AGB 570 Managerial Economics for Agribusiness (3) Semester III

500-level AGB emphasis electives (6)

AGB 589 Agribusiness Capstone (3) Semester IV

500-level AGB emphasis or other electives (9)

Thesis Option

AGB 592 Research (3)

AGB 599 Thesis (6)

Admission Requirements:

- Applicants to the program are required to submit the Graduate College online application and meet the minimum requirements for admission to the Graduate College, including those regarding English proficiency.
- Scores from the GRE, Miller Analogies Test or GMAT are required.
- Applications must include a curriculum vitae and statement of purpose. The statement of purpose must offer evidence of the applicant's basic skills in economics, accounting, statistics and computer use, as well as some experience or knowledge in an area related to agribusiness.
- Letters of recommendation are suggested.

The application deadline for admission in the fall semester is Feb. 1. The application deadline for the spring semester is Oct. 1.

The Morrison School of Agribusiness and Resource Management awards assistantships to selected candidates. These support ongoing research and teaching activities. The awards are made on the basis of availability and according to the needs of the faculty and interests of the students.

Scholarships are also available on a competitive basis for qualified candidates.

Contact Information:

Technology & Innovation, College of

Morrison School of Agribusiness and Resource Mgmt

<http://technology.asu.edu/morrison>

SANTN 230

morrisonsschool@asu.edu

480-727-1586

Applied Biological Sciences, MS (TSAPBIOSMS)

Online Degree Search Title: Applied Biological Sciences (MS)

Campus: POLY

Program Description: The M.S. in applied biological sciences is designed to prepare students who are technically proficient in the laboratory and the field, who know the technical literature in their field of research, who are articulate in oral and written communication and who understand the societal and policy implications of their work. Knowledge and skills learned prepare students for careers as biologists, natural resource managers, environmental consultants, other professional areas or doctoral studies.

The degree is supported by faculty with backgrounds in:

- Biotechnology.
- Ecological restoration.
- Environmental biotechnology.
- Environmental policy.
- Plant systematics.
- Urban horticulture.

- Wildlife biology.

All students are required to complete a core of graduate courses, conduct a research project under the direction of a faculty member and prepare and defend a research thesis.

Degree Requirements: 30 credit hours and a Thesis, or 30 credit hours including the required course (ABS 593) and an Applied Project.

Plan of Study: All students are required to complete two seminars: ABS 591 in the spring semester and ABS 691 in the fall semester. The remaining hours are chosen to support the student's educational objectives.

There are no foreign language requirements and no comprehensive examinations.

Thesis Requirements: A thesis which constitutes six credit hours, of the total 30 hours, is required .

Final Examinations: A final oral examination covering the thesis and related subject matter is required.

Admission Requirements: All applicants must submit an online application to the Graduate College and must meet the minimum requirements for admission, including those regarding English proficiency. In addition, scores from the GRE or Miller Analogies Test are required. Applicants are expected to have completed 18 credit hours in biological sciences and closely-related courses. Specific fields of study may have specific expectations regarding courses taken at the undergraduate level. Applicants not meeting these course requirements may be considered for admission with deficiencies.

Submit the following separate application materials to:

Graduate College Admissions

Arizona State University

Interdisciplinary B #170

PO Box 871003

Tempe, AZ 85287-1003

- A resume.
- A statement of intent (maximum 600 words) explaining the applicant's interest in environmental resources, academic background and educational objectives.
- Three letters of recommendation from references who are qualified to comment on the applicant's potential in the selected area of study.

Application Deadlines

For fall enrollment, application materials are due to the Department of Applied Sciences and Mathematics and the Graduate College by March 15.

For spring enrollment, application materials are due to the Department of Applied Sciences and Mathematics and the Graduate College by Oct. 15.

Selection Procedures and Notifications

Department faculty evaluate the applications and supporting materials and recommend to the Graduate College whether the applicant should be granted regular or provisional admission or if admission should be denied. If admission is provisional, the Graduate College, in its letter of admission, specifies the provisions that need to be met to gain regular status. The school informs successful applicants of the procedures for enrollment.

Contact Information:

Technology & Innovation, College of

Department of Applied Sciences and Mathematics

<http://technology.asu.edu/dasm>

WANER 101

appliedbiologicalscience@asu.edu

480-727-1444

Applied Psychology, MS (ECAPSYCHMS)

Online Degree Search Title: Applied Psychology (Polytechnic Campus) (MS)

Campus: POLY

Program Description: The M.S. in applied psychology in the College of Technology and Innovation is a two-year program that provides students with opportunities for practical experience in diverse laboratories as well as internships in a variety of settings. The program is hands-on and challenging, and the field is growing quickly, creating opportunities for further study and employment. The areas of application include:

- Applied cognitive science.
- Consumer psychology.
- Human factors.
- Learning design.
- Sports psychology.

Recent graduates are working at places like Intel, Boeing, GoDaddy.com and the Air Force Research Lab. Recipients of our master's have also gone on to pursue a doctorate at ASU and other prestigious programs.

The program offers specialized training to complement the B.S. in applied psychology in the College of Technology and Innovation.

Degree Requirements: 30 credit hours and a Thesis, or 30 credit hours including the required course (PSY 593) and an Applied Project. This M.S. requires the completion of 30 credit hours with grades of "B" (3.00) or higher. Students have the option of doing a thesis or an applied project to develop and demonstrate professional knowledge and skills. Students who plan to go on to a doctoral program are encouraged to complete a thesis. Work on the thesis will continue for at least a calendar year, under faculty supervision. The first three credits will be devoted to developing an idea and preparing a proposal for approval by a faculty committee. The next three credits will allow for preparing the details of research design and data collection for the thesis (materials, computer programs, experimental text beds, questionnaires, etc.). The final six credits will be devoted to collecting and analyzing data and writing and revising the thesis under the direction of the advisor. Students will defend the thesis in an oral examination.

Students selecting the applied project option will, under the guidance of an advisor, allocate the 12 credit hours to a combination of research, practicum, project activities and report-writing appropriate to the goals of the student and the program and the availability of practicum or internship opportunities. In all cases, the project will culminate in a substantial written report followed by a comprehensive oral examination covering the project and other materials from required courses.

Admission Requirements: Applicants must submit an online Graduate College application. Applicants must have a bachelor's in psychology or a related field (including engineering, computer science or business), an undergraduate GPA of 3.00 or better. GRE testing is required. Applicants must apply through the online application with the Graduate College to be considered, including those for English proficiency. Applicants must also provide a personal statement describing their professional and academic aspirations, as well as three letters of reference from college professors and/or employers (in a field relevant to human factors work).

To guarantee full consideration, applicants must submit all required materials by Jan. 15 for admission in the fall of that year. We do also offer spring admissions, and all materials for admission must be received by Oct. 1 to guarantee full consideration. We do offer rolling admissions for exceptional candidates, although we cannot guarantee funding for students accepted outside of our regular application period.

Contact Information:

Technology & Innovation, College of
Faculty of Applied Psychology
<http://technology.asu.edu/appliedpsych>
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480-727-1781

Business Administration (Agribusiness), PHD (BAAGRIPHD)

Online Degree Search Title: Agribusiness (PhD)

Campus: POLY, TEMPE

Program Description: The objective of the Ph.D. in business administration with a concentration in agribusiness is to produce scholars who are trained in the latest methods of business and economic analysis who can apply these methods to critical research problems faced by firms in the agribusiness industry. With this background, graduates with a concentration in agribusiness are qualified to assume teaching and research positions at top-ranked research universities.

Agribusiness doctoral students are involved with research in:

- Consumer behavior in food markets.
- Derivatives, commodity trading and risk management.
- Food and fiber supply chain management.
- International agricultural trade and policy.
- Strategic marketing by food retailers.

Degree Requirements: 84 credit hours, a Written Comprehensive Exam, a Prospectus and a Dissertation.

Plan of Study

At least 30 hours (which may include research credit) of the approved doctoral program and 12 dissertation hours must be completed after admission to the student's doctoral program. Students may not apply credit hours earned for a doctorate previously awarded at ASU or another institution toward their current ASU doctorate. However, at the individual academic unit's discretion, students may apply up to 30 credit hours from a previously awarded master's toward their doctoral plan of study.

Agribusiness doctoral students are expected to develop a program of study that consists of three elements:

- A core of theory and quantitative methods course work in economics and management from the Morrison School of Agribusiness and Resource Management.
- Advanced courses in at least one of economics, finance, marketing, supply chain management or management from the W.P. Carey School of Business.
- A three-course sequence of doctorate-level theory and methods as applied to issues and concepts specific to the agribusiness sector from the Morrison School of Agribusiness and Resource Management.

The agribusiness doctorate is designed to allow "flexibility with focus," so each student's program of study is unique, but is designed to produce the highest level of research competency in the student's chosen area of interest.

Comprehensive Examinations

Upon completion of all necessary course work on a student's approved program of study, the academic unit may initiate the scheduling and administering of a student's comprehensive examinations. The comprehensive examination consists of a minimum of a written exam; at the discretion of the academic unit, an oral exam may also be required.

Candidacy

Doctoral students are notified of achieving candidacy status in a letter from the dean of the Graduate College upon 1) passing the comprehensive examinations, and 2) successfully defending the dissertation prospectus.

Dissertation Requirements

Students are required to present a dissertation to satisfy the research requirement for the doctorate. The dissertation is defended in an oral examination commonly known as the dissertation defense.

Students must be enrolled in at least one credit hour that appears on the program of study or one hour of appropriate graduate-level credit (such as 795 Continuing Registration) during the semester (including summer session) in which the student defends the dissertation.

Note: For detailed information regarding the university's doctoral degree requirements, please refer to the Graduate College's Doctor of Philosophy policy and procedures.

Maximum Time Limit

Doctoral students must complete all program requirements within a 10-year period. The 10-year period starts with the initial enrollment into the doctoral program. In addition, the student must take the final oral examination in defense of the dissertation within five years after passing the comprehensive examinations. Any exception must be approved by the supervisory committee and the dean of the Graduate College and ordinarily involves repetition of the comprehensive examinations.

Admission Requirements: All applicants must submit the Graduate College online application. Applications are initially reviewed by a faculty committee using a portfolio approach. In addition to GRE or GMAT scores and prior academic performance, letters of recommendation and a personal statement are reviewed to ensure a good fit between the student's goals and the department. A recommendation for action is then made to the director of the Morrison School of Agribusiness and Resource Management in the College of Technology and Innovation who, in turn, makes a recommendation to the Graduate College. The Graduate College admits or denies each applicant and notifies them in writing. The application deadline for admission in the fall semester is Feb. 1.

Contact Information:

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Computing Studies, MCSt (TSCOMPMCST)

Online Degree Search Title: Computing Studies - Polytechnic Campus (MCST)

Campus: POLY

Program Description: The computing faculty of the Department of Engineering offers the M.C.St. graduate program. The program is designed for students with the equivalent of a bachelor's in computing and requires 33 credit hours of graduate instruction, including a two-semester culminating experience. The program prepares students with the technical and professional knowledge necessary for career advancement and positions of leadership in computing.

As a discipline, computing is evolving rapidly; the body of knowledge in computer science and software engineering is constantly changing, and the impact computing has on society is growing at an astonishing pace. The program uses project-based, laboratory-rich curriculum to prepare graduates for careers that contribute to computing's disciplinary context.

M.C.St. graduates have strong technical foundation; practiced communication and teaming skills; familiarity with the tools, languages and methods of the profession; understanding of the concepts and practices underlying software design and construction; and significant background in at least one computing application area. Graduates of the M.C.St. program may pursue advanced research degrees in computing, employment or leadership in computing, or pursue careers in application areas. The computing faculty are especially strong in enterprise systems, software engineering, visual analytics, computer gaming, embedded systems, and mobile computing. In addition to academic credentials, departmental faculty have extensive industry experience.

Degree Requirements: 33 credit hours and a Thesis, or 33 credit hours including the required course (CST 517 or CST 518) and a Capstone, or 33 credit hours including the required course (CST 593) and an Applied Project.

The plan of study must contain approved graduate-level course work. The program offers a set of courses that comprise the foundations of advanced study in computing: software development, communications and teaming, computing research methods, data structures, algorithms, and computing language concepts. A student's program of study must include the following core courses that provide the graduate computing foundation:

CST 500 Research Methods (3)

CST 501 Advanced Data Structures and Algorithm Analysis (3)

CST 502 Emerging Language and Programming Paradigms (3)

CST 515 Software Enterprise: Inception and Elaboration (3)

CST 516 Software Enterprise: Project and Process Management (3)

Students are encouraged to identify four graduate CST computing courses (12 credits) of specialization course work that contributes to their individual educational objectives. Of the four, two courses (6 credits) may be entry-level graduate courses. Program faculty offer optional graduate-level courses that provide specialized treatment in areas such as embedded systems, mobile computing, computer gaming, visual analytics, service oriented computing, enterprise systems and software architecture and design.

Students also select one of three culminating experiences (6 credits): thesis, applied project or software capstone.

Thesis

Students who select the thesis option develop a project and thesis paper that reflects innovation in a specialization area. The thesis is developed over two successive semesters by registering for three credits of CST 599 Thesis each semester. Before registering for CST 599, the student identifies a faculty committee consisting of a chair in the specialization area and two other members. The committee directs the development of the thesis and gauges its merit at completion.

Applied Project

Students who select the applied project option develop a project and paper that reflects advanced application knowledge in a specialization area. The project is developed over two successive semesters by registering for three credits of CST 593 Project in the first semester and registering for another three credits of CST 593 Project in the second semester. Before registering for the project in the first semester, the student identifies a faculty committee consisting of a chair in the specialization area and two other members. The committee directs the development of the applied project and gauges its merit at completion.

Software Capstone

Students who select software capstone formulate an advanced analysis of the software enterprise and participate in a team-based, two-semester software factory experience. Students develop a portfolio demonstrating achievement of learning outcomes. A committee of three faculty provide mentorship and assess student achievement of outcomes. Students take the software capstone in two successive semesters by registering for CST 517 in one semester and registering for CST 518 in the following semester.

Admission Requirements: Applicants must submit an online Graduate College application. Applicants are expected to satisfy all requirements for admission to the Graduate College, including a Graduate College online application. It is recommended that applicants have completed a bachelor's in computing. Excellent applicants with partial computing background may be admitted with undergraduate computing deficiencies that must be completed early in the graduate program. Applicants must submit scores for the GRE, including verbal, quantitative and analytical. The subject test in computer science is not required. International applicants must submit results of the Test of English as a Foreign Language (TOEFL). Applicants for fall semester admission should submit all materials to the Graduate College by March 1, and applicants for spring semester should submit all admission materials by Oct. 1.

Contact Information:

Technology & Innovation, College of
Department of Engineering
<http://technology.asu.edu/computing>
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480-727-2727

Simulation, Modeling, and Applied Cognitive Science, PHD (TSSMACSPHD)

Online Degree Search Title: Simulation, Modeling, and Applied Cognitive Science (PhD)

Campus: POLY

Program Description: Simulation, modeling and applied cognitive science describes a growing transdisciplinary field (including the disciplines of psychology, engineering and computer science) that explores how people interact with technological and social systems in contexts that include transportation, medicine, military, computing and other complex systems. Cognitive science provides the foundation necessary for integrating human capabilities and limitations into complex sociotechnical systems (i.e., the practice of cognitive engineering), and the application of cognitive science relies heavily on simulation and modeling methods.

A large domain exists in which coupling applied cognitive science with simulation and modeling is imperative. Examples include:

- Development of intelligent agents.
- Driving simulators for research on driver distraction.
- Dynamical systems models of team interaction.
- Gaming simulators for studying business decision-making.
- Human-in-the-loop simulation studies of cybersecurity analysis.
- Models of cognitive states and processes or sociocultural systems.
- Medical simulation for health care research.
- Nuclear control room simulation for improved human system integration.
- Pilot training research using aircraft simulators.
- Tests of future airspace control concepts using air traffic control simulators.

This Ph.D. is designed to produce individuals who are well-grounded in simulation, modeling and cognitive science and skilled in its methods. Employers (e.g., Department of Defense, Federal Aviation Administration, Nuclear Regulatory Commission, hospitals) have an ever-increasing

demand for personnel who can bridge the gap between rigorous science and solutions to real-world problems. The doctorate will provide transdisciplinary, research-driven training in the computing, engineering, technology, applied cognitive science and human systems integration.

Degree Requirements: 84 credit hours, a Written Comprehensive Exam, an Oral Comprehensive Exam, a Prospectus and a Dissertation. Students will work with a committee of at least three faculty members to design a program of study tailored to the student's interests and background. There will be considerable flexibility in setting the plan of study but it must include a minimum number of credit hours in the areas of foundations, tools and methods, applications, research and scholarship. The program should also aim for an interdisciplinary education by including work in various disciplines. The degree requires 84 credit hours, with up to 30 credit hours accepted from a previously awarded master's. Electives can be chosen to provide additional breadth or depth depending on the student.

Admission Requirements: Applicants must submit an online Graduate College application. Applicants whose native language is not English (regardless of where they now reside) must provide proof of English proficiency. A master's in psychology, engineering, cognitive science, computer science or closely related field is required. Applicants should submit:

- A transcript from their master's program.
- GRE scores (taken within the last five years).
- A statement of research interests.
- Three letters of recommendation.

The application deadline fall semester is Jan. 31 of that calendar year.

Contact Information:

Technology & Innovation, College of
Faculty of Applied Psychology
<http://technology.asu.edu/appliedpsych>
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Nancy.Cooke@asu.edu
480-988-2173

Technology (Alternative Energy Technologies), MSTech (TSATMSTECH)

Online Degree Search Title: Alternative Energy Technologies (MSTech)

Campus: POLY

Program Description: The M.S.Tech. with a concentration in alternative energy technologies explores the demands of energy resources in the new economy. This program is designed with sufficient flexibility to permit the student to select a combination of courses in a technical concentration, alternative energy technologies and a supporting area, to meet individual career goals. The research activities in the alternative energy technologies field include the use of energy sources such as solar, wind, ocean, geothermal and biomass. At the heart of the program is the concept of the solar-hydrogen cycle, a renewable energy scenario that comprises production of electricity from solar energy, and utilizing electricity to split water into its elemental parts. The required research provides students with an opportunity to develop special research and application skills directly related to individual needs and objectives in the field of alternative energy technologies.

Degree Requirements: 33 credit hours and a Thesis, or 33 credit hours including the required course (EST 593) and an Applied Project.

Thesis Option (33)

Concentration (15-16)

Supporting Area (8-9)

Research methods courses:

EST 500 Research/Writing (2)

EST 591 Graduate Seminar (1)

EST 599 Thesis (6)

At least nine hours of 500-level course work must be included in the technical concentration. Students may take up to six credit hours of 400-level course work to broaden their technical knowledge within the concentration or supporting area. Students are required to complete six hours of EST 599 Thesis, write a thesis and make an oral defense. All course work applied toward the minimum 33-credit-hour total must be at the 400 and 500 levels.

Nonthesis Option (33)

Concentration (15-18)

Supporting Area (9-12)

Research Methods Courses:

EST 500 Research/Writing (2)

EST 591 Graduate Seminar (1)

EST 593 Project (3)

At least nine hours of 500-level course work must be included in the technical concentration. A maximum of three credit hours of EST 593 Applied Project may be applied toward the 20-credit -hour, 500-level minimum. Additional background deficiency hours may be required. All course work outside the Department of Engineering Technology must be preapproved by the department chair.

A final oral defense of the applied project is required. A copy of the applied project report or thesis must be submitted before the candidate is eligible for this examination.

Plan of Study

Course work: The student selects a concentration and supporting area, as well as a subset of courses from each area. Specifically, five to six courses are selected from the concentration area, and three or four are selected from the supporting area. Early in the program, the student identifies a major advisor, who is a faculty member of the department interested in the selected area of concentration. The student works with the major advisor and committee to develop the program of study and, subsequently, to carry out the research component of the program.

Research: Each student, as a part of the degree program, is required to complete an applied project or thesis within the student's area of emphasis. The applied project includes a written report.

Research Activity: Research activities in the Department of Engineering Technology include systems, circuit applications and digital design.

M.S.Tech. candidates will find a broad range of research that can lead to an applied project or thesis.

Admission Requirements: Applicants are required to have earned a bachelor's that includes a minimum of 30 credit hours or equivalent in a technology area including course work applicable to the concentration being sought, and a minimum of 16 credit hours of mathematics and science. Depending upon the background of the student, the following application materials are necessary:

- Graduate College online application.
- Application fee.
- Domicile affidavit for applicants claiming Arizona residency.
- Financial guarantee form (required for international students). Visit the Graduate College website for more information.
- Official transcripts from every college and university previously attended.
- Test score reports. The GRE is required by the Department of Engineering Technology. The Test of English as Foreign Language (TOEFL) report may be necessary for international students.

Letters of recommendation are not required but up to two will be considered. Letters may be helpful during the admission process if the candidate's qualifications are atypical or the letters provide information not typically addressed in the required admission materials listed above. Letters can be uploaded during the application process or be sent directly to the department. For more information, please contact the department or the Graduate College.

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Technology (Aviation Management and Human Factors), MStech (TSHFMSTECH)

Online Degree Search Title: Aviation Mgmt/Human Factors (MStech)

Campus: POLY

Program Description: The M.S.Tech. program offers a concentration in aviation management and human factors in the Department of Aeronautical Management Technology within the College of Technology and Innovation Applied Sciences. The program focus is on preparing graduates for a career in the aviation industry or is the foundation for further advanced study. Courses are offered at the Polytechnic campus, with some courses offered online. Graduates of this program are provided with technical and professional skills for use in leadership positions in industry and education. The program is designed for flexibility, permitting the student to select a combination of courses in technical and supporting areas, to meet individual goals.

Degree Requirements: 33 credit hours and a Thesis, or 33 credit hours including the required course (AMT 593) and an Applied Project. The following are the core requirements for meeting the department's goal to provide an in-depth research and statistics background early in the program as a foundation for the student's thesis or applied project. The comprehensive elective curriculum design will offer courses that reflect current and applied topics.

Core Requirements

Course selection must include the following core courses:

OMT 504 Law and Ethics for Technical Professionals

OMT 549 Research Methods or equivalent

PSY 530 Intermediate Statistics

Students have a choice of selecting a thesis option (nine credit hours of core courses plus 18 credit hours of selected course work) or an applied project option (nine credit hours of core courses plus 21 credit hours of selected course work). The detailed design of the graduate student's total program requirements (33 credit hours) with the selection of the required courses will be the responsibility of the student along with the supervisory committee chair and committee members. The defining guideline for the department will be to match the student's specific career goals and objectives, along with a balanced curriculum that can be achieved in a reasonable time and in accordance with a known course-offering schedule.

Additional Requirements

Eighteen credit hours are required for the thesis option, and 21 credit hours for the applied project option.

AMT 522 Aviation Law (Spring offering)
AMT 523 Intermodal Transportation Management (Summer offering)
AMT 525 Airport Planning and Design (Spring offering)
AMT 526 Aviation Labor Relations (Fall offering)
AMT 527 Airline Management Strategies (Fall offering)
AMT 541 Aviation Physiology (Fall offering)
AMT 546 Crew Resource Management/LOFT (Spring offering)

All master's courses will be 500-level courses. A single course exception (400-level course) may be authorized with the consensus of the supervisory committee. Students in this graduate program also have the opportunity to enroll in Operations Management Technology (OMT) and Cognitive Science and Engineering (CSE) graduate courses. Aviation students must take at least five AMT graduate courses.

Admission Requirements: Applicants must submit an online Graduate College application. Admission to the M.S.Tech. program requires the completion of all general admission requirements and procedures set forth by the Graduate College, including the online Graduate College application. The College of Technology and Innovation requires an appropriate bachelor's from an accredited college or university, with a minimum of 30 credit hours in technology or equivalent and 16 credit hours of physical science and mathematics appropriate to the program pursued. The specific requirements vary within each department. To be considered for admission, a minimum 3.00 GPA is required. A GRE score must be submitted.

Admission to the graduate degree program presupposes an adequate technical preparation in a selected technology at the undergraduate level. The applicant's past work and professional experience are also evaluated and taken into consideration when determining admission classification. Admission into the M.S.Tech. program is based on a number of factors. These include, but are not limited to:

- Applicant's GRE score.
- Likelihood for success.
- Number of students currently enrolled in the program.
- Potential for successful placement.
- References from individuals qualified to judge academic potential.
- Resume.
- Statement of purpose.
- Test of English as a Foreign Language (TOEFL) score for applicants whose native language is not English.
- Undergraduate GPA.

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Technology (Electronic Systems Engineering Technology), MStech (TSSYMSTECH)

Online Degree Search Title: Electronics Engineering Technology (MStech)

Campus: POLY

Program Description: The M.S.Tech. with a concentration in electronic systems promotes greater depth of understanding in electronics and its applications at a system level. The program is designed with sufficient flexibility to permit the student to select a combination of courses in a technical concentration and supporting area to meet individual career goals. The required research provides students with an opportunity to develop special research and application skills directly related to individual needs and objectives.

Degree Requirements: 33 credit hours and a Thesis, or 33 credit hours including the required course (EST 593 or EET 593) and an Applied Project.

The degree requirements for the M.S.Tech. with a concentration in electronic systems engineering technology offered by the Department of Engineering Technology include:

Thesis Option (33)

Concentration (15-16)

Supporting Area (8-9)

Research Methods Courses:

EST 500 Research/Writing (2)

EST 591 Graduate Seminar (1)

EST 599 Thesis (6)

At least nine hours of 500-level course work must be included in the technical concentration. Students may take up to six credit hours of 400-level course work to broaden their technical knowledge within the concentration or supporting area. Students are required to complete six hours of EST 599 Thesis, write a thesis and make an oral defense. All course work applied toward the minimum 33 credit hours total must be at the 400 and 500

levels.

Nonthesis Option (33)

Concentration (15-18)

Supporting Area (9-12)

Research Methods Courses:

EST 500 Research/Writing (2)

EST 591 Graduate Seminar (1)

EST 593 Applied Project (3)

At least nine hours of 500-level course work must be included in the technical concentration. A maximum of three credit hours of EST 593 Applied Project may be applied toward the 20-credit -hour, 500-level minimum. Additional background deficiency hours may be required. All course work outside the Department of Engineering Technology must be preapproved by the department chair.

A final oral defense of the applied project is required. A copy of the applied project report or thesis must be submitted before the candidate is eligible for this examination.

Plan of Study

Course work: The student selects a concentration and supporting area, as well as a subset of courses from each area. Specifically, five to six courses are selected from the concentration area, and three or four are selected from the supporting area. Early in the program, the student identifies a major advisor, who is a faculty member of the department interested in the selected area of concentration, and a committee. The student works with the major advisor and committee to develop the program of study and subsequently to carry out the research component of the program.

Research: Each student, as a part of the degree program, is required to complete an applied project or thesis within the student's area of emphasis. The applied project includes a written report.

Research Activity: Research activities in the Department of Engineering Technology include systems, circuit applications and digital design.

Candidates will find a broad range of research that can lead to an applied project or thesis.

Admission Requirements: Applicants are required to have earned a bachelor's that includes a minimum of 30 credit hours or equivalent in a technology area including course work applicable to the concentration being sought and a minimum of 16 credit hours of mathematics and science. Depending upon the background of the student, the following application materials are necessary:

- Graduate College online application.
- Application fee.
- Domicile affidavit for applicants claiming Arizona residency.
- Financial guarantee form (required for international students). Visit the Graduate College website for more information.
- Official transcripts from every college and university previously attended.
- Test score reports. The GRE is required by the Department of Engineering Technology. The Test of English as Foreign Language (TOEFL) report is necessary for international students.

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Technology (Environmental Technology Management), MStech (TSMGMSTECH)

Online Degree Search Title: Environmental Tech Mgmt (Polytechnic Campus) (MStech)

Campus: ONLNE, POLY

Program Description: The M.S.Tech. with a concentration in environmental technology management provides three areas of study:

- Emergency management.
- Environmental management.
- International environmental management.

Classes are scheduled to accommodate working professionals and minimize disruption of work schedules by meeting six times a semester on alternating Fridays and Saturdays and providing evening and Web-based classes. A completely Web-based distance learning program is also available.

Degree Requirements: 33 credit hours and a Thesis, or 33 credit hours including the required course (ETM 593) and an Applied Project. Concentration area course work includes 12 credit hours of core classes and 15 credit hours of approved electives in addition to six credit hours of thesis or applied project and research.

Supporting course work includes the following areas of study:

- Air pollution.

- Comprehensive emergency management.
- Environmental chemistry.
- Environmental risk assessment.
- Homeland Security.
- International environmental law.
- International environmental management.
- Principles of hazardous materials/waste.
- Soils and groundwater contamination.
- Sustainability and sustainable development.
- Sustainable solid waste management.
- Terrorism, weapons of mass destruction and current issues.
- Water and wastewater treatment technologies.

Admission Requirements: Admission to the M.S.Tech. program requires the completion of all general admissions requirements and procedures set forth by the Graduate College, including the online Graduate College application. The College of Technology and Innovation also requires an appropriate bachelor's degree from an accredited college or university, with a minimum of 30 credit hours in technology or its equivalent and 16 credit hours of science and mathematics appropriate to the program pursued.

Admission to the graduate degree program presupposes an adequate technical preparation in a selected technology at the undergraduate level. Deficiencies for admission to the graduate degree program, if any, are specified at the time of admission. The applicant's past work and professional experience are also evaluated and taken into consideration when determining admission classification. To be considered for regular admission the following are required:

- A minimum 3.00 GPA.
- GRE or Miller Analogies Test.
- A letter of application.
- A current resume for review by the graduate faculty in the technical concentration.
- Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

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Technology (Global Technology and Development), MSTech (TSGTMSTECH)

Online Degree Search Title: Global Technology and Development (MSTech)

Campus: POLY

Program Description: The M.S.Tech. program with a concentration in global technology and development is designed to integrate diverse areas of technical expertise and various academic disciplines with an awareness and understanding of how technology, processes of globalization and society influence one another.

The global technology and development (GTD) concentration provides students with a comprehensive understanding of systems of technology, how they interface and their role in global economic, political and social development and change. The GTD concentration integrates the study of economic, social and political development with technology course work to explore issues critical to 21st-century globalization and the role and impact of technological innovations on societies around the world. Students completing the GTD concentration gain knowledge and skills to become technology interpreters and are prepared for careers in:

- Government service.
- International development.
- International management.
- Technology-related public policy.

Degree Requirements: 33 credit hours and a Thesis, or 33 credit hours including the required course (GTD 593) and an Applied Project, or 33 credit hours, a Written Comprehensive Exam and an Oral Comprehensive Exam.

At least 24 credit hours must be 500-level courses. A maximum of six credit hours of course work at the 400 level can be included in the program of study.

Admission Requirements: Students interested in applying to this degree program must submit the Graduate College online application. Applicants whose native language is not English (regardless of where they now reside) must provide proof of English proficiency. Students applying to the

global technology and development concentration must have:

- An appropriate bachelor's from an accredited college or university.
- A combination of course work in the social sciences and technology/science.
- Some element of international or intercultural knowledge, which could be fluency in a foreign language, academic course work or having resided in another country.

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Technology (Graphic Information Technology), MSTech (TSGIMSTECH)

Online Degree Search Title: Graphic Information Technology (MSTech)

Campus: ONLNE, POLY

Program Description: The M.S. Tech. with a concentration in graphic information technology provides students with the opportunity to study within the various areas of graphics. The areas include:

- 3-D modeling.
- Animation.
- Commercial photography and technical imaging.
- Multimedia.
- Variable data digital printing and publishing.
- Internet and Web development.

The courses offered in this degree program provide students with a working knowledge of the technology and management required of the graphic information industry. This program focuses on cross media publishing and graphic imaging and is not a traditional information technology, computer science, computer information systems or information systems management program. The degree program is offered either as an on-campus or online distance learning format.

Degree Requirements: 33 credit hours and a Thesis, or 33 credit hours including the required course (TMC 593 or GIT 593) and an Applied Project.

All candidates for the M.S.Tech. program are required to complete a minimum of 33 credit hours of graduate course work. Of these, a minimum of 27 credit hours must be 500-level courses and part of the approved program. Additional courses may be assigned by the faculty supervisory committee, depending on the background of the candidate. The minimum degree requirements are as follows:

Thesis Option (33)

- Supporting area (9)
- Technical area of emphasis (18)
- Thesis (6)

Applied Project Option (33)

- Technical area of emphasis (18)
- Supporting area (9)
- Research course (3)
- Applied research project (3)

A maximum of six credit hours (nine ASU credit hours) of appropriate graduate course work completed before admission may be included in the program of study for the degree program. Most graduate degree students in this program elect to do an applied project rather than a thesis. The applied project generally allows the student to thoroughly explore a graphic problem and demonstrate knowledge of the problem, solutions for the problem and suggestions for further explanation of the problem. Students completing the entire degree program through Internet-delivered courses must select the applied project option.

Admission Requirements: Applicants must submit an online Graduate College application.

Admission to the program requires the completion of all general admissions requirements and procedures set forth by the Graduate College, including those regarding English proficiency. The College of Technology and Innovation also requires an appropriate bachelor's from an accredited college or university, with a minimum of 30 credit hours in technology or its equivalent and 16 credit hours of science and mathematics appropriate to the program pursued.

Admission to the graduate degree program presupposes an adequate technical preparation in a selected technology at the undergraduate level. Deficiencies for admission to the graduate degree program, if any, are specified at the time of admission. The applicant's past work and professional experience are also evaluated and taken into consideration when determining admission classification. To be considered for regular admission, a minimum 3.00 GPA is required. Applicants should submit a letter of application, a current resume, and a GRE score to the Department of Engineering for review by the graduate faculty in the technical concentration.

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Technology (Integrated Electronic Systems), MSTech (TSESMSTECH)

Online Degree Search Title: Integrated Electronic Systems (MSTECH)

Campus: POLY

Program Description: The M.S.Tech. with a concentration in integrated electronic systems covers the processes and technology used to develop, design, manufacture and exploit integrated electronic functions on silicon, in packages and on boards. This degree program is designed with sufficient flexibility to permit the student to select a combination of courses in a technical concentration, integrated electronic systems and supporting area to meet individual career goals. The program provides hands-on laboratory experience in integrated circuit device fabrication and manufacturing in a setting that emulates the real industry. The required research provides students with an opportunity to develop special research and application skills directly related to individual needs and objectives in the field of microelectronics. Research activities in the Department of Engineering Technology include circuit applications and digital design. Research is conducted in the areas of microelectronics/integrated electronic systems, including design, device processing/fabrication, silicon device in packages and on boards and exploit integrated electronics functions in various applications. Candidates will find a broad range of research topics that can lead to an applied project or thesis.

Degree Requirements: 33 credit hours and a Thesis, or 33 credit hours including the required course (EST 593) and an Applied Project.

Thesis Option (33)

Concentration (15-16)

Supporting Area (8-9)

Research Methods Courses:

EST 500 Research/Writing (2)

EST 591 Graduate Seminar (1)

EST 599 Thesis (6)

A minimum of 20 credit hours must be 500-level courses. At least nine hours of 500-level course work must be included in the technical concentration. Students may take up to six credit hours of 400-level course work to broaden their technical knowledge within the concentration or supporting area. Students are required to complete six hours of EST 599 Thesis, write a thesis and hold an oral defense. All course work applied toward the minimum 33 credit hour total must be at the 400 and 500 level.

Nonthesis Option (33)

Concentration (15-18)

Supporting Area (9-12)

Research Methods Courses:

EST 500 Research/Writing (2)

EST 591 Graduate Seminar (1)

EST 593 Project (3)

At least nine hours of 500-level course work must be included in the technical concentration. A maximum of three credit hours of EST 593 Applied Project may be applied toward the 20-credit -hour, 500-level minimum. Additional background deficiency hours may be required. All course work outside the Department of Engineering Technology must be preapproved by the department chair.

A final oral defense of the applied project is required. A copy of the applied project report or thesis must be submitted before the candidate is eligible for this examination.

Admission Requirements: Applicants are required to have earned a bachelor's that includes a minimum of 30 credit hours or equivalent in a technology area including course work applicable to the concentration being sought and a minimum of 16 credit hours of mathematics and science. Depending upon the background of the student, the following application materials are necessary:

- Graduate College online application.
- Application fee.
- Domicile affidavit for applicants claiming Arizona residency.
- Financial guarantee form (required for international students). Visit the Graduate College website for more information.
- Official transcripts from every college and university previously attended.
- The GRE is required by the Department of Engineering Technology. Test score reports. The Test of English as Foreign Language (TOEFL) report is necessary for international students.

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Technology (Management of Technology), MSTech (TSMRMSTECH)

Online Degree Search Title: Management of Technology (MSTech)

Campus: POLY

Program Description: The purpose of the M.S.Tech. with a concentration in management of technology is to prepare graduates of the program for leadership roles in technology-driven organizations, whether private or public, and to improve the leadership skills of technically proficient professionals. Students are prepared to successfully transition into leadership positions in their field of expertise and to move into a general leadership role outside their area of technical expertise as their career grows.

This degree program is open to individuals with a technical undergraduate degree who wish to develop their leadership/management skills to complement their technical expertise. The course schedule is tailored to the needs of the student while ensuring that basic leadership and management skills are acquired.

Degree Requirements: 33 credit hours and a Thesis, or 33 credit hours including the required course (TMC 593) and an Applied Project.

It is expected that graduates of the program possess skills in research and the ability to apply these research skills in practice. To achieve this goal, each student is required to complete OMT 549 Research Techniques and either TMC 593 Applied Project or TMC 599 Thesis.

Additionally, each student is required to select four courses (12 credit hours) from the following list:

OMT 503 Marketing Management

OMT 504 Law and Ethics for Technical Professionals

OMT 540 International Management

OMT 548 Statistical Methods for Research

OMT 550 Industrial Training and Development

OMT 552 Global Management Philosophies

OMT 592 Research (1-3)

OMT 598 ST: Advanced Operations Topics

OMT 598 ST: Advanced Quality Topics

OMT 598 ST: Forecasting and Evolution of Technology

OMT 598 ST: Simulation of Operations

TMC 584 Internship (1-3)

Graduate courses from other majors may be selected with approval from the student's graduate advisory committee. These additional courses are selected to support the student's individual career goals and perceived needs. If selecting the thesis option, courses are chosen to support the student's research topic and research methods. To ensure that all courses taken will fit into the plan of study, all students are expected to discuss their tentative plan with their program advisor prior to registering for their first class, and must have an approved plan of study on file by the completion of nine credit hours toward the degree.

Students without a statistics course at the undergraduate level will be required to complete an appropriate course during the first semester in the program. This course will be in addition to the other requirements for the degree. Additional courses may be required to fulfill deficiencies, based on a review of the applicant's transcripts. Please contact the department for more information.

Admission Requirements: All applicants must submit the Graduate College online application. The admission requirements include:

- Bachelor's or the equivalent from a regionally accredited institution.
- Equivalent to a "B" (3.00) average for the undergraduate program of study in the last 60 credit hours or 90 quarter hours of undergraduate course work. If an applicant does not meet the minimum GPA, their application may still be considered although the degree program office may require additional supporting documents.
- International applicants must meet the previous qualifications, plus have a valid minimum Test of English as a Foreign Language (TOEFL) score of 550 on the paper test or a score of 213 on the computer-based test.

The College of Technology & Innovation admission requirements include:

- An appropriate baccalaureate degree from an accredited college or university, with a minimum of 30 credit hours in technology or its equivalent and 16 credit hours of science and mathematics appropriate to the program pursued.
- A current resume.
- A letter of application.
- A minimum 3.00 GPA is required for regular admission.
- A GRE score.

Industrial experience beyond completion of a bachelor's is strongly recommended. Graduate work presupposes an adequate technical preparation in a selected technology at the undergraduate level. Deficiencies for admission to the graduate program, if any, are specified at the time of admission. The applicant's past work and professional experience are also evaluated and taken into consideration when determining admission classification.

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Technology (Manufacturing Engineering Technology), MSTech (TSMFMSTECH)

Online Degree Search Title: Manufacturing Engineering Technology (MSTech)

Campus: POLY

Program Description: At the graduate level, the Department of Engineering Technology offers a M.S.Tech. with a concentration in manufacturing engineering technology. Students can select a technical focus in manufacturing processes, management or automation.

This flexible program permits the student to develop a program of study, with faculty approval, to meet individual career goals. While the program is not an evening program, many courses are offered during late afternoon or early evening.

The program presupposes the student has a sound technical undergraduate degree, but not necessarily in manufacturing engineering. The degree concentration is designed to provide graduates with technical and professional skills that will facilitate preparation for, and advancement in, leadership positions in industry, education, government and military. Laboratories and classrooms are well equipped, and the faculty members teaching the classes have relevant teaching, research, industry and training experience and background.

Research Activity

Department faculty are engaged in theoretical and applied research projects, involving undergraduate and graduate students in manufacturing related projects. Graduate students employed in local industry are encouraged to develop research topics that address problems of interest to their employers. Current research interests of the faculty include:

- Machinability and manufacturing processes.
- Manufacturing.
- Manufacturing cost economics.
- Modeling and simulation.

Applied research projects are carried out in a number of well-equipped laboratories and facilities:

- Automation laboratory.
- Composite materials laboratory.
- Computer numerical control (CNC) machining center laboratory.
- Computer-aided design and computer-aided manufacturing laboratory.
- Energy conversion and combustion laboratory.
- Welding and casting laboratory.

Degree Requirements: 33 credit hours and a Thesis, or 33 credit hours including the required course (MET 593) and an Applied Project.

All course work applied toward the minimum 33-credit-hour total must be at the 400 level or higher with a grade of "B" (3.00) or higher. A maximum of six credits of 400 level course work may be included in the student's plan of study. An oral defense of the written applied or research project (thesis) is required as the final examination in either option. This defense is typically done during the last semester of study. All course work outside the Department of Engineering Technology must be preapproved and on the plan of study.

Thesis Option

In the thesis option, a minimum of 27 credit hours must be 500-level courses, allowing students to take up to six credit hours of 400-level course work to broaden their technical knowledge within the technical concentration or a supporting area. The course work may be a combination of manufacturing, mechanical or aeronautical engineering technology courses or a limited number from outside the department. Students are required to complete six credit hours of MET 599 Thesis, write a thesis and present an oral defense.

Thesis Option (33)

Technical concentration area (18)

Supporting area (6)

Research methods courses: EST 500 Research Writing (2)

EST 591 Research Seminar (1)

MET 599 Thesis (6)

Applied Project Option

In the applied project option, a minimum of 27 credit hours must be 500-level courses, allowing students to take up to six credit hours of 400-level

course work to broaden their technical knowledge within the technical concentration or a supporting area. The course work may be a combination of manufacturing, mechanical or aeronautical engineering technology courses or a limited number from outside the department. The applied project requires a supporting report; the project and report are defended in a final oral examination.

Applied Project Option (33)

Technical concentration area (18)

Supporting area (9)

Research methods courses: EST 500 Research Writing (2)

EST 591 Research Seminar (1)

MET 593 Applied Project (3)

Admission Requirements: Applicants must submit an online Graduate College application.

Applicants are expected to satisfy all requirements for admission to the Graduate College. In addition to the online application and materials required by the Graduate College, applicants are required to provide a resume and statement of purpose to the department.

Recommendation letters are not required but up to two letters will be considered. Letters of recommendation may be helpful during the admission process if the candidate's qualifications are atypical or the letters provide information not typically addressed in the required admission materials listed above. Letters of recommendation can be uploaded during the application process or can be sent directly to the department. For more information, please contact the department or the Graduate College.

Industrial experience beyond completion of a bachelor's is recommended. Applicants with deficiencies in critical undergraduate technical subjects or those not meeting program prerequisites may be required to complete them before being admitted to the degree program.

The GRE is required by the Department of Engineering Technology. If English is not the applicant's native language, the Test of English as a Foreign Language (TOEFL) examination is required.

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Technology (Mechanical Engineering Technology), MSTech (TSMHMSTECH)

Online Degree Search Title: Mechanical Engineering Technology (MSTech)

Campus: POLY

Program Description: At the graduate level, the Department of Engineering Technology offers a M.S.Tech. with a concentration in mechanical engineering technology. Students can select a focus of aeronautical, engineering for the developing world, automotive and automation. This flexible degree program permits the student to develop a program of study, with faculty approval, to meet individual career goals. While the program is not an evening program, many courses are offered during the late afternoon or early evening.

The program presupposes the student has a sound technical undergraduate degree, but not necessarily in mechanical engineering. The degree concentration is designed to provide graduates with technical and professional skills that will facilitate preparation for, and advancement in, leadership positions in industry, education, government and military. Laboratories and classrooms are well equipped, and the faculty members teaching the classes have relevant teaching, research, industry and training experience and background.

Research Activity

Department faculty are engaged in theoretical and applied research projects, involving undergraduate and graduate students in mechanical-related topic areas. Graduate students employed in local industry are encouraged to develop research topics that address problems of interest to their employers.

Current research interests of the faculty include:

- Automation and design.
- Automotive systems.
- Composite materials.
- Aeroelasticity.
- Alternative energy sources.
- Engineering for the developing world.
- Optimization of turbine engines.
- Mechanics education.
- Program management.
- "Smart" materials.

Applied research projects are carried out in a number of well-equipped laboratories and facilities:

- Automation laboratory.
- Composite materials laboratory.
- Computer-aided design and computer-aided manufacturing laboratory.

- Energy conversion and combustion laboratory.
- Materials inspection and metrology laboratory.
- Metallurgy/materials testing laboratory.

For more information on research areas and laboratories, please access the Department of Engineering Technology website.

Degree Requirements: 33 credit hours and a Thesis, or 33 credit hours including the required course (MET 593) and an Applied Project.

All course work applied toward the minimum 33-credit-hour total must be at the 400 level or higher with a grade of "B" (3.00) or higher. A maximum of six credit hours of 400-level coursework may be included on the student's plan of study. An oral defense of the written applied or research project (thesis) is required as the final examination in either option. This defense is typically done during the last semester of study. All course work outside the Department of Engineering Technology must be pre-approved and on the plan of study.

Thesis Option

In the thesis option, a minimum of 27 credit hours must be 500-level courses, allowing students to take up to six credit hours of 400-level course work to broaden their technical knowledge within the technical concentration or the supporting area. The course work may be a combination of manufacturing, mechanical or aeronautical engineering technology courses or a limited number from outside the department. Students are required to complete six credit hours of MET 599 Thesis, write a thesis and present an oral defense.

Thesis Option (33)

- Technical concentration area (18)
- Supporting area (6)
- Research methods courses:

EST 500 Research Writing (2)

EST 591 Research Seminar (1)

MET 599 Thesis (6)

Applied Project Option

In the applied project option, a minimum of 27 credit hours must be 500-level courses, allowing students to take up to six credit hours of 400-level course work to broaden their technical knowledge within the technical concentration or the supporting area. The course work may be a combination of manufacturing, mechanical or aeronautical engineering technology courses or a limited number from outside the department. The applied project requires a supporting report; the project and report are defended in a final oral examination.

Applied Project Option (33)

- Technical concentration area (18)
- Supporting area (9)
- Research methods courses:

EST 500 Research Writing (2)

EST 591 Research Seminar (1)

MET 593 Applied Project (3)

Admission Requirements: Applicants must submit an online Graduate College application.

Applicants are expected to satisfy all requirements for admission to the Graduate College, including the online application. In addition to the materials required by the Graduate College, applicants are required to provide a résumé and statement of purpose to the department.

Recommendation letters are not required but up to two letters will be considered. Letters of recommendation may be helpful during the admission process if the candidate's qualifications are atypical or the letters provide information not typically addressed in the required admission materials listed above. Letters of recommendation can be uploaded during the application process or be sent directly to the department. For more information, please contact the department or the Graduate College.

Industrial experience beyond completion of a bachelor's degree is recommended. Applicants with deficiencies in critical undergraduate technical subjects or those not meeting program prerequisites may be required to complete them before being admitted to the degree program.

The GRE is required by the Department of Engineering Technology. If English is not the applicant's native language, the Test of English as a Foreign Language (TOEFL) examination is required.

Contact Information:

Technology & Innovation, College of
 Department of Engineering Technology
<http://technology.asu.edu/engrtech>
 SIM 295
 engrtech@asu.edu
 480-727-1584

Undergraduate Programs

Minors (Program Descriptions and Requirements)

African and African American Studies Minor (LAAFRMIN)

Campus: TEMPE

Description: The African and African American Studies Program offers an interdisciplinary examination of the many ways in which African and African-descended peoples have created robust lives for themselves and, in turn, contributed to the creation of the modern world. The program's mission is advanced by its core undergraduate curriculum and certificate and minor programs that examine the culture, arts, history, politics, economics and current status of African Americans, Africans and the African Diaspora, especially in the Caribbean, Central America and South America.

The curriculum combines a research-based understanding of the humanities, social and behavioral sciences and the arts with practical applications (internships, community/civic engagement and research projects), to prepare students for lifelong learning, advanced study in a variety of fields and successful careers and productive public service in an increasingly diverse society, especially in Arizona.

Program Requirements: Students will be required to complete 18 credit hours. Six credits will be prescribed core and the remaining 12 elective credit hours will be selected from any of the program prefixes: AFH, AFR, AFS.

Required Core Course: AFS 200 Introduction to African and African Diaspora Studies (3)

Elective Core Course: 3 credits

AFH 300 Precolonial Africa (3)

AFH 305 Global History of the Trans-Atlantic Slave Trade (3)

AFS 301 Race and Racism in Africa/African Diaspora (3)

AFS 302 History of Black Women (3)

Elective Courses: The remaining 12 hours will be completed by selecting courses not taken to fulfill the six required hours and will be selected from any of the program prefixes: AFH, AFR, AFS.

At least 12 of the 18 credit hours must be upper-division courses (300 or higher). All courses must have a "C" (2.00) grade or higher. No course may be used to satisfy more than one requirement in the minor.

Enrollment Requirements: Students in most majors may pursue one or more minors and, upon successful completion of the prescribed course work, have that accomplishment officially recognized on the ASU transcript at graduation if, 1) the college and/or department of the minor officially certifies, through established verification procedures, that all requirements for the minor have been met, and 2) the college (and, in certain colleges, the department) of the student's major allows the official recognition of the minor.

A student wishing to pursue a specific minor should consult an academic advisor in the unit offering that minor to ensure that an appropriate set of courses is taken. The student should also consult an academic advisor in the college or department of the major to make sure the college or department of the major allows the recognition of the minor.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. Inappropriate combinations include (but are not limited to) ones in which an excessive number of courses in the minor are simultaneously being used to fulfill requirements of the student's major.

Contact Information:

Liberal Arts & Sciences, College of

School of Social Transformation

<http://aaas.clas.asu.edu>

WILSN 125

afamstu@asu.edu

480-965-7682

American Indian Studies Minor (LAAISMIN)

Campus: TEMPE

Description: The minor in American Indian studies is designed for students interested in developing an understanding of American Indian issues and analyzing issues through critical inquiry.

Program Requirements: Eighteen credit hours are required, including AIS 180, 285 and 380 and three additional upper-division courses. No pass/fail or credit/noncredit course work may be applied to the minor. A minimum of nine hours must be in-resident credit at the Tempe campus. Students must receive a minimum grade of "C" (2.00 on a scale of 4.00) for all courses in the minor and meet all course eligibility requirements.

Enrollment Requirements: Students in most majors may pursue one or more minors and, upon successful completion of the prescribed course

work, have that accomplishment officially recognized on the ASU transcript at graduation if, 1) the college and/or department of the minor officially certifies, through established verification procedures, that all requirements for the minor have been met, and 2) the college (and, in certain colleges, the department) of the student's major allows the official recognition of the minor.

A student wishing to pursue a specific minor should consult an academic advisor in the unit offering that minor to ensure that an appropriate set of courses is taken. The student should also consult an academic advisor in the college or department of the major to make sure the college or department of the major allows the recognition of the minor.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. Inappropriate combinations include (but are not limited to) ones in which an excessive number of courses in the minor are simultaneously being used to fulfill requirements of the student's major. Please contact the department for more information.

Contact Information:

Liberal Arts & Sciences, College of
American Indian Studies Program
<http://americanindian.clas.asu.edu/>
DHALL 356
AIS@asu.edu
480-727-7056

American Studies Minor (ASAMSMIN)

Campus: WEST

Description: The American Studies minor offers students the opportunity to pursue an interest in the interdisciplinary study of American culture. This interdisciplinary minor is particularly appropriate for students majoring in one of the humanities or social sciences disciplines.

Program Requirements: The American Studies minor consists of 18 credit hours, 12 of which must be upper division (300 or 400 level).

The following courses are required (6):

AMS 301 Introduction to American Studies, L (3)

AMS 330 Introduction to American Lives, HU (3)

Choose from the following combinations (6):

AMS 310 History of American Systems to 1865, L, C, H (3)

AMS 311 History of American Systems since 1865, H (3)

or

AMS 320 American Cultural History I, SB, H (3)

AMS 321 American Cultural History II, SB, H (3) or HST 313 American Cultural History to 1865 (SB, H) HST 314 American Cultural History since 1865 (HU/SB, H)

Supporting Courses (6):

Two courses with substantial American content that must be approved by the American Studies advisor.

Enrollment Requirements: Students wishing to pursue the American Studies minor should consult an academic advisor in the unit offering that minor to ensure the appropriate set of courses is taken. The student should also consult an academic advisor in the college, division or department of his or her major to ensure the minor is recognized and to have the minor added to the program of study.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. Please contact the division for more information. The Academic Affairs Manual (ACD 305-12) regulates undergraduate academic minors and expressly forbids double counting of courses between majors and minors.

Contact Information:

Interdisciplinary Arts & Sciences, New College of
School of Humanities, Arts, and Cultural Studies
<http://newcollege.asu.edu/harcs/degrees/minors/americanstudies>
FAB N201
harcs.dept@asu.edu
602-543-4444

Anthropology Minor (LAASBMIN)

Campus: TEMPE

Description: The minor in anthropology provides students with a great deal of flexibility in selecting courses. The program has been designed to allow students to focus on areas within the discipline that articulate well with their major. All students interested in the anthropology minor are encouraged to discuss the options available with a School of Human Evolution and Social Change undergraduate advisor.

Program Requirements: The anthropology minor requires a minimum of 18 credit hours.

Two of the introductory courses from ASB 102, ASM 104 and ASB 222 (or 223) are required. However, the particular introductory courses selected may limit the anthropology courses available in the upper division.

Twelve credit hours must be upper division and represent at least two of the three subfields of anthropology.

The three subfields are:

- Archaeology.
- Physical anthropology.
- Sociocultural anthropology (with linguistics).

The courses chosen to represent two of the three subfields must be drawn from the distribution requirements of those two subfields.

A minimum grade of "C" (2.00 on a scale of 4.00) is required for all courses taken for the minor in anthropology.

Enrollment Requirements: Students in most majors may pursue one or more minors and, upon successful completion of the prescribed course work, have that accomplishment officially recognized on the ASU transcript at graduation if, 1) the college and/or department of the minor officially certifies, through established verification procedures, that all requirements for the minor have been met, and 2) the college (and, in certain colleges, the department) of the student's major allows the official recognition of the minor.

A student wishing to pursue a specific minor should consult an academic advisor in the unit offering that minor to ensure that an appropriate set of courses is taken. The student should also consult an academic advisor in the college or department of the major to make sure the college or department of the major allows the recognition of the minor.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. Inappropriate combinations include (but are not limited to) ones in which an excessive number of courses in the minor are simultaneously being used to fulfill requirements of the student's major. Please contact the department for more information.

Contact Information:

Liberal Arts & Sciences, College of
School of Human Evolution & Social Change
<http://shesc.asu.edu/degree-ug>
SHESC 233
shesc.undergrad@asu.edu
480-965-6215

Applied Biological Sciences Minor (TSABSMIN)

Campus: POLY

Description: Applied biological sciences offers rigorous and practical programs in applications of the biological sciences. Consistent with a polytechnic vision, this minor involves extensive student interaction with faculty through experience-based learning activities, including:

- Faculty-guided research and service-learning projects.
- Field trips.
- Internships.
- Laboratories.

Mastery of fundamental biological principles is emphasized through quality learning in the classroom and hands-on activities in laboratories and in outdoor settings that include the Sonoran desert, surrounding ecosystems and the landscape of the greater Phoenix area.

Program Requirements: The applied biological sciences minor consists of 23 credit hours, including BIO 181 General Biology I and BIO 182 General Biology II, and at least 15 hours selected with the approval of an advisor. At least nine hours must be in upper-division courses offered by the applied biological sciences program.

Enrollment Requirements: Students in most majors may pursue one or more minors and, upon successful completion of the prescribed course work, have that accomplishment officially recognized on the ASU transcript at graduation if 1) the college and/or department of the minor officially certifies, through established verification procedures, that all requirements for the minor have been met, and 2) the college (and, in certain colleges, the department) of the student's major allows the official recognition of the minor.

A student wishing to pursue a specific minor should consult an academic advisor in the unit offering that minor to ensure that an appropriate set of courses is taken. The student should also consult an academic advisor in the college or department of the major to make sure the college or department of the major allows the recognition of the minor.

Contact Information:

Technology & Innovation, College of
Department of Applied Sciences and Mathematics
<http://technology.asu.edu/dasm>
SUTON 340
technology@asu.edu
480-727-1874

Applied Psychology Minor (ECPSYMIN)

Campus: POLY

Description: Applied psychology offers a traditional psychology core curriculum with emphasis on human factors, human-computer interaction, aviation or manufacturing.

Program Requirements: This minor in applied psychology consists of 22 credit hours with at least 12 being upper-division courses. The following are required courses that must be completed with a grade of "C" (2.00) or higher:

- PGS 101 Introduction to Psychology, SB (3)
- PSY 230 Introduction to Statistics, CS (3)
- PSY 290 Research Methods, L/SG (4)
- PSY 437 Human Factors, L (3) or PSY 438 Human-Computer Interaction (3) or PSY 440 Industrial/Organizational Psychology (3)
- Additional hours of upper-division PSY and/or PGS courses (9).

A maximum of three credit hours from PSY 399, PSY 499, or PSY 492 may be used toward the minor requirements.

A minimum of three classes (two of which are in the upper division) must be taken in residence at ASU.

Enrollment Requirements: Please contact the department for more information.

Contact Information:

Technology & Innovation, College of
Faculty of Applied Psychology
<http://technology.asu.edu/appliedpsych>
SUTON 340
technology@asu.edu
480-727-1874

Arabic Studies Minor (LAARBMIN)

Campus: TEMPE

Description: The minor in Arabic studies provides students with instruction in Modern Standard Arabic (MSA), as well as Arabic culture and literature. Students who successfully complete the prescribed course work of the Arabic minor are expected to be able to communicate effectively in Arabic and interact with native speakers of Arabic in MSA. Students will be able to communicate in Arabic in the other two areas of language acquisition: 1) reading and writing through reading authentic material in Arabic, and 2) writing paragraphs in MSA. Literature courses expand students' knowledge in Arabic, Middle East and Islamic culture and civilization. Students of all academic disciplines doing research or seeking employment in areas related to the Middle East or parts of the Arab world will find the minor in Arabic highly beneficial. Students should work with their undergraduate advisor as well as Arabic advisors in declaring the minor in Arabic studies by their junior year.

Program Requirements: The minor in Arabic studies requires 26 credit hours of courses detailed below. A minimum grade of "C" (2.00) or better is required in each course.

ARB 201 and ARB 202 Intermediate Arabic I and II (8)

ARB 311 Advanced Arabic Skills I (3)

ARB 411 Advanced Arabic Skills II (3)

ARB 351 Classical Arabic Literature (3)

ARB 331 Arabic Islamic Culture and Literature (3)

ARB 341 Quran Text and Women (3)

Any upper-division course from the following (3):

ARB 321 Arabic Conversation I

ARB 335 Arabic Culture and Islam

ARB 421 Arabic Conversation II

HST 372 Modern Middle East

REL 365 Islamic Civilization

REL 366 Islam in the Modern World

Students must complete the sequence of elementary Arabic, ARB 101 and ARB 102, as prerequisite courses.

Enrollment Requirements: Students wishing to pursue the Arabic studies minor should consult an academic advisor in the unit offering that minor to ensure that the appropriate set of courses is taken. The student should also consult an academic advisor in the college, division or department of the major to make sure they recognize the minor, and to have the minor added to the program of study.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. Please contact the division for more information. The Academic Affairs Manual (ACD 305-12) regulates undergraduate academic minors and expressly forbids double counting of courses between majors and minors.

Contact Information:

Liberal Arts & Sciences, College of
School of International Letters and Cultures
<http://silc.asu.edu/>
LL 440
silc@asu.edu
480-965-6281

Architectural Studies Minor (ARSTDMIN)

Campus: TEMPE

Description: The architectural studies minor is available to non-architecture majors interested in this field who wish to pursue another major. The courses are designed to provide an overview of architecture throughout history while focusing on architectural design, with the intention to explore the process of design thinking.

Program Requirements: A minimum of 18 credit hours (to include 12 credit hours of upper-division course work) are required for the minor.

Required Courses:

ALA 100 Introduction to Environmental Design, HU, G, H (3)

ALA 102 Architecture, Landscape Architecture, and Society HU, G (3)

APH 313 History of Architecture I, L/HU, G, H (3)

APH 314 History of Architecture II, L/HU, G, H (3)

Six additional upper-division credit hours of electives in the architectural history and theory concentration must be selected from the following list:

ANP 494 Special Topics (1-3)

APH 305 Contemporary Architecture (3)

APH 394 Special Topics (3)

APH 346 20th-Century Architecture I, HU (3)

APH 347 20th-Century Architecture II, HU (3)

APH 414 History of the City, H (3)

APH 441 Ancient Architecture (3)

APH 444 Baroque Architecture (3)

APH 494 Culture of Place, C (3)

APH 494 Special Topics (6)

APH 499 Individualized Instruction* (3)

APH 511 Energy Environmental Theory (3)

APH 598 Special Topics (3)

ARP 451 Architectural Field Studies (6)

ATE 598 Special Topics (3)

* This course requires a petition to The Design School.

A minimum GPA of 2.50 in minor courses is required to earn the minor in architectural studies. In addition, students may not use a core course to count toward the minor. Students pursuing the B.S. in landscape architecture must petition the school to request a substitution for any core courses that are also included in the architectural studies minor.

Enrollment Requirements: Students in most majors may pursue one or more minors and, upon successful completion of the prescribed course work, have that accomplishment officially recognized on the ASU transcript at graduation if 1) the college and/or department of the minor officially certifies, through established verification procedures, that all requirements for the minor have been met, and 2) the college (and, in certain colleges, the department) of the student's major allows the official recognition of the minor.

A student wishing to pursue a specific minor should consult an academic advisor in the unit offering that minor to ensure that an appropriate set of courses is taken. The student should also consult an academic advisor in the college or department of the major to make sure the college or department of the major allows the recognition of the minor.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. Inappropriate combinations include (but are not limited to) ones in which an excessive number of courses in the minor are simultaneously being used to fulfill requirements of the student's major.

Contact Information:

Design & the Arts, Herberger Institute for
The Design School
<http://herbergerinstitute.asu.edu/degrees/>
CDN 162
herbergeradvising@asu.edu
480-965-3536

Art History Minor (FAARTHMIN)

Campus: TEMPE

Description: The art history minor is designed for those students who are interested in a broad introduction to the study of the history of art. In giving a broad chronological exposure to the history of art from diverse cultures, the minor strengthens academic preparation and provides students with many options to select courses based on their individual interests.

Program Requirements: The School of Art offers a minor in art history consisting of 18 credit hours of course work, including 12 upper-division electives. A minimum grade of "C" (2.00) is required in all classes in the minor. For those pursuing a minor, a minimum overall GPA of "C" (2.00) is required. Courses may not be double counted in a major and the minor, and a minimum of 12 credit hours of resident credit at the Tempe campus are required.

ARS 100 or 300 may be used toward a minor. ARS 100 and 300 may not be used toward an art history minor if the student is an art major or has credit in ARS 101 and 102.

Required Courses

Select two of the following courses:

ARS 101 Art from Prehistory Through Middle Ages, HU, H (3)

ARS 102 Art from Renaissance to Present, HU, H (3)

or

ARS 201 Art of Asia, HU, G, H (3)

ARS 202 Art of Africa, Oceania and the Americas, HU, G, H (3)

Elective Courses

Students pursuing an art history minor select four three-credit-hour, upper-division courses. A seminar is strongly recommended for those considering graduate study.

Students need to be aware of lower-division prerequisites for all upper-division courses. Interested students should contact the School of Art for specific requirements and admission procedures.

Enrollment Requirements: Students in most majors may pursue one or more minors and, upon successful completion of the prescribed course work, have that accomplishment officially recognized on the ASU transcript at graduation if, 1) the college and/or department of the minor officially certifies, through established verification procedures, that all requirements for the minor have been met, and 2) the college (and, in certain colleges, the department) of the student's major allows the official recognition of the minor.

A student wishing to pursue a specific minor should consult an academic advisor in the unit offering that minor to ensure that an appropriate set of courses is taken. The student should also consult an academic advisor in the college or department of the major to make sure the college or department of the major allows the recognition of the minor. Please contact the department for more information.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. Inappropriate combinations include (but are not limited to) ones in which an excessive number of courses in the minor are simultaneously being used to fulfill requirements of the student's major.

Contact Information:

Design & the Arts, Herberger Institute for

School of Art

<http://art.asu.edu>

ART 102

herbergeradvising@asu.edu

480-965-3468

Asian Languages (Chinese) Minor (LACHIMIN)

Campus: TEMPE

Description: Students pursuing a minor in Asian languages (Chinese) gain an understanding of the language, literature and cultures of China. There are opportunities to partake in study abroad programs, which can serve to enhance a student's minor experience and education.

Program Requirements: The minor in Asian languages (Chinese) consists of 18 credit hours, of which 12 credit hours must be at the upper division. Required courses are:

- Up to six credit hours of 200-level Chinese.
- CHI 301 Third-Year Chinese I (5).
- CHI 302 Third-Year Chinese II (5).
- Two credit hours of CHI course work chosen in consultation with the advisor in the School of International Letters and Cultures.

Course substitutions are allowed for heritage and advanced speakers of the language.

Enrollment Requirements: Students in most majors may pursue one or more minors and, upon successful completion of the prescribed course work, have that accomplishment officially recognized on the ASU transcript at graduation if, 1) the college and/or department of the minor officially certifies, through established verification procedures, that all requirements for the minor have been met, and 2) the college (and, in certain colleges, the department) of the student's major allows the official recognition of the minor.

A student wishing to pursue a specific minor should consult an academic advisor in the unit offering that minor to ensure that an appropriate set of courses is taken. The student should also consult an academic advisor in the college or department of the major to make sure the college or department of the major allows the recognition of the minor.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. Inappropriate combinations include (but are not limited to) ones in which an excessive number of courses in the minor are simultaneously being used to fulfill requirements of the student's major. Please contact the department for more information.

Contact Information:

Liberal Arts & Sciences, College of
School of International Letters and Cultures
<http://silc.asu.edu/undergraduate/majors-minors-certs>
LL 440
silcadvising@asu.edu
480-965-6281

Asian Languages (Japanese) Minor (LAJPNMIN)

Campus: TEMPE

Description: Students pursuing a minor in Asian languages (Japanese) gain an understanding of the language, literature and cultures of Japan. There are opportunities to partake in study abroad programs, which can serve to enhance a student's minor experience and education.

Program Requirements: The minor in Asian languages (Japanese) consists of 18 credit hours, of which 12 credit hours must be at the upper division. Required courses are:

- Up to six credit hours in 200-level JPN courses.
- JPN 301 Third-Year Japanese I, G (3).
- JPN 302 Third-Year Japanese II, G (3).
- Six credit hours of additional upper-division JPN courses chosen in consultation with a School of International Letters and Cultures advisor.

Course substitutions are allowed for heritage and advanced speakers of the language.

Enrollment Requirements: Students in most majors may pursue one or more minors and, upon successful completion of the prescribed course work, have that accomplishment officially recognized on the ASU transcript at graduation if, 1) the college and/or department of the minor officially certifies, through established verification procedures, that all requirements for the minor have been met, and 2) the college (and, in certain colleges, the department) of the student's major allows the official recognition of the minor.

A student wishing to pursue a specific minor should consult an academic advisor in the unit offering that minor to ensure that an appropriate set of courses is taken. The student should also consult an academic advisor in the college or department of the major to make sure the college or department of the major allows the recognition of the minor.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. Inappropriate combinations include (but are not limited to) ones in which an excessive number of courses in the minor are simultaneously being used to fulfill requirements of the student's major. Please contact the department for more information.

Contact Information:

Liberal Arts & Sciences, College of
School of International Letters and Cultures
<http://silc.asu.edu/undergraduate/majors-minors-certs>
LL 440
silcadvising@asu.edu
480-965-6281

Asian Pacific American Studies Minor (LAAPAMIN)

Campus: TEMPE

Description: The Asian Pacific American Studies (APAS) minor is an interdisciplinary undergraduate program option that will allow students interested in complementing a degree with the study of demographic, cultural, social, economic and policy issues that have shaped and continue to affect Asian American and Pacific Islander (AAPI) communities in Arizona, the Southwest, nationally and internationally. This minor will target students interested in careers serving and relating to the complex and rapidly changing AAPI population and more broadly with culturally diverse populations.

For example, the minor could be paired with majors involving business, law, immigration, community organizing, journalism, health or creative arts. Students interested in issues of diversity, multicultural relations, race, gender, class, and global and local engagement with diverse, migrant and diasporic populations and peoples will benefit from earning the minor. In addition, one option for students enrolled in the program is to enroll in a community-based internship; this provides a chance to learn more about local Asian Pacific American organizations and communities and to apply what they have learned in course work to specific community contexts.

Program Requirements: Students will be required to complete 18 credit hours for the minor. Six hours will be a prescribed core and the remaining 12 elective hours will be selected from any of the courses with an APAS prefix.

Required Core Course (6)

APA 200 Introduction to Asian Pacific American Studies

APA 360 Asian Pacific American Experience

Elective Courses (12)

The remaining 12 credit hours will be completed by selecting courses not taken to fulfill the 6 required hours and will be selected from any APA course.

Examples of APA Electives include but are not limited to:

APA 210 Introduction to Ethnic Studies in the U.S.

APA 310 Asian Pacific American Arts and Cultures

APA 315 Asian Pacific American Literature

APA 330 Asian Pacific American Genders and Sexualities

APA 340 Asian Pacific Americans and Media

APA 345 Asian Pacific Americans and Film

APA 360 Asian Pacific American Experience*

*Note: One APA 360 course is required for the core; other sections may be repeated for credit with different topics.

- Asian American psychology.
- The Chinese American experience.
- The Filipina/o American experience.
- The Japanese American experience.
- The Korean American experience.
- The Multi-Racial experience.
- The Pacific Islander experience.
- The South Asian experience.
- The Southeast Asian experience.

APA 394 Special Topics (may be repeated for credit with a different topic)

APA 450 Asian Pacific American Contemporary Issues

APA 484 Asian Pacific American Community Internship

APA 494 Special Topics (may be repeated for credit with a different topic)

APA 499 Individualized Instruction (1-3 credits, may be repeated for credit)

Other Requirements and Restrictions

- At least 12 of the 18 credit hours must be upper-division courses (300 or higher).
- All courses for the minor must have a "C" (2.00) grade or higher.
- A minimum of 9 credit hours must be taken in residency at ASU.
- No course may be used to satisfy more than one requirement in the minor.

Enrollment Requirements: Students in most majors may pursue one or more minors and, upon successful completion of the prescribed course work, have that accomplishment officially recognized on the ASU transcript at graduation if, 1) the college and/or department of the minor officially certifies, through established verification procedures, that all requirements for the minor have been met, and 2) the college (and, in certain colleges, the department) of the student's major allows the official recognition of the minor.

A student wishing to pursue a specific minor should consult an academic advisor in the unit offering that minor to ensure that an appropriate set of courses is taken. The student should also consult an academic advisor in the college or department of the major to make sure the college or department of the major allows the recognition of the minor.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. Inappropriate combinations include (but are not limited to) ones in which an excessive number of courses in the minor are simultaneously being used to fulfill requirements of the student's major.

Contact Information:

Liberal Arts & Sciences, College of
School of Social Transformation
<http://apas.clas.asu.edu>
WILSN 125
apas@asu.edu
480-965-7682

Astronomy Minor (LAASTMIN)

Campus: TEMPE

Description: The astronomy minor is designed for students interested in developing a basic understanding of astronomy and astrophysics and analyzing issues through a scientific viewpoint.

Program Requirements: The minor in astronomy consists of a minimum of 24 credit hours. At least 12 credit hours must be in upper-division courses. Required courses:

AST 113 Astronomy Laboratory I, SQ (1)*

AST 114 Astronomy Laboratory II, SQ (1)**

AST 321 Introduction to Planetary and Stellar Astrophysics, SQ (3)*

AST 322 Introduction to Galactic and Extragalactic Astrophysics, SQ (3)**

Choose between the course combinations below:

PHY 150 Physics I, SQ (4) or

PHY 121 University Physics I: Mechanics, SQ (3)*** and PHY 122 University Physics Laboratory I SQ (1)***

and

PHY 151 Physics II, SQ (4) or

PHY 131 University Physics II: Electricity and Magnetism, SQ (3)**** and PHY 132 University Physics Laboratory II SQ (1)****

or

PHY 252 Physics III, SQ (4)

Eight credit hours of electives are chosen with approval of an astronomy advisor from upper division courses in physics and astronomy.

*Both AST 113 and 321 must be taken to secure SQ credit.

**Both AST 114 and 322 must be taken to secure SQ credit.

***Both PHY 121 and 122 must be taken to secure SQ credit.

****Both PHY 131 and 132 must be taken to secure SQ credit.

Enrollment Requirements: Students in most majors may pursue one or more minors and, upon successful completion of the prescribed course work, have that accomplishment officially recognized on the ASU transcript at graduation if, 1) the college and/or department of the minor officially certifies, through established verification procedures, that all requirements for the minor have been met, and 2) the college (and, in certain colleges, the department) of the student's major allows the official recognition of the minor.

All students will be required to meet with an academic advisor in the School of Earth and Space Exploration to declare the minor and confirm that the requirements are being met. The student should also consult an academic advisor in the college or department of the major to make sure the college or department of the major allows recognition of the minor. The DARS system will be used for tracking student progress and verifying completion of the minor.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. Inappropriate combinations include (but are not limited to) ones in which courses in the minor are simultaneously being used to fulfill core requirements of the student's major.

Contact Information:

Liberal Arts & Sciences, College of
School of Earth and Space Exploration
<http://sese.asu.edu>
PS F686
seseinfo@asu.edu
480-965-5081

Astrophysics Minor (LAASTPHMIN)

Campus: TEMPE

Description: The astrophysics minor is designed for students interested in developing a background in the theoretical modeling and observational techniques of galactic and stellar astronomy, extragalactic astronomy and cosmology. Students completing the minor will acquire the ability to think critically about scientific problems, to reduce complex problems to their most important attributes, and to design experiments, observations and/or theoretical models to address those attributes. Students pursuing an astrophysics minor are expected to have a strong background in physics and mathematics.

Program Requirements: The minor in astrophysics consists of a minimum of 20 credit hours.
The following courses are required for the minor, adding up to 12 credit hours.

AST 321 Intro to Planetary and Stellar Astrophysics (3)
AST 322 Intro to Galactic and Extragalactic Astrophysics (3)
AST 421 Astrophysics I (3)
AST 422 Astrophysics II (3)

Students must also choose one of the following options for the additional 8 credit hours

Option 1:

SES 101 Earth / Solar System / Universe I (3)
SES 102 Earth / Solar System / Universe Lab I (1)
SES 103 Earth / Solar System / Universe II (3)
SES 104 Earth / Solar System / Universe Lab II (1)

Option 2:

AST 111 Intro Solar System Astronomy (3)
AST 113 Astronomy Laboratory I (1)
AST 112 Intro Stars Galaxies & Cosmology (3)
AST 114 Astronomy Laboratory II (1)

Option 3:

At least 8 credit hours of SES or AST upper-division electives; these may include (but are not limited to):

AST 494 Astrophysics Seminar (1)
SES 311 Essentials of Astrobiology (3)
AST/SES 494/598 Astronomical Instrumentation and Data Analysis (3)

Enrollment Requirements: All students will be required to meet with an academic advisor in the School of Earth and Space Exploration to declare the minor and confirm that the requirements are being met. The student should also consult an academic advisor in the college or department of the major to make sure the college or department of the major allows the recognition of the minor. The DARS system will be used for tracking student progress and verifying completion of the minor.

Minimum Residency Requirement

Students must take at least 12 of the 20 units required for the minor at ASU. Transfer coursework must be evaluated by a SESE advisor before it can be applied toward the minor requirements.

The college and/or department of the minor officially certifies, through established verification procedures, that all requirements for the minor have been met. The college (and, in certain colleges, the department) of the student's major allows recognition of the minor.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. Inappropriate combinations include (but are not limited to) ones in which courses in the minor are being used to fulfill CORE requirements of the student's major.

Contact Information:

Liberal Arts & Sciences, College of
School of Earth and Space Exploration
<http://sese.asu.edu>
PSF 686
seseinfo@asu.edu
480-965-5081

Biochemistry Minor (LABCHMIN)

Campus: TEMPE

Description: The biochemistry minor is designed to give students majoring in other disciplines a solid grounding in the basics of biochemistry in order to complement their major degree. It is especially appropriate for majors in the various disciplines of life sciences, physics, engineering and geology, and for students planning careers in medical disciplines.

Program Requirements: A minor in biochemistry is awarded to students who complete at least 25 credit hours in the following required courses:

BCH 461 General Biochemistry (3)
BCH 462 General Biochemistry (3)
CHM 113 General Chemistry I, SQ (4)
CHM 116 General Chemistry II, SQ (4)
CHM 233 General Organic Chemistry I (3)

CHM 234 General Organic Chemistry II (3)

CHM 237 General Organic Chemistry Laboratory I (1)

CHM 238 General Organic Chemistry Laboratory II (1)

CHM 341 Elementary Physical Chemistry (3) or CHM 345 Physical Chemistry I (3)

A minimum grade of "C" (2.00 on a scale of 4.00) is required for each of the courses. A minimum of 12 upper division credit hours are required to complete this minor, so the student may need to complete an additional three hours BCH/CHM elective.

Enrollment Requirements: Students in most majors may pursue one or more minors and, upon successful completion of the prescribed course work, have that accomplishment officially recognized on the ASU transcript at graduation if, 1) the college and/or department of the minor officially certifies, through established verification procedures, that all requirements for the minor have been met, and 2) the college (and, in certain colleges, the department) of the student's major allows the official recognition of the minor.

A student wishing to pursue a specific minor should consult an academic advisor in the unit offering that minor to ensure that an appropriate set of courses is taken. The student should also consult with an academic advisor in the college or department of his or her major to make sure the college or department of the major allows the recognition of the minor.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. Inappropriate combinations include (but are not limited to) ones in which an excessive number of courses in the minor are simultaneously being used to fulfill requirements of the student's major.

Please contact the department for more information.

Contact Information:

Liberal Arts & Sciences, College of

Department of Chemistry and Biochemistry

<http://chemistry.asu.edu>

PS D102

chmugadv@asu.edu

480-965-3461

Biological Sciences Minor (LABIOMIN)

Campus: TEMPE

Description: Biological sciences encompasses the study of all living things and includes the study of basic organization and function, how organisms evolve, their roles in the natural environment, how hereditary information is transferred and the development of biotechnology. The biological sciences minor is designed to provide students interested in the biological sciences with a flexible curriculum that can be tailored to their interests.

Program Requirements: The minor consists of 24 credit hours which can be taken in one of two options.

Option 1

- BIO 181 General Biology I
- BIO 182 General Biology II
- BIO 340 General Genetics
- BIO 345 Organic Evolution

Option 2

- MBB 245 Principles of Molecular and Cellular Biology I
- MBB 247 Principles of Molecular and Cellular Biology II
- MIC 220 Biology of Microorganisms and MIC 206 Microbiology Lab
- BIO 340 General Genetics

The remaining hours are selected by the student with the approval of a School of Life Sciences advisor.

Notes:

- At least 12 hours must be upper division courses in the life sciences and at least 6 upper division hours taken at the Tempe Campus.
- Courses which are not available for credit in the Life Sciences majors cannot be used for the minor (e.g., BIO 100 The Living World, BIO 201 Human Anatomy and Physiology I, and BIO 202 Human Anatomy and Physiology II).
- Internship courses are not accepted as fulfilling the 24 credit hour requirement.
- This minor is not available to students majoring in the life sciences.

Enrollment Requirements: This minor is not available to students majoring in the life sciences. Students in most majors may pursue one or more minors and upon successful completion of the prescribed course work have that accomplishment officially recognized on the ASU transcript at graduation if, 1) the college and/or department of the minor officially certifies, through established verification procedures, that all requirements for the minor have been met, and 2) the college (and, in certain colleges, the department) of the student's major allows the official recognition of the

minor.

A student wishing to pursue a specific minor should consult an academic advisor in the unit offering that minor to ensure that an appropriate set of courses is taken. The student should also consult with an academic advisor in the college or department of his or her major to make sure the college or department of the major allows the recognition of the minor.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. Inappropriate combinations include (but are not limited to) ones in which an excessive number of courses in the minor are simultaneously being used to fulfill requirements of the student's major. Please contact the department for more information.

Contact Information:

Liberal Arts & Sciences, College of
School of Life Sciences
<http://sols.asu.edu/>
LSC 206
sols.advising@asu.edu
480-727-6277

Business Minor (BABUSMIN)

Campus: TEMPE

Description: A minor in business is available to students across the university who are interested in business courses but wish to pursue majors in other colleges. The business minor includes a strong business foundation, covering topics that are important to managers such as:

- Accounting.
- Computer information systems.
- Economics.
- Finance.
- Management.
- Marketing.

Program Requirements: Students must complete 36 credit hours of the specified business courses with a grade of "C" (2.00) or higher in each course. Six of the 12 upper-division credit hours must be resident credit. The upper-division courses specified for the minor will be restricted to students with 56 earned credit hours, a minimum 2.50 ASU cumulative GPA and course prerequisite requirements met. Business students are not eligible to apply for the minor.

Lower-Division Courses (24)

ACC 231 Uses of Accounting Information I

ACC 241 Uses of Accounting Information II

CIS 105 Computer Applications and Information Technology or other approved computer science/information course

ECN 211 Macroeconomic Principles

ECN 212 Microeconomic Principles

ECN 221 Business Statistics (or other approved statistics course)

MAT 210 Brief Calculus or MAT 270 Calculus with Analytical Geometry I

MAT 211 Mathematics for Business Analysis or MAT 271 Calculus with Analytical Geometry II

Upper-Division Courses (12 credit hours, six of which must be taken from the W. P. Carey School of Business)

FIN 300 Fundamentals of Finance or FIN 302 Managerial Finance or FIN 303 Honors Finance

MGT 300 Organization and Management Leadership or MGT 303 Honors Organizational Strategies, Leadership and Behavior

MKT 300 Marketing and Business Performance or MKT 302 Applied Marketing Management and Leadership or MKT 303 Honors Marketing Theory and Practice

SCM 300 Global Supply Operations or SCM 303 Honors Global Supply Chain Operations

Enrollment Requirements: Students in most majors may pursue one or more minors and, upon successful completion of the prescribed course work, have that accomplishment officially recognized on the ASU transcript at graduation if, 1) the college and/or department of the minor officially certifies, through established verification procedures, that all requirements for the minor have been met, and 2) the college (and, in certain colleges, the department) of the student's major allows the official recognition of the minor.

A student wishing to pursue a specific minor should consult an academic advisor in the unit offering that minor to ensure that an appropriate set of courses is taken. The student should also consult an academic advisor in the college or department of the major to make sure the college or department of the major allows the recognition of the minor.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. Inappropriate combinations include (but are not limited to) ones in which courses in the minor are simultaneously being used to fulfill requirements of the student's major. Please contact the department for more information.

Contact Information:

Business, W. P. Carey School of
Dean, W.P. Carey School of Business
<http://wpcarey.asu.edu/undergraduate/current-students/academics/current-catalogs.cfm>
BA 109
wpcareyug@asu.edu
480-965-4227

Chemistry Minor (ASCHMMIN)

Campus: WEST

Description: The minor in chemistry gives students expanded proficiency in the area of chemistry. Many of the growing career fields, such as forensics, medicine and environmental quality, are requiring a greater degree of chemistry than in the past. Therefore, students with a greater chemistry background will have a competitive advantage in these fields. The chemistry minor gives students more experience in the advanced and integrative fields of chemistry through additional biochemistry and analytical chemistry courses. The awarding of the chemistry minor highlights the students' expanded chemistry knowledge to future schools and employers.

Program Requirements: The minor in chemistry consists of a minimum of 25 credit hours, of which nine credit hours must be taken in the life sciences department.

Required Courses (25 credit hours)

BCH 361 Principles of Biochemistry

CHM 113 General Chemistry I

CHM 116 General Chemistry II

CHM 233 Organic Chemistry I

CHM 234 Organic Chemistry II

CHM 237 Organic Chemistry Laboratory I

CHM 238 Organic Chemistry Laboratory II

CHM 327 Instrumental Analysis

CHM 328 Instrumental Analysis Laboratory

LSC 366 Elementary Biochemistry Laboratory

Enrollment Requirements: Students in most majors may pursue one or more minors and, upon successful completion of the prescribed course work, have that accomplishment officially recognized on the ASU transcript at graduation if 1) the college and/or department of the minor officially certifies, through established verification procedures, that all requirements for the minor have been met, and 2) the college (and, in certain colleges, the department) of the student's major allows the official recognition of the minor.

A student wishing to pursue a specific minor should consult an academic advisor in the unit offering that minor to ensure that an appropriate set of courses is taken. The student should also consult an academic advisor in the college or department of his or her major to make sure the college or department of the major allows the recognition of the minor.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. Please contact the division for more information. The Academic Affairs Manual (ACD 305-12) regulates undergraduate academic minors and expressly forbids double counting of courses between majors and minors.

Contact Information:

Interdisciplinary Arts & Sciences, New College of
School of Mathematical and Natural Sciences
http://newcollege.asu.edu/mns/degrees/naturalsci/chemistry_minor
CLCC 217
MNS.Dept@asu.edu
602-543-6050

Chemistry Minor (LACHMMIN)

Campus: TEMPE

Description: The chemistry minor is designed to give students majoring in other disciplines a solid grounding in the basics of chemistry in order to complement their major degree. It is especially appropriate for majors in the various disciplines of physics, materials science, geology, engineering and life sciences.

Program Requirements: A minor in chemistry is awarded to students who complete a minimum 24 credit hours. The following courses are required:

CHM 113 General Chemistry I, SQ (4)

CHM 116 General Chemistry II, SQ (4)

CHM 325 Analytical Chemistry (3)

CHM 326 Analytical Chemistry Laboratory (1)

Choose between the course combinations (8 credit hours):

BCH 361 Principles of Biochemistry (3)

BCH 367 Elementary Biochemistry Laboratory (1)

CHM 231 Elementary Organic Chemistry, SQ (3)

CHM 235 Elementary Organic Chemistry Laboratory, SQ (1)

--- or ---

CHM 233 General Organic Chemistry I (3)

CHM 234 General Organic Chemistry II (3)

CHM 237 General Organic Chemistry Laboratory I (1)

CHM 238 General Organic Chemistry Laboratory II (1)

Choose between the course combinations below (4 or 8 credit hours):

CHM 341 Elementary Physical Chemistry (3)

CHM 343 Physical Chemistry Laboratory (1)

--- or ---

CHM 345 Physical Chemistry I (3)

CHM 346 Physical Chemistry II (3)

CHM 348 Physical Chemistry Laboratory I (1)

CHM 349 Physical Chemistry Laboratory II (1)

A minimum grade of "C" (2.00 on a scale of 4.00) is required for each of the courses in the minor. A minimum of 12 upper division credit hours are required to complete this minor. Therefore, students who choose some options above must complete additional upper division CHM electives.

Enrollment Requirements: Students in most majors may pursue one or more minors and, upon successful completion of the prescribed course work, have that accomplishment officially recognized on the ASU transcript at graduation if 1) the college and/or department of the minor officially certifies, through established verification procedures, that all requirements for the minor have been met, and 2) the college (and, in certain colleges, the department) of the student's major allows the official recognition of the minor.

A student wishing to pursue a specific minor should consult an academic advisor in the unit offering that minor to ensure that an appropriate set of courses is taken. The student should also consult with an academic advisor in the college or department of his or her major to make sure the college or department of the major allows the recognition of the minor.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. Inappropriate combinations include (but are not limited to) ones in which an excessive number of courses in the minor are simultaneously being used to fulfill requirements of the student's major. Please contact the department for more information: <http://chemistry.asu.edu/undergrad/programIntro.asp> (<http://chemistry.asu.edu/undergrad/programIntro.asp>).

Contact Information:

Liberal Arts & Sciences, College of

Department of Chemistry and Biochemistry

<http://chemistry.asu.edu>

PS D102

chmugadv@asu.edu

480-965-3461

Communication Minor (HSCMNMIN)

Campus: WEST

Description: The communication minor offers students the opportunity to understand the role and function of communication in cultural, public, organizational and relational contexts. The program offers a flexible set of courses and is designed for students majoring in another field. A maximum of six credit hours are allowed from lower-division course work.

Program Requirements: The minor consists of 18 credit hours of communication courses. Students wishing to pursue a minor must meet with a communication advisor to construct a minor that reflects a particular area of specialty and interest. At least 12 credit hours must come from upper-division courses. To graduate with the minor, students must earn a minimum cumulative GPA of 2.00 in communication courses. All courses must be passed with a minimum grade of "C" (2.00).

Enrollment Requirements: The minor in communication is open to all undergraduate majors. A student wishing to pursue a specific minor should consult an academic advisor in the unit offering that minor to ensure an appropriate set of courses is taken. The student should also consult an academic advisor in the college or department of his or her major to make sure the college or department of the major allows the recognition of the minor. Please contact the division or visit the website for more information.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. The Academic Affairs Manual (ACD 305-12) regulates undergraduate academic minors and expressly forbids double counting of courses between majors and minors.

Contact Information:

Interdisciplinary Arts & Sciences, New College of

School of Social and Behavioral Sciences

<http://newcollege.asu.edu/sbs/degrees/communication>
FAB S105
SBS.Dept@asu.edu
602-543-6058

Communication Minor (LACOMMIN)

Campus: TEMPE

Description: The minor in communication focuses on teaching students how communication processes create, maintain and transform identities, relationships, workplaces and communities.

Our mission statement is, "Through the study and critique of human communication, we generate knowledge, creativity and understanding to facilitate healthy relationships and workplaces, civil and secure communities and constructive intercultural interaction."

Program Requirements: The minor in communication consists of 18 credit hours of courses:

COM 100 Introduction to Human Communication (3)

COM 225 Public Speaking (3) or COM 259 Communication in Business and the Professions (3)

Two of the following courses (6):

COM 310 Relational Communication (3)

COM 312 Communication, Conflict, and Negotiation (3)

COM 316 Gender and Communication (3)

COM 323 Communication Approaches to Popular Culture (3)

Two upper-division-related courses in Global Studies, Asian Pacific American Studies, African and African American Studies, Chicana/Chicano Studies or American Indian Studies (6)

Nine of the 18 credit hours must be Tempe campus resident credits. No pass/fail, "Y" credit or credit/no-credit courses are allowed. Communication courses required for one's major may not also count for the minor. All prerequisite and GPA requirements must be met. The "C" (2.00) minimum grade requirement must be met for each class.

Enrollment Requirements: Students in most majors may pursue one or more minors and, upon successful completion of the prescribed course work, have that accomplishment officially recognized on the ASU transcript at graduation if 1) the college and/or department of the minor officially certifies, through established verification procedures, that all requirements for the minor have been met, and 2) the college (and, in certain colleges, the department) of the student's major allows the official recognition of the minor.

A student wishing to pursue a specific minor should consult an academic advisor in the unit offering that minor to ensure that an appropriate set of courses is taken. The student should also consult with an academic advisor in the college or department of his or her major to make sure the college or department of the major allows the recognition of the minor.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. Inappropriate combinations include (but are not limited to) ones in which an excessive number of courses in the minor are simultaneously being used to fulfill requirements of the student's major. Please contact the department for more information.

Contact Information:

Liberal Arts & Sciences, College of
Hugh Downs School of Human Communication
<http://humancommunication.clas.asu.edu/>
STA 412
communication@asu.edu
480-965-5095

Computational Mathematical Sciences Minor (LACMSMIN)

Campus: TEMPE

Description: The computational mathematical sciences curriculum strives to provide students with a background in computer science and the natural or physical sciences in addition to a core of course work in mathematics.

Program Requirements: The minor in computational mathematical sciences consists of a minimum of 18 credit hours. Required courses are the following, for a total of 18-20 credit hours:

MAT 271 Calculus with Analytic Geometry II MA (4) or MAT 266 Calculus for Engineers II (3)

MAT 272 Calculus with Analytic Geometry III MA (4) or MAT 267 Calculus for Engineers III (3)

MAT 342 Linear Algebra (3) or MAT 343 Applied Linear Algebra (3)

MAT 420 Scientific Computing (3)

MAT 421 Applied Computational Methods CS (3)

MAT 423 Numerical Analysis I CS (3) or MAT 425 Numerical Analysis II CS (3)

Enrollment Requirements: Students in most majors may pursue one or more minors and, upon successful completion of the prescribed course

work, have that accomplishment officially recognized on the ASU transcript at graduation if 1) the college and/or department of the minor officially certifies, through established verification procedures, that all requirements for the minor have been met, and 2) the college (and, in certain colleges, the department) of the student's major allows the official recognition of the minor.

A student wishing to pursue a specific minor should consult an academic advisor in the unit offering that minor to ensure that an appropriate set of courses is taken. The student should also consult with an academic advisor in the college or department of his or her major to make sure the college or department of the major allows the recognition of the minor.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. Inappropriate combinations include (but are not limited to) ones in which an excessive number of courses in the minor are simultaneously being used to fulfill requirements of the student's major. Please contact the department for more information and see <http://math.asu.edu/undergraduate/degrees.html> (<http://math.asu.edu/undergraduate/degrees.html>).

Contact Information:

Liberal Arts & Sciences, College of
School of Mathematical and Statistical Sciences
<http://math.asu.edu/>
PSA 211
math@asu.edu
480-965-7195

Criminology and Criminal Justice Minor (PPCRJMIN)

Campus: DTPHX, ONLNE

Description: The minor in criminology and criminal justice allows students in other undergraduate programs at ASU to explore issues of crime, law and the criminal justice system. The minor provides students with the tools to analyze complex issues and policies within the criminal justice system, enhancing students' ability to understand the nature of crime and the system response to law breaking. In addition to the three required courses, which provide a solid understanding of the field, each student will be able to select electives to meet his or her specific interests. Criminal justice majors cannot earn a minor in criminal justice.

Program Requirements: Students are required to:

- Be, at minimum, junior standing to take upper-division courses.
- Complete CRJ 100 as the prerequisite for all upper-division CRJ courses.
- Complete a minimum of 18 credit hours of graded classroom/online course work (internship or independent study not applicable).
- Complete a minimum of 12 credit hours of CRJ resident credit at ASU.
- Earn a grade of "C" (2.00) or higher for all classes in the minor.
- Meet with a criminal justice advisor prior to registration.
- Take a minimum of 12 credit hours of upper-division CRJ course work from the approved list.

Required Core Courses (9)

CRJ 100 Introduction to Criminal Justice (3)

Choose one of the following:

CRJ 201 Criminal Justice Crime Control Policies and Practice (3)

CRJ 203 Courts and Sentencing (3)

CRJ 204 Juvenile Justice (3)

CRJ 225 Introduction to Criminology (3)

CRJ 230 Introduction to Policing (3)

CRJ 240 Introduction to Corrections (3)

Choose one of the following:

CRJ 305 Gender, Crime & Criminal Justice, C (3)

CRJ 306 Race, Ethnicity, Crime and Criminal Justice, C (3)

CRJ 350 Law and Social Control, SB (3)

CRJ 410 Procedural Criminal Law (3)

Electives (9)

Choose any three additional upper-division CRJ courses. They must be selected from 300- and 400-level courses.

Enrollment Requirements: Please meet with a criminal justice advisor prior to registration.

Attend Online: ASU offers this program in a fully online format-no face-to-face sessions required. We offer six enrollment sessions throughout the

year, and you learn in accelerated, 7.5-week classes.

Contact Information:

Public Programs, College of
School of Criminology and Criminal Justice
<http://ccj.asu.edu/>
UCENT 600
sccj@asu.edu
602-496-2369

Dance Minor (FADANMIN)

Campus: TEMPE

Description: The School of Dance provides a dynamic and culturally diverse learning environment in which students develop their creativity as artists, scholars and educators. The interdisciplinary curriculum promotes creative collaboration and a holistic approach to acquiring skills for successful career transitions. Movement practices, performance and creativity practice define the core of the program. The rich educational experience is further enhanced by studies in:

- Criticism.
- Dance cultures.
- Dance history.
- Digital media.
- Movement science.
- Music.
- Philosophy.
- Production.
- Somatics.
- Pedagogy and leadership.

Program Requirements: The minor in dance consists of 18 semester hours of course work, including 12 upper-division semester hours. A minimum grade of "C" (2.00) or higher is required in all courses that fulfill the dance minor.

Dance minor requirements:

Choose one from the following courses, for a total of three credit hours:

DCE 100 Introduction to Dance (HU, G)

DCE 201 Dance, Culture, and Global Context (HU, G)

Choose one from the following courses, for a total of three credit hours:

DCE 300 Moving Histories (HU)

DCE 301 Meaning in Motion (L or HU)

DCE 350 Teaching Dance in the Classroom

DCE 402 Ethnography of Dance Practices (L or HU, G)

DCE 394/494 Special Topics (see academic advisor for approved special topics courses.)

Choose two from the following courses, for a total of four credit hours:

DCE 110 Argentine Tango I

DCE 111 Raqs Sharqi I

DCE 112 Capoeira I

DCE 113 Dances of Africa 1

DCE 114 Dances of India I

DCE 116 T'ai Chi Ch'uan I

DCE 117 Feldenkrais I

DCE 118 Yoga/Pilates

DCE 120 Modern Dance 1

DCE 121 Ballet 1

DCE 122 Jazz I

DCE 123 Hip Hop I

DCE 124 Latin/Swing/Ballroom I

DCE 125 Latin/Salsa I

DCE 126 Country-Western

DCE 194/294 Special Topics (see academic advisor for approved special topics courses)

DCE 210 Argentine Tango II

DCE 211 Raqs Sharqi II

DCE 216 T'ai Chi Ch'uan II

DCE 220 Modern Dance 2

DCE 221 Ballet 2

DCE 222 Jazz II
DCE 223 Hip Hop II
DCE 224 Latin/Swing/Ballroom II
DCE 225 Latin/Salsa II
DCE 324 Latin/Swing/Ballroom III

Enrollment Requirements: Students in most majors may pursue one or more minors and, upon successful completion of the prescribed course work, have that accomplishment officially recognized on the ASU transcript at graduation if, 1) the college and/or department of the minor officially certifies, through established verification procedures, that all requirements for the minor have been met, and 2) the college (and, in certain colleges, the department) of the student's major allows the official recognition of the minor.

A student wishing to pursue a specific minor should consult an academic advisor in the unit offering that minor to ensure that an appropriate set of courses is taken. The student should also consult with an academic advisor in the college or department of his or her major to make sure the college or department of the major allows the recognition of the minor.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. Inappropriate combinations include (but are not limited to) ones in which an excessive number of courses in the minor are simultaneously being used to fulfill requirements of the student's major. Please contact the department for more information.

Contact Information:

Design & the Arts, Herberger Institute for
School of Dance
<http://dance.asu.edu/>
PEBE 107A
herbergeradvising@asu.edu
480-965-5029

Design Studies Minor (ARDSNMIN)

Campus: TEMPE

Description: Students interested in design can earn a minor in design studies. This minor is a non-studio based program of study in design that focuses on the design disciplines offered in the ASU Herberger Institute:

- Architectural studies.
- Graphic design.
- Industrial design.
- Interior design.
- Landscape architecture.

The courses may also appeal to students who wish to pursue the study of design within the B.I.S.

Program Requirements: Courses selected must satisfy the minimum requirement of 18 credit hours for the minor. Twelve of the credit hours must be in 300-level or 400-level course work. To enhance understanding of the subject matter, some of the designated courses are sequential in nature and require certain prerequisites. Consequently, students should carefully note the semester in which these particular courses are offered. All designated courses for the minor in design studies are lecture courses. To pursue the minor in design studies, students must have a minimum cumulative GPA of 2.50.

Designated Courses for the Minor

Architecture and Landscape Architecture:

ALA 100 Introduction to Environmental Design, HU, G, H (3)
ALA 102 Architecture, Landscape Architecture and Society, G (3)
APH 313 History of Architecture I, HU, G, H (3)
APH 314 History of Architecture II, HU, G, H (3)
APH 421 First Concepts (3)
APH 494 Culture of Place (3)
APH 598 South American Architecture (3)
LPH 310 History of Landscape Architecture (3)
LPH 311 Contemporary Landscape Architecture, HU (3)

Design:

DSC 101 Design Awareness, HU, G (3)
Graphic Design:
GRA 101 Designing Life (3)
GRA 111 Graphic Design History I, HU (3)
GRA 112 Graphic Design History II (3)
GRA 225 Communication/Interaction Design Theory (3)

GRA 345 Design Rhetoric, L (3)
GRA 401 Creative Environment (3)
GRA 440 Finding Purpose (3)
Industrial Design:
IND 242 Materials and Design (3)
IND 243 Design for Ecology and Social Equity (3)
IND 316 20th-Century Design I, HU, H (3)
IND 317 20th-Century Design II, HU, H (3)
IND 344 Human Factors in Design (3)
IND 354 Principles of Product Design (3)
IND 470 Professional Practice for Industrial Design, L (3)
Interior Design:
INT 111 Interior Design Issues and Theories, HU (3)
INT 121 Introduction to Computer Modeling for Interior Design, CS (3)
INT 123 Introduction to Computer-Aided Design of Built Environments (3)
INT 131 Design and Human Behavior, SB (3)
INT 310 History of Interior Design I, HU, H (3)
INT 311 History of Interior Design II, HU, H (3)
INT 412 History of Decorative Arts in Interiors, HU (3)
INT 413 History of Textiles in Interior Design (3)
INT 415 Latin American Design (3)

Enrollment Requirements: Students in most majors may pursue one or more minors and, upon successful completion of the prescribed course work, have that accomplishment officially recognized on the ASU transcript at graduation if, 1) the college and/or department of the minor officially certifies, through established verification procedures, that all requirements for the minor have been met, and 2) the college (and, in certain colleges, the department) of the student's major allows the official recognition of the minor.

A student wishing to pursue a specific minor should consult an academic advisor in the unit offering that minor to ensure that an appropriate set of courses is taken. The student should also consult an academic advisor in the college or department of the major to make sure the college or department of the major allows the recognition of the minor.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. Inappropriate combinations include (but are not limited to) ones in which an excessive number of courses in the minor are simultaneously being used to fulfill requirements of the student's major.

Contact Information:

Design & the Arts, Herberger Institute for
The Design School
<http://herbergerinstitute.asu.edu>
CDN 162
herbergeradvising@asu.edu
480-965-7007

Digital Culture Minor (HIDGCMIN)

Campus: TEMPE

Description: The digital culture minor in the Herberger Institute for Design and the Arts focuses on the creative exploration of how new media is influencing our culture, or rather, the way we live, learn, create and communicate. The digital culture minor allows students to enhance their program of study with integrated, interdisciplinary training in creative processes and technical skills in new media with cultural applications. The curriculum is outcomes based rather than course sequence based. The curriculum uses an innovative proficiency-based network to connect courses across academic disciplines, instead of traditional methods such as course prerequisites. Proficiencies in the curriculum identify common generalized learning outcomes across disciplines participating in the initiative.

Program Requirements: The digital culture minor requires 21 credit hours (12 upper division) in four areas:

- Capstone culminating project (3)
- Digital culture studies (9)
- Media arts and design (3)

- Media engineering (3)
- Historical/theoretical studies in digital culture or related digital culture (3)

For a list of digital culture courses, please visit: <http://digitalculture.asu.edu/education/courses> (<http://digitalculture.asu.edu/education/courses>)
A student must have a minimum GPA of 2.50 to be eligible to pursue the minor. A minimum grade of a "C" (2.00) and an overall GPA of 3.00 is required in all classes in the minor. Courses in the minor may not be used as part of a major. A minimum of 12 upper-division semester hours of

credit at ASU is required.

Enrollment Requirements: The digital culture initiative will employ a specialized advisor/education program coordinator dedicated to advising students in the minor. There is no special application process for the digital culture minor.

Students add the minor by meeting with the academic advisor for their major. Students are also required to meet with the digital culture education coordinator to develop the digital culture pathway that best meets the proficiencies for the work they are interested in pursuing.

Contact Information:

Design & the Arts, Herberger Institute for
Arts, Media and Engineering Sch T
http://herbergerinstitute.asu.edu/degrees/digital_culture/
CDS 101
herbergeradvising@asu.edu
480-965-4495

Economics Minor (LAECNMIN)

Campus: TEMPE

Description: The program of study is designed for students planning to seek employment upon completion of their undergraduate studies or for students intending to go on to graduate school or law school.

Program Requirements: This minor (and B.I.S. area of concentration) requires 18 credit hours of course work, which includes ECN 211 and 212, and 12 hours of economics courses at the 300 level or above for which all prerequisites have been met. Only courses in which a student receives a grade of "C" (2.00) or higher may be used to meet these requirements.

Enrollment Requirements: Students in most majors may pursue one or more minors and, upon successful completion of the prescribed course work, have that accomplishment officially recognized on the ASU transcript at graduation if 1) the college and/or department of the minor officially certifies, through established verification procedures, that all requirements for the minor have been met, and 2) the college (and, in certain colleges, the department) of the student's major allows the official recognition of the minor.

A student wishing to pursue a specific minor should consult an academic advisor in the unit offering that minor to ensure that an appropriate set of courses is taken. The student should also consult with an academic advisor in the college or department of his or her major to make sure the college or department of the major allows the recognition of the minor.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. Inappropriate combinations include (but are not limited to) ones in which an excessive number of courses in the minor are simultaneously being used to fulfill requirements of the student's major. Please contact the department for more information: <http://wpcarey.asu.edu/ecn/advising.cfm> (<http://wpcarey.asu.edu/ecn/advising.cfm>).

Contact Information:

Liberal Arts & Sciences, College of
Economics Program in CLAS
<http://clas.asu.edu/minorscerts>
CPCOM 412
wpcareyecn@asu.edu
480-965-3531

Economics for Students Planning a Career in Law Minor (LAECNLMIN)

Campus: TEMPE

Description: The program of study is designed for students planning to seek employment upon completion of their undergraduate studies or for students intending to go on to graduate school or law school.

Program Requirements: This minor requires 18 credit hours of course work that includes ECN 211, 212, 312 (formerly 314), 450, 453 and one additional economics course at the 300 level or above for which all prerequisites have been met. Only courses in which a student receives a grade of "C" (2.00) or higher may be used to meet these requirements.

Enrollment Requirements: Students in most majors may pursue one or more minors and, upon successful completion of the prescribed course work, have that accomplishment officially recognized on the ASU transcript at graduation if 1) the college and/or department of the minor officially certifies, through established verification procedures, that all requirements for the minor have been met, and 2) the college (and, in certain colleges, the department) of the student's major allows the official recognition of the minor.

A student wishing to pursue a specific minor should consult an academic advisor in the unit offering that minor to ensure that an appropriate set of courses is taken. The student should also consult with an academic advisor in the college or department of his or her major to make sure the college or department of the major allows the recognition of the minor.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. Inappropriate

combinations include (but are not limited to) ones in which an excessive number of courses in the minor are simultaneously being used to fulfill requirements of the student's major. Please contact the department for more information: <http://wpcarey.asu.edu/ecn/advising.cfm> ("<http://wpcarey.asu.edu/ecn/advising.cfm>").

Contact Information:

Liberal Arts & Sciences, College of
Economics Program in CLAS
<http://clas.asu.edu/minorscerts>
CPCOM 412
wpcareyecn@asu.edu
480-965-3531

English Minor (ASENGMIN)

Campus: WEST

Description: A minor in English represents an ideal choice for students who enjoy English, but who are committed to another major. The requirements ground the student in the basics of literary and cultural study and then allow for a range of course offerings in creative writing, linguistics, rhetoric, literature and technical and professional communication. The minor will help the student to become a better writer, reader and thinker, making the English minor the perfect complement to any major.

Program Requirements: The minor in English requires a minimum of 24 credit hours, of which 18 must be upper division (300 or 400 level).

Required Core Course (3 credit hours):

ENG200 Critical Reading and Writing about Literature L/HU (3)

Campus-Specific Requirements

Distribution Cluster Requirement (15 credit hours, of which six must be upper division)

Select one course from each distribution cluster (see advisor for specific course offerings). At least two courses must be at the 400 level. Students may, once only, use one course to satisfy two distribution requirements:

- Ethnicity, gender and post-coloniality
- Literature and culture before 1860
- Literature and culture after 1860
- Rhetoric, writing and linguistics
- Theory and interdisciplinary studies

Additional hours, to complete 24 credit hours, are electives chosen from program offerings. Eighteen credit hours overall must be upper division.

Enrollment Requirements: Students wishing to pursue the English minor should consult an academic advisor in the unit offering that minor to ensure the appropriate set of courses is taken. The student should also consult an academic advisor in the college, division or department of his or her major to make sure the minor is recognized and to have the minor added to the program of study.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. Please contact the division for more information. The Academic Affairs Manual (ACD 305-12) regulates undergraduate academic minors and expressly forbids double counting of courses between majors and minors.

Contact Information:

Interdisciplinary Arts & Sciences, New College of
School of Humanities, Arts, and Cultural Studies
<http://newcollege.asu.edu/harcs/degrees/minors/english>
FAB N201
harcs.dept@asu.edu
602-543-4444

English Minor (LSENGMIN)

Campus: POLY

Description: The minor in English focuses on effective writing, critical thinking and sophisticated reading of literary and non-literary texts.

Program Requirements: This minor requires 24 credit hours of ENG courses, to include ENG 200, and a minimum of 12 upper-division hours, of which six credit hours must be taken through the School of Letters and Sciences. All course work for the minor must be completed with a grade of "C" (2.00) or higher.

Enrollment Requirements: Please contact the school for details.

Contact Information:

Letters & Sciences, School of
School of Letters and Sciences
<http://sls.asu.edu/>
SANCA 233
sls@asu.edu
480-727-1526

English Minor with a Concentration in Linguistics Minor (LAENGMINN)

Campus: TEMPE

Description: Students pursuing a minor in English with a concentration in linguistics study the nature, variation, and structure of language.

Program Requirements: The minor in English with a concentration in linguistics consists of 24 credit hours. Required courses are as follows:

ENG 200 Critical Reading and Writing About Literature, L/HU (3)

ENG 213 Introduction to the Study of Language (3)

ENG 221 Survey of English Literature, HU (3) or

ENG 222 Survey of English Literature, HU, H (3) or

ENG 241 Literatures of the United States to 1860, HU (3) or

ENG 242 Literatures of the United States, 1860 to Present, HU (3)

ENG 312 English in Its Social Setting, L/HU/SB (3)

ENG 314 Modern Grammar (3)

ENG 413 History of the English Language, HU (3)

The six additional hours are electives chosen from the department's offerings, with at least one course (three hours) required at the 300 or 400 level. A grade of "C" (2.00) or higher is required in all courses for the minor.

Enrollment Requirements: Students in most majors may pursue one or more minors and, upon successful completion of the prescribed course work, have that accomplishment officially recognized on the ASU transcript at graduation if 1) the college and/or department of the minor officially certifies, through established verification procedures, that all requirements for the minor have been met, and 2) the college (and, in certain colleges, the department) of the student's major allows the official recognition of the minor.

A student wishing to pursue a specific minor should consult an academic advisor in the unit offering that minor to ensure that an appropriate set of courses is taken. The student should also consult an academic advisor in the college or department of his or her major to make sure the college or department of the major allows the recognition of the minor.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. Inappropriate combinations include (but are not limited to) ones in which an excessive number of courses in the minor are simultaneously being used to fulfill requirements of the student's major. Please contact the department for more information.

Contact Information:

Liberal Arts & Sciences, College of
Department of English
<http://english.clas.asu.edu>
LL 542
englishadvising@asu.edu
480-965-3168

English Minor with a Concentration in Literature Minor (LAENGMINT)

Campus: TEMPE

Description: Students pursuing a minor in English with a concentration in literature study British, American and global literatures in English from the earliest writings to the present.

Program Requirements: The minor in English with a concentration in literature consists of 24 credit hours, including ENG 200 Critical Reading and Writing About Literature, L/HU (3) and one course from three of the following distribution areas:

- Literature and culture before 1800.
- Literature and culture after 1800.
- Literary theory and interdisciplinary studies.
- Transnational, postcolonial and global literatures.

At least one of these three distribution area courses must be 400-level. To complete the 24 credit hours, students choose electives from among the department's offerings. At least four courses (12 of the 24 hours) must be taken at the 300 or 400 level. A grade of "C" (2.00) or higher is required in all courses taken for the minor.

Enrollment Requirements: Students in most majors may pursue one or more minors and, upon successful completion of the prescribed course

work, have that accomplishment officially recognized on the ASU transcript at graduation if 1) the college and/or department of the minor officially certifies, through established verification procedures, that all requirements for the minor have been met, and 2) the college (and, in certain colleges, the department) of the student's major allows the official recognition of the minor.

A student wishing to pursue a specific minor should consult an academic advisor in the unit offering that minor to ensure that an appropriate set of courses is taken. The student should also consult an academic advisor in the college or department of his or her major to make sure the college or department of the major allows the recognition of the minor.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. Inappropriate combinations include (but are not limited to) ones in which an excessive number of courses in the minor are simultaneously being used to fulfill requirements of the student's major. Please contact the department for more information.

Contact Information:

Liberal Arts & Sciences, College of
Department of English
<http://english.clas.asu.edu>
LL 542
englishadvising@asu.edu
480-965-3168

Ethnic Studies Minor (ASETHMIN)

Campus: WEST

Description: Students take courses that introduce a general conceptual framework regarding race and ethnicity and how these intersect in the construction of social formations. Students seeking the minor in ethnic studies complete an internship that is designed to give a hands-on experience working in community-based settings. With an emphasis on service learning, which combines the acquisition of analytical skills from classroom instruction and work experience gained through internships, students are placed at a significant advantage to pursue their goals.

Program Requirements: The minor consists of 21 credit hours, 15 of which must be at the upper-division level. Students are encouraged to take courses that develop breadth rather than limiting their selection to courses in one particular discipline. Up to three credit hours of individualized instruction may be applied toward the minor. All courses must be passed with a minimum grade of "C" (2.00).

Required Courses (6 credit hours):

ETH 300 Principles of Ethnic Studies, C (3)

ETH 484 Ethnic Studies Internship (3)

Electives (15 credit hours):

These courses must be chosen from the approved ethnic studies course list in consultation with the ethnic studies advisor.

Enrollment Requirements: Students wishing to pursue the Ethnic Studies minor should consult an academic advisor in the unit offering that minor to ensure the appropriate set of courses is taken. The student should also consult an academic advisor in the college, division or department of his or her major to make sure the minor is recognized and to have the minor added to the program of study.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. Please contact the division for more information. The Academic Affairs Manual (ACD 305-12) regulates undergraduate academic minors and expressly forbids double counting of courses between majors and minors.

Contact Information:

Interdisciplinary Arts & Sciences, New College of
School of Humanities, Arts, and Cultural Studies
<http://newcollege.asu.edu/harcs/degrees/minors/ethnicstudies>
FAB N201
harcs.dept@asu.edu
602-543-4444

Family and Human Development Minor (LAFASMIN)

Campus: ONLNE, TEMPE

Description: A minor in family and human development, from the School of Social and Family Dynamics, exposes students to the basic course work and issues within the discipline. This program provides an exceptional balance to studies in psychology, communication, education, business or nursing.

Program Requirements: The minor in family and human development consists of 18 credit hours in which students specialize in family studies/child development. At least 12 of the 18 credit hours must be in upper-division courses. Students take the following courses:

CDE 232 Human Development, SB (3)

FAS 101: Growth in Personal Relationships, SB (3)

FAS 370 Family, Ethnic, and Cultural Diversity, SB, C (3)

Three courses (or nine credit hours) must be selected from the following and at least one course must be a CDE course:

CDE 312 Parent-Adolescent Relationships, SB (3)
CDE 337 Early Childhood Intervention (3)
CDE 430 Infant/Toddler Development in the Family, SB (3)
SOC 418 Aging and the Life Course (3)
CDE 498 Pro-Seminar (3) or FAS 498 Pro-Seminar (3)
FAS 301 Introduction to Parenting (3)
FAS 331 Marriage and Family Relationships, SB (3)
FAS 332 Human Sexuality, SB (3)

Enrollment Requirements: Students in most majors may pursue one or more minors and, upon successful completion of the prescribed course work, have that accomplishment officially recognized on the ASU transcript at graduation if 1) the college and/or department of the minor officially certifies, through established verification procedures, that all requirements for the minor have been met, and 2) the college (and, in certain colleges, the department) of the student's major allows the official recognition of the minor.

A student wishing to pursue a specific minor should consult an academic advisor in the unit offering that minor to ensure that an appropriate set of courses is taken. The student should also consult an academic advisor in the college or department of the major to make sure the college or department of the major allows the recognition of the minor.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. Inappropriate combinations include (but are not limited to) ones in which an excessive number of courses in the minor are simultaneously being used to fulfill requirements of the student's major. Please contact the department for more information.

Attend Online: ASU offers this program in a fully online format-no face-to-face sessions required. We offer six enrollment sessions throughout the year, and you learn in accelerated, 7.5-week classes.

Contact Information:

Liberal Arts & Sciences, College of
School of Social and Family Dynamics
<http://ssfd.clas.asu.edu/>
SS 144
email@ssfd.info
480-965-6978

Film and Media Production Minor (FAFMPMIN)

Campus: TEMPE

Description: Students pursuing the film minor will study the basic production processes of film while exploring its history and contemporary social issues.

Program Requirements: The school offers a minor in film and media production, consisting of 18 credit hours of course work. A grade of "C" (2.00) or higher is required for all courses in the minor. All prerequisites for the minor courses must be met. Transfer students may transfer up to six credit hours toward the minor.

The following courses are required, for a total of 12 credit hours:

FMP 201 Film The Creative Process I, HU (3)*
FMP 250 Sex and Violence in Film and TV: Ethics Survey (3)
FMP 300 Focus on Film: Film Production for Nonmajors (3)
THE 403 Independent Film (3)

*Students considering a minor in theatre concurrently must complete an additional course in theatre or film to make up for the overlapping FMP 201 course.

Also required are six credit hours of upper-division electives related to film and media production. Choose from courses with the FMP, THP or THE prefix. Contact the school for options and course requirements.

Courses ordinarily limited to majors only are available to minors on a second-priority basis; that is, minors may not register for these courses early, but are allowed to register after all major students' needs have been met.

Enrollment Requirements: Students in most majors may pursue one or more minors and, upon successful completion of the prescribed course work, have that accomplishment officially recognized on the ASU transcript at graduation if, 1) the college and/or department of the minor officially certifies, through established verification procedures, that all requirements for the minor have been met, and 2) the college (and, in certain colleges, the department) of the student's major allows the official recognition of the minor.

A student wishing to pursue a specific minor should consult an academic advisor in the unit offering that minor to ensure that an appropriate set of courses is taken. The student should also consult an academic advisor in the college or department of the major to make sure the college or department of the major allows the recognition of the minor.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. Inappropriate

combinations include (but are not limited to) ones in which an excessive number of courses in the minor are simultaneously being used to fulfill requirements of the student's major.

Contact Information:

Design & the Arts, Herberger Institute for
School of Theatre and Film
<http://theatrefilm.asu.edu>
GHALL 232
herbergeradvising@asu.edu
480-965-5337

Film and Media Studies Minor (LAFMSMIN)

Campus: ONLNE, TEMPE

Description: The film and media studies minor is useful for students who want to explore the critical and creative study of film and media. Students can select to study a range of courses that emphasize media and society, media industries, styles and genres and screenwriting.

Program Requirements: The film and media studies minor consists of 18 credit hours. Of the 18 credit hours, 12 credit hours are upper division courses. Required courses include:

FMS 100 Introduction to Film, HU

FMS 200 Film History, (L or HU) and H

FMS 300 Television and Cultural Studies, L or HU

Three upper-division courses from the areas of emphasis course list

For more information contact the film and media studies advisor.

Enrollment Requirements: Students in most majors may pursue one or more minors and, upon successful completion of the prescribed course work, have the accomplishment officially recognized on the ASU transcript at graduation if 1) the college and/or department of the minor officially certifies, through established verification procedures, that all requirements for the minor have been met, and 2) the college (and, in certain colleges, the department) of the student's major allows the official recognition of the minor.

A student wishing to pursue a specific minor should consult an academic advisor in the unit offering the minor to ensure that an appropriate set of courses is taken. The student should also consult with an academic advisor in the college or department of his or her major to make sure the college or department of the major allow the recognition of the minor.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. Inappropriate combinations include (but are not limited to) ones in which an excessive number of courses in the minor are simultaneously being used to fulfill requirements of the student's major. Please contact the department for more information.

Attend Online: ASU offers this program in a fully online format-no face-to-face sessions required. We offer six enrollment sessions throughout the year, and you learn in accelerated, 7.5-week classes.

Contact Information:

Liberal Arts & Sciences, College of
Department of English
<http://english.clas.asu.edu/film>
LL 542
englishadvising@asu.edu
480-965-3168

Food and Nutrition Management Minor (ECFNTRMIN)

Campus: DTPHX

Description: This minor is available to any ASU student interested in learning about food and nutrition. The student will develop a greater understanding of nutrition, the food industry and food service operations.

Program Requirements: The minor requires students to take the following courses, for a total of 18 credit hours:

NTR 100 Introductory Nutrition (3) or NTR 241 Human Nutrition (3)

NTR 142 Applied Food Principles (3)

NTR 300 Computer Applications in Nutrition CS (3)

NTR 343 Food Service Purchasing (3)

NTR 344 Nutrition Services Management L (3)

NTR 445 Management of Food Service Systems (3)

Enrollment Requirements: Students in most majors may pursue one or more minors and, upon successful completion of the prescribed course work, have that accomplishment officially recognized on the ASU transcript at graduation if 1) the college and/or department of the minor officially

certifies, through established verification procedures, that all requirements for the minor have been met, and 2) the college (and, in certain colleges, the department) of the student's major allows the official recognition of the minor.

A student wishing to pursue a specific minor should consult an academic advisor in the unit offering that minor to ensure that an appropriate set of courses is taken. The student should also consult an academic advisor in the college or department of the major to make sure the college or department of the major allows the recognition of the minor.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. Inappropriate combinations include (but are not limited to) ones in which an excessive number of courses in the minor are simultaneously being used to fulfill requirements of the student's major. Please contact the department for more information.

Contact Information:

Health Solutions, College of
School of Nutrition and Health Promotion
<http://healthpromotion.asu.edu/>
MERC C250
healthpromotion@asu.edu
602-496-0888

French Minor (LAFREMIN)

Campus: TEMPE

Description: Students pursuing a minor in French gain an understanding of the language, literature, and cultures of French speaking peoples and regions. There are opportunities to partake in study abroad programs, which can serve to enhance a student's minor experience and education.

Program Requirements: The French minor requires 18 upper-division credit hours. In addition, specific required courses for each area follow and are in a brochure in the School of International Letters and Cultures. Course substitutions are allowed for heritage and advanced speakers of the language. Required courses include:

FRE 311 French Conversation, G (3)

FRE 312 French Composition, G (3)

FRE 321 French Literature, L/HU, H (3) or FRE 322 French Literature, L/HU (3)

Nine hours of upper-division French courses with at least three hours from the 400 level are also required.

Enrollment Requirements: Students in most majors may pursue one or more minors and, upon successful completion of the prescribed course work, have that accomplishment officially recognized on the ASU transcript at graduation if 1) the college and/or department of the minor officially certifies, through established verification procedures, that all requirements for the minor have been met, and 2) the college (and, in certain colleges, the department) of the student's major allows the official recognition of the minor.

A student wishing to pursue a specific minor should consult an academic advisor in the unit offering that minor to ensure that an appropriate set of courses is taken. The student should also consult with an academic advisor in the college or department of his or her major to make sure the college or department of the major allows the recognition of the minor.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. Inappropriate combinations include (but are not limited to) ones in which an excessive number of courses in the minor are simultaneously being used to fulfill requirements of the student's major. Please contact the department for more information.

Contact Information:

Liberal Arts & Sciences, College of
School of International Letters and Cultures
<http://silc.asu.edu/undergraduate/majors-minors-certs>
LL 440
silcadvising@asu.edu
480-965-6281

Geography Minor (LAGCUMIN)

Campus: TEMPE

Description: The minor in geography enables students to be as broad or specific in their geographic education as they wish. Beyond the two required courses, the remaining courses should be chosen in consultation with the geography advisor.

Program Requirements: A minor in geography is awarded to students who complete a minimum of 18 hours in geography (at least 12 hours upper division). A grade of "C" (2.00) or higher is required for all courses taken for the minor. The following lower-division courses are required, totaling seven credit hours.

GCU 102 Introduction to Human Geography, SB (3)

GPH 111 Introduction to Physical Geography, SQ (4)

The remaining upper-division courses (12 hours) must be taken from the GCU or GPH prefixes. A minimum of six upper-division hours must be completed from Tempe campus offerings.

Enrollment Requirements: Students in most majors may pursue one or more minors and, upon successful completion of the prescribed course work, have that accomplishment officially recognized on the ASU transcript at graduation if 1) the college and/or department of the minor officially certifies, through established verification procedures, that all requirements for the minor have been met, and 2) the college (and, in certain colleges, the department) of the student's major allows the official recognition of the minor.

A student wishing to pursue a specific minor should consult an academic advisor in the unit offering that minor to ensure that an appropriate set of courses is taken. The student should also consult an academic advisor in the college or department of the major to make sure the college or department of the major allows the recognition of the minor.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. Inappropriate combinations include (but are not limited to) ones in which an excessive number of courses in the minor are simultaneously being used to fulfill requirements of the student's major. Please contact the department for more information.

Contact Information:

Liberal Arts & Sciences, College of
School of Geographical Sciences and Urban Planning
<http://geoplan.asu.edu/>
COOR 5673
geoplan@asu.edu
480-965-7533

Geological Sciences Minor (LAGLGMIN)

Campus: TEMPE

Description: The geological sciences minor is designed for students interested in developing a basic understanding of earth science and analyzing issues through a scientific viewpoint. A minimum of 21 hours of geological science courses is required including two upper-division electives chosen after consultation with an academic advisor.

Program Requirements: A minor in geological sciences is awarded to students who complete a minimum of 21 credit hours of geological science courses. There are 15 credit hours of required courses:

GLG 101 Introduction to Geology I (Physical), SQ* G (3)
GLG 102 Introduction to Geology II (Historical), SG**, H (3)
GLG 103 Introduction to Geology I-Laboratory, SQ* (1)
GLG 104 Introduction to Geology II-Laboratory, SG** (1)
GLG 310 Structural Geology (3)
GLG 321 Mineralogy (3)
GLG 400 Geology Colloquium (1)

*Both GLG 101 and 103 must be taken to secure SQ credit.

**Both GLG 102 and 104 must be taken to secure SG credit.

The remaining six semester hours may be chosen among other upper-division geological sciences courses, except GLG 300 and 400, after consultation with a departmental advisor.

Enrollment Requirements: Students in most majors may pursue one or more minors and, upon successful completion of the prescribed course work, have that accomplishment officially recognized on the ASU transcript at graduation if 1) the college and/or department of the minor officially certifies, through established verification procedures, that all requirements for the minor have been met, and 2) the college (and, in certain colleges, the department) of the student's major allows the official recognition of the minor.

All students will be required to meet with an academic advisor in the School of Earth and Space Exploration (SESE) to declare the minor and confirm that the requirements are being met. The student should also consult with an academic advisor in the college or department of his or her major to make sure the college or department of the major allows recognition of the minor. The DARS system will be used for tracking student progress and verifying completion of the minor.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. Inappropriate combinations include (but are not limited to) ones in which courses in the minor are simultaneously being used to fulfill core requirements of the student's major.

Contact Information:

Liberal Arts & Sciences, College of
Department of Geological Sciences
<http://sese.asu.edu>
PSF 686
sesinfo@asu.edu
480-965-5081

German Minor (LAGERMIN)

Campus: TEMPE

Description: Students pursuing a minor in German gain an understanding of the language, literature, and cultures of German speaking peoples and regions. There are opportunities to partake in study abroad programs, which can serve to enhance a student's minor experience and education.

Program Requirements: Course substitutions are allowed for heritage and advanced speakers of the language. Students may use 6 hours from the 200-level toward the minor. A minimum of 12 hours must be upper division.

Required courses include:

Two GER 200-level courses (6)

GER 311 German Conversation, G (3) or GER 312 German Conversation, G (3)

GER 313 German Composition, G (3)

One 400-level GER course (3)

One upper-division GER course (3)

Enrollment Requirements: Students in most majors may pursue one or more minors and, upon successful completion of the prescribed course work, have that achievement officially recognized on the ASU transcript at graduation if 1) the college and/or department of the minor officially certifies, through established verification procedures, that all requirements for the minor have been met, and 2) the college (and, in certain colleges, the department) of the student's major allows the official recognition of the minor.

A student wishing to pursue a specific minor should consult an academic advisor in the unit offering that minor to ensure that an appropriate set of courses is taken. The student should also consult with an academic advisor in the college or department of his or her major to make sure the college or department of the major allows the recognition of the minor.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. Inappropriate combinations include (but are not limited to) ones in which an excessive number of courses in the minor are simultaneously being used to fulfill requirements of the student's major. Please contact the department for more information.

Contact Information:

Liberal Arts & Sciences, College of

School of International Letters and Cultures

<http://silc.asu.edu/undergraduate/majors-minors-certs>

LL440

silcadvising@asu.edu

480-965-6281

Global Health Minor (LASSHMIN)

Campus: TEMPE

Description: The minor in global health is an interdisciplinary program designed for students who seek a broad and flexible set of skills for understanding contemporary health challenges and thinking about how they might best be solved. "Global" is understood in the anthropological sense, meaning ways of understanding and addressing disease, health and well-being that can incorporate all cultures, places and time, and that can integrate knowledge of health's social, historical, biological and ecological dimensions.

Program Requirements: The minor is comprised of 18 credit hours, with a minimum of 12 credit hours upper division. Students must complete the following:

- An approved global health study abroad (summer session, six credits minimum).
- Culture society and health course.
- Poverty, justice and global health course.
- SSH/ASB 100 Intro to Global Health.
- Time depth course.

Enrollment Requirements: Students must speak with an advisor in the School of Human Evolution and Social Change to declare a minor.

Contact Information:

Liberal Arts & Sciences, College of

School of Human Evolution & Social Change

<http://shesc.asu.edu/degree-ug>

SHESC 233

shesc.undergrad@asu.edu

602-965-6215

Global Studies Minor (LASGSMIN)

Campus: TEMPE

Description: The School of Politics and Global Studies offers a minor in global studies for students who wish to examine global issues from a transdisciplinary perspective focused on an overarching theme of quality of life.

Program Requirements: The global studies minor consists of 18 credit hours, with at least 12 credit hours in upper division courses. Required courses are:

SGS 101 Thinking Globally: Individual and Authority (3) or SGS 301 Principles of Global Studies (3)

SGS 303 Global Trends (3)

The remaining 12 credit hours may be chosen among additional SGS courses. The student must earn at least a "C" (2.00) in a course for credit hours to be counted toward the minor. Twelve of the 18 credit hours must be taken at the ASU Tempe campus. Only three credits of SGS 484: International Internship may be counted toward the minor. For minor verification, students must consult the global studies advisor.

Enrollment Requirements: Students who wish to pursue minors should get the permission of the department of their major as well as meet with the global studies advisor in the School of Politics and Global Studies.

Contact Information:

Liberal Arts & Sciences, College of
School of Politics and Global Studies

<http://pgs.clas.asu.edu/>

COOR 6705

spgs@asu.edu

480-965-8563

History Minor (ASHISMIN)

Campus: WEST

Description: The minor in history, within the New College of Interdisciplinary Arts and Sciences, trains students in the use of basic tools and methods of the historical discipline. Students are exposed to a broad span of modern history, a wide range of historiographical perspectives and approaches and such fundamental categories of historical analysis as race, class, gender and ethnicity.

Program Requirements: The minor in history consists of 18 credit hours of history course work with a grade of "C" (2.00) or higher, of which 12 credit hours must be upper division (300 or 400 level).

Choose one of the following combinations (6 credit hours):

HST 109 United States to 1865, HU/SB, H and

HST 110 United States since 1865, SB, H

or

HST 100 Global History to 1500, HU, H, G and

HST 101 Global History since 1500, HU, G, H

or

HST 313 American Cultural History I, SB, H and

HST 314 American Cultural History II, HU/SB, H

or choose two of three offered:

HST 102 Western Civilization, SB, H

HST 103 Western Civilization, HU/SB, H

HST 104 Western Civilization, HU/SB, G, H

Upper-division requirement (3 credit hours):

HST 300 Historical Inquiry, L/HU/SB, H

History electives (9 credit hours)

Enrollment Requirements: Students wishing to pursue the history minor should consult an academic advisor in the unit offering that minor to ensure the appropriate set of courses is taken, to sign the minor check sheet and to have the minor added to their program of study. The student should also consult an academic advisor in the college or department of his or her major to make sure the college or department of the major recognizes the minor.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. Please contact the division for more information. The Academic Affairs Manual (ACD 305-12) regulates undergraduate academic minors and expressly forbids double counting of courses between majors and minors.

Contact Information:

Interdisciplinary Arts & Sciences, New College of
School of Humanities, Arts, and Cultural Studies

<http://newcollege.asu.edu/harcs/degrees/minors/history>

FAB N201

harcs.dept@asu.edu
602-543-4444

History Minor (LAHISMIN)

Campus: ONLINE, TEMPE

Description: Students who pursue the minor in history study the growth and development of human society from all aspects political, social, economic and cultural. The school covers the history of Europe, the U.S., Asia, Latin America and Africa, and courses are designed to give students both breadth and depth in understanding today's complex world.

Program Requirements: The history minor consists of 18 credit hours of course work, at least 12 hours of which are in upper-division course work. Students earning a minor in history must complete one 12-hour HST geographic concentration (U.S., Europe, Asia or Latin America). The School of Historical, Philosophical and Religious Studies requires a grade of at least "C" (2.00) in all courses in the minor. A minimum of six upper-division hours in the minor must be taken in residence at the Tempe campus.

Enrollment Requirements: Students in most majors may pursue one or more minors and, upon successful completion of the prescribed course work, have that accomplishment officially recognized on the ASU transcript at graduation if 1) the college and/or department of the minor officially certifies, through established verification procedures, that all requirements for the minor have been met, and 2) the college (and, in certain colleges, the department) of the student's major allows the official recognition of the minor.

A student wishing to pursue a specific minor should consult an academic advisor in the unit offering that minor to ensure that an appropriate set of courses is taken. The student should also consult with an academic advisor in the college or department of his or her major to make sure the college or department of the major allows the recognition of the minor.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. Inappropriate combinations include (but are not limited to) ones in which an excessive number of courses in the minor are simultaneously being used to fulfill requirements of the student's major. Please contact the School of Historical, Philosophical and Religious Studies for more information.

Attend Online: ASU offers this program in a fully online format-no face-to-face sessions required. We offer six enrollment sessions throughout the year, and you learn in accelerated, 7.5-week classes.

Contact Information:

Liberal Arts & Sciences, College of
Historical, Philosophical & Religious Studies, Sch
<http://shprs.clas.asu.edu/history>
COOR 4595
SHPRSadvising@asu.edu
480-965-8364

History Minor (LSHISMIN)

Campus: POLY

Description: The minor in history focuses on American history, European history, Southwest history, environmental history, and related fields.

Program Requirements: This minor requires 18 credit hours of HST courses to include a minimum of 12 upper-division hours, of which six credit hours must be taken through the School of Letters and Sciences. All course work for the minor must be completed with a grade of "C" (2.00) or higher.

Enrollment Requirements: Please contact the school for details.

Contact Information:

Letters & Sciences, School of
School of Letters and Sciences
<http://sls.asu.edu/>
SANCA 233
sls@asu.edu
480-727-1526

Human Nutrition Minor (ECNTRMIN)

Campus: DTPHX, POLY

Description: This minor program is available to any ASU student interested in learning about human nutrition. The student will develop a greater understanding of how nutrition contributes to healthy lifestyles and disease prevention.

Program Requirements: The minor requires students to take the following courses, for a total 18 credit hours:

NTR 241 Human Nutrition (3)
NTR 340 Applications in Human Nutrition (3)
NTR 341 Introduction to Planning Therapeutic Diets (3)
NTR 440 Advanced Human Nutrition I (3)
NTR 441 Advanced Human Nutrition II (3)
NTR 444 Medical Nutrition Therapy (3)

Enrollment Requirements: Students in most majors may pursue one or more minors and, upon successful completion of the prescribed course work, have that accomplishment officially recognized on the ASU transcript at graduation if 1) the college and/or department of the minor officially certifies, through established verification procedures, that all requirements for the minor have been met, and 2) the college (and, in certain colleges, the department) of the student's major allows the official recognition of the minor.

A student wishing to pursue a specific minor should consult an academic advisor in the unit offering that minor to ensure that an appropriate set of courses is taken. The student should also consult an academic advisor in the college or department of the major to make sure the college or department of the major allows the recognition of the minor.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. Inappropriate combinations include (but are not limited to) ones in which an excessive number of courses in the minor are simultaneously being used to fulfill requirements of the student's major. Please contact the department for more information.

Contact Information:

Health Solutions, College of
School of Nutrition and Health Promotion
<http://healthpromotion.asu.edu>
MERC C250
healthpromotion@asu.edu
602-496-0888

Interdisciplinary Organizational Studies Minor (ASIOSMIN)

Campus: WEST

Description: The minor in interdisciplinary organizational studies is designed to increase students' understanding of the behavior and the dynamics of individual, group and organizational processes in the workplace. It incorporates perspectives from the behavioral and social sciences, communication studies and management. The minor is learner-centered and allows students to select course work that matches their career and educational goals.

Program Requirements: The minor consists of 21 credit hours, of which 18 must be upper-division course work.

Required Courses (12 credits)

ASB 440 Women in the Global Factory, SB, G (3) or POS 437 Women, Power, Politics, SB, C (3)

PGS 430 Industrial Psychology (3) or SBS 461 Program Evaluation and Policy Research (3)

PGS 453 Organizational Behavior, SB (3)

Research methods course (3)*

Cluster 1: Courses Focused on Organizations

Choose two from the following courses for a total of six credits:

COM 450 Theory and Research in Organizational Communication, SB (3)**

COM 451 Communication and Work Relationships (3)**

COM 453 Communication Training and Development (3)**

GLB 303 Relationship Management (3)

MGT 301 Principles of Management (3)

MGT 412 Managing Human Resources (4)

PGS 430 Industrial Psychology (3)***

PGS 482 Social Influence and Consumer Behavior, SB (3)

PHI 360 Business and Professional Ethics, HU (3)

PRM 311 Leadership in Recreation and Tourism (3)

SBS 461 Program Evaluation and Policy Research (3)***

SOC 324 Work and the Workplace, SB, H (3)

SOC 419 Organizations and Technological Change, G (3)

PGS 484, COM 484, or SOC 484 (or others) Internship in Organizations (3)

The internship site must be approved by the SBS advisor.

Cluster 2: Courses Focused on Diversity Within Organizations

Choose one from the following courses for a total of three credits:

COM 463 Cultural and Intercultural Communication Theory and Research, SB, G (3)**

PGS 480 Cross-Cultural Social Psychology, SB, G (3)
POS 437 Women, Power, and Politics, SB, C (3)
SOC 270 Racial and Ethnic Minorities, SB, C (3)
SOC 400 Perspectives on Aging, SB (3)
SOC 426 Social Inequality, SB (3)
WST 380 Race, Class, and Gender, SB, C (3)

* SBS advisor's approval is required.

** Prerequisites COM 308 and 309 may be waived for students not majoring in communication studies.

*** Course may be selected if not used to fulfill core requirements.

Enrollment Requirements: The minor in interdisciplinary organizational studies is open to all undergraduate majors. A student wishing to pursue a specific minor should consult an academic advisor in the unit offering that minor to ensure an appropriate set of courses is taken. The student should also consult an academic advisor in the college or department of his or her major to make sure the college or department of the major allows the recognition of the minor. Please contact the division and visit the website for more information.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. The Academic Affairs Manual (ACD 305-12) regulates undergraduate academic minors and expressly forbids double counting of courses between majors and minors.

Contact Information:

Interdisciplinary Arts & Sciences, New College of
School of Social and Behavioral Sciences
<http://newcollege.asu.edu/sbs/degrees/IOS>
FAB S105
SBS.Dept@asu.edu
602-543-6058

Interior Design History Minor (ARINTMIN)

Campus: TEMPE

Description: The minor in interior design history is available to students interested in design and culture. The courses designated for the minor are part of the professional studies in interior design within the program of interior design. Moreover, the courses serve to inform the students about the importance of the global community, especially sociocultural groups, and the impact of the global community on the design of the interior environment.

Program Requirements: The selected courses satisfy the minimum requirement (18 credit hours, 12 of which must be from the 300 or 400 level) for the minor. To enhance the understanding of the subject matter, the selected courses are sequential in nature and require certain prerequisites. Consequently, students should carefully note the semester in which any of these courses are offered.

Required Courses:

DSC 101 Design Awareness, HU, G (3)
INT 111 Interior Design Issues and Theories, HU (3)
INT 310 History of Interior Design I, HU, H (3)
INT 311 History of Interior Design II, HU, H (3) Choose two courses from: INT 415 Latin American Design (3)
INT 494 Design and Context/Contemporary Design Issues in Europe* (3)
INT 512 History of Decorative Arts in Interiors, HU (3)
INT 513 History of Textiles in Interior Design (3)* Summer study abroad course, offered in summer term only.

Students must have an overall GPA of 2.50 or higher and achieve a minimum 2.50 GPA in minor classes to be awarded the minor.

Enrollment Requirements: Students in most majors may pursue one or more minors and, upon successful completion of the prescribed course work, have that accomplishment officially recognized on the ASU transcript at graduation if, 1) the college and/or department of the minor officially certifies, through established verification procedures, that all requirements for the minor have been met, and 2) the college (and, in certain colleges, the department) of the student's major allows the official recognition of the minor.

A student wishing to pursue a specific minor should consult an academic advisor in the unit offering that minor to ensure that an appropriate set of courses is taken. The student should also consult an academic advisor in the college or department of the major to make sure the college or department of the major allows the recognition of the minor.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. Inappropriate combinations include (but are not limited to) ones in which an excessive number of courses in the minor are simultaneously being used to fulfill requirements of the student's major. Please contact the department for more information.

Contact Information:

Design & the Arts, Herberger Institute for
The Design School
<http://herbergerinstitute.asu.edu/degrees/design.php>
CDN 162

herbergeradvising@asu.edu
480-965-8947

Italian Minor (LAITAMIN)

Campus: TEMPE

Description: Students pursuing a minor in Italian gain an understanding of the language, literature and cultures of Italian speaking peoples and regions. There are opportunities to partake in study abroad programs, which can serve to enhance a student's minor experience and education.

Program Requirements: The Italian minor requires 18 upper-division credit hours. In addition, specific required courses for each area follow and are in a brochure in the School of International Letters and Cultures. Course substitutions are allowed for heritage and advanced speakers of the language. Students may use 6 hours from the 200-level toward the minor. A minimum of 12 hours must be upper division.

Required courses include:

ITA 311 Italian Conversation, G (3) or ITA 312 Italian Composition, G (3) or ITA 315 Italian for Business (3)

ITA 321 Introduction to Italian Literature I (3) or ITA 322 Introduction to Italian Literature II (3)

One 400-level ITA course (3)

The remaining elective courses should be chosen to fulfill the upper division requirements set by the college. Students may use a maximum of 6 credits from the 200-level.

Enrollment Requirements: Students in most majors may pursue one or more minors and, upon successful completion of the prescribed course work, have that accomplishment officially recognized on the ASU transcript at graduation if 1) the college and/or department of the minor officially certifies, through established verification procedures, that all requirements for the minor have been met, and 2) the college (and, in certain colleges, the department) of the student's major allows the official recognition of the minor.

A student wishing to pursue a specific minor should consult an academic advisor in the unit offering that minor to ensure that an appropriate set of courses is taken. The student should also consult with an academic advisor in the college or department of his or her major to make sure the college or department of the major allows the recognition of the minor.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. Inappropriate combinations include (but are not limited to) ones in which an excessive number of courses in the minor are simultaneously being used to fulfill requirements of the student's major. Please contact the department for more information.

Contact Information:

Liberal Arts & Sciences, College of
School of International Letters and Cultures
<http://silc.asu.edu/undergraduate/majors-minors-certs>
LL 440
silcadvising@asu.edu
480-965-6281

Justice Studies Minor (LAJUSMIN)

Campus: ONLNE, TEMPE

Description: The minor in justice studies is designed for students interested in developing an understanding of meanings of justice and injustice and analyzing often controversial issues through critical inquiry and social science investigation.

Program Requirements: The minor is 18 total credit hours. Students will be required to take two specific classes and will then have the option to select four JUS classes as their minor electives.

Required Courses - 6 credit hours

JUS 105: Introduction to Justice Studies or JUS 305: Principles of Justice Studies

JUS 303: Justice Theory

Elective Courses - 12 credit hours

Student can select any JUS course except JUS 301 and JUS 302.

- 12 credit hours must be upper division.
- A minimum of nine credit hours must be resident credit at the Tempe campus.
- No pass/fail or noncredit course work may be applied to the minor.
- Students must receive a minimum grade of "C" (2.00) for all courses in the minor.
- Student must meet all course eligibility requirements, including prerequisites.

Enrollment Requirements: Students in most majors may pursue one or more minors and, upon successful completion of the prescribed course work, have that accomplishment officially recognized on the ASU transcript at graduation if 1) the college and/or department of the minor officially

certifies, through established verification procedures, that all requirements for the minor have been met, and 2) the college (and, in certain colleges, the department) of the student's major allows the official recognition of the minor.

A student wishing to pursue a specific minor should consult an academic advisor in the unit offering that minor to ensure that an appropriate set of courses is taken. The student should also consult an academic advisor in the college or department of the major to make sure the college or department of the major allows the recognition of the minor.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. Inappropriate combinations include (but are not limited to) ones in which an excessive number of courses in the minor are simultaneously being used to fulfill requirements of the student's major. Please contact the department for more information.

Attend Online: ASU offers this program in a fully online format-no face-to-face sessions required. We offer six enrollment sessions throughout the year, and you learn in accelerated, 7.5-week classes.

Contact Information:

Liberal Arts & Sciences, College of
School of Social Transformation
<http://justice.clas.asu.edu>
WILSN 125
justiceinfo@asu.edu
480-965-7682

Landscape Architecture Studies Minor (ARLNDMIN)

Campus: TEMPE

Description: The minor in landscape studies is designed for students who have an interest in landscape aesthetics, but are pursuing a major in another field. The course selection is intended to provide greater understanding of landscape issues that may be relevant in related professional disciplines and to broaden knowledge about the landscape in which we live.

Program Requirements: A minimum of 18 credit hours (to include 12 credit hours of upper-division course work) are required for the minor.

Required Courses:

ALA 100 Introduction to Environmental Design, HU, G, H (3)

ALA 102 Architecture, Landscape Architecture, and Society, HU, G (3)

LPH 310 History of Landscape Architecture, HU, H (3)

LPH 311 Contemporary Landscape Architecture, HU (3)

Six additional upper-division credit hours of electives in the landscape architecture history and theory concentration must be selected from the following list:

ANP 494 Special Topics (1-3)

APH 494 Culture of Place, C (3)

APH 511 Energy Environment Theory (3)

LDE 494 Applied Landscape Architecture (3)

LPH 394 Special Topics (3)

LPH 410 Social Factors in Landscape and Urban Planning (3)

LPH 411 Landscape Architecture Theory and Criticism (3)

LPH 412 Landscape Ecology and Planning (3)

LPH 413 Southwest Landscape Interpretation (3)

LPH 485 International Field Studies in Landscape Architecture (6)

LPH 494 Special Topics (3)

LPH 499 Individualized Instruction* (3)

LPH 598 Special Topics (3)

LTC 494 Plant Materials (3)

* These courses require a petition to The Design School.

A minimum GPA of 2.50 in minor courses is required to earn the minor in landscape architecture studies. In addition, students may not use a core course to count toward the minor. Students pursuing the B.S.D. in architecture must petition the school to request a substitution for any core courses that are also included in the landscape architecture minor.

Enrollment Requirements: Students in most majors may pursue one or more minors and, upon successful completion of the prescribed course work, have that accomplishment officially recognized on the ASU transcript at graduation if, 1) the college and/or department of the minor officially certifies, through established verification procedures, that all requirements for the minor have been met, and 2) the college (and, in certain colleges, the department) of the student's major allows the official recognition of the minor.

A student wishing to pursue a specific minor should consult an academic advisor in the unit offering that minor to ensure that an appropriate set of courses is taken. The student should also consult an academic advisor in the college or department of the major to make sure the college or department of the major allows the recognition of the minor.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. Inappropriate combinations include (but are not limited to) ones in which an excessive number of courses in the minor are simultaneously being used to fulfill

requirements of the student's major.

Contact Information:

Design & the Arts, Herberger Institute for
The Design School
<http://herbergerinstitute.asu.edu/>
CDN 162
herbergeradvising@asu.edu
480-965-3536

Life Sciences Minor (ASLSCMIN)

Campus: WEST

Description: A minor in life sciences can be a valuable asset particularly when paired with an appropriate major. For instance, a biology minor paired with a political science major would provide a good background for someone who wanted to practice environmental law.

Program Requirements: Required Courses

BIO 181 General Biology I, SG (4)
BIO 182 General Biology II, SQ (4)
BIO 320 Fundamentals of Ecology (3)
BIO 322 Fundamentals of Ecology Laboratory (1)
BIO 353 Cell Biology (3)
BIO 354 Cell Biology Laboratory (1)
CHM 113 General Chemistry, SQ (4)
CHM 116 General Chemistry II, SQ (4)
LSC 347 Fundamentals of Genetics (3)
LSC 348 Fundamentals of Genetics Laboratory (1)

Enrollment Requirements: Students in most majors may pursue one or more minors and, upon successful completion of the prescribed course work, have that accomplishment officially recognized on the ASU transcript at graduation if 1) the college and/or department of the minor officially certifies, through established verification procedures, that all requirements for the minor have been met, and 2) the college (and, in certain colleges, the department) of the student's major allows the official recognition of the minor.

A student wishing to pursue a specific minor should consult an academic advisor in the unit offering that minor to ensure an appropriate set of courses is taken. The student should also consult an academic advisor in the college or department of his or her major to make sure the college or department of the major allows the recognition of the minor.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. Please contact the division for more information. The Academic Affairs Manual (ACD 305-12) regulates undergraduate academic minors and expressly forbids double counting of courses between majors and minors.

Contact Information:

Interdisciplinary Arts & Sciences, New College of
School of Mathematical and Natural Sciences
http://newcollege.asu.edu/mns/degrees/naturalsci/life_sci_minor
CLCC 217
MNS.Dept@asu.edu
602-543-6050

Materials Science and Engineering Minor (ESMSEMIN)

Campus: TEMPE

Description: The materials science and engineering minor is designed to give other science and engineering majors an in-depth understanding of materials, including their structure, processing, properties, and performance.

Program Requirements: Students are required to take six courses (20-21 credits), listed below:

- CHM 114 (4), or CHM 113 (4) & CHM 116 (4).
- MSE 250 Structure and Properties of Materials (3).
- MSE 355 Structure and Microstructure of Materials (3). There is a math prerequisite of at least MAT 343 Applied Linear Algebra for this course.
- MSE 356 Structure and Microstructure of Materials Laboratory (1).
- Two MSE courses at the 300 level or higher.

One materials-related course from the following list:

- Any MSE course at the 300 level or higher
- CEE 353 Civil Engineering Materials (3).
- CHE 458 Semiconductor Material Processing (3).
- CHM 471 Solid State Chemistry (3).
- EEE 352 Properties of Electronic Materials (4).
- EEE 436 Fundamentals of Solid-State Devices (3).
- MAE 351 Manufacturing Processes (3).
- PHY 481 Materials Physics I (3).

Enrollment Requirements: Students need sophomore status and a minimum 3.00 GPA to enroll in the minor in materials science and engineering, and a 2.50 GPA in all courses in the minor to receive the minor.

Contact Information:

Engineering, Ira A. Fulton Schools of
Materials Program
<http://engineering.asu.edu/semte>
ECG 202
semte@asu.edu
480-965-2335

Mathematics Minor (ASMATHMIN)

Campus: WEST

Description: The minor in mathematics explores the study of higher mathematics. It is designed to enable the student to understand the mathematics most commonly used in business, economics and science. It is expected that students in the minor will be able to reason and to find creative solutions to problems that were either presented to them or meaningfully formulated by them. The minor is recommended for students who plan to major in integrative studies, life sciences and business and for those who are preparing for further graduate study.

Program Requirements: The minor in mathematics consists of a minimum of 27 credit hours, of which nine credit hours must be taken in the mathematical sciences and applied computing department.

Required Courses (27)

- MAT 270 Calculus with Analytic Geometry I, MA (4)
- MAT 271 Calculus with Analytic Geometry II, MA (4)
- MAT 272 Calculus with Analytic Geometry III, MA (4)
- MAT 300 Mathematical Structures (3)
- MAT 342 Linear Algebra (3)

Choose three electives from the following courses, or other approved courses, in consultation with a departmental advisor, for a total of nine credits:

- MAT 310 Introduction to Geometry (3)
- MAT 371 Advanced Calculus I (3)
- MAT 411 History and Philosophy of Mathematics, HU, H (3)
- MAT 443 Abstract Algebra (3)
- MAT 445 Theory of Numbers (3)
- STP 420 Introductory Applied Statistics, CS (3)

Enrollment Requirements: Students in most majors may pursue one or more minors and, upon successful completion of the prescribed course work, have that accomplishment officially recognized on the ASU transcript at graduation if 1) the college and/or department of the minor officially certifies, through established verification procedures, that all requirements for the minor have been met, and 2) the college (and, in certain colleges, the department) of the student's major allows the official recognition of the minor.

A student wishing to pursue a specific minor should consult an academic advisor in the unit offering that minor to ensure an appropriate set of courses is taken. The student should also consult an academic advisor in the college or department of his or her major to make sure the college or department of the major allows the recognition of the minor.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. Please contact the division for more information. The Academic Affairs Manual (ACD 305-12) regulates undergraduate academic minors and expressly forbids double counting of courses between majors and minors.

Contact Information:

Interdisciplinary Arts & Sciences, New College of
School of Mathematical and Natural Sciences
http://newcollege.asu.edu/mns/degrees/mathematics/math_minor
CLC C217
MNS.Dept@asu.edu
602-543-6050

Mathematics Minor (LAMATMIN)

Campus: TEMPE

Description: The minor in mathematics is designed for students who want to further their knowledge of mathematics and is recommended for students who are majoring in such disciplines as physics, engineering, business, economics and the life and social sciences where the need for quantification in the analysis of phenomena is strong.

Program Requirements: The minor in mathematics consists of a minimum of 18 credit hours. Required courses are as follows, for a total of nine to eleven hours:

MAT 271 Calculus with Analytic Geometry II MA (4) or MAT 266 Calculus for Engineers II (3)

MAT 272 Calculus with Analytic Geometry III MA (4) or MAT 267 Calculus for Engineers III (3)

MAT 342 Linear Algebra (3) or MAT 343 Applied Linear Algebra (3)

Electives must be upper-division courses in mathematics (MAT) or Statistics and Probability (STP). Students may not apply MAT 411 or 485 or a course not offered at ASU to the minor, unless otherwise approved by a department advisor.

Enrollment Requirements: Students in most majors may pursue one or more minors and, upon successful completion of the prescribed course work, have that accomplishment officially recognized on the ASU transcript at graduation if 1) the college and/or department of the minor officially certifies, through established verification procedures, that all requirements for the minor have been met, and 2) the college (and, in certain colleges, the department) of the student's major allows the official recognition of the minor.

A student wishing to pursue a specific minor should consult an academic advisor in the unit offering that minor to ensure that an appropriate set of courses is taken. The student should also consult with an academic advisor in the college or department of his or her major to make sure the college or department of the major allows the recognition of the minor.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. Inappropriate combinations include (but are not limited to) ones in which an excessive number of courses in the minor are simultaneously being used to fulfill requirements of the student's major. Please contact the department for more information.

Contact Information:

Liberal Arts & Sciences, College of

School of Mathematical and Statistical Sciences

<http://math.asu.edu/>

PSA 211

math@asu.edu

480-965-7195

Media Analysis Minor (CSCMOMINA)

Campus: DTPHX

Description: The mass media, more than ever before, plays a vital role in how information is disseminated and how societies are shaped and function. As traditional forms of media and information dissemination change rapidly in an increasingly technological world, it is more important than ever for students to understand the way that media work, as well as learn to evaluate the messages that are sent. All students can benefit from the study of mass communications institutions, functions and techniques. In this minor, students will learn to understand the roles that media play, how they are changing and their impact. They will be given the tools they need to critically evaluate, analyze and interpret media messages in order to become wise consumers of media themselves.

Program Requirements: The minor of media analysis consists of 18 credit hours of course work. This is a requirement consistent with many other minor programs at Arizona State University and at other colleges and universities. The focus of the program is on media analysis. Students in the minor will concentrate on evaluating the impact of information dissemination rather than on topics that focus on the practice of gathering and distributing messages. Students in the minor may not register for courses in the professional journalism curriculum.

To take upper-division courses, the student must be at least a sophomore (25 credit hours). To pursue the minor in media analysis, the student must maintain a minimum 2.00 overall GPA, obtain a minimum grade of "C" (2.00) in each course in the minor and have a major other than journalism and mass communication.

Three specific classes will be required (nine hours). The required classes are:

MCO 120 Media and Society, SB (3)

MCO 240 Media Issues in American Pop Culture (3)

MCO 418 History of Mass Communication, SB, H (3)

In addition, students select three additional courses (nine hours) from the list of electives offered by the journalism school. The common element of these courses is that they focus on understanding specific aspects of the mass media and how those aspects impact individuals and societies in terms of function, effects, and enculturation. Electives offered include:

MCO 200 Introduction to the Electronic Media (3)

MCO 240 Media Issues in American Pop Culture (3)

MCO 430 International Mass Communication, G (3)

MCO 435 Social Media (3)

MCO 450 Visual Communication, HU (3)

MCO 455 War and the Mass Media (3)
MCO 456 Political Communication, SB (3)
MCO 460 Race, Gender and Media, C (3)
MCO 465 Sports and Media (3)
MCO 473 Sex, Love and Romance in the Mass Media, SB (3)
MCO 494 Special Topic courses (3)

Enrollment Requirements: Students in most majors may pursue one or more minors and, upon successful completion of the prescribed course work, have that accomplishment officially recognized on the ASU transcript at graduation if, 1) the college and/or department of the minor officially certifies, through established verification procedures, that all requirements for the minor have been met, and 2) the college (and, in certain colleges, the department) of the student's major allows the official recognition of the minor.

A student wishing to pursue a specific minor should consult an academic advisor in the unit offering that minor to ensure that an appropriate set of courses is taken. The student should also consult an academic advisor in the college or department of the major to make sure the college or department of the major allows the recognition of the minor.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. Inappropriate combinations include (but are not limited to) ones in which an excessive number of courses in the minor are simultaneously being used to fulfill requirements of the student's major. Please contact the department for more information:

http://cronkite.asu.edu/undergrad/minor_media_analysis.php (http://cronkite.asu.edu/undergrad/minor_media_analysis.php).

Contact Information:

Journalism & Mass Communication, Walter Cronkite School of
Walter Cronkite School of Journalism & Mass Comm

<http://cronkite.asu.edu>

CRONK 220

cronkiteadvising@asu.edu

602-496-5055

Military Leadership Minor (LAMISMIN)

Campus: TEMPE

Description: The minor in military leadership is designed to enhance the student's learning experience by providing tools to prepare them for leadership roles in various organizations including business, government and education. Students complete courses which will cover academic and practical skills in many areas, including:

- Effective communication.
- Leadership ethos.
- Leading, motivating and empowering others.
- Negotiating.
- Problem solving.
- Team building.

Program Requirements: The minor in military leadership consists of 18 credit hours, of which, 12 must be at the 300 or 400 level. Required courses are as follows:

MIS 301 Advanced Military Science I (3)

MIS 302 Advanced Military Science II (3)

MIS 401 Advanced Military Science III (3)

MIS 402 Advanced Military Science IV (3)

At least 12 credits must be in residence on an ASU campus.

The six additional hours are electives chosen from the following course offerings:

MIS 410 American Defense Policy I (3)

MIS 412 American Defense Policy II (3)

MIS 294 Special Topics (3)

MIS 499 Individualized Leadership Instruction (3)

HST 456 Vietnam War (3)

HST 408 Civil War and Reconstruction (3)

Enrollment Requirements: Students wishing to earn a minor in military leadership must first qualify to be enrolled in MIS 301. In order to be eligible for this, students must have completed one of the following:

- Leader's training course in Ft. Knox, KY.
- Prior honorable military service.
- Three years of introductory leadership training in high school JROTC.
- Twelve hours in MIS 100 and MIS 200 level courses.

Contact Information:

Liberal Arts & Sciences, College of
 Department of Military Science
<http://militaryscience.clas.asu.edu>
 SS 330
armyrotc@asu.edu
 480-965-3318

Music Minor (FAMUSMIN)

Campus: TEMPE

Description: The music minor is designed for those students who are interested in a broad introduction to the study of music. The program allows for a diverse exposure to traditional through contemporary music practices, with numerous options to select courses based on students' interests.

Program Requirements: The School of Music offers a minor in music consisting of 24 credit hours of course work, including a minimum 12 credit hours upper division. A minimum grade of "C" (2.00) is required in all courses.

Required Courses (12 credit hours)

MHL 201 Mac Literacy for Musicians* (3)

MUS 194 Performance: Bach to Bebop (3)

MUS 100 Fundamentals of Music Notation (3)

MUS 340 Survey of Music History (3)

Music history: Select two of the following five courses (6 credit hours)

MUS 347 Jazz in America (3)

MUS 355 Survey of American Music (3)

MUS 356 Survey of Musical Theatre (3)

MUS 361 African Music (3)

MUS 410 History of Women in Music (3)

Electives: Choose two of the following five courses (6 credit hours)

MUS 354 Elvis Presley (3)

MUS 354 Hip-Hop (3)

MUS 354 Rock and Roll (3)

MUS 354 Rock and Roll since 1971 (3)

MUS 354 The Beatles (3)

* The online version of this course is required.

Notes: MHL, MTC, MUP courses may be accepted as electives if the appropriate prerequisites are met and with instructor approval. Music reading and notation skills are a prerequisite for the music minor.

Courses only offered during the fall semester: MUS 100, MHL 201 and MUS 194 Bach to Bebop.

Enrollment Requirements: Students in most majors may pursue one or more minors and, upon successful completion of the prescribed course work, have that accomplishment officially recognized on the ASU transcript at graduation if, 1) the college and/or department of the minor officially certifies, through established verification procedures, that all requirements for the minor have been met, and 2) the college (and, in certain colleges, the department) of the student's major allows the official recognition of the minor.

A student wishing to pursue a specific minor should consult an academic advisor in the unit offering that minor to ensure that an appropriate set of courses is taken. The student should also consult an academic advisor in the college or department of the major to make sure the college or department of the major allows the recognition of the minor.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. Inappropriate combinations include (but are not limited to) ones in which an excessive number of courses in the minor are simultaneously being used to fulfill requirements of the student's major. Please contact the school for more information.

Contact Information:

Design & the Arts, Herberger Institute for
 Dean, Herberger Institute for Design and the Arts
<http://music.asu.edu>
 CDS 101
herbergeradvising@asu.edu
 480-965-3371

Nonprofit Administration Minor (PPNLMMIN)

Campus: DTPHX

Description: The minor in nonprofit administration empowers students to positively impact the community in which they work. Course work introduces students to the competencies required for successful professional careers with nonprofit, social sector organizations that exist to improve the quality of life of communities. The nonprofit sector in the U.S. is unique in form and function, with more than 1.2 million organizations in the U.S. The Arizona nonprofit sector also is experiencing robust growth with more than 29,000 registered nonprofits and more than 1,500 new nonprofits formed yearly. The minor allows students enrolled in other undergraduate programs at ASU to broaden their educational experiences. Students from such various disciplines as business, education, museum studies, nursing, public affairs, religious studies, social work and many others might find this program a beneficial supplement to their existing program.

Program Requirements: The minor requires 15 credit hours, six credit hours of required courses and nine credit hours of elective courses. Required core courses (9)

NLM 160 Voluntary Action and Community Leadership (3)

NLM 220 Introduction to Nonprofit Organizations (3)

NLM 430 Managing Nonprofit Organizations (3)

Choose two elective courses from the following (6)

NLM 300 Fundraising and Resource Development (3)

NLM 310 Volunteer Management (3)

NLM 380 Financial Management for Nonprofit Organizations (3)

NLM 435 Service Learning for Community Development (3)

NLM 494 Special Topics (3)

Standards

- Fifteen hours of graded classroom course work (no internship, no independent study).
- A minimum "C" (2.00) grade required for all classes in the minor.
- A minimum GPA of 2.00 for those pursuing the minor; a major or pre-major, other than B.S. in nonprofit leadership and management.
- Must be a junior to take 400-level courses.
- No double counting of courses for both a major and the minor.

Enrollment Requirements: Students in most majors may pursue one or more minors and, upon successful completion of the prescribed course work, have that accomplishment officially recognized on the ASU transcript at graduation if the college (and, in certain colleges, the department) of the student's major allows the official recognition of the minor.

Students wishing to pursue the nonprofit administration minor should consult an academic advisor in the college or department of their majors to make sure the college or department of the major allows the recognition of the minor.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. Courses taken as part of a university minor may not count toward both the major degree and the minor. Students pursuing a bachelor's in nonprofit leadership and management are not eligible to complete this minor.

Contact Information:

Public Programs, College of

School of Community Resources and Development

<http://scrd.asu.edu>

UCENT 550

scrd@asu.edu

602-496-0550

Nutrition and Healthy Living Minor (NUNHLMIN)

Campus: DTPHX

Description: The nutrition and healthy living minor will provide a strong knowledge base in nutrition and healthy diet planning to complement many majors.

Program Requirements: The minor requires completion of a minimum of 18 nutrition credit hours. Required Classes (12)

NTR 241 Human Nutrition (3)

NTR 340 Appls in Human Nutrition OR NTR 345 Development of Healthy Cuisines (3)

NTR 341 Introduction to Planning Therapeutic Diets (3)

NTR 450 Nutrition in the Lifecycle (3)

Upper-Division Electives (6)

Select two courses from the following list:

NTR 320 history of Nutrition (3)

NTR 346 Sports Nutrition (3)

NTR 348 Cultural Aspects of Food (3)

NTR 350 Nutrition Counseling (3)

NTR 351 Nutrition and Health communication (3)

NTR 430 (494) Nutrition in the Media (3)

NTR 444 Medical Nutrition Therapy (3)

Additional prerequisites required for these classes: CHM 101 (or 113) and BIO 201.

Enrollment Requirements:

Contact Information:

Health Solutions, College of

School of Nutrition and Health Promotion

<http://healthpromotion.asu.edu>

MERC C250

healthpromotion@asu.edu

602-496-0888

Parks and Protected Area Management Minor (PPPRMMINT)

Campus: DTPHX

Description: As the Southwest continues to develop and urbanize, the demands and pressures on public lands and natural resources continues to grow. The interplay between society and natural resources is key to understanding modernity and continues to be at the center of policy issues and quality of life debates in the West. The minor in parks and protected area management introduces students to the role of parks and protected areas, with a focus on the unique issues faced by urban-proximate natural area managers. The minor allows students enrolled in other undergraduate programs at ASU to broaden their educational experiences. Students from such various disciplines as business, education, nursing, public affairs, social work and many others might find this program a beneficial supplement to their existing program. Students interested in the parks and protected area management minor may also be interested in therapeutic recreation, available through the parks and recreation management program.

Program Requirements: Completion of a parks and protected area management minor in the School of Community Resources and Development requires the following:

Required core courses (12)

PRM 120 Leisure and Quality of Life (3)

PRM 370 Natural Resource Recreation Planning and Management (3)

PRM 380 Wilderness and Parks in America (3)

TDM 480 Sustainable Tourism (3)

Choose one elective course from the following (3)

PRM 301 Sustainable Communities (3)

PRM 340 Outdoor Survival (3)

PRM 470 Environmental Interpretation and Education (3)

TDM 494 Special Topics, as approved by a SCR D advisor (3)

TDM 448 Heritage and Cultural Tourism (3)

Standards

- Fifteen hours of graded classroom course work (no internship, no independent study).
- Twelve hours of course work at the upper-division level, from the approved list.
- A minimum grade of "C"; (2.00) is required for all classes in the minor.
- No double counting of courses for a major and the minor.
- A minimum GPA of 2.00 for those pursuing the minor, a major or pre-major, other than a bachelor's in parks and recreation management.
- Must be a junior to take 400-level courses.

Enrollment Requirements: Students in most majors may pursue one or more minors and, upon successful completion of the prescribed course work, have that accomplishment officially recognized on the ASU transcript at graduation if the college (and, in certain colleges, the department) of the student's major allows the official recognition of the minor.

Students wishing to pursue the parks and protected area management minor should consult an academic advisor in the college or department of their major to make sure the college or department of the major allows the recognition of the minor.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. Courses taken as part of a university minor may not count toward both the major degree and the minor. Students pursuing the bachelor's in parks and recreation management major are not eligible to complete this minor.

Contact Information:

Public Programs, College of
School of Community Resources and Development
<http://scrd.asu.edu>
UCENT 550
scrd@asu.edu
602-496-0550

Philosophy Minor (ASPHIMIN)

Campus: WEST

Description: The philosophy minor is designed to provide students with an understanding of central philosophical issues. The minor provides students with:

- A capacity for critical thinking and analytical reasoning.
- A knowledge of the most important problems and ideas in the philosophical areas studied.
- The ability to present one's positions effectively through oral and written communication.

Program Requirements: The minor in philosophy consists of 21 credit hours of philosophy course work, of which 15 must be upper-division hours (300 or 400 level). Only courses in which the student earns a grade of "C" (2.00 on a scale of 4.00) or higher will fulfill requirements for the minor. Courses are to be selected from the following list, in consultation with an advisor, to create a coherent and complete program of study:

IAS 484 Internship (3)

IAS 494 ST: Special Topics (3)

MAT 411 History and Philosophy of Mathematics, HU, H (3)

PHI 101 Introduction to Philosophy, HU (3)

PHI 103 Principles of Sound Reasoning, L/HU (3)

PHI 306 Applied Ethics, HU (3)

PHI 340 Bioethics, HU (3) or IAS 340 Bioethics, HU (3)

PHI 360 Business and Professional Ethics, HU (3)

PHI 406 Moral Dilemmas, L/HU (3) or IAS 406 Moral Dilemmas, L/HU (3)

PHI 407 Environmental Philosophy and Policy, L/HU (3) or IAS 407 Environmental Philosophy and Policy, L/HU (3)

PHI 408 Feminist Ethics, HU (3) or IAS 408 Feminist Ethics, HU (3)

PHI 494 Special Topics (3)

PHI 499 Individualized Instruction (3)

Enrollment Requirements: Students wishing to pursue the Philosophy minor should consult an academic advisor in the unit offering that minor to ensure the appropriate set of courses is taken. The student should also consult an academic advisor in the college, division or department of his or her major to make sure the minor is recognized and to have the minor added to the program of study.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. Please contact the division for more information. The Academic Affairs Manual (ACD 305-12) regulates undergraduate academic minors and expressly forbids double counting of courses between majors and minors.

Contact Information:

Interdisciplinary Arts & Sciences, New College of
School of Humanities, Arts, and Cultural Studies
<http://newcollege.asu.edu/harcs/degrees/minors/philosophy>
FAB N201
harcs.dept@asu.edu
602-543-4444

Philosophy Minor (LAPHIMIN)

Campus: TEMPE

Description: The minor in philosophy provides students with an understanding of philosophical inquiry and method. The minor offers an introduction to central themes both in the history of philosophy and in the current literature. Minor students have the opportunity to sharpen their critical reasoning skills while addressing profound questions regarding the nature of:

- Existence.
- Knowledge.
- Law.
- Morality.
- Politics.
- Science.

Program Requirements: A minor in philosophy consists of 18 credit hours, of which at least 12 must be upper division and approved by an advisor in the school. All courses must be passed with a minimum grade of "C" (2.00). No more than two courses may be taken in any one of the following philosophical subdisciplines:

- Metaphysics
- Epistemology
- Logic
- History of Philosophy
- Ethics / Political Philosophy

Students should consult with an academic advisor in the School of Historical, Philosophical & Religious Studies about a proposed selection of courses before registering.

Enrollment Requirements: Students in most majors may pursue one or more minors and, upon successful completion of the prescribed course work, have that accomplishment officially recognized on the ASU transcript at graduation if 1) the college and/or school of the minor officially certifies, through established verification procedures, that all requirements for the minor have been met, and 2) the college (and, in certain colleges, the department) of the student's major allows the official recognition of the minor.

A student wishing to pursue a specific minor should consult an academic advisor in the unit offering that minor to ensure that an appropriate set of courses is taken. The student should also consult with an academic advisor in the college or department of his or her major to make sure the college or department of the major allows the recognition of the minor.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. Inappropriate combinations include (but are not limited to) ones in which an excessive number of courses in the minor are simultaneously being used to fulfill requirements of the student's major. Please contact the School of Historical, Philosophical and Religious Studies for more information.

Contact Information:

Liberal Arts & Sciences, College of
Historical, Philosophical & Religious Studies, Sch
<http://shprs.clas.asu.edu/philosophy>
COOR 3305
SHPRSadvising@asu.edu
480-965-8364

Physics Minor (LAPHYMIN)

Campus: TEMPE

Description: Physics is concerned with the nature, structure and interactions of matter and radiation. Adding a physics minor to another major program of study provides a student with the fundamental scientific basis to address the most challenging opportunities faced in a student's career.

Program Requirements: Required Courses (24)

Choose between the following course combinations (4):

PHY 150 Physics I, SQ (4) or

PHY 121 University Physics I: Mechanics, SQ (3) and PHY 122 University Physics Laboratory 1, SQ (1)*

Choose between the following course combinations (4):

PHY 151 Physics II, SQ (4) or

PHY 131 University Physics II: Electricity and Magnetism, SQ (3) and PHY 132 University Physics Laboratory 2, SQ (1)**

PHY 252 Physics III, SQ (4)

PHY 361 (3)

Two upper-division electives (to be selected with the approval of the physics advisor) (6-7) One lab course: PHY 333 (3) or PHY 334 (2)

*Both PHY 121 and PHY 122 must be taken to secure SQ credit.

**Both PHY 131 and PHY 132 must be taken to secure SQ credit.

A minimum of 12 upper division credit hours are required to complete this minor.

Enrollment Requirements: Students in most majors may pursue one or more minors and, upon successful completion of the prescribed course work, have that accomplishment officially recognized on the ASU transcript at graduation if 1) the college and/or department of the minor officially certifies, through established verification procedures, that all requirements for the minor have been met, and 2) the college (and, in certain colleges, the department) of the student's major allows the official recognition of the minor.

A student wishing to pursue a specific minor should consult an academic advisor in the unit offering that minor to ensure that an appropriate set of courses is taken. The student should also consult with an academic advisor in the college or department of his or her major to make sure the college or department of the major allows the recognition of the minor.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. Inappropriate combinations include (but are not limited to) ones in which an excessive number of courses in the minor are simultaneously being used to fulfill requirements of the student's major. Please contact the department for more information.

Contact Information:

Liberal Arts & Sciences, College of
Department of Physics
<http://physics.asu.edu>
PSF 470
physics.info@asu.edu
480-965-3561

Political Science Minor (ASPOLMIN)

Campus: WEST

Description: The political science minor program is designed to help students gain an understanding of theory, practice and policy underlying political processes locally, nationally and internationally and to train students in research skills necessary for the analysis of complex sociopolitical issues locally and globally.

The program strives to meet these goals by offering students learner-centered course work in political theory, American political institutions and international relations and world affairs. These goals are accomplished by offering a flexible program of course work focusing on international urban, race/ethnic sociopolitical areas, internships and service-learning/action research opportunities. Under the direction of faculty, students focus on intellectual and concrete policy issues in the greater Phoenix metropolitan area, Arizona, the Arizona-Mexico borderlands, the Americas and the world.

Program Requirements: The minor in political science consists of 18 credit hours in POS courses, 12 of which must be in upper-division courses.

Required courses

Select two from among the following:

POS 110 Government and Politics, SB (3) or POS 310 American National Government, SB (3)
POS 150 Comparative Government, SB, G (3)
POS 160 Global Politics, SB, G (3)
POS 210 Political Ideologies, SB (3)
Political science electives* (12)

* A maximum of three credit hours of internship and three credit hours of individualized instruction may be used to fulfill requirements.

Enrollment Requirements: The minor in political science is open to all undergraduate majors. A student wishing to pursue a specific minor should consult an academic advisor in the unit offering that minor to ensure an appropriate set of courses is taken. The student should also consult an academic advisor in the college or department of his or her major to make sure the college or department of the major allows the recognition of the minor. Please contact the division and visit the website for more information.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. The Academic Affairs Manual (ACD 305-12) regulates undergraduate academic minors and expressly forbids double counting of courses between majors and minor.

Contact Information:

Interdisciplinary Arts & Sciences, New College of
School of Social and Behavioral Sciences
<http://newcollege.asu.edu/sbs/degrees/politicalscience>
FAB S105
SBS.Dept@asu.edu
602-543-6058

Political Science Minor (LAPOSMIN)

Campus: ONLINE, TEMPE

Description: The minor in political science offers students the necessary skills and knowledge to participate effectively as citizens in a democratic political system and to flourish in the rapidly developing globalization of the world's political institutions, cultures, and economies. The minor aims to provide students with the tools and skills necessary to make connections linking theory with real world problems and issues.

Program Requirements: The minor in political science consists of 18 credit hours in political science courses, 12 credit hours of which must be upper-division courses. Students who minor in political science must have two courses from among the following in addition to four POS electives: POS 110 Government and Politics, SB (3) or POS 310 American National Government, SB (3) (but not both courses)

POS 150 Comparative Government, SB, G (3)

POS 160 Global Politics, SB, G (3)

POS 210 Political Ideologies, SB (3)

Students who minor in political science must have a minimum GPA of 2.00 for all courses that count toward the minor. Courses that count toward the minor must have a grade of "C" (2.00) or higher. No more than three credit hours of POS 484 Internship and three credit hours of POS 499 Individualized Instruction may be applied to the minor. A minimum of six upper division credit hours must be taken in residence at the Tempe campus.

Enrollment Requirements: Students who wish to pursue a minor in political science may do so with the permission of the department, school or college of their major as well as the advisor in the School of Politics and Global Studies. An ASU student who is pursuing a degree at any ASU campus may elect to add a minor offered at any other ASU campus.

Attend Online: ASU offers this program in a fully online format-no face-to-face sessions required. We offer six enrollment sessions throughout the year, and you learn in accelerated, 7.5-week classes.

Contact Information:

Liberal Arts & Sciences, College of
School of Politics and Global Studies
<http://pgs.clas.asu.edu/>
COOR 6797
spgs@asu.edu
480-965-6551

Psychology Minor (ASPGSMIN)

Campus: ONLINE, WEST

Description: Psychology is the scientific study of the behavior and mental processes of individuals and groups. The study of psychology includes basic and applied courses in the subfields of clinical, developmental, organizational, cross-cultural and social psychology, cognitive systems and behavioral neuroscience. The psychology minor prepares students for more advanced study in psychology at the graduate level, in either graduate or professional schools. The program emphasizes the development of wide-ranging skills in critical thinking and reasoning, quantitative and qualitative research methods, working collaboratively on teams and presentation of information in oral and written form.

Program Requirements: The minor consists of 22 credit hours in psychology, including the following:

Foundations of Psychological Science

PGS 101 Introduction to Psychology SB (3)

PSY 230 Introduction to Statistics CS (3)

PSY 290 Research Methods L/SG (4)

Social/Developmental Core

Choose one from the following courses (3):

PGS 315 Personality Theory and Research SB (3)

PGS 341 Developmental Psychology SB (3)

PGS 350 Social Psychology SB (3)

Neuroscience Core

Choose two from the following courses* (6):

PSY 320 Learning and Motivation (3)

PSY 323 Sensation and Perception (3)

PSY 324 Memory and Cognition (3)

PSY 325 Physiological Psychology (3)

PSY 330 Statistical Methods (3)

PSY 369 Biology of Human Sexuality (3)

PSY 470 Psychopharmacology (3)

Psychology elective

PGS or PSY upper-division elective (3)

* At least one choice must be PSY 320, 323, 324 or 325. A maximum of three credit hours of research (PGS 399 Supervised Research and

PGS/PSY 499 Individualized Instruction) may be used to meet the minor requirements. PGS 484 Internship may be taken for elective credit only. All courses must be passed with a minimum grade of "C" (2.00 on a scale of 4.00) or higher.

Enrollment Requirements: The minor in psychology is open to all undergraduate majors. A student wishing to pursue a specific minor should consult an academic advisor in the unit offering that minor to ensure an appropriate set of courses is taken. The student should also consult an academic advisor in the college or department of his or her major to make sure the college or department of the major allows the recognition of the minor. Please contact the division and see the website for more information.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. The Academic Affairs Manual (ACD 305-12) regulates undergraduate academic minors and expressly forbids double counting of courses between majors and minors.

Contact Information:

Interdisciplinary Arts & Sciences, New College of
School of Social and Behavioral Sciences
<http://newcollege.asu.edu/sbs/degrees/psychology>
FAB S105
SBS.Dept@asu.edu
602-543-6058

Psychology Minor (LAPGSMIN)

Campus: TEMPE

Description: The minor in psychology focuses on appreciating and understanding the human condition from a scientific, psychological point of view. Students completing the minor in psychology should possess breadth of knowledge pertaining to the major principles, theoretical approaches and findings in psychology.

They should also understand and be able to use basic research and quantitative methods in psychology and be able to gather and synthesize psychological findings.

Finally, they should be able to understand the relevance and applicability of psychological principles, approaches and findings to individual, group and social issues. In so doing, they will be prepared as educated citizens to pursue productive careers and engage on a daily basis their increasingly complex, information-rich world.

Program Requirements: The minor in psychology consists of completing the 22 credit hours of course work in the foundations of psychology and the breadth categories described below. Six credit hours of PGS/PSY courses must be completed at the ASU Tempe or Polytechnic campuses.

Required foundation courses:

PGS 101 Introduction to Psychology

PSY 230 Introduction to Statistics

PSY 290 Research Methods

Take one course each from four of the following five clusters:

Biological

PSY 325 Physiological Psychology/Personality/Mental Health

PGS 315 Personality Theory and Research

PGS 466 Abnormal Psychology/Cognitive/Learning

PSY 320 Learning and Motivation

PSY 323 Sensation and Perception

PSY 324 Memory and Cognition/Developmental

PGS 341 Developmental Psychology/Social

PGS 350/351 Social Psychology/Honors Social Psychology

Note: If a non-psychology statistics course is approved by the psychology department to substitute for PSY 230, an additional psychology course (PGS or PSY prefix) must be taken to complete the 22 credit hours of required psychology course work. Internship credit and teaching assistant credit may not be used to satisfy this requirement. For more information, please contact a psychology advisor.

Enrollment Requirements: Students who wish to pursue a minor in psychology may do so with the permission of the department, school or college of the major as well as the advisor in the Department of Psychology. An ASU student who is pursuing a degree at any ASU campus may elect to add a minor offered at any other ASU campus.

Contact Information:

Liberal Arts & Sciences, College of
Department of Psychology
<http://psychology.clas.asu.edu/advising/meet-with-an-advisor>
PSY 255
psych.advisor@asu.edu
480-965-7258

Public Relations and Strategic Communications Minor (HSPRSMIN)

Campus: WEST

Description: The minor in public relations and strategic communication prepares professionals with highly effective communication skills---speaking, writing, cultural sensitivity, critical thinking, problem-solving, media literacy, audience analysis and conflict management---through a number of academic program options.

Program Requirements: The public relations and strategic communications minor will provide students with professional and academic expertise in persuasion and campaign communication, public relations, crisis communication, special events planning, marketing, professional writing and editing (among other areas). Additionally, students will have the opportunity to refine the presentation skills needed for public and community relations. The minor consists of 18 credit hours of upper-division course work, including nine credit hours of required course work and nine credit hours of electives.

Required Core Courses

Choose three of the following courses, for a total of nine credits:

COM 319 Persuasion and Social Influence, SB (3)

COM 320 Communication and Consumerism, SB (3)

COM 353 Professional Communication (3)

COM 454 Rhetorical and Critical Approaches to Public Relations (3)

Electives (9)

Enrollment Requirements: The minor in public relations and strategic communications is open to all undergraduate majors. Students should consult the advisors in the department of their major to determine if the minor is consistent with their educational goals. A student wishing to pursue a specific minor should consult an academic advisor in the unit offering that minor to ensure an appropriate set of courses is taken. The student should also consult an academic advisor in the college or department of his or her major to make sure the college or department of the major allows the recognition of the minor. Please contact the division and see the website for more information.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. The Academic Affairs Manual (ACD 305-12) regulates undergraduate academic minors and expressly forbids double counting of courses between majors and minors.

Contact Information:

Interdisciplinary Arts & Sciences, New College of

School of Social and Behavioral Sciences

<http://newcollege.asu.edu/sbs/degrees/prsc>

FAB S105

SBS.Dept@asu.edu

602-543-6058

Public Service and Public Policy Minor (PPPAFMIN)

Campus: DTPHX

Description: The minor in public service and public policy is designed for students from across the university who have an interest in public service and public policy issues, students such as those studying journalism, sociology, criminology, the arts, engineering, the sciences and business.

Course work provides basic knowledge of the field and enriches the major with an applied policy focus. The minor has a strong professional and applied focus, intended to enhance students' education and ability to seek jobs in the public sector.

The public service sector offers sustainable, exciting and fulfilling career options. With a minor in public service and public policy, students use their knowledge of the public sector as a catalyst to change the world. By understanding the challenges that government faces and being well-versed in the development of multiple, useful and realistic solutions, they can contribute to the development of local, national and global communities.

Program Requirements: The minor in public service and public policy requires 18 credit hours.

Students must take 12 credits (four courses) of required courses in public service and public policy:

PAF 200 Public Service and Policy in the 21st Century PAF 300 Public Management and Administration

PAF 340 Contemporary Policy Challenges

PAF 400 Senior Capstone Project

Students must select six credits (two courses) from the following electives:

PAF 201 Economics and Public Policy

PAF 410 Building Leadership skills

PAF 420 Public Leadership

PAF 470 Topics in public economics and financial management

PAF 471 Public Policy Analysis

URB 300 Urban and Metropolitan Studies

URB 305 Urban Governance

Other related electives may be selected with advisor approval

Enrollment Requirements: A total of 12 credit hours must be taken in the School of Public Affairs at ASU. These include three of the required courses (PAF 300, 340, and 400) and one of the upper-division electives.

To earn the minor, students must complete all course work in the minor with a minimum grade of "C" (2.00) or higher.

Students wishing to pursue a minor should consult an academic advisor in the unit offering the minor to ensure the appropriate courses are taken. Students should also consult an academic advisor in the college or department of the major to ensure the college or department of the major recognizes the minor.

Contact Information:

Public Programs, College of

School of Public Affairs

<https://spa.asu.edu/programs/undergraduate/pspp/minor>

UCENT 400

spa@asu.edu

602-496-0450

Real Estate Minor (BAREAMIN)

Campus: TEMPE

Description: A minor in real estate is designed to provide an understanding of the real estate industry and to complement the major area of study. The minor consists of a strong foundation that includes real estate fundamentals, law, appraisal and land development. Students may choose from a variety of courses, such as investing, economics and urban issues, to complement the foundation. Students who complete the minor will have established a competitive knowledge base for careers in the real estate industry.

Program Requirements: Students must complete a minimum of 18 credit hours, including 12 hours of required courses and six hours of electives. Students must complete a minimum of 12 hours of resident credit for the minor. All courses must be completed with a grade of "C" (2.00) or higher. The upper-division business courses required or elected for this minor will be restricted to students with 56 earned credit hours, a minimum 2.50 ASU GPA and completed course prerequisites.

Upper-Division Courses (12 credit hours required)

LES 411 Real Estate Law

REA 380 Real Estate Fundamentals

REA 401 Real Estate Appraisal

REA 441 Real Estate Land Development

Elective Courses (6 credit hours required)

CON 472 Developmental Feasibility Reports

ALA 100 Intro to Environmental Design

GCU 361 Urban Geography

PUP 434 Urban Land Economics

REA 456 Real Estate Investments

SGS 310 Global Urban Systems

SOS 325 The Economics of Sustainability

URB 300 Urban and Metropolitan Studies

Enrollment Requirements: Students in most majors may pursue one or more minors and, upon successful completion of the prescribed course work, have that accomplishment officially recognized on the ASU transcript at graduation if 1) the college and/or department of the minor officially certifies, through established verification procedures, that all requirements for the minor have been met, and 2) the college (and, in certain colleges, the department) of the student's major allows the official recognition of the minor.

A student wishing to pursue a specific minor should consult an academic advisor in the unit offering that minor to ensure that an appropriate set of courses is taken. The student should also consult an academic advisor in the college or department of the major to make sure the college or department of the major allows the recognition of the minor.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. Inappropriate combinations include (but are not limited to) ones in which courses in the minor are simultaneously being used to fulfill requirements of the student's major. Please contact the department for more information.

Contact Information:

Business, W. P. Carey School of

Department of Finance

<http://my.wpcarey.asu.edu/undergrad/academics/real-estate-minor.cfm>

BA 109

wpcareyug@asu.edu

480-965-4227

Recreation Management Minor (PPRECMIN)

Campus: DTPHX

Description: The minor in recreation management introduces students to community recreation programming and planning for a variety of populations. The minor allows students enrolled in other undergraduate programs at ASU to broaden their educational experiences. Students from such various disciplines as business, education, nursing, public affairs, social work and many others might find this program a beneficial supplement to their existing program. Students interested in the recreation management minor may also be interested in the school's therapeutic recreation program.

Program Requirements: The recreation management minor requires completion of 15 credit hours, six credit hours of required courses and nine credit hours of elective courses.

Required core courses (6)

PRM 120 Leisure and the Quality of Life (3)

PRM 303 Program Planning, L (3)

Choose three elective courses from the following (9)

PRM 302 Inclusive Community Development (C) (3)

PRM 304 Recreation Planning and Facility Development (3)

PRM 315 Community Recreation Systems (3)

PRM 364 Foundations of Therapeutic Recreation (3)

PRM 368 Sports Management (3)

PRM 475 Entrepreneurial Recreation and Tourism (3)

PRM 486 Special Events Management (3)

PRM 494 Special Topics (3)

Standards

- Fifteen hours of graded classroom course work (no internship, no independent study).
- A minimum "C" (2.00) grade required for all classes in the minor.
- A minimum GPA of 2.00 for those pursuing the minor, a major or pre-major, other than parks and recreation management.
- Must be a junior to take 400-level courses.
- No double counting of courses for a major and the minor.

Enrollment Requirements: Students in most majors may pursue one or more minors and, upon successful completion of the prescribed course work, have that accomplishment officially recognized on the ASU transcript at graduation if the college (and, in certain colleges, the department) of the student's major allows the official recognition of the minor.

Students wishing to pursue the recreation management minor should consult an academic advisor in the college or department of the major to make sure the college or department of the major allows the recognition of the minor.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. Courses taken as part of a university minor may not count toward both the major degree and the minor. Students pursuing a bachelor's in parks and recreation management are not eligible to complete this minor.

Contact Information:

Public Programs, College of

School of Community Resources and Development

<http://scrd.asu.edu>

UCENT 550

scrd@asu.edu

602-496-0550

Religious Studies Minor (ASRELMIN)

Campus: WEST

Description: The minor in religious studies introduces students to the world's religious traditions and how these are used by humans to interpret experiences and find meaning. Students learn to think critically about religious world views and presuppositions and to explore the relation to contemporary challenges in the world.

Program Requirements: The minor in religious studies consists of 21 credit hours of religious studies course work, of which 18 must be upper-division hours (300 or 400 level). Only courses in which the student earns a minimum grade of "C" (2.00) can be counted toward the minor. Courses are to be selected in consultation with a program advisor to create a coherent and complete program of study for the minor.

Choose one from the following courses (3 credit hours):

AMS 417 Religious Traditions of the American Southwest, C (3)

REL 320 Religion in America, HU, H (3)

REL 321 Religion in America, L/HU, H (3)

REL 420 Religion in American Life and Thought (3)

Choose two from the following courses (6 credit hours):

ENG 424 Milton, HU (3)

HIS 363 Reformation (3)

REL 305 Ritual, Symbol and Myth (3)

REL 390 Women and World Religions, L/SB, G (3) or WST 390 Women and World Religions, L/SB, G (3)

REL 494 ST: Psychology of Religion (3) or AMS 494 ST: Psychology of Religion (3)

REL 494 ST: Science and Religion (3) or IAS 494 ST: Science and Religion (3)

Choose at least one special topics course (3 credit hours):

Select from the following prefixes: AMS, COM, IAS, REL, WST. Examples of topics may include spiritual narratives, communication as theology, testimony in a post-metaphysical world, the goddess religions and gender and the environment.

Choose three additional religious studies courses (9 credit hours):

These courses, or other approved courses, must be chosen in consultation with a program advisor and may include REL 484 Internship and/or REL 499 Individual Instruction.

Enrollment Requirements: The minor in religious studies is open to all undergraduate majors. However, students should consult with the advisors in the department of their major to determine if the minor is consistent with their educational goals. Students are encouraged to take courses outside their major and college. Please contact the department for more information.

Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. Please contact the division for more information. The Academic Affairs Manual (ACD 305-12) regulates undergraduate academic minors and expressly forbids double counting of courses between majors and minors.

Contact Information:

Interdisciplinary Arts & Sciences, New College of

School of Humanities, Arts, and Cultural Studies

<http://newcollege.asu.edu/harcs/degrees/minors/religiousstudies>

FAB N201

harcs.dept@asu.edu

602-543-4444

Religious Studies Minor (LARELMIN)

Campus: TEMPE

Description: A minor in religious studies encourages students to engage in a comparative, cross-cultural exploration of religions and cultures that complements a variety of undergraduate majors and promotes a deeper understanding of human nature and interaction. Students may pursue the minor in religious studies with regional, national, hemispheric, global and a variety of thematic emphases.

Program Requirements: The minor in religious studies consists of 18 credit hours, at least 12 of which must be in the upper division. REL 207 is required. For minor verification and assistance in course selection, students must consult an academic advisor in the School of Historical, Philosophical & Religious Studies.

Enrollment Requirements: Students who wish to pursue a minor in religious studies may do so with the permission of the department, school or college of their major as well as the advisor in the School of Historical, Philosophical & Religious Studies. Students in most majors may pursue one or more minors and, upon successful completion of the prescribed course work, have that accomplishment officially recognized on the ASU transcript at graduation if 1) the college and/or school of the minor officially certifies, through established verification procedures, that all requirements for the minor have been met, and 2) the college (and, in certain colleges, the department) of the student's major allows the official recognition of the minor.

A student wishing to pursue a specific minor should consult an academic advisor in the unit offering that minor to ensure that an appropriate set of courses is taken. The student should also consult with an academic advisor in the college or department of his or her major to make sure the college or department of the major allows the recognition of the minor.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. Inappropriate combinations include (but are not limited to) ones in which an excessive number of courses in the minor are simultaneously being used to fulfill requirements of the student's major. Please contact the School of Historical, Philosophical and Religious Studies for more information.

Contact Information:

Liberal Arts & Sciences, College of

Historical, Philosophical & Religious Studies, Sch

http://shprs.clas.asu.edu/religious_studies
COOR 3rd floor Advising Center
SHPRSadvising@asu.edu
480-965-5778

Romanian Minor (LAROMMIN)

Campus: TEMPE

Description: The minor in Romanian provides students with the means to develop their interests in social cultural and political matters that are marked by a strong language dimension.

Program Requirements: The Romanian minor consists of 18 credit hours of ROM courses beyond ROM 201. This minor is structured so that it requires all ROM courses to be at the upper division (300 and above) level.

- A grade of "C" (2.00) or better is required in all courses to be counted toward the minor.
- A minimum of six upper division hours in the minor must be taken in residence at ASU.
- Pass/Fail courses cannot be used for the minor.
- ROM 101 through 201 are not applicable to the minor.
- Course substitutions are permitted for Heritage speakers and other advanced speakers of Romanian.

Required courses include:

ROM 313 Intermediate Composition and Conversation I, G (3)
ROM 314 Intermediate Composition and Conversation II, G (3)
ROM 411 Advanced Spoken and Written Romanian I, G (3)
ROM 412 Advanced Spoken and Written Romanian II, G (3)
ROM 494 Advanced Romanian Grammar (3)
ROM 499 Individualized Instruction (3)

Enrollment Requirements: Students who wish to add a minor in Romanian to the bachelor's degree program they are pursuing may do so if approved by the department, school or college of the major. Please contact the school for more information.

Contact Information:

Liberal Arts & Sciences, College of
School of International Letters and Cultures
<http://silc.asu.edu/undergraduate/majors-minors-certs>
LL 440
silcadvising@asu.edu
480-965-6281

Russian Minor (LARUSMIN)

Campus: TEMPE

Description: Students pursuing a minor in Russian gain an understanding of the language, literature and cultures of Russian-speaking peoples and regions. There are opportunities to partake in study abroad programs, which can serve to enhance a student's minor experience and education.

Program Requirements: The Russian minor consists of 18 credit hours of Russian courses above RUS 202.

Required (6 hours):

RUS 311 Russian Comp/Conversation (3)
RUS 312 Russian Comp/Conversation (3)
Electives above 202 level (12 hours)

The course SLV 304 Computer Linguistics of the Slavic languages is able to be counted as a Russian course for purposes of the minor.

Enrollment Requirements: Students who wish to add a minor in Russian to the bachelor's they are pursuing may do so if approved by the department, school or college of the major. Please contact the school for more information.

Contact Information:

Liberal Arts & Sciences, College of
School of International Letters and Cultures
<http://silc.asu.edu/undergraduate/majors-minors-certs>
LL 440
silcadvising@asu.edu

Science, Technology and Society Minor (ECSTSMIN)

Campus: POLY

Description: The science, technology and society program offers a minor to students outside the science, technology and society major, regardless of their major field of specialization. Living in a 21st-century world is characterized by rapid technological change and uncertainty. Mastering the intricacies of the interrelationships between technology and human systems will enhance a degree in any area, and arm graduates with the insights and skills required for success in any endeavor.

Program Requirements: The minor in science, technology and society (STS) requires:

- A minimum of six upper-division hours in the minor must be taken in residence at the Polytechnic campus.
- Courses that count toward the minor must have a grade of "C" (2.00) or higher.
- 18 credit hours of course work, 12 hours of which must be STS upper-division courses.
- Students who minor in STS must have a minimum GPA of 2.00 for all courses that count toward the minor.

One course in general STS and one in internationalization are required to complete the minor as follows: 1) General STS: STS 101 Introduction to Science, Technology and Society or STS 304 Science, Technology and Society, and 2) Internationalization: STS 110 Global Technology and Development or STS 317 Science, Technology and Global Engagement.

The following courses are available to complete the minor:

STS 301 Research in Science and Technology Studies
STS 302 Philosophy of Science and Technology
STS 303 History of Science and Technology
STS 305 Science and Social Theory
STS 306 Social Effects of Science and Technology
STS 318 Science, Technology and Government
STS 325 Science, Technology and Public Policy
STS 328 Science, Technology and Culture
STS 329 Cultivating Technology in Newly Industrialized Countries
STS 330 Information Technology and Globalization
STS 331 Ethical Issues in Science and Technology
STS 332 Seminar: Global Issues in Science and Technology
STS 364 Science, Technology and National Security
STS 425 Law, Values, and Science and Technology

Enrollment Requirements: A GPA of 2.00 or higher is required for all resident applicants and 2.50 for nonresident applicants.

Contact Information:

Letters & Sciences, School of
School of Letters and Sciences
<http://sls.asu.edu/>
SANCA 233
sls@asu.edu
480-727-1526

Slavic Studies Minor (LASLVMIN)

Campus: TEMPE

Description: This minor focuses on Slavic languages and cultures with a concentration in either Bosnian/Croatian/Serbian (BCS) or Polish. It is intended primarily for the students of other departments (e.g., history, cultural anthropology, music, political science, economics) whose professional interests lie in Poland or the countries of South-Eastern Europe. The program places equal emphases on languages, culture and regional studies. The minor develops limited professional linguistic proficiency in either BCS or Polish along with adequate cultural sensitivity.

Program Requirements: The minor in Slavic Studies requires 18 credit hours, including a minimum of 12 upper-division hours.

Required Courses

- Any 300 or 400 level RUS, SLV, PLC, or BCS literature or culture course, G (3).
- BCS 311 and 312 Serbo-Croatian Composition and Conversation (6) or PLC 311 and 312 Polish Composition and Conversation (6).
- SLV 304 Computational Linguistics of the Slavic Languages, G (3).
- SLV 440 History of the Slavic Languages, G (3).
- SLV 498 Senior Capstone Seminar, G (3).

Notes for Minor

- A grade of "C" (2.00) or better must be achieved in all courses to be counted toward the minor.
- A minimum of six upper-division hours in the minor must be taken in residence at ASU Tempe campus.
- Course substitutions are permitted for heritage speakers and other advanced speakers of Slavic languages. Please contact the head of the SILC faculty of German, Romanian and Slavic for more information.
- Pass/fail courses cannot be used for the minor.
- 201 and 202 language courses are not applicable to the minor.

Contact Information:

Liberal Arts & Sciences, College of
School of International Letters and Cultures
<http://www.asu.edu/silc>
LL 440
silcadvising@asu.edu
480-965-6281

Small Business Minor (AGSMBMIN)

Campus: POLY

Description: The Morrison School of Agribusiness and Resource Management in the College of Technology & Innovation offers a small business minor. The requirements for the small business minor are 15 hours of the small business core and three hours from the list of approved business-related area courses.

Program Requirements: Small Business Core Courses (15)

- BUA 380 Small Business Leadership (3)
- BUA 381 Small Business Accounting and Finance (3)
- BUA 382 Small Business Sales and Market Development (3)
- BUA 383 Small Business Working Relationships (3)
- BUA 384 Small Business Operations and Planning (3)

Business-Area Related Course (3)

Enrollment Requirements: The minor in small business is available to nonbusiness majors and consists of 18 credit hours, with five required courses and one business-related area course.

Contact Information:

Technology & Innovation, College of
Morrison School of Agribusiness and Resource Mgmt
<http://technology.asu.edu/morrison>
SUTON 340
morrisonsschool@asu.edu
480-727-1874

Social Welfare Minor (LASSWMIN)

Campus: DTPHX

Description: The social welfare minor prepares students for work in human service settings where a fundamental knowledge of human relations is required. It complements careers in journalism, communications, public administration, nursing and related fields and provides a foundation for students who seek to pursue an M.S.W. The minor enhances and broadens the ability of students to analyze complex family, individual and societal problems in the context of societal values, cultural diversity and other social and economic variables. The minor also contributes to students' understanding of society and social behavior, encourages critical thinking and helps develop communication skills.

Program Requirements: Students should:

- Be at sophomore standing to take 300- or 400-level course.
- Complete 18 credit hours of graded course work (internship or independent study not applicable).
- Complete a minimum of 12 credit hours of resident credit at ASU.
- Complete SWU 171 as the prerequisite for all upper-division SWU courses.
- Earn a grade of "C" (2.00) or higher for all classes in the minor.
- Maintain a cumulative GPA of 2.00 (4.00 scale) or higher.

- Meet with a social welfare advisor prior to registration.
- Take a minimum of 12 credit hours of upper-division course work from the approved list.

Required courses:

SWU 171 Introduction to Social Work (3)
 SWU 291 Social Service Delivery Systems (3)
 SWU 432 Social Policy & Services (3)

Select three credit hours from the list below:

SWU 374 Diversity and Oppression in Social Work Context (3)
 SWU 394 LGBT People (3)
 SWU 394 LGBT Health Disparities (3)
 SWU 498 Border Family and Community Asset Building Policies (3)
 SWU 457 Southwest Borderlands Immigration Issues (3)
 SWU 494 Immigrants and Refugees (3)
 SWU 494 Spanish for Human Services (3)
 SWU 455 Social Work Practice Skills with Latinos (3)
 SWU 498 Lesbian/Gay Issues (3)

Select six credit hours from the following list*:

SWU 303 Micro Human Behavior Social Environment (3)
 SWU 340 Macro Human Behavior Social Environment (3)
 SWU 498 Pro-Seminar (3)

*Note: Student may select one additional course from the cultural diversity options above.

Lower-division credit hours required: 6

Upper-division credit hours required: 12

Total credit hours required: 18

Enrollment Requirements: Please meet with a social welfare advisor prior to registration.

Contact Information:

Public Programs, College of
 School of Social Work
<http://ssw.asu.edu>
 UCENT 800
 social.work@asu.edu
 602-496-0800

Social and Behavioral Sciences Minor (ASSBSMIN)

Campus: WEST

Description: The minor offers students an interdisciplinary focus across several fields of the social and behavioral sciences, including communication, sociocultural anthropology, geography, political science, psychology and sociology.

Program Requirements: The minor consists of 18 credit hours, at least 12 credit hours of which must be in upper-division courses. All courses must be completed with a minimum grade of "C" (2.00 on a scale of 4.00). Students wishing to pursue a minor must meet with an SBS department advisor to construct a minor that reflects a particular area of specialty and interest.

Required courses are (3):

SBS 200 Introduction to Social and Behavioral Sciences, SB (3)

Select one course from the following list (3):

COM 308 Empirical Research Methods, L (3)
 COM 309 Rhetorical, Interpretive, and Critical Methods in Communication (3)
 SBS 302 Qualitative Methods (3)
 SBS 303 Quantitative Methods (3)
 SOC 391 Research Methods, L/SB (3)
 PSY 290 Research Methods, L/SG (4)

Electives (12)

A maximum of three semester hours of internship and three semester hours of individualized instruction may be used to fulfill requirements. Courses approved for the 12 credit hours in the minor would come from one of the approved themes from the major.

Enrollment Requirements: The minor in social and behavioral sciences is open to all undergraduate majors. Students should consult the advisors in the department of their major to determine if the minor is consistent with their educational goals. A student wishing to pursue a specific minor should consult an academic advisor in the unit offering that minor to ensure an appropriate set of courses is taken. The student should also consult an academic advisor in the college or department of his or her major to make sure the college or department of the major allows recognition of the minor. Please contact the division and see the website for more information.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. The Academic Affairs Manual (ACD 305-12) regulates undergraduate academic minors and expressly forbids double counting of courses between majors and minors.

Contact Information:

Interdisciplinary Arts & Sciences, New College of
School of Social and Behavioral Sciences
<http://newcollege.asu.edu/sbs/degrees/sbs>
FAB S105
SBS.Dept@asu.edu
602-543-6058

Sociocultural Anthropology Minor (ASASBMIN)

Campus: WEST

Description: The minor is designed to provide students with a substantive understanding of the theoretical assumptions and methodological techniques underlying the field of sociocultural anthropology. Courses provide students with knowledge about and theoretical approaches to cross-cultural studies and transnational research, emphasizing culture and political economy in historical context. Specifically, students minoring in sociocultural anthropology will be expected to demonstrate knowledge and skill in the following areas:

- Anthropological approaches to and explanatory frameworks for the study of social issues in culture and political economy.
- Application of theoretical knowledge to understanding sociocultural practices across local and global contexts.
- Awareness of cultural, ethnic, gender, sexual, class and age differences and commonalities across world social formations.
- Critical thinking and analytical reasoning.
- Development of their own anthropological perspective for use in their everyday lives and future studies or employment.
- Effective oral presentation and written communication.
- Interpretation of cultural practices, social theory and social texts.
- Qualitative research methods in anthropology and other social sciences and interpretive humanities, including ethnographic field research and library research.

Program Requirements: The minor requires 18 credit hours, at least 12 of which must be in upper-division courses. Two courses, ASB 311 and SBS 302, are required. The remaining 12 credit hours may be drawn from ASB courses and from several key SBS courses. All courses must be passed with a minimum grade of "C" (2.00) or higher. Up to six credit hours of lower-division courses and three credit hours of ASB 499 Individualized Instruction may also be applied toward the minor.

Required courses:

ASB 311 Principles of Social Anthropology, SB, G, H (3)

SBS 302 Qualitative Methods (3)

Choose four from the following, for a total of 12 credits:

ASB 102 Introduction to Cultural and Social Anthropology, SB, G (3)

ASB 211 Women in Other Cultures, HU/SB, G (3)

ASB 319 Indigenous Peoples of North America (3)

ASB 339 Grassroots Social Movements, SB (3)

ASB 340 Migration and Culture, SB, G (3)

ASB 342 Mexico-U.S. Borderlands, SB (3)

ASB 346 Marriage and Family Diversity, SB, C (3)

ASB 350 Anthropology and Art, HU (3)

ASB 353 Death and Dying in a Cross-Cultural Perspective, HU/SB, G (3)

ASB 356 Central American Studies, SB, G (3)

ASB 374 Culture and Politics of the Internet (3)

ASB 389 Ethnographic Field Lab (1-6)

ASB 394 Special Topics (1-4)

ASB 440 Women in the Global Factory, SB, G (3)

ASB 441 Sexuality and Culture, SB, G (3)

ASB 442 Urban Anthropology, SB (3)
ASB 445 Globalization, Development, and Resistance, SB, G (3)
ASB 447 Citizenship, Nationalism, and Identity, SB, G (3)
ASB Electives (3)
SBS 301 Cultural Diversity, L/SB, C (3)
SBS 450 Topics in Local/Global, SB, G (3)
SBS 460 Urban Studies SB (3)
SBS 480 Global Justice, G (3)

Enrollment Requirements: The minor in sociocultural anthropology is open to all undergraduate majors. Students should consult the advisors in the department of their major to determine if the minor is consistent with their educational goals. A student wishing to pursue a specific minor should consult an academic advisor in the unit offering that minor to ensure an appropriate set of courses is taken. The student should also consult an academic advisor in the college or department of his or her major to make sure the college or department of the major allows the recognition of the minor. Please contact the division and see the website for more information.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. The Academic Affairs Manual (ACD 305-12) regulates undergraduate academic minors and expressly forbids double counting of courses between majors and minors.

Contact Information:

Interdisciplinary Arts & Sciences, New College of
School of Social and Behavioral Sciences
<http://newcollege.asu.edu/sbs/degrees/sa>
FAB S105
SBS.Dept@asu.edu
602-543-6058

Sociology Minor (ASSOCMIN)

Campus: WEST

Description: The sociology program provides students with an understanding of the theory, practice and policy underlying issues of social change, inequality and diversity. These issues are approached from multiple perspectives, including race/ethnicity, gender, economic position, age, geographic location and position in the global political economy. The student minoring in sociology will learn how it enhances one's understanding of social realities and institutions at local, national and international levels and how sociology contributes to the other social sciences and to the humanities. Students gain a basic understanding of the assumptions underlying the discipline of sociology and develop the research skills necessary for analysis of complex social issues. These objectives are met by offering a flexible program and by providing the student with individual and group experiences in working with faculty members on concrete intellectual and policy issues.

Program Requirements: The minor in sociology requires 18 credit hours in sociology, of which 12 hours must be upper-division courses. Required courses are:

SOC 101 Introductory Sociology, SB (3)

Select one of the following courses (3):

SBS 303 Quantitative Methods (3)
SBS 304 Social Statistics I, CS (3)
SOC 390 Social Statistics I, CS (3)
SOC 391 Sociological Research, SB (3)
SOC 483 History of Social Thought, SB (3)
SOC 486 Contemporary Theory, SB (3)

Additional sociology electives (12)

Enrollment Requirements: The minor in sociology is open to all undergraduate majors. Students should consult the advisors in the department of their major to determine if the minor is consistent with their educational goals. A student wishing to pursue a specific minor should consult an academic advisor in the unit offering that minor to ensure an appropriate set of courses is taken. The student should also consult an academic advisor in the college or department of his or her major to make sure the college or department of the major allows the recognition of the minor. Please contact the division and see the website for more information.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. The Academic Affairs Manual (ACD 305-12) regulates undergraduate academic minors and expressly forbids double counting of courses between majors and minors.

Contact Information:

Interdisciplinary Arts & Sciences, New College of
School of Social and Behavioral Sciences
<http://newcollege.asu.edu/sbs/degrees/sociology>
FAB S105
SBS.Dept@asu.edu
602-543-6058

Sociology Minor (LASOCMIN)

Campus: ONLNE, TEMPE

Description: A minor in sociology from the School of Social and Family Dynamics exposes students to the basic course work and issues within the discipline. This program provides an exceptional balance to studies in psychology, communication, education, business and nursing.

Program Requirements: The minor in sociology requires 18 hours, of which 12 hours must be upper-division courses. A minimum of six upper-division SOC courses must be completed from offerings of the Tempe campus. Required courses are:

SOC 101 Introductory Sociology, SB (3)

SOC 391 Sociological Research, SB (3) or SOC 483 History of Social Thought, SB (3) or SOC 486 Contemporary Theory, SB (3)

12 credit hours of Sociology (SOC) electives, of which a minimum 9 credit hours must be upper division.

Enrollment Requirements: Students who wish to pursue a minor in sociology may do so with the permission of the department, school or college of their major as well as the advisor in the School of Social and Family Dynamics. An ASU student who is pursuing a degree at any ASU campus may elect to add a minor offered at any other ASU campus.

Please contact the school for more information.

Attend Online: ASU offers this program in a fully online format-no face-to-face sessions required. We offer six enrollment sessions throughout the year, and you learn in accelerated, 7.5-week classes.

Contact Information:

Liberal Arts & Sciences, College of
School of Social and Family Dynamics
<http://ssfd.clas.asu.edu/>
SS 144
email@ssfd.info
480-965-6978

Spanish Minor (ASSPAMIN)

Campus: WEST

Description: The Spanish minor consists of three emphases: language, literature and cultures. These emphases are integrated within the discipline and with other disciplines within the New College of Interdisciplinary Arts and Sciences.

The program also allows credit for internships in social and business agencies. This school-to-work experience, in addition to offering the student possible entry-level job opportunities, provides stimulating linguistic and cultural rewards outside the campus environment.

Program Requirements: The minor in Spanish consists of 18 upper-division credit hours (300 or 400 level).

The following courses cannot be used to fulfill requirements for the minor:

- SPA 311
- SPA 312
- SPA 313
- SPA 314
- SPA 315
- SPA 316
- SPA 319
- SPA 394
- SPA 494

Preparatory course work may not be used to satisfy minor requirements. Preparatory course work includes:

- SPA 111
- SPA 201
- SPA 202 (or test equivalent to placement in Spanish composition)
- SPA 313

- SPA 314 or SPA 316
- SPA 315

Students must complete all course work in the minor with a grade of "C" (2.00) or better. No pass/fail credit may be used for minor requirements. No course may be used to satisfy more than one of these requirements. Other courses must be approved by an advisor.

Enrollment Requirements: Students wishing to pursue the Spanish minor should consult an academic advisor in the unit offering that minor to ensure the appropriate set of courses is taken. The student should also consult an academic advisor in the college, division or department of his or her major to make sure the minor is recognized and to have the minor added to the program of study.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. Please contact the division for more information. The Academic Affairs Manual (ACD 305-12) regulates undergraduate academic minors and expressly forbids double counting of courses between majors and minors.

Contact Information:

Interdisciplinary Arts & Sciences, New College of
 School of Humanities, Arts, and Cultural Studies
<http://newcollege.asu.edu/harcs/degrees/minors/spanish>
 FAB N201
 harcs.dept@asu.edu
 602-543-4444

Spanish Minor (LASPAMIN)

Campus: TEMPE

Description: Students pursuing a minor in Spanish gain an understanding of the language, literature, and cultures of Spanish speaking peoples and regions. There are opportunities to partake in study abroad programs, which can serve to enhance a student's minor experience and education.

Program Requirements: The minor in Spanish requires a minimum of 18 upper-division credit hours. Course substitutions are allowed for heritage and advanced speakers of the language.

Required courses are:

SPA 325 Introduction to Hispanic Literature, HU (3)

SPA 412 Advanced Conversation and Composition, G (3)

Choose two of the following courses (6):

SPA 425 Spanish Literature (to 1700), HU (3)

SPA 426 Spanish Literature (from 1700), HU (3)

SPA 427 Spanish American Literature (to 1880), L (3)

SPA 428 Spanish American Literature (from 1880), L, G (3)

SPA 464 Mexican American Literature, HU (3)

Choose one of the following courses (3):

SPA 471 Civilization of the Spanish Southwest, L/HU, C (3)

SPA 472 Spanish American Civilization, HU, G, H (3)

SPA 473 Spanish Civilization, HU/SB, G (3)

Choose one from the following courses (3):

SPA 394 Special Topics (3)

SPA 413 Advanced Spanish Grammar (3)

SPA 429 Mexican Literature (3)

SPA 434 Drama of the Golden Age (3)

SPA 435 Cervantes (3)

Enrollment Requirements: Students who wish to add the minor in Spanish to the degree they are currently pursuing may do so if approved by the major department, school or college. Please contact the School of International Letters and Cultures for more information.

Contact Information:

Liberal Arts & Sciences, College of
 School of International Letters and Cultures
<http://silc.asu.edu/undergraduate/majors-minors-certs>
 LL 440
 silcadvising@asu.edu
 480-965-6281

Spanish Minor (LSSPAMIN)

Campus: DTPHX

Description: The series of courses in this 18-credit-hour minor will help students hone Spanish communication skills and cultural knowledge, to serve the needs of the U.S. Latino community in professional settings (i.e., education, social work, health care, criminology, journalism). This program is only offered on the ASU Downtown Phoenix campus and is focused on serving the needs of the students in the College of Public Programs, the College of Nursing and Health Innovation, the Mary Lou Fulton Teachers College and the Walter Cronkite School of Journalism and Mass Communication. The combination of professionally focused courses and practical experience in this minor will enhance students' professional preparation for employment in positions that require advanced proficiency in Spanish and an in-depth understanding of U.S.-Latino culture.

Program Requirements: Prerequisite: SPA 314/316 or permission of instructor.

SPA 494/401

SPA 494/402

SPA 494/403

SPA 494/404

SPA 494/405

SPA 484/SPA 499*

Internship or Independent Study

*Prerequisite: A minimum of 12 credit hours completed in this minor and permission of the instructor.

All courses for this minor will require a minimum grade of "C" (2.00) or better to receive credit toward fulfilling minor requirements.

Enrollment Requirements: For additional admission and registration requirements, please visit the school website.

Contact Information:

Letters & Sciences, School of

School of Letters & Sciences

<http://sls.asu.edu/>

UCENT 300

sls@asu.edu

602-496-4000

Special Events Management Minor (HSEVNMIN)

Campus: DTPHX

Description: The minor in special events management is designed to offer students a solid understanding of special event programming and management. In addition to the two-tiered special event course, which provides basic and advanced instruction as well as experiential learning opportunities through event production, students will be able to select electives to meet their interests.

The minor allows students enrolled in other undergraduate programs at ASU to broaden their educational experiences. Students from such various disciplines as business, communication and many others find this program a beneficial supplement to their existing program. For more information, access the school's website.

Program Requirements: The minor requires 15 credit hours, six credit hours of required courses and nine credit hours of elective courses.

Required Core Courses (6)

PRM 486 Special Events Management (3)

PRM 487 Advanced Special Events Management (3)

Choose three elective courses from the following (9)

NLM 300 Fundraising & Resource Development (3)

PRM 303 Program Planning, L (3)

PRM 304 Recreation Planning/Facility Development (3)

PRM 475 Entrepreneurial Recreation and Tourism (3)

TDM 205 Intro to Travel and Tourism (G) (3)

TDM 345 Meeting and Convention Planning (3)

TDM 350 Tourism Marketing (3)

TDM 458 International Tourism (G) (3)

Standards

- 15 hours of graded classroom course work (no internship, no independent study).
- A minimum "C" (2.00) grade required for all classes in the minor.
- A minimum GPA of 2.00 for those pursuing the minor, a major or pre-major, other than parks and recreation management or tourism development and management.
- Must be a junior to take 400-level courses.

- No double counting of courses for a major and the minor.

Enrollment Requirements: Students in most majors may pursue one or more minors and, upon successful completion of the prescribed course work, have that accomplishment officially recognized on the ASU transcript at graduation if the college (and, in certain colleges, the department) of the student's major allows the official recognition of the minor.

Students wishing to pursue the special events management minor should consult an academic advisor in the college or department of the major to make sure the college or department of the major allows the recognition of the minor.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. Courses taken as part of a university minor may not count toward the major degree and the minor. Students pursuing a B.S. in either parks and recreation management or tourism development and management are not eligible to complete this minor.

Contact Information:

Public Programs, College of
School of Community Resources and Development
<http://scrd.asu.edu>
UCENT 500
scrd@asu.edu
602-496-0550

Speech and Hearing Science Minor (LASHSMIN)

Campus: TEMPE

Description: The Department of Speech and Hearing Science offers an undergraduate minor in speech and hearing science. This is an academic program with emphasis on normal aspects of speech, language and hearing.

Program Requirements: For your information, the required courses are listed below, but students are strongly encouraged to visit an advisor from the Department of Speech and Hearing Science at ASU. The minor in speech and hearing science consists of 24 credit hours with the following classes required:

SHS 105 Introduction to Human Communication Disorders (3)

SHS 250 Introduction to Phonetics (3)

SHS 310 Anatomical and Physiological Bases of Speech (3)

SHS 311 Physical and Physiological Bases of Hearing (3)

Choose one from the following:

SHS 367 Language Science, SB (3)

SHS 375 Speech Science (3)

The remainder of the credits must come from the following courses:

SHS 401 Introduction to Audiology (3)

SHS 402 Modifying Communicative Behavior (3)

SHS 465 Speech and Language Acquisition, SB (3)

SHS 470 Developmental Speech and Language Disorders (3)

SHS 485 Acquired Speech and Language Disorders (3)

SHS 496 Aural Rehabilitation (3)

Enrollment Requirements: Students in most majors may pursue one or more minors and, upon successful completion of the prescribed course work, have that accomplishment officially recognized on the ASU transcript at graduation if 1) the college and/or department of the minor officially certifies, through established verification procedures, that all requirements for the minor have been met, and 2) the college (and, in certain colleges, the department) of the student's major allows the official recognition of the minor.

A student wishing to pursue a specific minor should consult an academic advisor in the unit offering that minor to ensure that an appropriate set of courses is taken. The student should also consult with an academic advisor in the college or department of his or her major to make sure the college or department of the major allows the recognition of the minor.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. Inappropriate combinations include (but are not limited to) ones in which an excessive number of courses in the minor are simultaneously being used to fulfill requirements of the student's major.

Please contact the department for more information at <http://shs.asu.edu/ug-minor> (<http://shs.asu.edu/ug-minor>).

Contact Information:

Liberal Arts & Sciences, College of
Department of Speech and Hearing Science
<http://shs.asu.edu/>
COOR 2215
shsadvise@asu.edu

Statistics Minor (LASTAMIN)

Campus: TEMPE

Description: The minor in statistics is recommended for students majoring in a variety of disciplines such as physics, engineering applications, business, economics, and in the life and social sciences where the need for quantification in the analysis of phenomena is strong.

Program Requirements: The minor in statistics consists of a minimum of 18-20 credit hours. Required courses include:

MAT 271 Calculus with Analytic Geometry II, MA (4) or MAT 266 Calculus for Engineers II (3)

MAT 272 Calculus with Analytic Geometry III, MA (4) or MAT 267 Calculus for Engineers III (3)

MAT 300 Mathematical Structures (3)

STP 420 Introductory Applied Statistics (3)

STP 421 Probability (3)

STP 427 Mathematical Statistics (3) or STP 429 Experimental Statistics CS (3)

Enrollment Requirements: Students in most majors may pursue one or more minors and, upon successful completion of the prescribed course work, have that accomplishment officially recognized on the ASU transcript at graduation if 1) the college and/or department of the minor officially certifies, through established verification procedures, that all requirements for the minor have been met, and 2) the college (and, in certain colleges, the department) of the student's major allows the official recognition of the minor.

A student wishing to pursue a specific minor should consult an academic advisor in the unit offering that minor to ensure that an appropriate set of courses is taken. The student should also consult with an academic advisor in the college or department of his or her major to make sure the college or department of the major allows the recognition of the minor.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. Inappropriate combinations include (but are not limited to) ones in which an excessive number of courses in the minor are simultaneously being used to fulfill requirements of the student's major. Please contact the department for more information.

Contact Information:

Liberal Arts & Sciences, College of

School of Mathematical and Statistical Sciences

<http://math.asu.edu/>

PSA 211

math@asu.edu

480-965-7195

Sustainability Minor (SUSUSMIN)

Campus: TEMPE

Description: Arizona State University offers a minor in sustainability that introduces students to the problems of sustainability and enables them to understand what it is that determines the sustainability of human institutions, organizations, cultures and technologies in different environments at the local, national and international level.

Program Requirements: SOS 100: Introduction to Sustainability

SOS 300: Advanced Concepts and Integrated Approaches in Sustainability

Two courses (at the 100-200 level) from two of the four sustainability theme areas:

- Coupled human-environment systems.
- Earth systems.
- Human transformation of the earth.
- Social, political and economic treatment of natural resources and environment.

Six credit hours of 300-400 level sustainability electives commensurate with student's major.

Students should consult with their major academic advisor for course selection.

Enrollment Requirements: The sustainability minor is available to students pursuing a major outside of the School of Sustainability. However, this minor is not available to business students pursuing the sustainability concentration. Students who wish to add the minor in sustainability to the degree they are currently pursuing may do so if approved by the department, school or college of their major. Students should contact their academic advisor for more information.

Contact Information:

Sustainability, School of

School of Sustainability

<http://schoolofsustainability.asu.edu/>

GIOS 108
sustainabilityminor@asu.edu
480-727-6963

Sustainable Tourism Minor (PPTDMSMIN)

Campus: DTPHX

Description: As sustainability expands in popularity as a discipline, students are looking to find ways to better understand how they can apply the principles of sustainability to specific areas of interest. A minor in sustainable tourism development will allow students from any major to learn the basic concepts and theories of tourism development and management and help them identify ways in which tourism can contribute to sustainable development, locally and globally.

The minor allows students enrolled in other undergraduate programs at ASU to broaden their educational experiences. Students from such various disciplines as sustainability, business, and many others will find this program a beneficial supplement to their existing program. Students may also choose to complete a study abroad program.

Program Requirements: The minor requires a total of 15 credit hours, 12 credit hours of required courses and three credit hours of elective.

Required core courses (12)

TDM 205 Introduction to Travel and Tourism

TDM 372 Tourism Planning

TDM 458 International Tourism

TDM 480 Sustainable Tourism

Electives courses (3)

PRM 475 Entrepreneurial Recreation and Tourism

TDM 394/494 Special Topics

TDM 448 Heritage and Cultural Tourism

TDM 481 Sustainable Food Management in Tourism

TDM 482 Sustainable Revenue Management in Tourism

Standards:

- Fifteen hours of graded classroom course work (no no internship, no independent study).
- A minimum "C" (2.00) grade required for all classes in the minor.
- A minimum GPA of 2.00 for those pursuing the minor; a major other than tourism development and management.
- Must be a junior to take 400-level courses.
- No double counting of courses for a major and the minor.
- Must be a junior or higher to take 400-level courses.

Enrollment Requirements:

Students in most majors may pursue one or more minors and, upon successful completion of the prescribed course work, have that accomplishment officially recognized on the ASU transcript at graduation if the college (and, in certain colleges, the department) of the student's major allows the official recognition of the minor.

Students wishing to pursue the sustainable tourism minor should consult an academic advisor in the college or department of the major to make sure the college or department of the major allows the recognition of the minor.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. Courses taken as part of a university minor may not count toward both the major degree and the minor. Students pursuing a B.S. in tourism development and management are not eligible to complete this minor.

Contact Information:

Public Programs, College of
College of Public Programs
<http://scrd.asu.edu>
UCENT 550
scrd@asu.edu
602-496-0550

Theatre Minor (FATHEMIN)

Campus: TEMPE

Description: Students pursuing the theatre minor will study the literatures, histories and basic production practices of theatre while having opportunities to concentrate in an area such as:

- Design and production.
- Directing and performance.
- New work development.
- Theatre and performance studies.
- Theatre for youth.

Program Requirements: The school offers a minor in theatre consisting of 22 credit hours of course work (nine credit hours must be upper division). A grade of "C" (2.00) or higher is required for all courses in the minor. All prerequisites for the minor courses must be met (see course listings). Transfer students may transfer up to nine credit hours toward the minor.

The following courses are required, for a total of 13 credit hours:

FMP 201 Film: The Creative Process I, HU (3)*

THE 100 Introduction to Theatre, HU (3)

THE 322 Theatre History and Culture, HU, H (3)

THP 101 Acting: An Introduction (3)

THP 201 Theatre Production Crew (1)

Also required are nine credit hours of upper-division course work related to theatre. Choose from courses with the FMP, THE or THP prefix. Contact the school for options and course requirements.

* Students considering a minor in film concurrently must complete an additional course in theatre or film to make up for the overlapping FMP 201 course (and THP 101, if taken for the Filmmaking Practices concentration).

Courses ordinarily limited to majors only are available to minors on a second-priority basis; that is, minors may not register for these courses early, but are allowed to register after all majors' needs have been met.

Enrollment Requirements: Students in most majors may pursue one or more minors and, upon successful completion of the prescribed course work, have that accomplishment officially recognized on the ASU transcript at graduation if, 1) the college and/or department of the minor officially certifies, through established verification procedures, that all requirements for the minor have been met, and 2) the college (and, in certain colleges, the department) of the student's major allows the official recognition of the minor.

A student wishing to pursue a specific minor should consult an academic advisor in the unit offering that minor to ensure that an appropriate set of courses is taken. The student should also consult an academic advisor in the college or department of the major to make sure the college or department of the major allows the recognition of the minor.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. Inappropriate combinations include (but are not limited to) ones in which an excessive number of courses in the minor are simultaneously being used to fulfill requirements of the student's major.

Contact Information:

Design & the Arts, Herberger Institute for

School of Theatre and Film

<http://theatrefilm.asu.edu>

GHALL 232

herbergeradvising@asu.edu

480-965-5337

Tourism Development and Management Minor (PPTDMMIN)

Campus: DTPHX

Description: The minor in tourism development and management provides students with the planning and development skills needed to enter the largest industry in the world. Exposure to the businesses of sustainable tourism, heritage tourism and meeting and convention planning will begin to prepare students for successful careers in the fast-growing travel and tourism industry. According to the World Tourism Organization and the World Travel and Tourism Council, the travel and tourism industry is the largest industry and employer in the world. It is the third largest industry in the United States and ranks as the second largest industry in Arizona.

The minor allows students enrolled in other undergraduate programs at ASU to broaden their educational experiences. Students from such various disciplines as business, communication and many others find this program a beneficial supplement to their existing program. Having completed the minor in tourism development and management, a student may also complete a certificate in convention sales and meeting planning. For more information, access the school's website. Students may also choose to participate in a study abroad program.

Program Requirements: The tourism development and management minor requires 15 credit hours, six credit hours of required courses and nine credit hours of elective courses.

Required core courses (6)

TDM 205 Introduction to Travel and Tourism, G (3)

TDM 480 Sustainable Tourism (3)

Choose three elective courses from the following (9)

PRM 486 Special Event Management (3)
TDM 325 Tourism Accommodations (3)
TDM 345 Meeting and Convention Planning (3)
TDM 350 Tourism Marketing (3)
TDM 386 Convention Sales and Planning
TDM 394/494 Special Topics (3)
TDM 415 Tourism Transportation Systems (3)
TDM 448 Heritage and Cultural Tourism (3)
TDM 458 International Tourism, G (3)
Standards

- Fifteen hours of graded classroom coursework (no internship, no independent study).
- A minimum "C" (2.00) grade required for all classes in the minor.
- A minimum GPA of 2.00 for those pursuing the minor, a major or pre-major, other than tourism development and management.
- Must be a junior to take 400-level courses.
- No double counting of courses for a major and the minor.

Enrollment Requirements: Students in most majors may pursue one or more minors and, upon successful completion of the prescribed course work, have that accomplishment officially recognized on the ASU transcript at graduation if the college (and, in certain colleges, the department) of the student's major allows the official recognition of the minor. Students wishing to pursue the tourism development and management should consult an academic advisor in the college or department of the major to make sure the college or department of the major allows the recognition of the minor.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. Courses taken as part of a university minor may not count toward both the major degree and the minor. Students pursuing a B.S. in tourism development and management are not eligible to complete this minor.

Contact Information:

Public Programs, College of
College of Public Programs
<http://scrd.asu.edu>
UCENT 550
scrd@asu.edu
602-496-0550

Transborder Chicana/o and Latina/o Studies Minor (LATCLMIN)

Campus: TEMPE

Description: The School of Transborder Studies offers an interdisciplinary degree program with a central mission of providing a value-added environment that increases the direct participation of Chicana/o and Latina/o populations in the formation of human and capital development. The program offers students a fundamental understanding of the many dimensions of transnational and transborder processes. These include giving students the knowledge necessary to understand the manner in which Chicana/o, Mexican and Latina/o populations are influenced by, and also negotiate in, political, social, cultural and linguistic borders of multiple sorts.

An equally important dimension is the preparation of students to effectively function in transnational and transborder contexts and processes. Graduates will be able to traverse political borders because capital expansion is practically unlimited in time and space. Students gain skill at developing literary, policy and applied projects that benefit their communities and regions. The department's intellectual mission embraces material, cultural and applied approaches to the study of transborder and transnational phenomena.

Program Requirements: The transborder Chicana/o and Latina/o studies minor requires 18 credit hours of TCL course work.

Core Requirements

TCL 201 Transborder Society and Culture of Mexican Origin and Latina/o Populations I or TCL 202 Transborder Society and Culture of Mexican Origin and Latina/o Populations II

TCL 332 Mexican American History Since 1900

Students must take the remaining 12 credit hours in upper-division TCL courses in concentrations of their choice.

Enrollment Requirements: Students who wish to pursue a minor in Transborder Chicana/o and Latina/o studies may do so with the School of Transborder Studies. An ASU student who is pursuing a degree at any ASU campus may elect to add a minor offered at any other ASU campus. Please contact the school for more information.

Contact Information:

Liberal Arts & Sciences, College of
School of Transborder Studies
<http://sts.asu.edu/>

INTDSB 165
sts.info@asu.edu
480-965-5091

Urban Planning Minor (ARPUPMIN)

Campus: TEMPE

Description: The planning minor introduces students to the field of urban planning. Students can select courses that include:

- Administration.
- Comprehensive planning.
- Computer and analytical methods.
- Planning law.
- Public-policy formulation.
- Site planning.
- Socioeconomic and environmental analysis.
- Urban design.

Many students continue to specialize in planning at the graduate level. Students in planning are exposed to the theories, methods and practices of the profession.

Program Requirements: A minimum of 18 credit hours are required for the minor, 12 of which must be from 300 or 400 level courses.

Required Course: PUP 301 Introduction to Urban Planning, L (3).

The remaining 15 credit hours (nine of which must be from 300- or 400- level courses) must be chosen from the following courses:

- PUP 190 Sustainable Cities, HU/SB, G (3)
- PUP 200 Cities in Cinema, HU, H, G (3)
- PUP 363 History of Planning (3)
- PUP 410 Public Participation in Planning (3)
- PUP 412 History of the City, L/HU & H (3)
- PUP 420 Theory of Urban Design, HU (3)
- PUP 425 Urban Housing Analysis (3)
- PUP 430 Transportation Planning and the Environment (3)
- PUP 432 Planning and Development Control Law (3)
- PUP 433 Zoning Ordinances, Subdivision Regulations, and Building Codes (3)
- PUP 434 Urban Land Economics (3)
- PUP 436 City Structure and Planning (3)
- PUP 442 Environmental Planning (3)
- PUP 444 Preservation Planning (3)
- PUP 445 Women and Environments, C (3)
- PUP 452 Ethics and Theory in Planning, L (3)
- PUP 465 Sustainable Urbanism (3)
- PUP 475 Environmental Impact Assessment (3)
- PUP 484 Internship (3)
- PUP 485 International Field Studies in Planning, G (3)
- PUP 494 Special Topics

The minor is open to students of all majors.

Enrollment Requirements: Students in most majors may pursue one or more minors and, upon successful completion of the prescribed course work, have that accomplishment officially recognized on the ASU transcript at graduation if 1) the college, school and/or department of the minor officially certifies, through established verification procedures, that all requirements for the minor have been met, and 2) the college (and, in certain colleges, the department) of the student's major allows the official recognition of the minor.

A student wishing to pursue a specific minor should consult an academic advisor in the unit offering that minor to ensure that an appropriate set of courses is taken. The student should also consult with an academic advisor in the college, school or department of his or her major to make sure the college or department of the major allows the recognition of the minor.

Note: Certain major and minor combinations may be deemed inappropriate either by the college, school or department of the major or minor. Inappropriate combinations include (but are not limited to) ones in which an excessive number of courses in the minor are simultaneously being used to fulfill requirements of the student's major. Please contact the school for more information: <http://geoplan.asu.edu/undergraduate-studies>.

Contact Information:

Liberal Arts & Sciences, College of
School of Geographical Sciences and Urban Planning
<http://geoplan.asu.edu/>
COOR 5673
geoplan@asu.edu

Urban and Metropolitan Studies Minor (PPURBMIN)

Campus: DTPHX

Description: The minor in urban and metropolitan studies offers students interested in the urban environment the opportunity to explore the wide variety of issues that influence the quality of life in urban communities. Students are encouraged to learn about cities as historical, social, cultural, economic and political phenomena in order to gain a strong understanding of the complex relationships that contribute to the problems and opportunities of urban living. As the population in the state's urban areas continues to grow, so will the demand for leaders who are skilled in new and innovative ways with which to address the challenges such growth generates. The program allows students enrolled in other undergraduate programs at ASU to broaden their educational experiences. Students from such various disciplines as planning, business, political science, nonprofit management and leadership, communication, social work, geography and many others might find this program a beneficial supplement to their existing program.

Program Requirements:

- Twelve hours of residence credit at ASU.
- Fifteen hours of course work with a "C" (2.00 on a scale of 4.00) or better in each course.
- Nine hours of upper-division course work from the approved list.

Eligibility to pursue the minor requires a major or pre-major other than urban and metropolitan studies.

Required Courses

URB 300 Urban and Metropolitan Studies (3)

URB 305 Urban Governance (3)

Core Courses (choose two of the following):

URB 220 Introduction to Urban America (3)

URB 240 Urban Policy (3)

URB 301 Urban Research (3)

URB 302 Urban Theory (3)

URB 410 Urban Leadership and Collaborative Skills (3)

Urban Electives (select a combination of the following)

Related Urban Topics and other approved courses (see below) (3)

Students will be able to choose from a variety of related urban topics classes offered by the School of Public Affairs. Possible topics include:

- Community-building and development.
- Comparative urbanism.
- Computer applications.
- Leadership and change.
- Leadership and communication.
- Policy analysis and evaluation.
- Political economy.
- Poverty and social welfare policy.
- Regionalism.
- Urban economics.

In addition, students can choose related courses offered by the School of Public Affairs or other departments.

Enrollment Requirements: Students in most majors may pursue one or more minors and, upon successful completion of the prescribed course work, have that accomplishment officially recognized on the ASU transcript at graduation if 1) the college and/or department of the minor officially certifies, through established verification procedures, that all requirements for the minor have been met, and 2) the college (and, in certain colleges, the department) of the student's major allows the official recognition of the minor.

Students wishing to pursue a specific minor should consult an academic advisor in the unit offering that minor to ensure an appropriate set of courses is taken. Students should also consult an academic advisor in the college or department of the major to make sure the college or department of the major allows the recognition of the minor.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. Inappropriate combinations include (but are not limited to) ones in which an excessive number of courses in the minor are simultaneously being used to fulfill requirements of the major. Please contact the department for more information.

Contact Information:

Public Programs, College of

College of Public Programs

<https://spa.asu.edu/programs/undergraduate/ums/minor>

UCENT 400

spa@asu.edu
602-496-0450

Wellness Foundations Minor (ECEXWMIN)

Campus: DTPHX

Description: The exercise and wellness program offers this minor program to any ASU student interested in learning about health and wellness. Students will develop a greater understanding of wellness behaviors, healthy lifestyles and disease prevention.

Program Requirements: The minor in wellness foundations consists of 18 credit hours. The minor requires that students complete the following courses with a grade of "C" (2.00 on a scale of 4.00) or higher:

EXW 100 Introduction to Health and Wellness (3)

EXW 300 Foundations of Exercise and Wellness (3)

EXW 325 Fitness for Life (3)

EXW 342 Health Behavior Change (3)

EXW 450 Cultural and Social Issues in Exercise and Wellness (3)

EXW elective: Three credit hours must be selected from the approved list of electives

Enrollment Requirements: Students in most majors may pursue one or more minors and, upon successful completion of the prescribed course work, have that accomplishment officially recognized on the ASU transcript at graduation if 1) the college and/or department of the minor officially certifies, through established verification procedures, that all requirements for the minor have been met, and 2) the college (and, in certain colleges, the department) of the student's major allows the official recognition of the minor.

A student wishing to pursue a specific minor should consult an academic advisor in the unit offering that minor to ensure that an appropriate set of courses is taken. The student should also consult an academic advisor in the college or department of the major to make sure the college or department of the major allows the recognition of the minor.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. Inappropriate combinations include (but are not limited to) ones in which an excessive number of courses in the minor are simultaneously being used to fulfill requirements of the student's major. Please contact the department for more information.

Contact Information:

Health Solutions, College of
School of Nutrition and Health Promotion
<http://healthpromotion.asu.edu>
MERC C250
healthpromotion@asu.edu
602-496-0888

Women and Gender Studies Minor (ASWSTMIN)

Campus: WEST

Description: The minor in women and gender studies, within the New College of Interdisciplinary Arts and Sciences, is an interdisciplinary program emphasizing intersectional approaches to the study of gender, race, class, ethnicity and sexuality in national and transnational contexts.

Program Requirements: The women and gender studies minor consists of 18 credit hours of course work, of which 15 credit hours must be upper division (300 or 400 level).

Core requirements (9 credit hours):

WST 100 Women, Gender and Society, SB, C (3) or WST 300 Women and Gender in Contemporary Society, SB, C (3)

WST 380 Race, Gender, and Class, SB, C (3)

WST 498 PS: Theory and Methods in Women and Gender Studies, L (3)

WST elective course work (9 credit hours)

Enrollment Requirements: Students wishing to pursue the women and gender studies minor should consult an academic advisor in the unit offering that minor to ensure the appropriate set of courses is taken. The student should also consult an academic advisor in the college, division or department of his or her major to make sure the minor is recognized and to have the minor added to the program of study.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. Please contact the division for more information. The Academic Affairs Manual (ACD 305-12) regulates undergraduate academic minors and expressly forbids double counting of courses between majors and minors

Contact Information:

Interdisciplinary Arts & Sciences, New College of
School of Humanities, Arts, and Cultural Studies

<http://newcollege.asu.edu/harcs/degrees/minors/womenstudies>

FAB N201

harcs.dept@asu.edu

602-543-4444

Women and Gender Studies Minor (LAWSTMIN)

Campus: ONLNE, TEMPE

Description: The minor in women and gender studies provides students with an intensive interdisciplinary liberal arts education that enables them to write well, think critically and analyze problems effectively. Students take a variety of courses, including a capstone seminar requiring original research and writing plus an internship that helps them prepare for life after college. Original undergraduate research is encouraged, and some courses involve students studying community problems and formulating policy solutions.

Program Requirements: The women and gender studies minor consists of 18 credit hours, 12 of which must be upper division.

Students take one of the following courses (3 credit hours):

WST 100 Women and Society, SB, C (3) OR WST 300 Women in Contemporary Society, SB, C (3)

Students choose one from the following courses (3 credit hours):

WST 377 History of American Feminist Thought, C (3)

WST 378 Global Feminist Theory, L, C, G (3)

WST 380 Gender, Race and Class, SB, C (3)

Twelve additional credit hours of women and gender studies electives must be taken and can be selected from any WST prefix course.

- A minimum "C" grade or higher is required.
- At least 12 of the 18 hours must be upper division.

Enrollment Requirements: Students in most majors may pursue one or more minors and, upon successful completion of the prescribed course work, have that accomplishment officially recognized on the ASU transcript at graduation if, 1) the college and/or department of the minor officially certifies, through established verification procedures, that all requirements for the minor have been met, and 2) the college (and, in certain colleges, the department) of the student's major allows the official recognition of the minor.

A student wishing to pursue a specific minor should consult an academic advisor in the unit offering that minor to ensure that an appropriate set of courses is taken. The student should also consult an academic advisor in the college or department of the major to make sure the college or department of the major allows the recognition of the minor.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. Inappropriate combinations include (but are not limited to) ones in which an excessive number of courses in the minor are simultaneously being used to fulfill requirements of the student's major.

Attend Online: ASU offers this program in a fully online format-no face-to-face sessions required. We offer six enrollment sessions throughout the year, and you learn in accelerated, 7.5-week classes.

Contact Information:

Liberal Arts & Sciences, College of

School of Social Transformation

<http://wgs.asu.edu/>

WILSN 125

wgs.asutempe@asu.edu

480-965-7682

Youth Services Leadership Minor (HSYSLMIN)

Campus: DTPHX

Description: The minor in youth services leadership is designed to explore the area of youth leadership from the perspective of those who work face-to-face with youth in a variety of settings. The minor allows students enrolled in a variety of undergraduate programs at ASU to broaden their knowledge of youth services. Students from programs such as education, nursing, social work, criminal justice and others may find this program a beneficial supplement to their existing program.

Program Requirements: The minor requires 15 credit hours, nine credit hours of required courses and six credit hours of elective courses.

Required Core Courses (9)

PRM 394 ST: Recreation and Leisure Services for Youth Development (3)

PRM 454 Human Services for At-Risk Youth (3)

PRM 303 Program Planning (3)

Choose two elective courses from the following (6)

CRJ 204 Juvenile Justice

CRJ 462 Gangs

NLM 220 Introduction to Nonprofit Organizations (3)

NLM 310 Volunteer Management (3)

PRM 302 Inclusive Communities (3)

PRM/NLM 451 Grant Writing (3)

PRM 364 Foundations of Therapeutic Recreation

PRM 484 Senior Internship for Non-majors (3)

PRM 486 Special Events Management (3)

Standards

- Fifteen hours of graded classroom coursework (no internship, no independent study).
- A minimum "C" (2.00) grade required for all classes in the minor.
- A minimum GPA of 2.00 for those pursuing the minor, a major or pre-major, other than tourism development and management.
- Must be a junior to take 400-level courses.
- No double counting of courses for a major and the minor.

Enrollment Requirements: Students in most majors may pursue one or more minors and, upon successful completion of the prescribed course work, have that accomplishment officially recognized on the ASU transcript at graduation if the college (and, in certain colleges, the department) of the student's major allows the official recognition of the minor.

Students wishing to pursue the youth services leadership minor should consult an academic advisor in the college or department of the major to make sure the college or department of the major allows the recognition of the minor.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. Courses taken as part of a university minor may not count toward both the major degree and the minor.

Contact Information:

Public Programs, College of

School of Community Resources and Development

<http://scrd.asu.edu/>

UCENT 550

scrd@asu.edu

602-496-0550

Undergraduate Programs

Undergraduate Certificates (Program Descriptions and Requirements)

African and African American Studies Certificate (LAAFRCERT)

Campus: TEMPE

Description: The African and African American Studies Program offers an interdisciplinary examination of the many ways in which African and African-descended peoples have created robust lives for themselves and, in turn, contributed to the creation of the modern world. The program's mission is advanced by its core undergraduate curriculum that examines the culture, arts, history, politics, economics and current status of African Americans, Africans and the African Diaspora everywhere, especially in the Caribbean, Central America and South America. The curriculum combines a research-based understanding of the humanities, social and behavioral sciences and the arts with practical applications (internships, community/civic engagement and research projects) to prepare students for lifelong learning, advanced study in a variety of fields, and successful careers and productive public service in an increasingly diverse society, especially in Arizona.

Program Requirements: Students will be required to complete 24 credit hours. Six credits will be a prescribed core and the remaining 18 elective hours will be selected from any of the AAAS prefixes (AFH, AFR, AFS).

Required Core Course: AFS 200 Introduction to Africa and African Diaspora Studies (3)

Elective Core Course: choose one of the following four courses.

AFH 300 Precolonial Africa (3)

AFH 305 Global History of the Trans-Atlantic Slave Trade (3)

AFS 301 Race and Racism in Africa/African Diaspora (3)

AFS 302 History of Black Women (3)

Elective courses

The remaining 18 credit hours will be completed by selecting courses not taken to fulfill the six core credit hours and will be selected from any of the unit prefixes (AFH, AFR, AFS). At least 18 of the 24 credit hours must be upper division courses (300 or higher). All courses must have a "C" (2.00) grade or higher. No course may be used to satisfy more than one requirement in the undergraduate certificate.

Enrollment Requirements: Students admitted to study at Arizona State University are eligible to pursue the requirements of a certificate. In order to be admitted to the university, complete the Office of Admission online application. Please contact the unit for additional information.

Contact Information:

Liberal Arts & Sciences, College of

School of Social Transformation

<http://aaas.clas.asu.edu/>

WILSN 125

afamstu@asu.edu

480-965-7682

Arabic Studies Certificate (LAARBCERT)

Campus: TEMPE

Description: The certificate in Arabic studies provides students with skills that will enable and qualify them to communicate effectively in Arabic in the four areas of language acquisition:

- Listening.
- Reading.
- Speaking.
- Writing.

Simultaneously, students gain a broad knowledge and understanding of the culture, literature and traditions of the vast Arabic-speaking world. The certificate provides critically needed educational and cultural diversity that will enrich students' undergraduate experience and prepare them for life as employees and employers.

Graduate students in the liberal arts, social sciences and humanities seeking academic or professional careers in any of the three disciplines or thematic concentrations are also expected to be attracted to this certificate because of the added advantage the program gives them in the job market given the demonstrably high need for graduates with Arabic knowledge.

Program Requirements: ASU students admitted to a degree program in any field of study would be eligible for the Arabic studies certificate program. In addition to the course work and examinations required in the major field of interest, students are responsible for fulfilling the minimum requirement of 18 hours (at least 12 upper-division) to earn the Arabic studies certificate. These hours can be chosen in consultation with the certificate coordinator. A minimum grade of "C" (2.00) or higher is required in each course.

Enrollment Requirements: Students must first be accepted into an appropriate degree program at ASU and will then apply directly to the director of the Arabic studies certificate in the School of International Letters and Cultures for admission into the certificate program.

The application will consist of:

- Name.
- Address.
- Phone number.
- Email address.
- Student ID number.
- Major.
- Year in college.
- Anticipated graduation date.
- Name of their major academic advisor.

Please contact the department for more information.

Contact Information:

Liberal Arts & Sciences, College of
School of International Letters and Cultures
<http://silc.asu.edu/undergraduate/certificates>
LL 440
silc@asu.edu
480-965-6281

Asian Pacific American Studies Certificate (LAAPACERT)

Campus: TEMPE

Description: Asian Pacific American studies is an interdisciplinary undergraduate curriculum in the School of Social Transformation that addresses the historical and contemporary experiences of Asian Americans and Pacific Islanders, what they have contributed to our society, and the complexity of racial formations in the U.S.

The curriculum is designed to help students of all ethnicities:

- Develop clear written arguments and present their perspectives effectively.
- To learn about Asian American and Pacific Islander experiences and communities in Arizona, nationally, and within a larger global context.
- To prepare students to participate in an increasingly diverse and global U.S. society.
- To think critically.

The certificate program provides students with opportunities to think critically about interethnic cooperation and conflict in the formation of social institutions and communities. The certificate program also encourages students to learn about local Asian American and Pacific Islander communities and organizations through research, courses and community internships.

Program Requirements: Students will be required to complete 18 credit hours for the certificate. Nine hours will be a prescribed core and the remaining nine elective hours will be selected from any of the courses with an APAS prefix.

Required Core Courses (9)

APA 200 Introduction to Asian Pacific American Studies, HU/SB, C (3)

APA 360 Asian Pacific American Experience, HU/SB, C (3)

APA 484 Internship (3)

Elective Courses (9)

The remaining nine credit hours will be completed by selecting courses not taken to fulfill the nine required hours and will be selected from any APA course.

Examples of APA course options include but are not limited to:

APA 210 Introduction to Ethnic Studies in the U.S.

APA 310 Asian Pacific American Arts and Culture

APA 315 Asian Pacific American Literature

APA 330 Asian Pacific American Genders and Sexualities

APA 340 Asian Pacific Americans and Media

APA 345 Asian Pacific Americans and Film

APA 360 Asian Pacific American Experience

Note: One APA 360 course is required for the core; the other sections may be repeated for credit with different topics.

- Asian American psychology
- The Chinese American experience
- The Filipina/o American experience

- The Japanese American experience
- The Korean American experience
- The Multi-Racial experience
- The Pacific Islander experience
- The South Asian experience
- The Southeast Asian experience

APA 394 Special Topics (may be repeated for credit with a different topic)

APA 450 Asian Pacific American Contemporary Issues

APA 484 Asian Pacific American Community Internship

APA 494 Special Topics (may be repeated for credit with a different topic)

APA 499 Individualized Instruction (1-3 credits; may be repeated for credit)

Other Requirements and Restrictions

- At least 12 of the 18 credit hours must be upper-division courses (300 or higher).
- All courses for the certificate must have a "C" (2.00) grade or higher.
- A minimum on nine credit hours must be taken in residency at ASU.
- No course may be used to satisfy more than one requirement in the certificate.

Enrollment Requirements: Students admitted to study at Arizona State University are eligible to pursue the requirements of a certificate. In order to be admitted to the university, complete the Office of Admission online application. Please contact the unit for additional information.

Contact Information:

Liberal Arts & Sciences, College of

School of Social Transformation

<http://apas.clas.asu.edu/>

WILSN 125

apas@asu.edu

480-965-7682

Asian Studies Certificate (LAASNCERT)

Campus: TEMPE

Description: The Asian studies certificate is offered through the Center for Asian Research. It supplements a bachelor's, demonstrating knowledge of an Asian language as well as general knowledge of Asian history, art, culture and society. The certificate provides students with official transcript recognition of specialization in Asian Studies related to their major area of study. An earned certificate will appear on student transcripts as an Asian study emphasis.

Program Requirements: The certificate curriculum includes 24 credit hours of course work:

- Fifteen credit hours of upper-division area studies course work in at least three disciplines outside of languages and literature courses (such as anthropology, art, geography, history, political science and religious studies).
- Nine additional credit hours may be some combination of lower- and/or upper-division courses.
- Six hours may be satisfied with language and literature courses limited to 321 and above.

In addition, certificate students must demonstrate proficiency in an Asian language at the intermediate level. The language requirement can be satisfied by completing the 201 and 202 sequence, one year of study abroad at the intermediate level, or satisfactory placement on a proficiency exam. Asian languages include:

- Chinese.
- Hindu/Urdu.
- Indonesian.
- Japanese.
- Korean.
- Thai.
- Vietnamese.

Students pursuing an Asian studies certificate may apply courses in East, South and/or Southeast Asia to meet the certificate requirements. A minimum grade of "C" (2.00) is required for each course that is used to fulfill the certificate requirements.

Enrollment Requirements: There are no specific admission requirements other than a student's desire to learn about Asia. Please contact the department for more information and see http://www.asu.edu/clas/asian/certificate_undergrad.html

(http://www.asu.edu/clas/asian/certificate_undergrad.html). All advising for the certificate is done through the advising office in the School for International Letters and Cultures. Please contact silcadvising@asu.edu (<mailto:silcadvising@asu.edu>) to schedule an appointment with an advisor. For U.S. Department of Education Gainful Employment Program Disclosure information, see http://catalog.asu.edu/files/shared/GE_Disclosure_LAASNCERT.pdf (http://catalog.asu.edu/files/shared/GE_Disclosure_LAASNCERT.pdf).

Contact Information:

Liberal Arts & Sciences, College of
Dean, College of Liberal Arts and Sciences
<http://www.asu.edu/clas/asian/>
COOR, 6th flr. east wing
car@asu.edu
480-965-7184

Child Life Certificate (LACHLFCERT)

Campus: DTPHX, TEMPE

Description: Child life specialists are experts in child development who promote effective coping among children who face challenges related to health care and hospitalization. This cross-disciplinary program offered through the School of Community Resources and Development and the School of Social and Family Dynamics is designed to assist students to prepare for the national qualifying child life exam. A portion of the national certification exam eligibility requirements, as outlined by the Child Life Council, are met by obtaining this certificate.

Program Requirements: The certificate requires a total of 21 credit hours. Courses taken as part of a university major may count towards both that degree and the certificate. To earn the certificate, students must complete all course work in the certificate with a minimum grade of "B" (3.00) or better.

An application to the program is required.

Required courses (21)

CDE 337 Early Childhood Intervention (3)
CDE 450 Child Dysfunction in the Family (3)
PRM 364 Foundation in Therapeutic Recreation (3)
PRM 384 Child Life Practicum (3)
PRM 406 Program Design and Evaluation (3)
PRM 455 Play in Child Life (3)
PRM 460 Assessment and Documentation (3)

Standards

- A minimum "B" (3.00) grade required for all classes in the certificate.
- A minimum GPA of 3.00 for those pursuing the certificate.
- Eighteen hours of graded classroom course work (no internship, no independent study).
- Must be a junior to take 400-level courses.

Enrollment Requirements:

- A minimum cumulative GPA of 3.00 is required to enroll in the certificate.
- Students wishing to pursue the child life certificate must complete two prerequisites before applying for the program: CDE 232 Human Development (3) with a grade of "B" (3.00) or higher; CDE 338 Child Development Practicum (or comparable experience working with children, as determined by certificate directors of admission).
- For additional information and application, students should consult with an academic advisor in either the School of Community Resources and Development or the School of Social and Family Dynamics.

Contact Information:

Liberal Arts & Sciences, College of
School of Social and Family Dynamics
<http://ssfd.clas.asu.edu/>
SS 144
email@ssfd.info
480-965-6978

Child Nutrition Certificate (ECNTRCERC)

Campus: DTPHX, POLY

Description: This certificate program is directed toward current degree-seeking students, postbaccalaureate students and nondegree-seeking students who are interested in eligibility for the school nutrition specialist credential offered by the School Nutrition Association.

Program Requirements: The certificate requires that students take the following courses, for a total of 31 credit hours:

BUA 381 Small Business Accounting and Finance (3)
EXW 100 or 325 Intro to Health and Wellness or Fitness for Life (3)
NTR 142 Applied Food Principles (3)
NTR 343 Food Service Purchasing (3)
NTR 344 Nutrition Services Management (3)
NTR 345 Development of Healthy Cuisines (3)
NTR 401 Field Experience (3)
NTR 445 Management of Food Service Systems (3)
NTR 448 Community Nutrition (3)
NTR 450 Nutrition in the Lifecycle I (3)
NTR 498 Seminar in Child Nutrition Programs (1)

Enrollment Requirements: To enroll in the certificate program, the applicant must be admitted to ASU as a degree-seeking or nondegree-seeking student in the nutrition program. The curriculum committee of the nutrition program will approve applications to the certificate program.

Contact Information:

Health Solutions, College of
School of Nutrition and Health Promotion
<http://healthpromotion.asu.edu>
MERC C250
healthpromotion@asu.edu
602-496-0888

Civic Education Certificate (LACVECERT)

Campus: TEMPE

Description: The civic education certificate is designed to contribute to the preparation of undergraduate students for:

- Careers in primary and secondary education (where the teaching of government and civics may be involved).
- Careers or voluntary participation in politics, public service, civic and social movements.
- Further education in law, journalism, business, history, sociology, political science and other fields where an understanding of questions of citizenship, leadership, community, democracy, public responsibility and ethics is crucial.

Program Requirements: The certificate does not substitute for degree requirements in any subject, including political science; rather, as a complement to the student's chosen major, the certificate program is intended to guide students to a variety of courses whose successful completion indicates their special accomplishment in the area of civic education. Students majoring in any subject at the university may be awarded the civic education certificate upon completion of the following 15 credit hours of political science courses:

POS 210 Political Ideologies, SB (3)
POS 346 Problems of Democracy, HU (3)
POS 442 American Political Thought, HU (3)
Choose one from the courses below:
POS 340 History of Political Philosophy I, HU, H (3)
POS 341 History of Political Philosophy II, HU, H (3)
POS 443 Topics in Contemporary Political Theory, HU (3)
Choose one from the courses below:
POS 110 Government and Politics, SB (3)
POS 150 Comparative Government, SB, G (3)
POS 160 Global Politics, SB, G (3)
POS 270 American Legal System, SB (3)
POS 300 Contemporary Controversies in Global Politics, SB, G (3)
POS 313 The Congress, SB (3)
POS 314 The American Presidency, SB (3)
POS 315 The Supreme Court, SB (3)
POS 330 Contemporary Controversies in Domestic Politics, SB (3)
POS 332 American Political Parties, SB (3)
POS 333 Interest Groups, SB (3)
POS 370 Law and Society, SB (3)
POS 417 The Arizona Political System, SB (3)
POS 435 Women and Politics, SB, C (3)

POS 439 Minority Group Politics in America, SB, C (3)

Certificate students must have a minimum GPA of "C" (2.00); only courses in which students have a grade of "C" (2.00) or higher count toward the certificate. A minimum of six upper-division credit hours must be taken in residence at the Tempe campus.

Enrollment Requirements: Any student admitted to study at ASU may complete a certificate. To apply to the university, please complete the Office of Admissions online application. Please contact the School Politics and Global Studies for more information.

Contact Information:

Liberal Arts & Sciences, College of
School of Politics and Global Studies
<http://pgs.clas.asu.edu/>
COOR 6797
spgs@asu.edu
480-965-6551

Classical Studies Certificate (LACLGERT)

Campus: TEMPE

Description: The classical studies program offers students a wide variety of opportunities to study the language, literature and culture of the ancient Greeks and Romans. The School of International Cultures and Letters offer a certificate in classical studies for those students interested in pursuing a classical education in conjunction with another major or as part of their general studies.

Program Requirements: Students admitted to undergraduate degree programs in any field are eligible for the classical studies certificate program. In addition to the course work and examinations required in the student's major, the student is responsible for fulfilling the following minimum requirements:

- Five semesters of ancient Greek (17 credit hours; GRK 301 and 302 may be repeated for credit) or Latin language and literature instruction (19 credit hours).
- Four semesters in courses related to classical studies, to be approved by coordinator of the certificate (12 credit hours).
- Two of these courses must be above the 300 level (6 credit hours).

A minimum grade of "C" (2.00) is required in each course leading to the certificate. A minimum of 12 credit hours must be upper division. A minimum of six credit hours must be taken at ASU.

Enrollment Requirements: Students interested in the classical studies certificate program need to contact the coordinator of the certificate before being accepted into the program. Please contact the department for more information.

Contact Information:

Liberal Arts & Sciences, College of
School of International Letters and Cultures
<http://silc.asu.edu/undergraduate/certificates>
LL 440
silc@asu.edu
480-965-6281

Computer Gaming Certificate (ESSICERT)

Campus: TEMPE

Description: The computer gaming certificate is designed to provide a game development skill set that the student can apply to domain specific applications in the student's major. The skill set includes:

- Architecture of game engines.
- Art design and computer graphics for gaming.
- Game software development.

In this certificate program, students will learn to apply gaming technology to the rapidly growing video game industry and to business, medicine, geography, biotechnology and education. Examples of projects include:

- Building a game that teaches linear algebra by incorporating trigonometric rules into the game design.
- Creating a game that teaches correct sentence construction to early English learners.
- Creating an interactive virtual world for corporate training.
- Designing a game platform incorporating geographic information systems.
- Inventing a surgical simulation to educate medical students.

- Creating a game to help patients with physical therapy.

Program Requirements: Students will complete nine credit hours of core courses, including a final capstone project and nine credit hours of track courses.

Core Courses

- CPI 111 Game Development I
- CPI 211 Game Development II
- CPI 441 Gaming Capstone

Track Courses (choose three courses)

- CIS 394 Project Management
- CPI 311 Game Engine Development
- CPI 321 Fundamentals of Game Art
- CPI 411 Graphics for Games
- CPI 412 Cognitive Systems and Intelligent Agents
- CPI 421 Modeling and Texturing
- CPI 422 3D Animation and Rigging
- DCI 451 Design Research and Educational Gaming
- EDT 329 Games, Simulations and Virtual Environments
- RDG 440 Computer Gaming Learning and Literacy

Programming courses focus on how game engines work and writing software. Art courses teach the visual aspects of game design. In education courses, students will apply game design skills to achieve educational goals.

Enrollment Requirements: The computer gaming certificate is open to any student admitted to an undergraduate degree program at ASU and in good academic standing. This certificate can also be used by B.I.S. students as part of their degree program.

All students are eligible to take CPI 111. Students who want to continue in the certificate classes must be approved to enroll in the computer gaming certificate by completing the Undergraduate Certificate form from the registrar's website and submitting it to the School of Computing, Informatics, and Decision Systems Engineering (CIDSE) Academic Advising Center located in the Brickyard Building, room 208. B.I.S. students can contact their B.I.S. advisor to add the computer gaming concentration to their degree program.

Contact Information:

Engineering, Ira A. Fulton Schools of
 Computing and Informatics Program
<http://engineering.asu.edu/cidse>
 BYENG 208
cidse.advising@asu.edu
 480-965-3199

Convention Sales and Meeting Planning Certificate (PPTDMCERT)

Campus: DTPHX

Description: The U.S. meetings, conventions and exhibitions industry generates more than \$120 billion a year, supporting nearly two million jobs. Students can explore this exciting growth industry with the convention sales and meeting planning certificate. The demand for professionals is strong and we provide an excellent foundation for enhancing career opportunities nationally and regionally. Phoenix is a major convention and meeting destination.

The \$600 million investment in the Phoenix Convention Center expansion, new hotel and other visitor-related product development, as well as corporate headquarters that continue to relocate to the greater Phoenix area have created the need for qualified professionals to service conventions and meetings. The certificate, which has been endorsed by the Greater Phoenix Convention and Visitors Bureau and the Arizona Sunbelt Chapter of Meeting Professionals International, will enhance a graduate's career opportunities as a tourism professional.

Program Requirements: The certificate requires 15 credit hours, four required core courses (12) and one elective course (3). Courses taken as part of a university major may count toward that degree and the certificate. Requirements can be met online. All core classes and some elective classes are taught online at least once a year. To earn the certificate, students must complete all course work in the certificate with a minimum grade of "C" or better. An application to the program is required.

Required core courses (12)

- TDM 205 Introduction to Travel and Tourism, G (3)
- TDM 345 Meeting and Convention Planning (3), prerequisite: TDM 205, grade of "C" (2.00) or better
- TDM 350 Tourism Marketing (3), (prerequisites: must have completed REC 305 or TDM 205 with a grade of "C" (2.00 on a 4.00 scale) or higher or be currently enrolled; must have completed 45 hours)

TDM 386 Convention Management and Sales (3)

Choose one elective course (3)

PRM 486 Special Events Management (3)

TDM 325 Tourism Accommodations

TDM 458 International Tourism

Standards

- Fifteen hours of graded classroom coursework (no internship, no independent study).
- A minimum "C" (2.00) grade required for all classes in the certificate.
- A minimum GPA of 2.00 for those pursuing the certificate.
- Must be a junior to take 400-level courses.

Enrollment Requirements: Students wishing to pursue the convention sales and meeting planning certificate should consult an academic advisor in the School of Community Resources and Development. For additional information, please visit the college website.

Contact Information:

Public Programs, College of
School of Community Resources and Development
<http://scrd.asu.edu>
UCENT 550
scrd@asu.edu
602-496-0550

Creative City Certificate (PPURBCERC)

Campus: DTPHX

Description: The creative city certificate prepares students to engage effectively in revitalizing cities and communities by tapping their inherent potential for cultural innovation, place-making and social/economic entrepreneurship. Exploring best practices globally, students develop asset-based proposals for specific locales including implementation plans. The creative city certificate adds value to other majors as well as work/life experience for students aspiring to assume leadership roles in improving quality of life, specifically by enhancing quality of place.

Cities are centers of human creativity and cultural innovation. They both attract and breed these. Such creativity and innovation are apparent in the vitality of the arts, as well as that of businesses (large and small), research (basic and applied) and the everyday life unique to any given locale. These are the ingredients that make our places sustainable, economically, socially and environmentally, by endowing a "sense of place" along with a "sense of community."

This certificate also serves professionals in the community working in the areas of:

- Community development.
- Land-use law.
- Parks and recreation.
- Philanthropy.
- Planning.
- Public art.
- Urban governance and others.

Flexible class times and locations make the certificate a viable option for those unable to attend classes during the day.

Program Requirements: The five-course sequence comprising the certificate will enable students to build upon their own strengths in order to help cities and communities creatively build upon their capacities. The creative city certificate consists of a maximum of 15 credit hours of course work. All courses must be taken at ASU. Required courses and electives are shown below.

Required core courses

URB 405 Citizen Engagement and Community Building (3). Develops a conceptual, critical, and practical understanding of urban dwellers involvement in community affairs as citizens and as builders of vital neighborhoods and vibrant cities.

URB 406 Public Administration and Community Development (3). Examines critically the concepts "community" and "development" and considers how important forces such as diversity, civic life, changes in social space and globalization affect our understandings about these concepts and influence our actions.

Elective courses

- GRA 401 Creating Environments (3)
- NLM 160 Voluntary Action and Community Leadership (3)

- NLM 220 Introduction to Nonprofit Organizations (3)
- NLM 300 Fund Raising and Resource Development (3)
- NLM 402/TDM 402 Assessment and Evaluation of Community Services (3)
- PAF 420 Public Leadership (3)
- PAF 494/APA 450 Contemporary Issues--Civic Enterprise (3)
- PRD 302/NLM 302/TDM 302 Inclusive Community Development (3) [CRD majors only]
- PRM 120 Leisure and the Quality of Life (3)
- RM 301/NLM 301/TDM 301 Sustainable Communities (3)
- REC 210 Community Resources and Services (3)
- TDM 448 Heritage and Cultural Tourism (3)
- URB 220 Introduction to Urban America (3)

Enrollment Requirements: The creative city certificate is available to all admitted undergraduate students (regular or nondegree) at ASU. Nondegree students are required to apply to ASU (as a nondegree student) and once admitted, contact the School of Public Affairs to be admitted into the certificate program. Students may begin taking courses before they formally apply for the certificate; however, they should apply for admission as soon as possible.

Contact Information:

Public Programs, College of
 School of Public Affairs
https://spa.asu.edu/programs/undergraduate/creative_city
 UCENT 400
 spa@asu.edu
 602-496-0450

Digital Culture Certificate (HIDGCCERT)

Campus: TEMPE

Description: The digital culture certificate program in the Herberger Institute for Design and the Arts focuses on the creative exploration of how new media is influencing our culture, or rather, the way we live, learn, create and communicate. The digital culture certificate will allow students to enhance their program of study with integrated, interdisciplinary training in creative processes and technical skills in new media with cultural applications.

The digital culture curriculum is outcomes-based rather than course sequence-based. The curriculum uses an innovative proficiency-based network to connect courses across academic disciplines, instead of traditional methods such as course prerequisites. Proficiencies in the curriculum identify common generalized learning outcomes across disciplines participating in the initiative.

Program Requirements: The digital culture certificate requires 18 credit hours (12 upper division) in four areas:

- Digital Culture Studies (9)
- Media Arts and Design (3)
- Media Engineering (3)
- Capstone Culminating Project (3)

For a list of Digital Culture courses, please visit: <http://digitalculture.asu.edu/education/courses> (<http://digitalculture.asu.edu/education/courses>)

A minimum grade of a "C" (2.00) and an overall GPA of 3.00 is required in all classes in the certificate. Courses in the certificate may not be used as part of a major. All upper-division certificate course work must be taken at ASU.

Generous substitution rules allow for course flexibility. Students receiving the digital culture certificate can petition to substitute up to six credit hours. Three credit hours can come from any course related to digital culture and may be achieved through courses offered by any unit of ASU including the Polytechnic, Downtown, West (IAP), and the FMS program on the Tempe campus. Courses may include any on the list of related subjects/substitutions (below) or courses with comparable content.

The other three substitution hours can be achieved through one of the following two paths:

- The three-hour media arts and design course requirement may be substituted with a three-hour course in the digital culture related category.
- The three-hour media engineering requirement may be substituted with a three-hour course in the digital culture related category, or by a related upper-level engineering course offered by one of the collaborating units.

Enrollment Requirements: For current ASU students, there is no special application process for the digital culture certificate. Students add the certificate by meeting with the academic advisor for their major and the digital culture education coordinator to develop the digital culture pathway that best meets the proficiencies for the work they are interested in pursuing. This pathway will be contingent upon the student's academic performance in 100-level course work.

For students not currently enrolled at ASU, students must apply and be admitted to ASU in a degree or nondegree program. Students must meet with the digital culture education coordinator before enrolling in the certificate program. The coordinator and student will develop a pathway that best meets the proficiencies for the work he or she is interested in pursuing. The coordinator will review the student's previous academic work to determine which proficiencies the student has completed.

Digital culture certificate students will work with the digital culture education coordinator and successfully complete the required sequence of courses and proficiencies for a digital culture certificate. The digital culture education coordinator and the digital culture faculty committee in the Herberger Institute for Design and the Arts will help to craft the best path for the student.

Contact Information:

Design & the Arts, Herberger Institute for
Arts, Media and Engineering Sch T
http://herbergerinstitute.asu.edu/degrees/digital_culture/minor.php
CDS 101
herbergeradvising@asu.edu
480-965-4495

East Asian Studies Certificate (LAEASCERT)

Campus: TEMPE

Description: The certificate in East Asian studies can supplement a bachelor's, demonstrating knowledge of an Asian language as well as knowledge of Asian history, art, culture or society. This certificate helps prepares students for admission to graduate programs in Asian area studies or in an academic discipline with an Asian focus, or for professional programs in international law or business. Recent Asian studies graduates have gone on to enter medical school, law school, M.B.A. programs or Ph.D. programs. An earned certificate will appear on student transcripts as an East Asian studies emphasis.

Program Requirements: The certificate curriculum includes 24 credit hours of course work:

- Fifteen credit hours of upper-division area studies course work in at least three disciplines outside of languages and literature courses (such as anthropology, art, geography, history, political science and religious studies).
- Nine credit hours may be some combination of lower- and/or upper-division courses (six hours may be satisfied with language and literature courses limited to 321 and above).
- In addition, certificate students must demonstrate proficiency in an Asian language at the intermediate level. The language requirement can be satisfied by one of the following:
 - Completing the 201 and 202 sequence
 - One year of study abroad at the intermediate level
 - Satisfactory placement on a proficiency exam.

Asian languages include:

- Chinese.
- Hindu/Urdu.
- Indonesian.
- Japanese.
- Korean.
- Thai.
- Vietnamese.

Students pursuing an East Asian studies certificate must fulfill the language requirement in either Chinese, Japanese or Korean, and the 15 hours of upper-division course work must be courses with significant focus on East Asia chosen in consultation with the Center for Asian Research advisor.

A minimum grade of "C" (2.00) is required for each course that is used to fulfill the certificate requirements.

Enrollment Requirements: There are no specific admission requirements other than a student's desire to learn about East Asia. Please contact the department for more information and see http://www.asu.edu/clas/asian/certificate_undergrad.html (http://www.asu.edu/clas/asian/certificate_undergrad.html). All advising for this certificate is done through the School for International Letters and Cultures. Please contact silcadvising@asu.edu (<mailto:silcadvising@asu.edu>) to schedule an appointment with an advisor.

Contact Information:

Liberal Arts & Sciences, College of
Dean, College of Liberal Arts and Sciences
<http://www.asu.edu/clas/asian/>
COOR 6th floor east wing

Economic Justice Certificate (LAECNJCERT)

Campus: TEMPE

Description: This certificate focuses on the application of justice principles to different fields of economics, including microeconomics, macroeconomics, labor economics, public finance, development and international trade and investment, among others.

Students will gain transdisciplinary knowledge of economic justice that will promote the growth of sustainable communities, locally, nationally and globally. Areas of focus include different approaches to economic justice, wealth and poverty, labor movements and unionization, social innovation, legal constructions of labor justice and forms of work discrimination, employment and welfare advocacy and activism.

The course work in this certificate will prepare students to:

- Analyze and develop policies to build local skills.
- Develop the capacity to design, control, manage and evaluate initiatives aimed at economically revitalizing communities.
- Increase research abilities.
- Lay the groundwork for new approaches to economic justice.

Program Requirements:

- 18 total credit hours required for the certificate.
- "C" (2.00) grade or greater required for each course.

1. Theories and Foundation in Economic Justice (3 credit hours)

To provide student with a background in theories and philosophies of economic justice, student will select one of the following courses:

ASB 416 Economic Anthropology
COM 450 Theory and Research in Organizational Communication
ECN 360 Economic Development
JUS 321 Wealth Distribution and Poverty
JUS 323 Justice and Development of the Welfare State
JUS 325 Globalization and Economic Justice

2. Economic Justice Praxis (3 credit hours)

To better understand community, NGOs, government policies and other collective efforts aimed at improving economic conditions through various strategies, including asset building to low income communities, community based micro-finance, economic development, advocacy and training efforts. Students will select one of the following courses:

AIS 394 Indigenous Nation Building/Com/Econ Development
ASB 328 Rules, Games and Society
ECN 331 Economics of the European Economic Union
JUS 320 Community and Social Justice
JUS 405 Economic Justice
PUP 434 Urban Land Economics
SGS 394 Principles for Economic Development and Globalization
SGS 394 Policies for Economic Development (soon to be SGS 352)
SWU 432 Social Policy and Services
SWU 498 Border Families Community Asset Building

3. Interdisciplinary Component (9)

To provide students an opportunity to focus on a particular racial group, nation or region or specific historical event while also providing a broad interdisciplinary framework, students will select three electives. Courses must be taken from both of the substantive areas listed below, and from two or more academic units. Any course listed below may count toward this requirement, as well as other courses as approved by the certificate program director.

Race, Gender, Class, Citizenship and Economic Justice:

AIS 380 Contemporary Issues of American Indian Nations
AIS 494 Readings in Decolonization
APA 394 Asian Pacific Americans and Immigration
APA 394 Inequality and Diversity in Education (soon to be APA 350)
ASB/POS/SGS 447 Citizenship, Nationalism, and Identity
CRJ 305 Women, Crime and Justice
CRJ 306 Race, Ethnicity and Justice

ETH 300 Principles of Ethnic Studies
FAS/AFS 370 Family, Ethnic and Cultural Diversity
HST 325 Immigration & Ethnicity in the United States
HST 333 African American History to 1865
IAS 305 Work and Identity
JUS 420 Women, Work and Justice
JUS 415 Gender and International Development
JUS 425 Race, Gender and Justice
JUS 438 Human Differences Dilemmas of Justice
JUS 479 Law and Disputing
SOC/FAS 324 Work and the Workplace
SOC 423 Social Class and Stratification
SWU 374 Diversity and Oppression in a Social Work Context
TCL 314 Transborder Regional Immigration and Economy
WST 394 Women, Work and Poverty
National and Global
AFS 304 Islands of Globalization Caribbean Politics and Political Economy
ASB/SOC/SBS 342 Mexico-United States Borderlands
JUS 408 Comparative Development of the Welfare State
JUS 469 Political Deviance and the Law
PHI 309 Social and Political Philosophy
POS 480 Global Justice
POS 486 International Political Economy
SGS 394 Global Markets
SGS 394 Principles of Economic Development and Globalization

SOS 430 Sustainable Economic Development and Social Transformation
TCL 444 The Ethnography of Mexico and the Borderlands

4. Experiential Learning Component (3 hours)

A central element of this certificate program will be the linkage of learning and doing; connection theoretical and substantive learning about economic justice with practical knowledge about the workings of organizations and institutions seeking to address poverty and the wealth gap. To better connect classroom learning with practical experience, students will be required to participate in either a for-credit internship or a Research Experience with Undergraduates (REU) under faculty supervision (honors thesis may substitute). A written component to the internship or REU is required.

Enrollment Requirements: In order to declare this certificate, students must have a minimum of 56 earned credit hours and must first meet with an academic advisor.

Contact Information:

Liberal Arts & Sciences, College of
School of Social Transformation
<http://justice.clas.asu.edu/>
WHALL 125
justiceinfo@asu.edu
480-956-7682

Entertainment and Technology Certificate (LAFMSUERE)

Campus: TEMPE

Description: The entertainment and technology certificate is for students who have completed a course of study that includes 18 credit hours of entertainment and technology history, theory and convergence. It certifies the student has had the training to analyze industry changes through time, to identify current industry trends and to develop likely entertainment and technology models and scenarios for the future.

Program Requirements: ASU students admitted to a degree program in any field of study are eligible for the entertainment and technology certificate. In addition to the course work and examinations required in the major field of interest, students are responsible for fulfilling the requirement of 18 credit hours to earn the certificate. The upper-division courses are a three-course sequence and are taken upon completion of three lower-division film and media studies courses. A minimum grade of "C" (2.00) or better is required in each course. Required certificate core courses (18 credit hours) are:

FMS 100 Introduction to Film (3), HU
FMS 110 Introduction to New Media (3), L or HU
FMS 200 Film History (3), (L of HU) and H
FMS 302 US Media Now (3)
FMS 481 Entertainment Technologies (3)
FMS 483 Techno-Entertainment Convergences (3)

Enrollment Requirements: Any student admitted to study at ASU may complete a certificate. To apply to the university, please complete the Office of Admissions online application. Please contact the department for more information and see <http://english.clas.asu.edu/film-entertech> (<http://english.clas.asu.edu/film-entertech>).

Contact Information:

Liberal Arts & Sciences, College of
Department of English
<http://english.clas.asu.edu/film>
LL 542
englishadvising@asu.edu
480-965-3168

Environmental Humanities Certificate (LAENHCERT)

Campus: TEMPE

Description: The environmental humanities certificate offers students who are interested in humanities-based approaches to the current global environmental crisis an option to focus in this vital area of study. Students take three ENG/ENH courses and four electives from selected programs that are focused wholly or in large-part on the human relationship to the environment and the relationship between nature and culture. To gain practical experience, certificate students also complete a required English internship in environmental activism, policy development, education or other pertinent areas.

Program Requirements: The environmental humanities certificate consists of 24 hours, of which at least 6 must be upper-division from the Tempe campus.

Core Required Courses (9)

Complete three English courses from the list below:

ENG 334 The American Southwest in Literature and Film (L/HU) (3)

ENG 359 Indigenous American Literature (L/HU, C) (3)

ENG/TCL 363 Transborder Mexican and Chicano/a Literature of Southwest North America (L/HU, C) (3)

ENG 367 Environmental Issues in Literature and Film (L/HU) (3)

ENG 370/BIO 315 Science, Values, and the Public (3)

ENG 371 Rhetoric of the Environmental Movement (3)

ENG 378 Environmental Creative Nonfiction (L/HU) (3)

ENG 468 Environmental Literary Criticism (L/HU) (3)

ENG 469 Science and Literature (L/HU) (3)

Internship (3)

ENG 484 Undergraduate Internship: Environmental Humanities Certificate (3)

Electives (12)

Complete four additional courses (see advisor for approved list). Other courses may be approved by English advisor depending on special- or variable-topics courses available in given semesters.

Enrollment Requirements: For more information about the environmental humanities certificate, contact an advisor in the Department of English.

Contact Information:

Liberal Arts & Sciences, College of
Department of English
<http://english.clas.asu.edu/>
LL 542
englishadvising@asu.edu
480-965-3168

Environmental Humanities Certificate (LSEHCERT)

Campus: DTPHX

Description: The environmental humanities certificate offers students who are interested in humanities-based approaches to the current global environmental crisis an option to focus on this vital area of study. Students take courses and electives from selected programs that are focused on the human relationship to the environment and the relationship between nature and culture. To gain practical experience, certificate students also complete a required internship in environmental activism, policy development, education, or other pertinent areas.

Program Requirements: This certificate is comprised of 24 credit hours.

Core (9 credit hours): Pick three ENG courses from the list below. Note: Other ENG courses may be approved by SLS advisor depending on special- or variable-topics courses available in given semesters.

ENG 334 The American Southwest in Literature and Film (L/HU)
ENG 359 American Indian Literatures (L/HU, C)
ENG 363/TCL 363 Transborder Mexican and Chicano/a Literature of Southwest North America (L/HU, C)
ENG 367 Environmental Issues in Literature and Film (L/HU)
ENG 371 Rhetoric of the Environmental Movement
ENG 378 Environmental Creative Nonfiction (L/HU)
ENG/BIO 394 Science, Ethics, and the Public
ENG 468 Environmental Literary Criticism (L/HU)
ENG 469 Science and Literature (variable-topics course) (L/HU)
Internship (3 credit hours): Work with SLS internship coordinator to develop an appropriate internship.

ENG 484 Undergraduate Internship: Environmental Humanities Certificate (3 hrs.)

Electives (12 credit hours): Complete four additional courses (see advisor for approved list). Some courses are limited to students majoring in the discipline, have prerequisites, or cannot be taken in combination with another course on the list. Additional courses may be approved by the English advisor depending on special- or variable-topics courses available in given semesters.

Requirements:

- A minimum of 12 upper-division hours is required, with at least six of these taken at ASU.
- A grade of "C" or higher is required in all courses taken for the certificate.

Contact Information:

Letters & Sciences, School of
School of Letters and Sciences
<https://sls.asu.edu/>
SANCA 233

480-727-1526

Ethics Certificate (LAETHCERT)

Campus: TEMPE

Description: The ethics certificate is designed to give students a richer understanding of systematic philosophical thinking about ethics. Students with majors in business, nursing, journalism and public administration, and students planning to pursue legal careers, among others, may well find that training in ethics is beneficial to their career goals. The certificate program permits some flexibility regarding course selection, thereby facilitating particular student interests. Students must consult with an academic advisor in the School of Historical, Philosophical & Religious Studies to declare the certificate.

Program Requirements: The certificate in ethics consists of 18 credit hours approved by the undergraduate advisor in the School of Historical, Philosophical and Religious Studies. The student must take PHI 305 or PHI 335. At least 15 credit hours must be chosen from PHI 105, 304, 305, 306, 307, 309, 310, 320, 335, 360 and (when its topic is within ethics) PHI 420. One course outside this list, and perhaps outside the school, may be used with written approval from the director of undergraduate studies. All courses must be passed with a minimum grade of "C" (2.00).

Enrollment Requirements: Any student admitted to study at ASU may complete a certificate. To apply to the university, please complete the Office of Admissions online application. Please contact the School of Historical, Philosophical and Religious Studies for more information.

Contact Information:

Liberal Arts & Sciences, College of
Historical, Philosophical & Religious Studies, Sch
<http://shprs.clas.asu.edu/ethics>
COOR third floor Advising Center
SHPRSadvising@asu.edu
480-965-8364

Ethnic Studies Certificate (ASETHCERT)

Campus: WEST

Description: The certificate in ethnic studies is designed for students who plan to work and live in ethnically diverse communities and seek to acquire the skills for understanding the complexities of race, class and gender at local or national levels. It is expected students in the certificate program will be able to think analytically and creatively about ethnicity in the U.S. The certificate is strongly recommended for students who plan to enter a wide variety of jobs in business, health professions, the criminal justice system, social services, education, public relations, community development, public policy or government. It is also valuable for students preparing for further graduate study.

Program Requirements: A certificate in ethnic studies is awarded for successful completion of 21 credit hours, including ETH 300, and 18 credit hours of elective courses from the approved course list. The certificate program is recommended for graduate students, non-degree students and students majoring in professional programs.

Enrollment Requirements: Students wishing to pursue the ethnic studies certificate should consult an academic advisor in the unit offering that certificate to ensure that the appropriate set of courses is taken and required paperwork submitted.

Contact Information:

Interdisciplinary Arts & Sciences, New College of
School of Humanities, Arts, and Cultural Studies
<http://newcollege.asu.edu/harcs/degrees/certificates/erfns>
FAB N201
harcs.dept@asu.edu
602-543-4444

European Union Studies Certificate (LAEUSCERT)

Campus: TEMPE

Description: The European Union, or EU, is the biggest economic bloc in the world and also one of the most important economic and political partners of the United States. This certificate enables the student to develop expertise in the cultures, governments, and economies of the EU. It thus gives expertise valuable to potential employers doing business in the EU. It may serve as a beneficial complement to a bachelor's degree, or as a non-degree program for training business persons and others who wish to enhance their knowledge of European cultures, politics, economics and societies.

Program Requirements: Required core course (3 credit hours): Either ECN 331 - Economics of the European Economic Union (S. Gallais) or POS 356 European Union (C. Warner).

Five elective courses from the following list (15 credit hours). Additional courses may be approved by the coordinator of the certificate program. Of these fifteen credits, at least three must be in history (HST) or geography (GCU); at least three must be from a SILC civilization course, and at least three must be taken in a non-English EU language.

ENG 429 Studies in European Literature and Culture
FRE 322 French Literature
FRE 325 Introduction to French Film
FRE 416 French Civilization II
FRE 494 French Women in Society, Politics and the Arts
GCU 325 Geography of Europe
GER 416 German Civilization
GER 422 German Literature II
GER 453 German Masterpieces in Film
HST 304 Studies in European History
HST 351 Renaissance Europe
HST 356 Europe since 1945
HST 364 Sex and Society in Modern Europe
HST 365 Women in Europe
HST 367 Modern Britain
HST 368 Culture and Imagination in European History
HST 370 Eastern Europe in Transition
HST 427 French Revolut/Napoleonic Era
HST 428 Modern France
HST 429 Modern Germany
HST 432 Eastern Europe and the Balkans in the 20th Century
HST 438 Modern Spain
HST 465 Women in Europe 1750 to Present
ITA 315 Italian Civilization
ITA 322 Introduction to Italian Literature II
ITA 420 Italian Cinema
SLC 494; ENG 494; POS 494; GCU 494 Stalinism in Literature and Films in Modern Europe
SLC 494 Society and Culture in Modern Europe
SLV 394 Societies in New Eastern Europe
SPA 426 Spanish Literature
SPA 473 Spanish Civilization

Enrollment Requirements: Degree students: ASU students with at least a 2.00 GPA and sophomore standing or above in

any degree program will be eligible for the European Union certificate program. Non-degree students: Must have completed two years or more of college.

Contact Information:

Liberal Arts & Sciences, College of
School of International Letters and Cultures
<http://silc.asu.edu/>
LL 446A
silc@asu.edu
480-965-6394

Family Communication Certificate (ASFAMCCERT)

Campus: WEST

Description: The family communication certificate offers students an opportunity to specialize their studies on issues regarding communication in the family. The certificate complements the current communication program by bringing together a broad array of courses that have family implications, such as courses in new media and health. In addition, students are encouraged to take courses in other disciplines that complement family-related communication courses.

Program Requirements: The certificate consists of 19 credit hours: 12 credits must be upper division, six must be non-communication credits, and a one credit exit portfolio course is to be taken after a minimum of 12 credits have been completed. Twelve of the 19 credits must be ASU credit. Six credits may be double counted with one's ASU major. Each class must be passed with a "C" (2.00) or better.

Required Core Courses (6):

COM 411 Communication in the Family, SB

Select one:

COM 312 Communication, Conflict, and Negotiation

COM 410 Interpersonal Communication Theory and Research, SB

COM 417 Communication and Aging

Four courses must be selected from at least two content areas listed below (12):

Social and Cultural Elements of the Family

AFS 370 Family, Ethnic and Cultural Diversity, SB, C

ASB 346 Marriage and Family Diversity, SB, C

COM 316 Gender and Communication, SB, C

COM 410 Interpersonal Communication Theory and Research, SB

FAS 301 Introduction to Parenting

FAS 331 Marriage and Family Relationships, SB

FAS 370 Family, Ethnic & Cultural Diversity, SB, C

FAS 435 Advanced Marriage and Family Relationships, L or SB

SBS 440 Family Studies

SOC 415 The Family (SB)

Technology, Media and the Family

COM 424 Television Studies and Criticism

COM 457 New Media

ENG 244 Introduction to Researching Family History

MCO 473 Sex, Love, and Romance in the Mass Media, SB

Health and Family Development

ALD 403 Aging, Lifespan Development, and the Family

ALD 420 Health Issues and Older Adults, SB

ALD 431 Caregiving for Older Adults

CDE 430 Infant/Toddler Development in the Family, SB

CDE 437 Infant Family Assessment and Observation, L or SB

COM 417 Communication and Aging

CRJ 204 Juvenile Justice

FAS 332 Human Sexuality, SB

FAS 431 Parent-Adolescent Relationships, SB

FAS 436 Sexuality in Mid-Life and Beyond

PGS 341 Developmental Psychology, SB

PGS 443 Abnormal Child Psychology (L or SB)

PGS 444 Adolescent Psychology and Psychopathology
SOC 312 Sociology of Adolescence (SB)

Community Application

COM 484 Internship (in consultation with FCC advisor)
COM 498 Inner City Families: Cycle of Poverty
COM 498 Inner City Families: Special Topics

Portfolio

COM 498 Seminar Family Communication Portfolio (1)*

This course is a synthesis of students' family communication academic experience. The portfolio itself integrates each student's family communication experience with theory and concepts from family communication courses. The portfolio may take a variety of forms, to be negotiated by each student with the instructor. This course is to be taken after a minimum of 12 credits toward the certificate have been completed.

*Substitutions allowed with faculty advisor approval.

Enrollment Requirements: Please contact the department.

Contact Information:

Interdisciplinary Arts & Sciences, New College of
School of Social and Behavioral Sciences
<http://famcom.asu.edu/>
FAB S110
SBS.Dept@asu.edu
602-543-6058

Film and Video Studies Certificate (ASVIDCERT)

Campus: WEST

Description: The certificate in film and video studies explores theory and practice in the general field of the moving image. This interdisciplinary program provides students an opportunity to develop interests, skills and knowledge of the forms, channels, technologies and histories of the media arts. Students may pursue focused interests in film studies or adopt a more generalized approach to visual media through television, film and video. The program is useful to students who may pursue careers in broadcasting, writing and public relations and degrees in production, film studies, media studies, performance studies and communication studies. Courses in the film and video studies certificate are designed to:

- Develop astute and discriminating critics and analysts of film and media arts.
- Develop knowledge of the history of film, television and the video arts as dynamic forces of social, cultural and political expression.
- Develop practical skills that enable students to be competitive in film, video, television and media-related production industries.
- Strengthen critical thinking through an awareness of the philosophical, aesthetic, political and technological debates in film, media and video studies.

Program Requirements: A certificate in film and video studies is awarded for the successful completion of 21 credit hours, 15 of which must be upper division (300 and 400 level). Students choose a focus in media and video studies or film studies.

Enrollment Requirements: The certificate in film and video studies is open to all undergraduate majors. Students wishing to pursue the certificate should consult an academic advisor in the unit offering that certificate to ensure the appropriate set of courses is taken and required paperwork submitted.

Contact Information:

Interdisciplinary Arts & Sciences, New College of
School of Humanities, Arts, and Cultural Studies
<http://newcollege.asu.edu/harcs/degrees/certificates/film>
FAB N201
harcs.dept@asu.edu
602-543-4444

Geographic Information Science Certificate (LAGISCERT)

Campus: TEMPE

Description: The geographic information science (GIS) certificate program is a structured interdisciplinary program. It is built on GIS course work

currently being taught at ASU. Students who earn the certificate exit the program with standardized skill sets based on learning outcomes associated with each required course.

Program Requirements: The certificate is awarded to students completing the following 19 credit hours with a grade of "C" (2.00) or higher.

Required courses

CSE 100 Principles of Programming with C++, CS (3) or CSE 110 Principles of Programming with Java, CS (3)

GCU 495 Quantitative Methods in Geography, CS (3)

GPH 370 Geographic Information Technologies, CS (3)

GPH 373 Geographic Information Science I, CS (4)

GPH 473 Geographic Information Science II, CS (3)

Electives (3)

ABS 485 GIS in Natural Resources (3)

ABS 586 Remote Sensing in Environmental Resources (4)

GCU 361 Urban Geography, SB (3)

GCU 441 Economic Geography, SB (3)

GCU 442 Geographical Analysis of Transportation, SB (3)

GPH 371 Introduction to Cartography and Georepresentation, CS (3)

GPH 372 Air Photo Interpretation (3)

GPH 471 Geographics: Interactive and Animated Cartography and Geovisualization, CS (3)

GPH 481 Environmental Geography (3)

GPH 483 Geographic Information Analysis (3)

GPH 484 Internship: GIS-Based (3)

PLB 434 Landscape Ecological Analysis and Modeling (3)

Enrollment Requirements: Any student admitted to study at ASU may complete this certificate. To apply to the university, please complete the Office of Admissions online application. Please contact the school for more information.

Contact Information:

Liberal Arts & Sciences, College of

School of Geographical Sciences and Urban Planning

<http://geoplan.asu.edu/>

COOR 5673

geoplan@asu.edu

480-965-7533

Hazardous Materials and Waste Management Certificate (TSETMCERT)

Campus: POLY

Description: The certificate program in hazardous materials and waste management is designed to provide current and prospective employees of industry and government with a comprehensive and practical curriculum of study in hazardous materials management. The certificate program features instruction by faculty, attorneys and professionals who work in the specific area in which they teach.

The certificate program is available for nondegree students who take the courses for audit credit, as well as for degree-seeking students who complete the required classes.

Program Requirements: Students must complete seven selected courses (five required and two electives) and earn a grade of "C" (2.00) or higher to receive the certificate.

Enrollment Requirements: Please contact the department for more information.

Contact Information:

Technology & Innovation, College of

Dept of Tech Entrepreneurship and Innovation Mgmt

<http://technology.asu.edu/etm>

SUTON 340

technology@asu.edu

480-727-1784

History and Philosophy of Science Certificate (LAHPSCERT)

Campus: TEMPE

Description: The School of Life Sciences offers an undergraduate certificate in the history and philosophy of science. This program is designed to give students an understanding of both traditional philosophical issues surrounding science and the historical development of concrete scientific theories and ideas.

The philosophic questions about how we understand nature through science and how scientific claims gain authority are enriched when they are considered in an historical context. Such philosophic and historical study will also often include the examination of contemporary sciences and their place within the larger society, including the study of bioethics, policy and law.

This certificate is a valuable addition for students in the sciences or the humanities. It crosses disciplines to help students engage in unfamiliar and familiar paths of inquiry in new and interesting ways.

Program Requirements:

- The certificate requires 18 credit hours bearing a PHI or HPS prefix, of which 12 credit hours must be upper-division.
- Within the 18 credit hours, at least nine must bear the HPS prefix.
- PHI 314 Philosophy of Science is required.
- All courses counting toward the certificate must be approved by an undergraduate advisor in the School of Life Sciences and passed with a grade of "C" (2.00) or higher.

Enrollment Requirements: Any student admitted to study at ASU may complete a certificate. To apply to the university, please complete the Office of Admissions online application. Please contact the School of Life Sciences for more information and see <http://sols.asu.edu/cbs/programs.php> (<http://sols.asu.edu/cbs/programs.php>).

Contact Information:

Liberal Arts & Sciences, College of
School of Life Sciences
<http://sols.asu.edu/>
LSC 206
sols.advising@asu.edu
480-727-6277

Honors Business Consulting Certificate (BAECNUERT)

Campus: TEMPE

Description: This certificate is designed to enhance your knowledge in a major while also adding to your understanding of business strategy in a global market. The required curriculum strengthens skills in:

- Business judgment.
- Conceptualization of strategic solutions.
- Critical thinking and problem solving.

Program Requirements: The program consists of 15 hours of course work. Only courses in which a student earns a grade of "C" (2.00) or higher may be used to meet the certificate requirements. Students must meet all prerequisites and course requirements as listed in the catalog. All 15 credit hours must be ASU credit.

Honors Business Core, with grade of "B" or higher in each course (6)

ECN 303 Honors Managerial Economics

FIN 303 Honors Finance

MGT 303 Honors Organizational Strategies, Leadership and Behavior

MKT 303 Honors Marketing Theory and Practice

SCM 303 Honors Global Supply Operations

Business Modeling and Analysis, with grade point average of 3.00 or higher (9)

WPC 494a Consulting in Business

WPC 494b Modeling Tools in Consulting

WPC 494c Consulting Projects (capstone) - OR - WPC 493 Honors Thesis/Creative Project

Enrollment Requirements: The certificate is limited to honors students in the W. P. Carey School of Business. Students must submit an application for admission during the spring semester of their sophomore year. Please contact the department for more information.

Contact Information:

Business, W. P. Carey School of
Department of Economics
<https://my.wpcarey.asu.edu/undergrad/academics/honors-certificate.cfm>
BA 109
wpcacademy@asu.edu
480-965-8710

Human Rights Certificate (LAHRTSCERT)

Campus: TEMPE

Description: The undergraduate certificate in human rights offers a model for educating and training students through socially embedded, transdisciplinary dialogue, research and practice. Course work in the social sciences, law and the humanities will prepare students to critically examine societal problems and to design culturally congruent and contextually specific solutions to human rights dilemmas in such areas as:

- Child welfare.
- Economic development.
- Education.
- Environment.
- Health.
- Indigenous rights.
- Labor rights.
- Violence against women.
- Water and energy resources.

The certificate provides students with historical, legal and philosophical perspectives from which to think broadly and critically about human rights issues. It introduces them to social science and policy research on rights, conflict and governance; to human rights conventions, laws and treaties; and to the institutions that seek to uphold these agreements (i.e., international tribunals, nongovernment organizations). Students gain background and skills needed to work within those professions most closely aligned with human rights, including some aspects of law, nongovernment organizations and other nonprofits and policy development.

Program Requirements: Students must complete 18 hours of qualifying course work, at least 12 hours of which must be from ASU. A minimum grade of "C" (2.00) is required for a course to count towards the certificate.

Required Certificate Core Courses:

- Global Politics of Human Rights (3)

Students must select one of the following courses:

POL 494 International Human Rights

JUS 352 The Global Politics of Human Rights

- Human Rights Institutions and Organizations (3)

Students must select one from the following options:

POS 465 International Organization and Law

SGS 394 International Institutions and Global Governance

- Interdisciplinary Component (9)

Students must select three electives on current issues in human rights. Courses must be taken from at least two of the substantive areas listed below and from two or more academic units. Any course listed below may count towards this requirement, as well as other courses as approved by the certificate program director.

States and Conflict

HST 370 Eastern Europe in Transition

HST 436 The Soviet Experiment

JUS 374 Holocaust, Genocide and Human Rights

JUS 469 Political Deviance and the Law

JUS 479 Law and Disputing

JUS 467 Terrorism, War and Justice

JUS 494 Justice in Times of Transition

JUS 452 Justice Issues in Israel/Palestine

POS 369 War, Politics and Society

POS 465 International Organizations and Law

POS 368 Ethics and Human Rights in Global Politics

REL 388 Religion, Ethics, and International Affairs

REL 486 Holocaust in Film

Social Stratification and Human Rights

AFH 305 The Global History of the Trans-Atlantic Slave Trade

AFH 327 Human Rights in Africa

AFS 470 Women's International Human Rights

APA 350 Inequality and Diversity in Education

APA 394 Asian Pacific American Immigration and Social Justice

JUS 321 Wealth Distribution and Poverty

JUS 325 Globalization and Socio-Economic Justice

JUS 405 Economic Justice
JUS 415 Gender and International Development
JUS 477 Youth and Justice
PHI 309 Social and Political Philosophy
WST 365 Women and International Health

Marginalization and Human Rights
AFS 301 Race and Racism in the African Diaspora
AFS 304 Islands of Globalization
AFR 420 Race, Ethnicity and Politics in the African Diaspora
APA 330 Asian Pacific American Genders and Sexualities
APA 360 The Asian Pacific American Experience
ASB/SBS/SOC/POL 339 Introduction to Social Movements
JUS 430 Social Protest, Conflict and Change
JUS 469 Political Deviance and the Law
JUS/REL 483 Religion, Violence and Conflict Resolution
POS 480 Global Justice
SGS 343 Religion, Nationalism and Ethnic Conflict
SOC 445 Globalization, Development and Resistance
WGS 410 Poverty, Social Justice and Global Health
WGS 498 Gender, Religion and Global Violence

• Experiential Learning Component (3): Students will choose from a JUS 484: Internship or JUS 498: Research Experience for Undergraduates in consultation with the advisor.

Enrollment Requirements: Students who have attained junior standing (56 credit hours) in any undergraduate degree program in any field at ASU are eligible for admission to the certificate in human rights. There are no formal admissions procedures to begin certificate course work, but students should contact the certificate in human rights program director or an advisor as soon as they decide to begin pursuing the certificate.

Contact Information:

Liberal Arts & Sciences, College of
School of Social Transformation
<http://justice.clas.asu.edu/>
WILSN 125
justiceinfo@asu.edu
480-965-7682

Informatics Certificate (ESCPICERT)

Campus: TEMPE

Description: The certificate in informatics trains students to use computer technology to gather, synthesize, store, visualize and interpret information. These skills are critical to a broad range of disciplines. This certificate provides students with an understanding of the capabilities and technologies of informatics as it applies to domain specific problems in their field of study.

Students completing this certificate are able to use methods for and understand the basic computational principles behind the operation of:

- Communication, networking and interaction.
- Decision-making and problem solving.
- Modeling, inference and visualization.
- Representing, creating and running routine activities.
- Storing, indexing and retrieving information.

Graduates should be in high demand within the software industry, but also in government, education, science, medicine, and other fields that make use of computer technology. Students with the applied and user-oriented focus of the certificate will be attractive to such employers.

Program Requirements: This program requires 21 credit hours of course work. Students will take 15 credit hours of required courses and will choose six credit hours of elective course work.

Core Courses

CPI 101 Introduction to Informatics (3) (CS)
CPI 200 Mathematical Foundations of Informatics (3) (MA)
CPI 310 Information and Data Management (3)
CPI 360 Decision Making & Problem Solving (3)
STP 226 Elements of Statistics (3) *

*Please consult an advisor about alternate statistics courses.

Electives (select two)*

ART 345 3D Visualization and Rapid Prototyping (3)

BIO 355 Introduction to Computational Molecular Biology (3)

CPI 400 Scientific Computing and Visualization (3)

CPI 430 Social Simulation (3)

ENG 374 Technical Editing (3)

GPH 370 Geographic Information Technologies (3)

STS 306 Social Effects of Science and Technology (3)

*Certain departments may offer additional courses which could satisfy this elective requirement. Please consult with an advisor for approvals.

Enrollment Requirements: The undergraduate certificate in informatics is available to students in non-computing majors who are in good standing at ASU, and may be used by B.I.S. students as part of their degree program. Students need to submit an Undergraduate Certificate form to the School of Computing, Informatics and Decision Systems Engineering Advising Center. This form is available on the registrar's website. B.I.S. students need to contact their B.I.S. advisor to add the informatics concentration to their degree program.

Contact Information:

Engineering, Ira A. Fulton Schools of

Computing and Informatics Program

<http://engineering.asu.edu/cidse>

BYENG 208

cidse.advising@asu.edu

480-965-3199

International Business Certificate (BAIBSCERT)

Campus: TEMPE

Description: Students can expand their horizons and opportunities by learning about the global economy. The certificate is designed to:

- Develop competence in a foreign language.
- Develop sensitivity to foreign cultures.
- Provide an awareness of global social processes.
- Provide an understanding of international business environments, principles and operations.

The W. P. Carey School of Business has partnerships with universities in Europe, Asia and Latin America, so students can experience new cultures, visit new places and build intercultural and language skills. International internships also are offered in conjunction with the ASU Study Abroad Office.

Program Requirements: This certificate program requires a minimum of 18 credit hours, which are outlined below. All business course work must be completed through the W. P. Carey School of Business or through an approved ASU international study program. Only courses in which a student receives a grade of "C" (2.00) or higher may be used to meet the certificate requirements, and an overall certificate GPA of at least 2.50 must be earned. Students must meet all course prerequisites and requirements as listed in the ASU catalog. Certificate requirements must be completed within one year of graduation date.

The four required areas of completion for the certificate are:

- International business course work (9).
- Non-business global awareness course work (9).
- Language proficiency.
- International study experience.

A. International Business Course Work (9)

Three international business courses are to be taken. Students must choose one foundation course and two electives.

Foundation course (3): MGT 302 Principles of International Business or ECN 306 Survey of International Economics or AGB 302 International Management and Agribusiness

Elective courses (6).

B. Non-Business Global Awareness Course Work (9)

These hours may be satisfied by any combination of the following:

- Recommended: It is recommended to choose courses related to the area of study abroad experience. Additional courses may be approved by the international program coordinator.
- Any university designated non-business global awareness ("G") courses.

• Non-business global awareness hours may also be satisfied by:

- An ASU or W.P. Carey School of Business education abroad program for one semester fulfills all nine hours of non-business global requirements.
- An ASU or W.P. Carey School of Business program earning six credit hours fulfills six of the hours of non-business global requirements.
- An ASU or W.P. Carey School of Business program earning three credit hours fulfills three of the hours of non-business global requirements.

C. Foreign Language Proficiency

The certificate program requires the equivalent of one year of college-level study of a foreign language. Foreign language proficiency is met in one of the following ways:

- Completion of one year (two semesters) of the same foreign language at the college level.
- Completion of one semester of the equivalent of 101 & 102 level course work.
- Completion of two years of the same foreign language in high school with a minimum grade of "C" (2.00).
- Documentation of a proficiency test confirming preparedness to start at least the second year of a foreign language (201 level or above).
- A student whose first language is not English may have this requirement waived.

D. International Study Experience

Participation in an ASU-approved international study program is required.

Enrollment Requirements: Students need to complete an application, which is available online or in BA 109. Please contact the department for more information and see <http://wpcarey.asu.edu/international> (<http://wpcarey.asu.edu/international>).

For U.S. Department of Education Gainful Employment Program Disclosure information, see

http://catalog.asu.edu/files/shared/GE_Disclosure_BAIBSCERT.pdf (http://catalog.asu.edu/files/shared/GE_Disclosure_BAIBSCERT.pdf).

Contact Information:

Business, W. P. Carey School of
Dean, W.P. Carey School of Business
<http://wpcarey.asu.edu/>
BA 109
wpcareyug@asu.edu
480-965-4227

International Studies Certificate (LAINSCERT)

Campus: TEMPE

Description: The international studies certificate is designed to prepare students for careers in government agencies, international governmental and nongovernmental organizations, multinational firms and banks and for graduate studies in international relations or political science. The certificate is not a substitute for degree requirements in any subject, including political science; rather, the required courses add an international and comparative dimension to the student's chosen major.

Program Requirements: Requirements for the certificate are intended to provide an understanding of international relations and comparative government, an awareness of global, social and political-economic processes and sensitivity to foreign political systems and cultures. These objectives are met by a sequence of political science courses in the areas of international relations, comparative politics, and area studies. Students majoring in any subject at the university may be awarded the international studies certificate upon completion of the following 15 credit hours of political science courses.

Choose one from the courses below:

POS 150 Comparative Government, SB, G (3)

POS 160 Global Politics, SB, G (3)

Choose one from the courses below:

POS 361 American Foreign Policy, SB, G (3)

POS 364 National Security, Intelligence and Terrorism, SB (3)

Choose two from the courses below:

POS 300 Contemporary Controversies in Global Politics, SB, G (3)

POS 368 Ethics and Human Rights (3)

POS 465 International Organization and Law, SB, G (3)

POS 467 International Security, SB, G (3)

POS 486 International Political Economy, SB, G (3)

Choose one from the courses below:

POS 350 Comparative Politics, SB, G (3)
POS 355 Russia and Successor States, SB, G (3)
POS 356 European Union, SB, G (3)
POS 357 South Asia Politics, SB, G (3)
POS 358 Southeast Asia, SB, G (3)
POS 359 African Politics and Society, SB, G (3)
POS 360 World Politics, SB, G (3)
POS 451 China, Japan and the Koreas, SB, G (3)
POS 452 China, SB, G (3)
POS 453 South America, SB, G (3)
POS 454 Mexico, SB, G (3)
POS 455 Central America and the Caribbean, SB, G (3)
POS 459 South and Southern Africa, SB, G (3)
POS 463 Inter-American Relations, SB, G (3)
POS 468 Comparative Asian Foreign Policies, SB, G (3)

Certificate students must have a minimum GPA of "C" (2.00); only courses in which students have a grade of "C" (2.00) or higher count toward the certificate. A minimum of six upper division credit hours must be taken in residence at the Tempe campus.

Enrollment Requirements: Any student admitted to study at ASU may complete a certificate. To apply to the university, please complete the Office of Admissions online application. Please contact the School of Politics and Global Studies for more information.

Contact Information:

Liberal Arts & Sciences, College of
School of Politics and Global Studies
<http://pgs.clas.asu.edu/>
COOR 6797
spgs@asu.edu
480-965-6551

Islamic Studies Certificate (LAISLCERT)

Campus: TEMPE

Description: Any student admitted to study at ASU is eligible for the Islamic studies certificate program. Students who complete all the requirements of their undergraduate major, their college and the certificate program receive the certificate plus transcript recognition of their particular emphasis. The certificate program is designed to prepare students for graduate programs in religious studies, Islamic studies and area studies or for any academic discipline (such as professional programs in international law and business) that focuses on global Muslim society. Students wishing to add the Certificate in Islamic Studies to their plan of study must consult with an academic advisor in the School of Historical, Philosophical & Religious Studies.

Program Requirements: Students must complete a minimum total of 26 credit hours, chosen in consultation with the Islamic studies program coordinator. A minimum grade of "C" (2.00) is required in each course. A minimum of 12 upper division hours are required. To earn the certificate, students must complete these requirements:

- Eight credit hours of Arabic, Indonesian or another language approved by the program coordinator; students who are native speakers of these languages or who otherwise have equivalent knowledge substitute two additional courses approved by the program coordinator.
- Nine credit hours of required core courses from REL 260 Introduction to Islam, REL 365 Islamic Civilization, REL 366 Islam in the Modern World.
- Three upper division credit hours in a selected course that deals with Islam and/or Islamic studies, to be selected in consultation with the program coordinator or an academic advisor in the School of Historical, Philosophical & Religious Studies.
- Six elective credit hours in courses from a variety of disciplines that deal with Islam and/or Islamic studies (must be approved by the program coordinator).

Enrollment Requirements: Any student admitted to study at ASU may complete a certificate. To apply to the university, please complete the Office of Admissions online application.

Contact Information:

Liberal Arts & Sciences, College of
Historical, Philosophical & Religious Studies, Sch
<http://shprs.clas.asu.edu/islamic>

COOR third floor Advising Center
SHPRSadvising@asu.edu
480-965-8364

Jewish Studies Certificate (LAJUDCERT)

Campus: TEMPE

Description: The Jewish studies program is designed with the following goals in mind:

- To examine the history and culture of the Jews.
- To generate and facilitate research on Judaica.
- To provide the community with programs, courses and research, furthering the understanding of Judaica.
- To provide a model for interdisciplinary teaching and research.
- To stand as an example of the university's commitment to a program of meaningful ethnic studies on a firm academic base.

Program Requirements: To complete the certificate in Jewish studies, a student must successfully complete seven approved courses (a minimum of 12 upper-division credit hours) in Jewish studies with a grade no lower than a "C" (2.00) in any course. Students should declare themselves as Jewish studies certificate candidates as early as possible in their program of study, and accomplish the following prior to graduation:

- Formal declaration of intent through the submission of the Certificate in Jewish Studies Application to the School of Historical, Philosophical & Religious Studies Advising Center.
- Completion of at least two semesters of Hebrew language or equivalent approved courses.
- One Jewish studies course in three of the following five areas:
 - History.
 - Humanities.
 - Literature.
 - Religious studies.
 - Social studies.
- Two courses of the student's choice in any Jewish studies related subject.

Students petition for receipt of the certificate by notifying the School of Historical, Philosophical & Religious Studies Advising Center upon completion of courses.

Enrollment Requirements: Any student admitted to study at ASU may complete a certificate. To apply to the university, please complete the Office of Admissions online application. Please contact the School of Historical, Philosophical and Religious Studies for more information.

Contact Information:

Liberal Arts & Sciences, College of
Dean, College of Liberal Arts and Sciences
<http://jewishstudies.clas.asu.edu/certificate>
COOR 4465
SHPRSadvising@asu.edu
480-727-6906

Knowledge Entrepreneurship and Innovation Certificate (BAKEICERT)

Campus: TEMPE

Description: The certificate program is comprised of three university-wide core courses followed by two courses within a student's disciplinary college. Individual colleges will be encouraged to offer a capstone course as part of the program. Beyond topics related specifically to entrepreneurial business practices, courses include such topics as social entrepreneurship, arts entrepreneurship, idea generation and storytelling as additional perspectives for the student entrepreneur.

Students completing the certificate in knowledge entrepreneurship and innovation have their achievements recognized on their transcripts. Career services markets the certificate to potential employers, highlighting the innovative skills that students with this designation can offer.

Program Requirements: Required Core (9)

- CORE 1: MGT 294 My Life Venture OR TMC 294 My Technology Venture (3)
- CORE 2: MGT 394 Creativity and Innovation OR TMC 394 Innovation and Creativity (3)
- CORE 3: MGT 360 Entrepreneurship and Value Creation OR TMC 394 Technology Entrepreneurship (3)

Capstone Experience (at least 6 credit hours)

- It is the student's responsibility to check the prerequisites required by courses in their discipline.
- Capstone courses will be designated and approved by individual disciplinary colleges.
- Capstone courses will consist of existing courses or new courses created by departments.

Prerequisite Information

- MGT 360 Entrepreneurship and Value Creation has a prerequisite requirement of MGT 294 My Life Venture with a grade of "B" (3.00) or above and prerequisite or co-requisite requirement of MGT 394 Creativity and Innovation with a grade of "B" (3.00) or better OR ACC 240 or ACC 241 with a grade of "C" (2.00) or better.
- MGT 394 Creativity and Innovation has a prerequisite or co-requisite requirement of MGT 294 My Life Venture with a "B" (3.00) or above OR current W.P. Carey School of Business bachelor's student status.

Enrollment Requirements: Students need to complete an application. Please contact the department for more information and see <https://my.wpcarey.asu.edu/undergrad/academics/my-life-venture.cfm> (<https://my.wpcarey.asu.edu/undergrad/academics/my-life-venture.cfm>).

Contact Information:

Business, W. P. Carey School of
Department of Management
<https://my.wpcarey.asu.edu/undergrad/academics/my-life-venture.cfm>
BA 352L
wpcareymgt@asu.edu
480-965-1184

Korean Studies Certificate (LAKORCERT)

Campus: TEMPE

Description: The certificate in Korean studies aims to train and produce students who are linguistically able and culturally informed. The program consists of two major components. The first is to build students' language proficiency in Korean in the areas of speaking, listening, reading and writing. The second is to offer students a broad range of knowledge of the culture, literature, history, art and religions of Korea. The certificate allows students to focus on Korean studies, which cannot be attained through the existing degree or nondegree programs in East Asian studies at ASU.

The program will enrich students' perspectives on different cultures and societies at the intellectual level and also equip students with practical knowledge of Korea that will benefit careers in various professions, including academe, government work, international trade, NGOs and translations.

Program Requirements: Language Requirement

Students must demonstrate proficiency in the Korean language at the intermediate level. The language requirement can be satisfied by completing the 201-202 sequence, one year of study abroad at the intermediate level, or achieving a satisfactory score on a proficiency exam. Language proficiency evaluations will be conducted by Dr. Chan Young Park (cypark@asu.edu).

Core Courses (12 credit hours)

Students must complete at least 12 credit hours at or above the 300 level of core courses from the following:

KOR 313 Third-Year Korean I
KOR 314 Third-Year Korean II
KOR 347 Korean Film and Literature
KOR 350 Women of Korea
REL 354 Religious Tradition of Korea

Elective Courses (6 credit hours)

In addition to the above core courses, students are required to complete six credit hours from an approved list of electives. These courses must be from two different departments. The following is a model of a list of electives:

REL 394 Korean Buddhism
HST 303 Studies in Asian History
HST 388 Japan
REL 345 Asian Religious Traditions
HST 451-452 Chinese Cultural history
CHI 494 Print Culture and Book in East Asia

Additional courses may be approved by the coordinator of the certificate program.

These credit hours will be chosen in consultation with the certificate coordinator. The completion of the requirements will be reviewed both by the students' designated advisors and the coordinator of the program. A minimum grade of "C" or better is required in each course. In the end, the coordinator will sign off on the certificates.

Enrollment Requirements: ASU students admitted to a degree program in any field of study would be eligible for the Korean studies certificate program. Other than the course work and examinations required in the major field of interest, students would be responsible for fulfilling the minimum requirements of 18 credit hours (at least 12 credit hours for core courses) in addition to the basic language requirement to earn the Korean studies certificate.

Contact Information:

Liberal Arts & Sciences, College of
School of International Letters and Cultures
<http://silc.asu.edu/>
LL 402B
silc@asu.edu
480-965-0420

Latin American Studies Certificate (LALASCERT)

Campus: TEMPE

Description: The Latin American studies certificate program is designed to give students an understanding of culture, economies, political structures and the history of Latin American nations. The departments of economics, geographical sciences, history and political science, the School of Human Evolution and Social Change, the School of International Letters and Cultures (Spanish and Portuguese) and the School of Transborder Studies offer courses that combine in the interdisciplinary certificate.

Program Requirements:

- Students must complete 30 credit hours of upper-division courses with a "C" (2.00) or better from the above departments/colleges with a concentration in Latin America, 15 credit hours in the major subject and 15 credit hours in other disciplines.
- The certificate requires Spanish or Portuguese proficiency through the 313 level of conversation and composition.
- Only language courses above 313 in literature and civilization count toward a major or interdisciplinary areas of preparation.
- Spanish and Portuguese courses above 313 in grammar and phonology do not count toward the requirements. Students should meet with the certificate advisor regarding course questions.

Enrollment Requirements: Any student admitted to study at ASU may complete a certificate. For more information, contact the School of International Letters and Cultures and see the school's website for more information.

Contact Information:

Liberal Arts & Sciences, College of
Dean, College of Liberal Arts and Sciences
<http://silc.asu.edu/undergraduate/certificates>
LL 440
silc@asu.edu
480-965-6281

Leadership and Ethics Certificate (PPLDECERT)

Campus: DTPHX

Description: The certificate in leadership and ethics is designed for undergraduate students who are interested in developing leadership skills or wish to enhance their degree in an existing major at ASU, working adults who may wish to further their education yet may not be looking for a degree program, or B.I.S. students who seek to combine certificates with their degree.

The certificate program provides a catalyst for students to become ethical leaders of organizational and community change. This certificate is designed to:

- Explore the relationship between leadership and the capacity for individuals to assume responsibility for their actions and to act with a sense of ethics and integrity.
- Focus on understanding the broad interdisciplinary field of leadership and its application to various elements of society and community.
- Prepare individuals for positions of leadership and responsibility in the university, student organizations, in their communities and throughout their careers in business, government and society.

Program Requirements: The certificate in leadership and ethics consists of 15 credit hours of course work. Students take 12 hours of core classes and three hours of elective courses. The three hours of elective course work may be selected from an approved list of elective classes or upon the

recommendation of the department.

All courses applied to the certificate must be completed with a grade of "C" (2.00 on a 4.00 scale) or better. The certificate in leadership and ethics requires four core courses, including a leadership capstone experience, and one elective discipline-based course in leadership or ethics.

Core classes

PAF 410 Building Leadership Skills (3)

PAF 311 or 411 Leadership and Change (3)

PHI 394 Ethics and Justice (3) or PAF 460 Public Service Ethics (3)

PAF 494 Leadership Capstone (3)

All core courses and the leadership capstone must be taken at Arizona State University. Any course substitutions for the certificate are at the discretion of the School of Public Affairs.

Enrollment Requirements: There are different application requirements, depending on the student's enrollment status with ASU. Students are also encouraged to schedule an appointment with the undergraduate academic adviser in the School of Public Affairs.

Undergraduate Students Currently Enrolled at ASU

Current students interested in earning the certificate must complete a request to add an undergraduate certificate and return it to the undergraduate academic advisor in the School of Public Affairs at the University Center on the Downtown Phoenix campus. Students may begin taking courses before they formally register for the certificate; however, they are encouraged to complete the paperwork as soon as possible.

Download the request to add an undergraduate certificate at <http://students.asu.edu/node/1993> (<http://students.asu.edu/node/1993>).

Individuals Not Currently Enrolled at ASU

Individuals who are not currently enrolled as students at Arizona State University must complete an application to enroll as a nondegree-seeking student before they may begin taking courses. For information on admission and to complete an application, visit the university's nondegree student admission page at <http://students.asu.edu/non-degree-student-admission> (<http://students.asu.edu/non-degree-student-admission>).

Once students have been admitted, they are eligible to enroll in courses to complete the certificate program.

Contact Information:

Public Programs, College of

School of Public Affairs

<https://spa.asu.edu/programs/undergraduate/leadership>

UCENT 400

spa@asu.edu

602-496-0450

Lesbian, Gay, Bisexual and Transgender Certificate (PPLGBTCERT)

Campus: DTPHX

Description: The undergraduate certificate in lesbian, gay, bisexual and transgender studies is offered by the Committee on Lesbian, Gay, Bisexual, and Transgender Studies, administered through the College of Public Programs. Advising is provided through University College. Lesbians, gay men, bisexuals and transgendered (LGBTQ) people play important roles as colleagues, clients, parents, children, siblings, neighbors, employees, employers, religious leaders and friends. Given the increasing visibility and changing political climate for LGBTQ people in the United States, all students, not only those who identify themselves as gay, lesbian, bisexual or transgender, are served well by learning about the histories, communities and contemporary social issues regarding people from LGBTQ backgrounds.

The educational experience is enhanced when students are introduced to complex intersections between and among sexual, racial, ethnic, religious, geographic and national identities. The philosophy of this certificate program is to promote intellectual and pedagogical diversity as one of the university's greatest assets, in part by instilling in students sensitivity to cultures different from their own, but also through careful analysis of the self in historical, artistic and sociocultural contexts. The goals of the certificate program are to give students:

- Knowledge about the history, evolution of and current issues facing the LBGTQ community.
- Practical experience in utilizing course work knowledge in the community through an internship or community service project.
- Theoretical perspectives on heterosexuality as a presumptive sexual identity.
- An understanding of lesbian, gay, bisexual and transgender studies as an academic area of inquiry.
- An understanding of community politics, dynamics and conflicts.
- Use-inspired education that culminates in a public presentation.

Program Requirements: The certificate requires 15 credit hours; a minimum of 12 must be upper division. The two required courses are 1) Introduction to Lesbian, Gay, Bisexual, and Transgender Studies, and 2) the capstone experience. The remaining nine hours are electives from an approved list.

Enrollment Requirements: Please contact University College or visit the college's website for more information.

Contact Information:

Public Programs, College of

College of Public Programs

<https://sls.asu.edu/lgbt/>

UCENT 300

480-965-4464

Medieval and Renaissance Studies Certificate (LAMRSCERT)

Campus: TEMPE

Description: In order to reflect the interdisciplinary nature of the field, the Arizona Center for Medieval and Renaissance Studies (ACMRS) has established a certificate program for undergraduate students in medieval and Renaissance studies.

The program provides students the opportunity to take classes from several disciplines and to receive training in both Latin, the international language of the periods, and for graduate students, paleography, the study of the physical medium through which Latin and other languages were transmitted. Obtaining the certificate prepares undergraduate students for advanced study, and it augments the skills and knowledge necessary for graduates to succeed in academic positions in their field.

Program Requirements: In addition to the course work and examinations required in a student's major field of interest, the following minimum requirements must be fulfilled to earn the certificate:

- 1) Six credit hours of classical Latin
- 2) Six credit hours of Latin (classical and/or medieval) or of a vernacular language of the period (e.g., Old English, Old Norse, Old French, Renaissance Italian)
- 3) Six credit hours of course work in medieval and Renaissance studies outside the major discipline.
- 4) Students must also complete a thesis, writing within the major on a topic concerning the Middle Ages or Renaissance. Students may earn three credit hours of independent study for the thesis. The thesis may be used to fulfill the Honors College thesis requirement for students enrolled in Barrett, the Honors College.
- 5) A minimum of a "C" (2.0) average is required in all course work leading to the certificate.

Enrollment Requirements: Any student admitted to study at ASU may complete a certificate. Please contact ACMRS for more information: <http://acmrs.org/academic-programs/certificate> (<http://acmrs.org/academic-programs/certificate>).

Contact Information:

Liberal Arts & Sciences, College of
Dean, College of Liberal Arts and Sciences
<http://acmrs.org/academic-programs/certificate>
COOR 4432
acmrs@asu.edu
480-965-8097

Nonprofit Leadership and Management: American Humanics Certificate (PPNPYCERT)

Campus: DTPHX

Description: The certificate program in nonprofit leadership and management American humanics provides education and preparation for leadership and management positions in professional affiliation and certification as a certified nonprofit professional by American Humanics, Inc. The program features professional affiliation with and certification by American Humanics, Inc., the nation's leader in education for nonprofit careers. American Humanics collaborates with a number of nonprofit organizations, including:

- American Red Cross.
- America's Second Harvest.
- AmeriCorps.
- Big Brothers Big Sisters.
- Boys and Girls Clubs.
- Boy Scouts of America.
- Camp Adventure.
- Camp Fire U.S.A.
- Corporation for National and Community Service.
- Girls Inc.
- Girl Scouts of the U.S.A.
- GuideStar.
- Junior Achievement.
- March of Dimes.
- National 4-H Council.
- National Urban League.
- Opportunity Knocks.org.
- Points of Light Foundation.
- The ARC.

- The Humane Society of the United States.
- United Way of America.
- Volunteers of America.
- YMCA of the USA.

Program Requirements: The program includes active participation by nonprofit professionals who offer workshops, seminars, mentoring and field trips. American Humanics national certification can be earned in conjunction with any bachelor's.

Required courses (30)

NLM 220 Introduction to Nonprofit Organizations (3)
 NLM 300 Fund Raising and Resource Development (3)
 NLM 310 Volunteer Management (3)
 NLM 320 Professional Development Seminar (4) (one credit each, over four semesters)
 NLM 420 American Humanics Institute (2)
 NLM 430 Managing Nonprofit Organizations (3)
 NLM 463 Senior internship (12)

Enrollment Requirements: Applications for the American Humanics certificate are available through the School of Community Resources and Development academic advisors and the American Humanics program coordinator.

- Thirty hours of graded course work.
- A minimum "C" (2.00) grade required for all classes in the certificate.
- A minimum GPA of 2.00 for those pursuing the certificate.
- Must be a junior to take 400-level courses.

Contact Information:

Public Programs, College of
 School of Community Resources and Development
<http://scrd.asu.edu>
 UCENT 550
 scrd@asu.edu
 602-496-0550

Oral History Certificate (ASOHCCERT)

Campus: WEST

Description: The oral history certificate in the New College of Interdisciplinary Arts and Sciences introduces students to the interdisciplinary theories and methods of oral history that enable scholars, students and practitioners to collect, document and preserve the stories and memories of people's lives. The certificate will train students to acquire critical knowledge and applied skills and to abide by the professional standards involved in oral history documentation, research and presentation. Students in the program may build on existing projects or develop new community relationships at local, national and international levels. Consistent with ASU's mission and New College goals, the certificate fosters an understanding and appreciation of diverse cultures, past and present, and engages students in socially embedded and ethical practices in oral history research and interviewing.

Program Requirements: Students must meet with the program academic advisor to review the requirements and sign the certificate check sheet. The student should also consult an academic advisor in the college or department of his or her major to make sure the college or department recognizes the certificate. All course work in the program must be completed with a grade of "C" (2.00) or higher. A total of 18 credit hours is required.

Residency Requirement

Of the 18 upper-division credit hours required for the certificate, 12 credit hours must be completed at ASU.

Core Requirements (6)

AMS 498 Pro-Seminar (3)

ETH 310 Critical Research Methods (3)

Additional Requirements (12)

The course bank includes upper-division courses offered across the university. Students may choose from the following prefixes, upon approval by appropriate faculty or advisor:

- American Studies (AMS)
- English (ENG)
- Ethnicity, Race and First Nations Studies (ETH)

- History (HST)
- Interdisciplinary Arts and Performance (IAP)
- Integrative Studies (IAS)
- Philosophy (PHI)
- Religion (REL)
- Sociology (SOC)
- Spanish (SPA)
- Women and Gender Studies (WST)

Recommended courses

COM 346 Oral History and Storytelling (3)
 ENG 317 Cross-Cultural Writing (3)
 ENG 376 Writing a Personal History (3)
 ENG 377 Editing Family History for Public Audiences (3)
 ENG 394 Scriptwriting
 ENG 412 Creative Nonfiction (3)
 ENG 476 Studies in Folklore (3)
 IAP 331 Performance, Acting, and the Individual (3)
 IAP 364 Documentaries
 SOC 389 Ethnographic Field Lab (3)
 WST 370 Chronicling Women's Lives (3)
 WST 473 Latina/Chicana Representation (3)

Enrollment Requirements: The certificate in oral history is open to any student admitted to study at Arizona State University. The certificate program is also available for graduate students, non-degree students and students majoring in professional programs. Contact advisors in the Division of Humanities, Arts and Cultural Studies for admission to the certificate program.

Contact Information:

Interdisciplinary Arts & Sciences, New College of
 School of Humanities, Arts, and Cultural Studies
<http://newcollege.asu.edu/harcs/degrees/certificates/oralhistory>
 FAB N201
 harcs.dept@asu.edu
 602-543-4444

Philosophy, Politics and Law Certificate (HOPPLCERT)

Campus: TEMPE

Description: Students enrolled in Barrett, the Honors College may pursue the certificate in philosophy, politics and law. This interdisciplinary program affords an opportunity to engage in a focused program of study that brings analytical rigor to bear on the philosophical issues involved in law and politics.

Program Requirements: The concentration comprises six courses (18 credit hours), two of which are offered through Barrett. One of these courses, normally taken in the student's second year at ASU, is a seminar on law, justice and morality (HON 310). The second course is a junior-senior seminar on theories of justice, or a related topic in philosophy, politics and law, that entails an extended paper (HON 410). The remaining four courses must be approved by the philosophy, politics and law council and selected from courses regularly offered in philosophy, political science and other areas.

Enrollment Requirements: Students must be in good standing with Barrett, the Honors College or be admitted upon nomination by a member of the philosophy, politics and law faculty and approval by the philosophy, politics and law council. Please contact Barrett for more information.

Contact Information:

Honors - Barrett, The Honors College
 The Barrett Honors College
<http://barrethonors.asu.edu/academics/honors-courses-and-contracts/philosophy-politics-and-law-certificate/>
 SGHAL110
 480-965-4033

Philosophy, Rhetoric and Literature Certificate (ASPRLCERT)

Campus: WEST

Description: The certificate in philosophy, rhetoric and literature, within the New College of Interdisciplinary Arts and Sciences, is an

interdisciplinary program that works across the humanities by examining philosophical approaches to literary studies, disputes between rhetoric and philosophy, and rhetorical elements of literature and theory. The certificate will enable students to explore where and how the boundaries among philosophy, rhetoric and literature are constructed, maintained and changed. This certificate is transdisciplinary and aimed at integrating Continental philosophy (including philosophy of religion), critical theory (both in its broader origins within literary cultural studies and its historically specific genealogy from the Frankfurt School), rhetoric, literary criticism, aesthetics and communication. This certificate will prepare students in the humanities, social and behavioral sciences and the arts for lifelong learning, advanced study in a variety of fields and successful careers in an increasingly diverse society.

Program Requirements: The program is open to any student admitted to study at Arizona State University. A certificate in philosophy, rhetoric and literature is awarded for successful completion of 18 upper-division credit hours of course work:

- One course in rhetoric (3)
- One course in Continental philosophy (see core requirements) (3)
- Twelve elective credit hours from the approved course list in philosophy, rhetoric and literature (6 credit hours from pool A and 6 credit hours from pool B)

All elective course offerings from the course bank will be regularly updated and overseen by the facilitators of the certificate program. Students must meet with the program academic advisor to review the requirements and sign the certificate check sheet. The student should also consult an academic advisor in the college or department of his or her major to make sure the college or department of the major recognizes the certificate. All course work in the program must be completed with a grade of B (3.00) or higher.

Of the 18 upper division credit hours required for the certificate, 12 credit hours must be completed at ASU.

I. Core Requirements (6 credit hours)

Rhetorical Perspectives (3 credit hours from the approved course list in philosophy, rhetoric and literature):

COM 321 Rhetorical Theory and Research

ENG 472 Rhetorical Studies

ENG 494 Rhetoric, Literature and Poetics

ENG 394/494 Special Topics*

Philosophical Perspectives (3 credit hours from the approved course list in philosophy, rhetoric and literature):

PHI 394/REL 394 Studies in Contemporary Continental Philosophy

PHI 494/REL 494 Continental Philosophy and Religion

PHI 494/REL 494 Philosophy and Literature

PHI 494/REL 494 Studies in Critical Theory

II. Electives (12 credit hours, 6 credit hours each from pools A and B)

Electives come from the course bank of approved courses for philosophy, rhetoric and literature.

Pool A (6 credit hours):

ENG 400 History of Literary Criticism

ENG 401 Topics in Critical Theory

ENG 421 Studies in Shakespeare

ENG 431 Whitman and Dickinson

ENG 440 Studies in American Literature and Culture

ENG 450 The British Novel

ENG 454 Gender and Literature

ENG 461 Studies in Women and Literature

ENG 472 Rhetorical Studies

ENG 478 Modernist Literature

ENG 479 International Postmodern Literature

ENG 494 Rhetoric, Literature and Poetics

ENG 494 Special Topics: The Postcolonial Novel

ENG 394/494 Special Topics*

HON 394/494 Special Topics*

IAP 310/IAS 310 Women in Art

IAP 371 Verbal Art

IAP 372 The Critical Artist

IAP 472 Theories of Arts and Performance

IAP 471 Language, Culture, and Performance

IAP 473 Aesthetic Research

Pool B (6 credit hours):

COM 321 Rhetorical Theory and Research

COM 324 Rhetoric and Media Criticism

COM 421 Rhetoric of Social Issues

COM 429 Semiotics and Visual Communications

COM 394/494 Special Topics (taught by current faculty in PRL or from the approved course topics in philosophy, rhetoric and literature)

PHI 324/IAS 324 Existential Ethics
PHI 391 Historical Perspectives on Philosophy and Religion
PHI 394/REL 394 Love in Philosophy
REL 300 Thinking, Writing & Research in Religion and Applied Ethics
REL 301 Comparative Mysticism
PHI 304 Existentialism
PHI 308 Philosophy of Art
REL 314 Jewish Philosophy
REL 345 Asian Religious Traditions
REL/WST 390 Women and Religion
REL 405 Problems in Religious Studies

Enrollment Requirements: The certificate in philosophy, rhetoric and literature is open to all undergraduate majors. Students wishing to pursue the certificate should consult an academic advisor in the unit offering the certificate to ensure the appropriate set of courses is taken and required paperwork submitted.

Contact Information:

Interdisciplinary Arts & Sciences, New College of
School of Humanities, Arts, and Cultural Studies
<http://newcollege.asu.edu/harcs/degrees/certificates/prl>
FAB N201
newcollegePRL@asu.edu
602-543-4444

Public Administration and Public Management Certificate (PPPAFCERT)

Campus: DTPHX

Description: The certificate in public administration and public management prepares students for citizenship, leadership and careers in governmental and nonprofit agencies. Students will learn the context and principles of public administration and how to apply these in a practitioner setting; the role of the public administrator in the design, implementation and evaluation of public policy; and how to lead change and address ethical issues in public service. It is designed for undergraduate students who are interested in developing leadership skills or wish to enhance their degree in an existing major at ASU, working adults who may wish to further their education yet may not be looking for a degree program, or B.I.S. students who seek to combine certificates with their degree.

The program is designed for students interested in public service who want to learn skills to:

- Analyze critical issues.
- Build and bridge communities.
- Deliver and manage public programs.
- Improve the quality of life.
- Lead change in public policy.
- Provide public safety.
- Preserve natural resources.
- Reform welfare.
- Strengthen democratic governance.

Program Requirements: The certificate in public administration and public management consists of 15 credit hours of course work. Students take 12 hours of core classes and three hours of elective courses. The three hours of elective course work may be selected from an approved list of elective classes, taken upon the recommendation of the department.

Core Courses

PAF 300 Public Management and Public Administration
PAF 340 Public Management and Policy
PAF 420 Public Leadership
PAF 460 Public Service Ethics

Enrollment Requirements: There are different application requirements, depending on the student's enrollment status with ASU. Students are also encouraged to schedule an appointment with the undergraduate academic advisor in the School of Public Affairs.

Undergraduate Students Currently Enrolled at ASU

Current students interested in earning the certificate must complete a request to add an undergraduate certificate and return it to the undergraduate academic advisor in the School of Public Affairs at the University Center on the Downtown Phoenix campus. Students may begin taking courses before they formally register for the certificate; however, they are encouraged to complete the paperwork as soon as possible. Download application from <http://students.asu.edu/node/1993> (<http://students.asu.edu/node/1993>).

Individuals Not Currently Enrolled at ASU

Individuals who are not currently enrolled as students at Arizona State University must complete an application to enroll as a nondegree-seeking student before they may begin taking courses. For information on admissions and to complete an application, visit the university's nondegree student admission page at <http://students.asu.edu/non-degree-student-admission> (<http://students.asu.edu/non-degree-student-admission>). Once students have been admitted, they are eligible to enroll in courses to complete the certificate program.

Contact Information:

Public Programs, College of
School of Public Affairs
<https://spa.asu.edu/programs/undergraduate/pmgt>
UCENT 400
spa@asu.edu
602-496-0450

Religion and Conflict Certificate (LARELCERT)

Campus: TEMPE

Description: The certificate may be of particular interest for students pursuing careers in journalism, law, policy work, diplomacy, the military, public advocacy, publishing, education, ministry or other fields in which an enhanced understanding of religion and conflict is increasingly vital.

Program Requirements: Students must complete 18 credit hours of qualifying course work (at least 12 credit hours from ASU and a minimum of 12 upper-division credit hours), consisting of regional, political and cultural components. To ensure that students are exposed to a wide variety of approaches to the study of religion and conflict, an interdisciplinary component requires that at least six of the 18 credit hours be fulfilled with courses from the humanities and at least three credit hours from the social sciences. In many cases, the same course can be used to fulfill several component requirements simultaneously.

- **Regional component (six credit hours):** Courses in this category provide students specific regional knowledge of how religion has been implicated in human conflict. Required course work in at least two different regions fosters a comparative understanding of the dynamics of religion and conflict in historical and global contexts.
- **Political component (three hours):** Courses in this category explore how religion influences, or is influenced by, matters of state, law, government or other dimensions of political life.
- **Cultural component (three credit hours):** Courses in this category provide students with an understanding of how religion operates as a powerful force that impacts and intersects with expressions of human identity, thought and culture.
- **Electives (six credit hours):** Any approved/qualifying course (either from the above categories or other approved classes) may be used as an elective to fulfill remaining requirements toward the total number of credit hours and to meet the interdisciplinary requirement.
- **Of the total 18 credit hours taken to fulfill the certificate, at least three must be from the social sciences (SOC, POS, SGS or WST) and six from the humanities (ARB, HST, POR or REL).**

Religion and Conflict Course Offerings

A minimum grade of "C" (2.00) is required for a course to fulfill a certificate requirement. For a current list of approved courses, see the Center for the Study of Religion and Conflict website.

Enrollment Requirements: Any student admitted to study at ASU may complete a certificate. To apply to the university, please complete the Office of Admissions online application. Students wishing to pursue the certificate must 1) complete enrollment documents located in the student portal on the Center for the Study of Religion and Conflict website, and 2) formally declare the certificate with the assistant director of academic services in the School of Historical, Philosophical & Religious Studies Advising Center. For questions about the program, contact the certificate director in the Center for the Study of Religion and Conflict.

Contact Information:

Liberal Arts & Sciences, College of
Historical, Philosophical & Religious Studies, Sch
<http://www.csrc.asu.edu/>
WHALL 130
csrc@asu.edu
480-965-7187

Russian and East European Studies Certificate (LAREECERT)

Campus: TEMPE

Description: The certificate in Russian and East European studies encourages students to develop special competency in Russian or East European languages and area studies. Course work leading to the certificate is offered in agribusiness, architecture, biology, economics, Eurasian languages (Armenian, Tajik, Tatar, and Uzbek), geography, history, international business, music, political science, religious studies, Slavic and East European languages (Albanian, Bosnian/Croatian/Serbian, Macedonian, Polish, Romanian, and Russian) and sociology and women's studies, but the certificate program is open to all students, regardless of major.

Certificate holders enhance their prospects for study abroad fellowships, graduate admissions and also qualify for unique entry-level government employment opportunities. Past certificate awardees have moved into positions of leadership in government, academia and the private sector.

Program Requirements: The requirements for the Russian and East European studies certificate comprise 1) three years (22 credit hours) of Russian or another Eurasian or East European language, and 2) 30 credit hours (at least 24 upper-division credit hours) in Russian, East European and Eurasian area-related course work.

At least three disciplines must be represented in the area-related course work, and at least 12 credit hours must be outside the School of International Letters and Cultures (i.e., non-RUS, SLC, and SLV courses). Fulfillment of these requirements is certified by the Melikian Center for Russian, Eurasian and East European Studies and is recognized on the transcript as a certificate in Russian and East European studies. The purpose of this undergraduate certificate program is to encourage students majoring in a chosen discipline to develop special competency in Russian, Eurasian or East European languages and area studies. A student with a major in any school or department may pursue this certificate.

Enrollment Requirements: Any student admitted to study at ASU may pursue a certificate program. In order to apply to study at ASU, complete the Office of Admission online application. Please contact the Melikian Center for more information.

Contact Information:

Liberal Arts & Sciences, College of
Dean, College of Liberal Arts and Sciences
<http://melikian.asu.edu/>
COOR 4448
melikiancenter@asu.edu
480-965-4188

Small Business and Entrepreneurship Certificate (BASMBCERT)

Campus: TEMPE

Description: Students learn how to launch their own business or work with small or startup operations. Courses include small business, entrepreneurship and business plan development. Classroom work is complemented by frequent interaction with successful founders and leaders of entrepreneurial ventures.

Program Requirements: This certificate in small business and entrepreneurship is available only to business majors at ASU. The certificate requires 15 credit hours of classes, including the following six credit hours:

MGT 440 Entrepreneurship (3)

MGT 445 Business Plan Development (3)

The remaining nine credit hours consist of three additional upper-division courses relevant to small business. A copy of the approved electives for business majors pursuing the certificate in small business and entrepreneurship is available in the undergraduate programs office, BA 109. To receive the certificate, students must complete the specified business courses with a grade of "C" (2.00 on a scale of 4.00) or higher.

Enrollment Requirements: Students need to complete an application, which is available online or in BA 109. Please contact the department for more information and also see <https://wpcarey.asu.edu/smallbusiness> (<https://wpcarey.asu.edu/smallbusiness>), then click on the embedded link "course requirements for the Small Business and Entrepreneurship Certificate."

Contact Information:

Business, W. P. Carey School of
Dean, W.P. Carey School of Business
<https://wpcarey.asu.edu/smallbusiness>
BA 109
wpcareyug@asu.edu
480-965-4227

Social Transformation Certificate (LASOTCERT)

Campus: TEMPE

Description: The undergraduate certificate in social transformation introduces students to the ways in which social change is catalyzed by social movements, social entrepreneurship, social innovation, protest, law, activism and organizing. Students enrolled in the certificate learn how diverse communities locally and globally have achieved social change, understand theories of social transformation, and consider how to apply what they have learned about social transformation and transformational knowledge to the social problems facing communities today. The course work provides comparative, transdisciplinary and socially engaged frameworks within which to understand local and global mobilization, including, but not limited to, civil rights movements, labor movements, democracy movements, movements for global justice and movements for gender equality. Students learn how communities that have traditionally been institutionally marginalized have successfully mobilized to achieve institutional, political, cultural and economic change.

Program Requirements: Certificate Requirements

Students pursuing the certificate must complete 15 hours of course work, at least 12 hours of which must be from ASU.

A minimum grade of "C" (2.00) is required for a course to count toward the certificate. The same course may be used to satisfy multiple graduation requirements.

There are no language requirements.

Required Certificate Courses

There will be two required courses:

- A lower division course, SST 200 Introduction to Social Transformation.
- An upper division capstone internship or independent study, SST 484 Internship or SST 499 Individualized Instruction.

Certificate Elective Courses

In addition to the two required courses, certificate students must take three upper division courses, or 9 credit hours, related to social transformation and transformational knowledge. These courses may be chosen from the following course list. Additional related courses can be applied to the certificate with advisor approval.

AFS 355 Democracy and Civil Society in Africa

AFH/WST 364 Unruly Voices Black Women and Cultural Narratives, C

AFR 394 Race, Ethnicity and Politics

AFS 415 Black Political Thought and the Limits of Liberal Democracy, SB, G, H

AFS 494 Topic Effective Methods for Social Transformation

AFS 470/WST 471 Women's International Human Rights

AFS 325 Music as Political Discourse Reggae, Calypso, and Hip Hop

AIS 394 Innovation for American Indian Sustainability

APA/AFS 394 Race, Space and Production of Inequality

APA/AFS 394 Topic Social Movements and Intercultural Coalitions

APA 394 Inequality and Diversity in Education

COM 312 Communication, Conflict and Negotiation

COM 341 Social Context for Performance

ENG 371 Rhetoric of the Environmental Movement

ENG 333 Ethnic American Literature, L or HU, C

ENG 367 Environmental Issues in Literature and Film, L or HU

HDA 494 Public Practice Engagement & Community

HST 306 The Civil Rights Movement, HU or SB, H

HST 354 Revolutionary Europe, SB, H

HST 498 Pro-Seminar Segregation and Desegregation in US History and Law, L

JUS 320 Community and Social Justice, SB, C

JUS 321 Wealth Distribution and Poverty, SB, C

JUS 350 Immigration and Justice, SB, C

JUS 375 Justice and Mass Media, SB

JUS 394 Black Political Movement

JUS 394 Cyberpolitics

JUS 394 Prison Social Movements

JUS 430 Social Protest, Conflict and Change, L or SB, C

JUS 444 Environment and Justice, L, C

JUS 460 Feminism and Justice, C

JUS 474 Legislation of Morality

JUS 497 Honors Colloquium Social Enterprise Innovation and Justice

MHL 494 Music and Movement in Hip Hop Culture

MHL 494 Urban Movement Practices

NLM 410 Social Entrepreneurship

REL 379 Religion, Nationalism and Ethnic Conflict, HU, G

REL 482 Religion, Violence and Conflict Resolution

REL 494 Topic Inquiry into Religion and Conflict

SOC 352 Social Change, SB, G, H

TCL 340 Chicana/o and Latina/o Politics, L, C

TCL 341 Policy Issues in Chicana/o and Latina/o Urban Settings, C

THP 482 Theatre for Social Change, C

URB 405 Citizen Engagement and Community Building

WST 375 Women and Social Change, SB, C
WST 377 History of Feminist Thought, H, C
WST 378 Global Feminist Thought, L, C, G
WST 380 Gender, Race and Class, SB, C
WST 394 Topic Women, Power and Leadership

Contact Information:

Liberal Arts & Sciences, College of
School of Social Transformation
<http://sst.clas.asu.edu/>
WILSN 125

480-965-7682

Socio-Legal Studies Certificate (LASLSTCERT)

Campus: TEMPE

Description: The undergraduate certificate in socio-legal studies offers a model for educating and training students in the study of legal ideas, institutions and practices from the perspectives of the social sciences, law, and the humanities. The distinction between law "on the books" and law "in action," which refers to how people experience law in their everyday lives, is a cornerstone of the certificate program. Course work provides students with multiple and intersecting theoretical and methodological approaches that reveal law as a socially embedded system of loosely connected institutions, practices, presumptions and rules. Students participating in the certificate program will learn how to apply these socio-legal tools of analysis to their study of law in action.

Program Requirements: The certificate consists of four components to ensure students develop a broad understanding of socio-legal studies. Foundational courses in socio-legal theories (three credits) and in legal institutions (three credits) will be required. Students will then have the option of selecting three electives (nine credits) from a set of approved courses, providing flexibility so that they may pursue an individualized course of study. Additional courses beyond those listed on this proposal may be added with approval of the certificate director. Finally, a three credit experiential learning component will be required, for a total of 18 credit hours, of which a minimum of 12 hours must be upper division. This may be an internship within the U.S. or abroad, or a research experience under the guidance of a member of the socio-legal studies certificate faculty. Please consult the certificate program advisor for a list of approved courses in each area.

Enrollment Requirements: Students who have attained junior standing (56 credit hours) in any undergraduate degree program at ASU are eligible for admission to the certificate in socio-legal studies. There are no formal admissions procedures, but students should contact the certificate in socio-legal studies program director or advisor as soon as they decide to pursue the certificate.

Contact Information:

Liberal Arts & Sciences, College of
School of Social Transformation
<http://justice.clas.asu.edu>
WILSN 125

justiceinfo@asu.edu

480-965-7682

Southeast Asian Studies Certificate (LASALCERT)

Campus: TEMPE

Description: The certificate in Southeast Asian studies can supplement a bachelor's, demonstrating knowledge of a Southeast Asian language and knowledge of Southeast Asian history, art, culture and society.

This certificate prepares students for admission to graduate programs in Southeast Asian-area studies or in an academic discipline with a focus on Southeast Asia, or for advanced programs in international law, journalism, business or other professional fields.

Recent graduates have gone on to enter medical school, M.B.A. programs and doctoral programs. An earned certificate will appear on student transcripts as a Southeast Asian studies emphasis.

Program Requirements: The certificate requires a simultaneous two-year sequence in a Southeast Asian language (Indonesian, Thai or Vietnamese) and 18 credit hours, of which a minimum of 12 credit hours must be upper division, including the three courses listed below plus two electives (selected from an approved list) and a 3-credit capstone project.

ASB 325 Peoples of Southeast Asia

ASB/GCU/HST/POS/REL 240 Introduction to Southeast Asia

HST 391 Modern Southeast Asia

Enrollment Requirements: A certificate in Southeast Asian studies is available to any undergraduate student. There are no specific admission requirements other than a student's desire to learn about Southeast Asia. A minimum grade of "C" (2.00) is required for each course that is used to fulfill the certificate requirements. Please contact the School of Historical, Philosophical & Religious Studies Advising Center for more information.

Contact Information:

Liberal Arts & Sciences, College of
Dean, College of Liberal Arts and Sciences

COOR third floor Advising Center
SHPRSadvising@asu.edu
480-965-8364

Spanish for the Professions Certificate (LSSPPRFCER)

Campus: DTPHX

Description: The series of courses in this 18-credit-hour certificate will help students hone Spanish communication skills and cultural knowledge, to serve the needs of the U.S.-Latino community in professional settings (i.e., education, social work, health care, criminology, journalism). This program is only offered on the ASU Downtown Phoenix campus and is open to current ASU students as well as members of the community. The combination of professionally focused courses and practical experience in this certificate will enhance students' professional skills in positions that require advanced proficiency in Spanish and in-depth understanding of U.S.-Latino culture.

Program Requirements: Pre-requisite: SPA 314/316 or permission of instructor.

SPA 494/401
SPA 494/402
SPA 494/403
SPA 494/404
SPA 494/405
SPA 484/SPA 499*
Internship or Independent Study

*Pre-requisite: A minimum of 12 credit hours completed in this certificate and permission of the instructor.

All courses for this certificate will require a minimum grade of "C" (2.00) or better to get credit toward fulfilling minor requirements.

Enrollment Requirements: For additional admission and registration requirements, please visit the school's website.

Contact Information:

Letters & Sciences, School of
School of Letters & Sciences
<http://sls.asu.edu/>
UCENT 300
sls@asu.edu
602-496-4000

Special Events Management Certificate (HSRTMUERT)

Campus: DTPHX

Description: The special events management certificate is a career enhancement program offered to nondegree-seeking students or those who already have a degree from an accredited university in any major, or students currently pursuing a bachelor's in any major.

Program Requirements: The certificate requires 18 credit hours, 15 credit hours of required core courses and three credits of electives. Courses taken as part of a university major may count toward that degree and the certificate. To earn the certificate, students must complete all course work in the certificate with a minimum grade of "C" or better. An application to the program is required.

Required core courses (15)

PRM 422 Entertainment, Protocol and Programming for Special Events (3)
PRM 423 Special Event Operations and Site Design (3)
PRM 427 Revenue Generation for Special Events Management (3)
PRM 486 Special Events Management (3)
PRM 488 Event Marketing and Promotion (3)

Elective courses (3)

NLM 220 Introduction to Nonprofit Organizations (3)
PRM 368 Sports Management (3)
PRM 470 Environmental Interpretation and Education (3)
PRM 475 Entrepreneurial Recreation and Tourism (3)
PRM 487 Special Events Management Advanced (3)
PRM/TDM 301 Sustainable Communities (3)
NLM 310 Volunteer Management (3)
TDM 205 Introduction to Travel and Tourism (3)
TDM 350 Tourism Marketing (3)
TDM 345 Meeting and Convention Planning (3)
TDM 448 Heritage and Cultural Tourism (3)

Standards

- Eighteen hours of graded classroom coursework (no internship, no independent study).
- A minimum "C" (2.00) grade required for all classes in the certificate.
- A minimum GPA of 2.00 for those pursuing the certificate.
- Must be a junior to take 400-level courses.

Enrollment Requirements: Student wishing to pursue the special events management certificate should consult with an academic advisor in the School of Community Resources and Development. For additional information, please visit the official website.

Contact Information:

Public Programs, College of
School of Community Resources and Development
<http://scrd.asu.edu>
UCENT 500
scrd@asu.edu
602-496-0550

Speech-Language Pathology Assistant Certificate (LASLPACERT)

Campus: TEMPE

Description: The Speech-Language Pathology Assistant (SLPA) certificate prepares students to work with individuals with communication disorders under the direction of a speech language pathologist (SLP). Students majoring in speech and hearing science or persons already holding a bachelor's in speech and hearing science receive additional course work and clinical training to be eligible for SLPA licensure and for positions working under the direction of an SLP in schools, clinics and rehabilitation agencies that provide speech and language services.

Program Requirements: The SLPA certificate includes 15 credit hours of course work and clinical internships completed in conjunction with the bachelor's in speech and hearing science. The student must take SHS 402, 473 and 483 and complete two internships of clinical practice (SHS 484). Twelve of the 15 credit hours for the SLPA certificate must be completed at ASU. A minimum grade of "B-" is required for a course to count toward the certificate.

Enrollment Requirements: Students who have completed 15 credit hours in speech and hearing science course work with at least a 2.75 grade point average in those courses are eligible to apply. Applications will also be accepted from students who have completed a bachelor's in speech and hearing science or communication disorders from a program accredited by the American Speech-Language-Hearing Association (ASHA), providing their grade point average in the major was at least 2.75. Please contact the Department of Speech and Hearing Science for more information.

Contact Information:

Liberal Arts & Sciences, College of
Department of Speech and Hearing Science
<http://shs.asu.edu/slpa>
COOR 2211
shsinfo@asu.edu
480-965-2374

Symbolic Systems Certificate (LAPHICERT)

Campus: TEMPE

Description: The symbolic, cognitive and linguistic systems certificate takes an interdisciplinary approach to the symbolic representation and

processing of information. Course work covers three areas:

- Human cognition and theories of mind.
- Philosophy of language and linguistics.
- Computing and logic.

Certificate course work exposes students to the subject matter from conceptual, empirical and practical points of view. The certificate may interest students who wish to add breadth to their degree through work in a variety of majors, including:

- Computer Science.
- Linguistics.
- Mathematics.
- Philosophy.
- Psychology.

The certificate takes an interdisciplinary approach to cognition, computation and meaning. Course work is focused around three thematic areas in order to expose students to the subject matter from a conceptual, empirical and practical point of view:

- Cognitive systems.
- Linguistic systems.
- Symbolic systems.

Although some suggested courses have prerequisites, the breadth of disciplinary course options make it likely that many students will find they have already completed necessary prerequisites in the course of completing their chosen major or minor.

Program Requirements: The certificate in symbolic, cognitive and linguistic systems consists of 18 credit hours approved by an academic advisor in the School of Historical, Philosophical and Religious Studies. Students must complete at least one computer science and engineering (CSE) course and at least one philosophy course, preferably PHI 333. Fifteen credit hours are chosen from the following, with at least course required from each area:

- Cognitive systems.
- Linguistic systems.
- Symbolic systems.

Since some of the approved courses in each area have special prerequisites, students should plan their certificate course work carefully. With written approval from the director of undergraduate studies, one substitution of a course from outside the approved list may be made. At least 12 of the 18 credit hours must be upper division and all courses must be passed with a minimum grade of "C" (2.00).

Enrollment Requirements: Any student admitted to study at ASU may complete a certificate. To apply to the university, please complete the Office of Admissions online application. Please contact the School of Historical, Philosophical & Religious Studies advising center for more information.

Contact Information:

Liberal Arts & Sciences, College of
Historical, Philosophical & Religious Studies, Sch
http://shprs.clas.asu.edu/symbolic_systems
COOR third floor Advising Center
SHPRSadvising@asu.edu
480-965-8364

Teaching English to Speakers of Other Languages (TESOL) Certificate (LATESLCERT)

Campus: TEMPE

Description: The TESOL undergraduate certificate consists of a coherent set of courses that are related to teaching English to speakers of other languages. This certificate is designed for students who are interested in teaching English as a foreign language (EFL). It will also be a good preparation for students who want to later pursue graduate studies in the MTESL program at ASU or in a similar program at another institution. Note that this certificate does not certify students to teach in Arizona public schools (K-12).

Program Requirements: Any student admitted to ASU can elect to complete the certificate program. Interested students should approach the TESOL certificate coordinator, a faculty member supervising the program, to discuss whether they could complete the 18 credits of the program as well as decide on the electives they would like to take. To complete the certificate, students must complete 18 credit hours with a minimum grade of "C".

Twelve of these credits will come from upper-undergraduate classes.

A minimum residency requirement: All courses must be ASU credit.

Required classes (12 credit hours)

ENG 213: Introduction to the study of language

ENG 404: A course in SLA Theory

ENG 404: A course in TESOL Methods

ENG 484: Internship

Electives (6 credit hours)

One ENG 404 course with a different topic; and one course such as ENG 214, ENG 313, ENG 314, ENG 312, ENG 413 or others approved by the advisor.

Contact Information:

Liberal Arts & Sciences, College of
Department of English
<http://english.clas.asu.edu/uprograms>
LL 542
englishadvising@asu.edu
480-965-3168

Technical Communication Certificate (LSTECCERT)

Campus: DTPHX

Description: Through the technical communication program, students learn how to produce, design and manage information, using traditional and developing technologies.

Program Requirements: The undergraduate certificate requires 18 hours. The following courses are required:

TWC 301 General Principles of Multimedia Writing

TWC 401 Principles of Technical Communication

Choose one of the following courses:

TWC 411 Principles of Visual Communication

TWC 421 Principles of Writing with Technology

TWC 431 Principles of Technical Editing

Choose three other 400-level TWC courses, of which at least two must be genre or information courses, such as TWC 443 Proposal Writing or

TWC 452 Information in the Digital Age.

Enrollment Requirements: The certificate is available to all admitted undergraduate students (regular or nondegree) at ASU. Once students have been admitted, they are eligible to enroll in courses to complete the certificate program. Applications are accepted throughout the year.

Please contact the school for more information.

For U.S. Department of Education Gainful Employment Program Disclosure information, see

http://catalog.asu.edu/files/shared/GE_Disclosure_ECTWCCERT.pdf (http://catalog.asu.edu/files/shared/GE_Disclosure_ECTWCCERT.pdf).

Contact Information:

Letters & Sciences, School of
School of Letters and Sciences
<http://sls.asu.edu/>
SANCA 233
sls@asu.edu
480-727-1526

Technology Entrepreneurship Certificate (ESTNECERT)

Campus: TEMPE

Description: Engineers and scientists around the globe launch high-tech companies to move their ideas to the market. Studies show that the majority of innovative products and services in the economy evolve from entrepreneurial ventures. By providing knowledge and skills important to the creation and leadership of such startups, the certificate program in technology entrepreneurship aims to train the founders and leaders of tomorrow's high-tech ventures. The certificate program is designed specifically for engineers. Courses are approached from the perspective of the student whose primary interest is in technological innovation, whose primary concentration is engineering and who has little or no prior business education.

Program Requirements: This 15-credit-hour certificate program is limited to students in the Ira A. Fulton Schools of Engineering and is designed to help technically oriented students analyze, launch and operate an entrepreneurial venture. The certificate program in technology entrepreneurship requires that students enroll in and complete five courses. Admission to the cohort portion of the certificate program can only occur after successful

completion of the introduction course, FSE 301 Entrepreneurship for Engineers (prerequisite: junior standing in a bachelor's program in the Ira A. Fulton School of Engineering). Once admitted to the certificate program, students must also successfully complete the remaining certificate courses:

FSE 400 Creating and Launching a Technology Venture

FSE 401 Intellectual Property for a Technology Venture

FSE 402 Operating a Technology Venture

FSE 403 Entrepreneurship Practicum

Enrollment Requirements: The qualifications for admission to the certificate in technology entrepreneurship program are having junior standing in a bachelor's program in the Ira A. Fulton Schools of Engineering and successful completion of the selection interview process.

The selection interview process consists of two parts: 1) a letter of intent written by the student to the selection committee, and 2) a live interview with the selection committee, which consists of at least one faculty member, one entrepreneurship program advisory board member and one member of the regular engineering faculty.

Each selection interview is conducted according to a fixed format, with each certificate program candidate having the opportunity to respond to the same set of questions. Please contact the department for more information.

Contact Information:

Engineering, Ira A. Fulton Schools of

Dean, Ira A. Fulton Schools of Engineering

<http://engineering.asu.edu/>

BYENG 697BA

engineering@asu.edu

480-965-1726

Translation Certificate (LASPACERT)

Campus: TEMPE

Description: The translation certificate program is designed to provide:

- Advanced training required for professional translation in both public and private sectors.
- Preparation for the rigorous examinations required by national and international agencies.
- Training as an ancillary skill for professional fields, such as international business, public health, medicine and law, in accordance with guidelines recommended by the American Translators Association.

Program Requirements: The certificate program consists of the following requirements:

Prerequisites

SLC 400 Linguistics, SB (3) or SPA 400 Introduction to Spanish Linguistics (3) or equivalent SPA 412 Advanced Conversation and Composition, G (3)

Required

- SLC 401 Translation Theory and Practice (3)
- In-service practicum, SLC 484 Internship (2)

Also required are nine hours of applied translation electives in specialized areas chosen from the following courses:

SLC 481 Technical and Scientific Translation (3)

SLC 482 Business and Financial Translation (3)

SLC 483 Medical and Legal Translation (3)

SLC 485 Problems of Literary Translation (3)

Enrollment Requirements: Since entrance to professional translation is through work, cultural experience and examination, the entrance requirements to this certificate program are 1) a written proficiency examination in the source and the receptor languages at the level of completion of an advanced composition course in Spanish (SPA 412) and English (ENG 301), and 2) extensive work experience using Spanish and English, or demonstrated bilingual writing competence in English and Spanish.

Please contact the school for more information.

Contact Information:

Liberal Arts & Sciences, College of

School of International Letters and Cultures

<http://silc.asu.edu/undergraduate/certificates>

LL 440

silc@asu.edu

480-965-6281

Women and Gender Studies Certificate (ASWSTCERT)

Campus: WEST

Description: The certificate in women and gender studies, within the New College of Interdisciplinary Arts and Sciences, is an interdisciplinary program emphasizing intersectional approaches to the study of gender, race, class, ethnicity and sexuality in national and transnational contexts.

Program Requirements: The certificate consists of 18 credit hours of course work, of which 15 credit hours must be upper division (300 or 400 level).

Core requirements (9 credit hours):

WST 100, Women, Gender, and Society, SB, C (3) or WST 300, Women and Gender in Contemporary Society, SB, C (3)

WST 380, Race, Gender, and Class, SB, C (3)

WST 498, PS: Theory and Methods in Women and Gender Studies, L (3)

WST electives (9 credit hours).

Enrollment Requirements: The women and gender studies certificate is recommended for graduate students, nondegree students and students majoring in professional programs.

Students wishing to pursue the certificate should consult an academic advisor in the unit offering that certificate to ensure the appropriate set of courses is taken and required paperwork submitted.

Contact Information:

Interdisciplinary Arts & Sciences, New College of

School of Humanities, Arts, and Cultural Studies

<http://newcollege.asu.edu/harcs/degrees/certificates/womenstudies>

FAB N201

harcs.dept@asu.edu

602-543-4444

Women and Gender Studies Certificate (LAWSTCERT)

Campus: TEMPE

Description: Women and gender studies, in the School of Social Transformation provides students with an intensive interdisciplinary liberal arts education that enables them to write well, think critically and analyze problems effectively. The certificate program is equivalent to an interdisciplinary minor.

Program Requirements: The certificate program consists of 18 credit hours, 12 of which must be upper-division courses. Students pursuing a certificate in women and gender studies must consult with the women and gender studies advisor to select appropriate courses and fulfill requirements. A certificate of concentration in women and gender studies is awarded for the successful completion of WST 100 (or WST 300) and WST 377, or WST 378 and an additional 12 credit hours from the list of approved women and gender studies courses.

Enrollment Requirements: Students admitted to study at Arizona State University are eligible to pursue the requirements of a certificate. In order to be admitted to the university, complete the Office of Admission online application. Please contact the unit for additional information.

Contact Information:

Liberal Arts & Sciences, College of

School of Social Transformation

<http://wgs.asu.edu/>

WHALL 205

wgs.asutempe@asu.edu

480-965-2358

Writing (Liberal Arts & Sciences) Certificate (LAENGCERT)

Campus: TEMPE

Description: The writing certificate provides advanced writing instruction for students in any major. Students pursuing the writing certificate gain practical skill in effective communication and enhance their ability to create, structure and present information in a variety of professional settings.

Program Requirements: The writing certificate consists of 19 credit hours. Required courses are as follows:

ENG 216 Persuasive Writing on Public Issues, L (3), or ENG 412 Creative Nonfiction (3)

ENG 301 Writing for the Professions, L (3)

ENG 372 Document Production, L (3)

ENG 472 Rhetorical Studies, L (3)

ENG 484 Internship: Writing Certificate (3)

ENG 498 Pro-Seminar: Writing Certificate Portfolio (1)

Also required is an additional writing course in English (three hours) or a writing or design course (three hours) selected from an approved list of courses from across campus. All students are required to submit a portfolio before receiving the certificate.

Enrollment Requirements: Application to the program requires a minimum GPA of 3.00 in ENG 101 and 102, 105, or 107 and 108. Students must also have completed at least 30 hours of course work and must have a minimum cumulative GPA of 3.00. A minimum of 6 upper division hours must be completed at the Tempe campus. Please contact the department for more information.

Contact Information:

Liberal Arts & Sciences, College of

Department of English

<http://english.clas.asu.edu/writingcertificate>

LL 542

englishadvising@asu.edu

480-965-3168

Writing (New College) Certificate (ASWRTCERT)

Campus: WEST

Description: Comprised of a minimum of 19 credit hours, the writing certificate combines intensive course work (of which at least 12 credit hours must be upper division) and an exit portfolio. Students will choose one of five track options:

- Creative writing.
- Generalist.
- Professional and technical writing.
- Publishing and editing.
- Nonfiction writing.

Exit portfolio: Students will assemble a portfolio of writing that demonstrates their grasp of the skills presented during their course of studies.

Program Requirements: To gain admission to the program, students must demonstrate fundamental writing skills through the completion of English composition (101/102, or 107/108, or 105) with grades of "B" (3.00, on a scale of 4.00) or higher. Students are required to submit an application, which includes at least three samples of writing from lower-division courses or independent writing projects. Applications must be submitted at least two months before the start of the semester they anticipate being admitted.

Enrollment Requirements: The Division of Humanities, Arts and Cultural Studies offers this program to students enrolled in any unit of any college at ASU. Certification of advanced writing skills opens the way to a vast array of opportunities, from journalism and publishing to public advocacy, military and government careers, elementary and secondary education, business management, economic development, the law and high-tech industry. Ability to communicate clearly and directly is a key to career advancement in all aspects of business, government and community service.

Contact Information:

Interdisciplinary Arts & Sciences, New College of

School of Humanities, Arts, and Cultural Studies

<http://newcollege.asu.edu/harcs/degrees/certificates/writing>

FAB N201

harcs.dept@asu.edu

602-543-4444

Undergraduate Programs

Undergraduate Degrees (Program Descriptions)

Business, W. P. Carey School of

Accountancy, BS (BAACCBS)

Campus: TEMPE, WEST

Program Description: The School of Accountancy's undergraduate program offers two tracks during the senior year. The accounting track is followed by most students and is designed to provide a rich educational experience. The Accounting Scholars Program is the track designed for our most highly qualified students who wish to commit to (and are accepted into) the M.Acc. program or the M.Tax. program during the second semester of the junior year. The scholars program provides a particularly rich and individualized educational experience during the senior and fifth years. It includes a number of distinct advantages for students:

- A spring internship experience.
- Increased personal interaction among students, faculty and staff.
- Possible reduced overall tuition costs through scholarships.

Further details about the accounting scholars track are available at the school website.

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 210 - Brief Calculus

Admission Requirements: Freshmen admission requirements: 1160 SAT Reasoning OR 25 ACT score, OR graduated in the top eight percent of high school class, OR an overall high school GPA of 3.60 in ASU competency courses (A=4.00).

Freshmen should select an additional major when applying for admission. Additional choices may include any of the W. P. Carey's Business B.A. programs or any other business or other degree program outside W. P. Carey School of Business. Students who are not admissible to a W. P. Carey Business B.S. major and who did not select a second major or are not admissible to their second major choice will be placed in a Business B.A. program in W. P. Carey School of Business.

Transfer admission requirements (30 or more semester hours of credit after high school): 3.00 transfer GPA AND 1,160 SAT score OR 25 ACT score OR graduated in the top 8th percent of high school class.

Transfer students should select an additional major when applying for admission. Additional choices may include any of the W. P. Carey's Business B.A. programs or any other business or other degree program outside W. P. Carey School of Business.

Students with fewer than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice will be placed in Exploratory--Social and Behavioral Sciences in University College.

Students with more than 45 transfer hours who are not admissible to University College will be contacted to select an appropriate major.

Transfer Agreements: ASU has partnered with the following institutions to enable you to do a seamless transfer:

Arizona Western College (<http://transfer.asu.edu/az-western>)

Central Arizona College (<http://transfer.asu.edu/central-az>)

Coconino Community College (<http://transfer.asu.edu/coconino>)

Eastern Arizona College (<http://transfer.asu.edu/eastern-az>)

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Pima Community College (<http://transfer.asu.edu/pima>)

Yavapai College (<http://transfer.asu.edu/yavapai>)

Career Opportunities: The major in accountancy includes the essential academic preparation for students who are:

- Planning to pursue a graduate degree or attend law school.
- Pursuing professional careers in public, corporate and governmental accounting.
- Seeking positions in consulting, or planning to operate a business.
- Seeking positions in personal financial planning and portfolio analysis.

The U.S. Bureau of Labor Statistics' Occupational Outlook Handbook (2010-2011) states, "Employment of accountants and auditors is expected to grow by 22 percent between 2008 and 2018, which is much faster than the average for all occupations. Job opportunities should be favorable; accountants and auditors who have a professional certification, especially CPAs, should have the best prospects."

Contact Information:

Business, W. P. Carey School of
School of Accountancy
<http://wpcarey.asu.edu/accounting/index.cfm>
BA 223Q
wpcareyacc@asu.edu
480-965-3631

Business, BA (BABUSBA)

Campus: POLY, TEMPE, WEST

Program Description: The W. P. Carey Bachelor of Arts provides an innovative, interdisciplinary approach to learning, which broadens career options upon graduation. Not only will students acquire a strong grounding in the principles of business, they will also immerse themselves in coursework outside the business school, supplementing the business degree.

Students in this program will learn how to apply core business knowledge in one of the following disciplines:

- Communication.
- Global leadership.
- Global politics.
- Legal studies.
- Public service and public policy.
- Statistics.
- Sustainability.
- Technology.
- Tourism management.
- Urban policy.

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 210 - Brief Calculus

Admission Requirements: Freshman and transfer students must submit either an SAT Reasoning test score or an ACT test score by the end of the first semester in the program (we do not require the writing portion of these tests). There is no minimum score requirement.

Freshman admission requirements for this program are the same as the university's freshman admission requirements.

Transfer applicants must have a 3.00 GPA for all transfer work and meet university transfer admission requirements. Transfer students should select an additional major, which must be outside W. P. Carey School of Business, when applying for admission.

Students with fewer than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice will be placed in University College's exploratory--social and behavioral sciences program.

Students with more than 45 transfer hours who are not admissible to University College will be contacted to select an appropriate major.

Career Opportunities: Students in the Bachelor of Arts in business will graduate from one of 10 concentrations in the W. P. Carey School of Business. See those concentrations for career opportunities.

Contact Information:

Business, W. P. Carey School of
Dean, W.P. Carey School of Business
<http://wpcarey.asu.edu/undergraduate/>
BA 109
wpcareyug@asu.edu
480-964-4227

Business (Communication), BA (BABUSCBA)

Campus: POLY, TEMPE, WEST

Program Description: The B.A. in business with a concentration in communication is an innovative, interdisciplinary program intended to prepare students for positions in a variety of professions in which business and communication play an important role in ensuring success. Graduates of this program will have specific knowledge of business practices and the capacity to effectively communicate complex business information. Students in this program will complete rigorous courses within the communication concentration in addition to the skill and core courses required of all W. P. Carey School of Business majors.

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 210 - Brief Calculus

Admission Requirements: Freshman and transfer students must submit either an SAT Reasoning test score or an ACT test score by the end of the first semester in the program (we do not require the writing portion of these tests). There is no minimum score requirement.

Freshman admission requirements for this program are the same as the university's freshman admission requirements.

Transfer applicants must have a 3.00 GPA for all transfer work and meet university transfer admission requirements. Transfer students should select an additional major, which must be outside W. P. Carey School of Business, when applying for admission.

Students with fewer than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice will be placed in Exploratory--Social and Behavioral Sciences in University College.

Students with more than 45 transfer hours who are not admissible to University College will be contacted to select an appropriate major.

Transfer Agreements: ASU has partnered with the following institutions to enable you to do a seamless transfer:

Arizona Western College (<http://transfer.asu.edu/az-western>)

Central Arizona College (<http://transfer.asu.edu/central-az>)

Coconino Community College (<http://transfer.asu.edu/coconino>)

Eastern Arizona College (<http://transfer.asu.edu/eastern-az>)

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Mohave Community College (<http://transfer.asu.edu/mohave>)

Career Opportunities: Business communication has exploded as a distinct professional field as companies require rapid and considered responses, from conveying ordinary information to crisis communications. Historically, these positions have been staffed with people trained in communication, English, journalism or other fields but lack specific business knowledge. Graduates of this program will be qualified to enter these positions with knowledge that will be immediately useful to potential employers, while advancing their careers.

Contact Information:

Business, W. P. Carey School of

W. P. Carey School of Business

<http://wpcarey.asu.edu/undergraduate/>

BA 109

wpcareyug@asu.edu

480-965-4227

Business (Global Leadership), BA (BABUSGBA)

Campus: WEST

Program Description: The Bachelor of Arts in business with a concentration in global leadership prepares students for careers in the global business environment by developing strong business skills along with global studies courses from a variety of regions around the world. Students study international management and leadership and have the opportunity to select a track in Latin American studies or from other parts of the world. Students may also choose to participate in an international study experience in a variety of countries around the globe.

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 210 - Brief Calculus/MAT 211 Mathematics for Business Analysis

Admission Requirements: New freshmen admitted to this program must meet university entrance requirements. Transfer students from within campus or other institutions must meet university requirements and have a 3.00 ASU and 3.00 transfer GPA. Additionally, all students must take the ACT or SAT exam.

Transfer Agreements: ASU has partnered with the following institutions to enable you to do a seamless transfer:

Coconino Community College (<http://transfer.asu.edu/coconino>)

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Mohave Community College (<http://transfer.asu.edu/mohave>)

Career Opportunities: A degree that incorporates solid business skills and global studies will help prepare students for employment in our global business world. Opportunities exist for qualified students to work either domestically or internationally in an international organization. This degree program augments business and leadership skills necessary in most corporations.

Contact Information:

Business, W. P. Carey School of

W. P. Carey School of Business

<http://wpcarey.asu.edu/undergraduate/index.cfm>

FAB N 106

wpcadmissions@asu.edu

602-543-6200

Business (Global Politics), BA (BABUSGPBA)

Campus: TEMPE

Program Description: The program incorporates solid business skills and global understanding in order to prepare students to realize and analyze the relationship between business and social science. Students in this program will complete the rigorous courses within the global politics concentration in addition to the skill and core courses required of all W. P. Carey School of Business majors.

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 210 - Brief Calculus

Admission Requirements: Freshman and transfer students must submit either an SAT Reasoning test score or an ACT test score by the end of the first semester in the program (we do not require the writing portion of these tests). There is no minimum score requirement.

Freshman admission requirements for this program are the same as the university's freshman admission requirements.

Transfer applicants must have a 3.00 GPA for all transfer work and meet university transfer admission requirements. Transfer students must select an additional major, which must be outside W. P. Carey School of Business, when applying for admission. Applicants not meeting requirements for this program but who do meet university minimum requirements for transfer studies will be admitted to their second choice.

Transfer Agreements: ASU has partnered with the following institutions to enable you to do a seamless transfer:

Arizona Western College (<http://transfer.asu.edu/az-western>)

Central Arizona College (<http://transfer.asu.edu/central-az>)

Coconino Community College (<http://transfer.asu.edu/coconino>)

Eastern Arizona College (<http://transfer.asu.edu/eastern-az>)

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Mohave Community College (<http://transfer.asu.edu/mohave>)

Pima Community College (<http://transfer.asu.edu/pima>)

Yavapai College (<http://transfer.asu.edu/yavapai>)

Career Opportunities: Students completing the global politics concentration will think critically about global problems and integrate inquiry and action in order to become responsible leaders. These students will be prepared to successfully launch careers in many fields including:

- Campaign and issue management.
- Information analysis.
- Public relations.

Contact Information:

Business, W. P. Carey School of

W. P. Carey School of Business

<http://wpcarey.asu.edu/undergraduate/>

BA 109

wpcareyug@asu.edu

480-965-4227

Business (Legal Studies), BA (BABUSLBA)

Campus: TEMPE

Program Description: The B.A. in business with a concentration in legal studies is an innovative, interdisciplinary program intended to prepare students for positions in a variety of professions in which business and law play an important role in ensuring success. Coupled with a strong business background, the legal studies concentration will give students a systematic framework for analyzing real-world legal regulation and corresponding business risks and liabilities. Students in this program will complete rigorous courses within the legal studies concentration in addition to the skill and core courses required of all W. P. Carey School of Business majors.

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 210 - Brief Calculus

Admission Requirements: Freshman and transfer students must submit either an SAT Reasoning test score or an ACT test score by the end of the first semester in the program (we do not require the writing portion of these tests). There is no minimum score requirement.

Freshman admission requirements for this program are the same as the university's freshman admission requirements.

Transfer applicants must have a 3.00 GPA for all transfer work and meet university transfer admission requirements. Transfer students should select an additional major, which must be outside W. P. Carey School of Business, when applying for admission.

Students with fewer than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second

major or are not admissible to their second major choice will be placed in Exploratory--Social and Behavioral Sciences in University College. Students with more than 45 transfer hours who are not admissible to University College will be contacted to select an appropriate major.

Transfer Agreements: ASU has partnered with the following institutions to enable you to do a seamless transfer:

Arizona Western College (<http://transfer.asu.edu/az-western>)
Central Arizona College (<http://transfer.asu.edu/central-az>)
Coconino Community College (<http://transfer.asu.edu/coconino>)
Eastern Arizona College (<http://transfer.asu.edu/eastern-az>)
Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)
Mohave Community College (<http://transfer.asu.edu/mohave>)
Pima Community College (<http://transfer.asu.edu/pima>)
Yavapai College (<http://transfer.asu.edu/yavapai>)

Career Opportunities: The legal studies concentration is designed to expose students who will pursue careers in the business world to aspects of law and legal issues relevant to their career goals. Graduates of this program will be prepared to use their skills in a variety of industries ranging from new business ventures to corporate or agency compliance.

Contact Information:

Business, W. P. Carey School of
W. P. Carey School of Business
<http://wpcarey.asu.edu/undergraduate/>
BA 109
wpcareyug@asu.edu
480-965-4227

Business (Public Service and Public Policy), BA (BABUSPBA)

Campus: TEMPE

Program Description: The concentration in public service and public policy prepares students for work in public, nonprofit and private sectors, through comprehensive coverage of topics in public policy and public administration. Students will become familiar with leading a public organization and the process of policy development. Students will examine the public sector through multiple lenses and address its challenges in a practical way. Graduates are prepared for professional careers in public service. The program also offers preparation for students who wish to pursue graduate degrees in public administration, public policy, law, nonprofit administration or other public service and policy-oriented areas.

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 210 - Brief Calculus

Admission Requirements: Freshman and transfer students must submit either an SAT Reasoning test score or an ACT test score by the end of the first semester in the program. We do not require the writing portion of these tests. There is no minimum score requirement.

Freshman admission requirements for this program are the same as the university's freshman admission requirements.

Transfer applicants must have a 3.00 GPA for all transfer work and meet university transfer admission requirements. Transfer students should select an additional major, which must be outside W. P. Carey School of Business, when applying for admission.

Students with less than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice will be placed in Exploratory--Social and Behavioral Sciences in University College.

Students with more than 45 transfer hours who are not admissible to University College will be contacted to select an appropriate major.

Transfer Agreements: ASU has partnered with the following institutions to enable you to do a seamless transfer:

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Central Arizona College (<http://transfer.asu.edu/central-az>)
Coconino Community College (<http://transfer.asu.edu/coconino>)
Eastern Arizona College (<http://transfer.asu.edu/eastern-az>)
Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)
Mohave Community College (<http://transfer.asu.edu/mohave>)
Pima Community College (<http://transfer.asu.edu/pima>)
Yavapai College (<http://transfer.asu.edu/yavapai>)

Career Opportunities: There is an increase in job opportunities in the public sector for graduates due to retiring workers and an increasing demand for public services. The Partnership for Public Service estimates the federal government will hire nearly 273,000 new employees by 2012 for mission-critical positions.

Contact Information:

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

<http://wpcarey.asu.edu/undergraduate/>

BA 109

wpcareyug@asu.edu

480-965-4227

Business (Statistics), BA (BABUSTABA)

Campus: WEST

Program Description: The B.A. in business with a concentration in statistics is designed for students interested in a degree with solid business skills and an emphasis in mathematics and statistics. Students will be prepared to move into business or governmental positions using statistics to help make decisions and solve problems. The program involves theoretical and applied statistics with a focus on practical and applied aspects of statistics.

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: Students must complete the following math prerequisites for the program:

MAT 270

MAT 271

MAT 272 (Recommended)

STP 280

Admission Requirements:

- New freshmen admitted to this program must meet university entrance requirements.
- Transfer students from within the university or other institutions must meet university requirements and have a 3.00 ASU and 3.00 transfer GPA.
- All students must take the ACT or SAT exam.

Career Opportunities: Students with a business degree with a concentration in statistics may move into business or governmental positions. Students will find positions as statisticians, financial analysts, market and survey researchers, personal financial advisors, etc.

Contact Information:

Business, W. P. Carey School of

W. P. Carey School of Business

<http://wpcarey.asu.edu/undergraduate/>

FAB 101C

wpcareyadmissions@asu.edu

602-543-6200

Business (Sustainability), BA (BABUSSBA)

Campus: TEMPE, WEST

Program Description: The B.A. in business with a concentration in sustainability is an innovative, interdisciplinary program intended to prepare students for positions in a variety of professions in which business and sustainability play an important role in ensuring success. Finding ways to grow and prosper while reducing the stress on the global environment is a critical issue facing today's society. Combining the latest trends in business with cutting-edge knowledge of sustainability prepares graduates to excel in career areas that will dramatically increase in demand. Students in this program will complete rigorous courses within the sustainability concentration in addition to the skill and core courses required of all W. P. Carey School of Business majors.

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 210 - Brief Calculus

Admission Requirements: Freshman and transfer students must submit either an SAT Reasoning test score or an ACT test score by the end of the first semester in the program (we do not require the writing portion of these tests). There is no minimum score requirement.

Freshman admission requirements for this program are the same as the university's freshman admission requirements.

Transfer applicants must have a 3.00 GPA for all transfer work and meet university transfer admission requirements. Transfer students should select an additional major, which must be outside W. P. Carey School of Business, when applying for admission.

Students with less than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice will be placed in Exploratory--Social and Behavioral Sciences in University College.

Students with more than 45 transfer hours who are not admissible to University College will be contacted to select an appropriate major.

Transfer Agreements: ASU has partnered with the following institutions to enable you to do a seamless transfer:

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Coconino Community College (<http://transfer.asu.edu/coconino>)
Eastern Arizona College (<http://transfer.asu.edu/eastern-az>)
Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)
Mohave Community College (<http://transfer.asu.edu/mohave>)
Pima Community College (<http://transfer.asu.edu/pima>)
Yavapai College (<http://transfer.asu.edu/yavapai>)

Career Opportunities: Interest in sustainability issues is growing and, most likely, will be increasingly important to business in the next few years. People around the world are asking serious questions about how they can understand, evaluate and act on issues related to sustainability while making sensible business decisions for both the short and long run. Qualified individuals are needed, those who understand the societal, scientific and business aspects of the issues. Graduates from this degree program will fill these needs.

Contact Information:

Business, W. P. Carey School of
W. P. Carey School of Business
<http://wpcarey.asu.edu/undergraduate/>
BA 109
wpcareyug@asu.edu
480-965-4227

Business (Technology), BA (BABUSTCBA)

Campus: POLY

Program Description: The Bachelor of Arts in business with a concentration in technology incorporates solid business skills as well as a strong skill set in technology. This program is designed to help students realize and analyze the relationship between business and technology.

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 210 - Brief Calculus OR MAT 270 Calculus w/Analytic Geometry I
MAT 211 Mathematics for Business Analysis OR MAT 271 Calculus with Analytic Geometry II

Admission Requirements: New freshmen admitted to this program must meet university entrance requirements. Transfer students from within campus or other institutions must meet university requirements and have a 3.00 ASU and 3.00 transfer GPA. Additionally, all students must take the ACT or SAT exam.

Transfer Agreements: ASU has partnered with the following institutions to enable you to do a seamless transfer:

Coconino Community College (<http://transfer.asu.edu/coconino>)
Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)
Mohave Community College (<http://transfer.asu.edu/mohave>)

Career Opportunities: Students completing a Bachelor of Arts in business with a concentration in technology will bring a solid background in business to technology companies and also the technological skills necessary to apply their skills in a variety of industries.

Contact Information:

Business, W. P. Carey School of
Dean, W.P. Carey School of Business
<http://wpcarey.asu.edu/undergraduate/index.cfm>
BA 109 (Tempe) and SUTON 301 (Polytechnic)
wpcadmissions@asu.edu
480-965-4227

Business (Tourism), BA (BABUSTBA)

Campus: TEMPE

Program Description: The B.A. in business with a concentration in tourism is an innovative, interdisciplinary program intended to prepare students for positions in a variety of professions in which business and tourism play an important role in ensuring success. Developing tourism and recreation opportunities requires an understanding of effective marketing techniques and the ability to interact with many different types of businesses that support those efforts. A solid academic preparation in business will help prepares students for success in the tourism industry and affiliated professions. Students in this program will complete rigorous courses within the tourism concentration in addition to the skill and core courses required of all W. P. Carey School of Business majors.

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 210 - Brief Calculus

Admission Requirements: Freshman and transfer students must submit either an SAT Reasoning test score or an ACT test score by the end of the first semester in the program (we do not require the writing portion of these tests). There is no minimum score requirement.

Freshman admission requirements for this program are the same as the university's freshman admission requirements.

Transfer applicants must have a 3.00 GPA for all transfer work and meet university transfer admission requirements. Transfer students should select an additional major, which must be outside W. P. Carey School of Business, when applying for admission.

Students with fewer than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice will be placed in Exploratory--Social and Behavioral Sciences in University College.

Students with more than 45 transfer hours who are not admissible to University College will be contacted to select an appropriate major.

Transfer Agreements: ASU has partnered with the following institutions to enable you to do a seamless transfer:

Arizona Western College (<http://transfer.asu.edu/az-western>)

Central Arizona College (<http://transfer.asu.edu/central-az>)

Coconino Community College (<http://transfer.asu.edu/coconino>)

Eastern Arizona College (<http://transfer.asu.edu/eastern-az>)

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Mohave Community College (<http://transfer.asu.edu/mohave>)

Pima Community College (<http://transfer.asu.edu/pima>)

Yavapai College (<http://transfer.asu.edu/yavapai>)

Career Opportunities: Tourism management and development combines marketing and economic development, with emphasis on managerial understanding to promote smooth operations. The combination of skills acquired from exposure to both business and tourism courses will make graduates more marketable and productive in their careers.

Contact Information:

Business, W. P. Carey School of

W. P. Carey School of Business

<http://wpcarey.asu.edu/undergraduate/>

BA 109

wpcareyug@asu.edu

480-965-4227

Business (Urban Policy), BA (BABUSUBA)

Campus: TEMPE

Program Description: The B.A. in business with a concentration in urban policy is an innovative, interdisciplinary program intended to prepare students for positions in a variety of professions in which business and urban policy play an important role in ensuring success. Economic development and urban planning are inextricably linked. The urban policy concentration prepares students to address many of the challenges of rapid urban growth. Students in this program will complete rigorous courses that focus on the complexity and range of issues affecting the quality of urban planning and development in addition to the skill and core courses required of all W. P. Carey School of Business majors.

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 210 - Brief Calculus

Admission Requirements: Freshman and transfer students must submit either an SAT Reasoning test score or an ACT test score by the end of the first semester in the program (we do not require the writing portion of these tests). There is no minimum score requirement.

Freshman admission requirements for this program are the same as the university's freshman admission requirements.

Transfer applicants must have a 3.00 GPA for all transfer work and meet university transfer admission requirements. Transfer students should select an additional major, which must be outside W. P. Carey School of Business, when applying for admission.

Students with fewer than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice will be placed in Exploratory--Social and Behavioral Sciences in University College.

Students with more than 45 transfer hours who are not admissible to University College will be contacted to select an appropriate major.

Transfer Agreements: ASU has partnered with the following institutions to enable you to do a seamless transfer:

Arizona Western College (<http://transfer.asu.edu/az-western>)

Central Arizona College (<http://transfer.asu.edu/central-az>)

Coconino Community College (<http://transfer.asu.edu/coconino>)

Eastern Arizona College (<http://transfer.asu.edu/eastern-az>)

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Mohave Community College (<http://transfer.asu.edu/mohave>)

Pima Community College (<http://transfer.asu.edu/pima>)

Yavapai College (<http://transfer.asu.edu/yavapai>)

Career Opportunities: Historically, urban planners have had little business background, but function in a system where business success is a key ingredient in high-quality, dynamic urban policy. Graduates with a bachelor's in business with an urban policy concentration will be equipped to deal with the wide range of economic and business development issues.

Contact Information:

Business, W. P. Carey School of
W. P. Carey School of Business
<http://wpcarey.asu.edu/undergraduate/>
BA 109
wpcareyug@asu.edu
480-965-4227

Business Exploratory, (BABUSEXP)

Campus: TEMPE

Program Description: Virtually every profession and organization uses business in some way. Business exploratory students have an opportunity to explore a variety of areas in business prior to selecting one of our seven majors:

- Accountancy.
- Computer information systems.
- Economics.
- Finance.
- Management.
- Marketing.
- Supply chain management.

Students have an opportunity to work with world-class faculty in an environment that values high quality teaching. Our majors provide students with the skills and knowledge needed in today's companies - whether they are starting their own businesses or working in large multinational corporations. Additionally, many graduates attend some of the best graduate schools in the country in a variety of disciplines.

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 210 - Brief Calculus

Admission Requirements: This major has higher admission standards. To be admitted, freshmen need a 1160 SAT Reasoning score OR 25 ACT score, OR they must be among the top eight percent of their graduating high school class.

Transfer students (with 30 or more semester hours of credit after high school) must have a 3.00 GPA or higher, AND an SAT Reasoning score of 1160 OR a ACT score of 25 OR graduated in the top eight percent of their high school class.

Career Opportunities: Students in business exploratory will graduate from one of seven degrees in the W. P. Carey School of Business. See those degrees for career opportunities.

Contact Information:

Business, W. P. Carey School of
Prebusiness Office
<http://wpcarey.asu.edu>
BA 109
wpcareyug@asu.edu
480-965-4227

Computer Information Systems, BS (BACISBS)

Campus: TEMPE

Program Description: Computer information systems is part of every business and organization. This degree teaches students about the exciting and innovative ways that information technology is used to help organizations succeed. Our dedicated faculty members teach students how to design, build and maintain information systems that support business operations and managerial decision-making. In particular, students will learn about:

- Business intelligence for competitive advantage.
- Business process for workflow redesign.
- Data management for decision-making.

- Distributed systems for collaboration and globalization.
- Enterprise integration for synergy.
- Project management.
- Solution development for value creation.

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 210 - Brief Calculus

Admission Requirements: Freshmen admission requirements: 1160 SAT Reasoning OR 25 ACT score, OR graduated in the top eight percent of high school class, OR an overall high school GPA of 3.60 in ASU competency courses (A=4.00).

Freshmen should select an additional major when applying for admission. Additional choices may include any of the W. P. Carey's Business BA programs or any other business or other degree program outside W. P. Carey School of Business. Students who are not admissible to a W. P. Carey Business BS major and who did not select a second major or are not admissible to their second major choice will be placed in a Business BA program in W. P. Carey School of Business.

Transfer admission requirements (30 or more semester hours of credit after high school): 3.00 transfer GPA AND 1160 SAT score OR 25 ACT score OR graduated in the top eight percent of high school class.

Transfer students should select an additional major when applying for admission. Additional choices may include any of the W. P. Carey's Business BA programs or any other business or other degree program outside W. P. Carey School of Business.

Students with less than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice will be placed in Exploratory--Social and Behavioral Sciences in University College.

Students with more than 45 transfer hours who are not admissible to University College will be contacted to select an appropriate major.

Transfer Agreements: ASU has partnered with the following institutions to enable you to do a seamless transfer:

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities: Currently there is a shortage of information systems professionals and many more jobs than graduates. With a degree in computer information systems, career choices are limitless. A computer information systems degree offers job opportunities in a variety of industries, including:

- Education.
- Entertainment.
- Finance.
- Health care.
- National defense.
- Transportation.

Information systems are a key component in the success of other functional business areas, such as accounting, supply chain, finance and marketing. Entry-level information systems positions include:

- Computer forensics analyst.
- Database administrator.
- Systems analyst.
- Information systems consultant.
- Information technology security manager.
- Network administrator.
- Project manager.
- Software or systems developer.
- Systems administrator.

Long-term career aspirations for a student with a computer information systems degree include:

- Chief executive officer.
- Chief information officer.
- Chief knowledge officer.
- Chief security officer.
- Chief technology officer.

Contact Information:

Business, W. P. Carey School of
Department of Information Systems

<http://wpcarey.asu.edu/information-systems/undergraduate/index.cfm>

BA 301P
wpcareyis@asu.edu
480-965-3252

Economics, BS (BAECNBS)

Campus: TEMPE

Program Description: The program requires a strong core of economic theory, supplemented by mathematics and data analysis. Students in our B.S. program choose from a variety of electives within the department, as well as in the W. P. Carey School of Business and the university. All students are encouraged to develop programs of study tailored to individual needs and interests. The undergraduate program provides students with the critical thinking and communication skills needed to succeed in business or graduate school. The department's mission is to provide the highest quality instruction to students, conduct cutting-edge research in economics and provide leadership and service to professional communities.

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 210 - Brief Calculus

Admission Requirements: Freshmen admission requirements: 1160 SAT Reasoning OR 25 ACT score, OR graduated in the top eight percent of high school class, OR an overall high school GPA of 3.60 in ASU competency courses (A=4.00).

Freshmen should select an additional major when applying for admission. Additional choices may include any of the W. P. Carey's Business BA programs or any other business or other degree program outside W. P. Carey School of Business. Students who are not admissible to a W. P. Carey Business BS major and who did not select a second major or are not admissible to their second major choice will be placed in a Business BA program in W. P. Carey School of Business.

Transfer admission requirements (30 or more semester hours of credit after high school): 3.00 transfer GPA AND 1160 SAT score OR 25 ACT score OR graduated in the top eight percent of high school class.

Transfer students should select an additional major when applying for admission. Additional choices may include any of the W. P. Carey's Business BA programs or any other business or other degree program outside W. P. Carey School of Business.

Students with less than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice will be placed in Exploratory--Social and Behavioral Sciences in University College.

Students with more than 45 transfer hours who are not admissible to University College will be contacted to select an appropriate major.

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Coconino Community College (<http://transfer.asu.edu/coconino>)

Eastern Arizona College (<http://transfer.asu.edu/eastern-az>)

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Pima Community College (<http://transfer.asu.edu/pima>)

Yavapai College (<http://transfer.asu.edu/yavapai>)

Career Opportunities: A major in economics provides students with the analytical and quantitative skills needed to prepare them for careers in business, government or public policy. The program of study can also be tailored to prepare students for graduate programs in economics, business or law. Students interested in pursuing a Ph.D. in economics are strongly encouraged to minor or major in mathematics, as well.

Graduates have taken positions such as:

- Consultants who serve as advisers to state and federal governments, as well as private corporations.
- Corporate economists who collect data and make forecasts relevant to the firm's business.
- Employment in banking and financial services firms.

Each year, many graduates pursue studies at other prestigious universities.

Contact Information:

Business, W. P. Carey School of

Department of Economics

<http://wpcarey.asu.edu/economics-degree/index.cfm>

CPCOM 412

wpcareyecn@asu.edu

480-965-3531

Finance, BS (BAFINBS)

Campus: TEMPE

Program Description: The finance department has a rich tradition of educating leaders that excel in all aspects of the discipline of finance.

Whether ascending to the top ranks of the venture capital industry, executing multimillion-dollar real estate deals or becoming successful entrepreneurs with ideas and drive that are all their own, our graduates are equipped to succeed.

In particular, our Investment Banking Industry Scholars Program mentors students interested in going to Wall Street. Our student investment management fund provides undergraduates the opportunity to manage a real-world investment portfolio worth hundreds of thousands of dollars. The faculty is considered among the top finance departments in the world. Our professional advisory board, comprised of leading professionals from the financial services, manufacturing, energy, investment banking and real estate sectors, provides a sounding board for new ideas and a source of jobs for our top graduates.

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 210 - Brief Calculus

Admission Requirements: Freshmen admission requirements: 1160 SAT Reasoning OR 25 ACT score, OR graduated in the top eight percent of high school class, OR an overall high school GPA of 3.60 in ASU competency courses (A=4.00).

Freshmen should select an additional major when applying for admission. Additional choices may include any of the W. P. Carey's Business BA programs or any other business or other degree program outside W. P. Carey School of Business. Students who are not admissible to a W. P. Carey Business BS major and who did not select a second major or are not admissible to their second major choice will be placed in a Business BA program in W. P. Carey School of Business.

Transfer admission requirements (30 or more semester hours of credit after high school): 3.00 transfer GPA AND 1160 SAT score OR 25 ACT score OR graduated in the top eight percent of high school class.

Transfer students should select an additional major when applying for admission. Additional choices may include any of the W. P. Carey's Business BA programs or any other business or other degree program outside W. P. Carey School of Business.

Students with less than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice will be placed in Exploratory--Social and Behavioral Sciences in University College.

Students with more than 45 transfer hours who are not admissible to University College will be contacted to select an appropriate major.

Transfer Agreements: ASU has partnered with the following institutions to enable you to do a seamless transfer:

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Coconino Community College (<http://transfer.asu.edu/coconino>)

Eastern Arizona College (<http://transfer.asu.edu/eastern-az>)

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Pima Community College (<http://transfer.asu.edu/pima>)

Yavapai College (<http://transfer.asu.edu/yavapai>)

Career Opportunities: Students majoring in finance are prepared for careers in:

- Consulting.
- Corporate financial management.
- Depository institutions.
- Financial services.
- Investment banking.
- Investment management.
- Portfolio analysis.

Contact Information:

Business, W. P. Carey School of

Department of Finance

<http://wpcarey.asu.edu/finance/index.cfm>

BAC 519

wpcareyfin@asu.edu

480-965-3131

Management, BS (BAMGTBS)

Campus: POLY, TEMPE, WEST

Program Description: The B. S. in management prepares students to become effective managers and team leaders by providing theoretical and conceptual knowledge and building critical skills such as:

- Analytical research and problem solving.
- Communication.
- Critical thinking.
- Global applications.

- Leadership.
- Personal ethics and integrity.
- Teamwork.

The curriculum includes the fundamentals of the global economy, the world of e-business, ethics, human resource and strategic management and collaborative team skills. Throughout the program, theories and concepts of management and ethical leadership are enhanced by experiencing and testing these concepts in skill-based exercises, case discussions and team-based project work, including community-based team projects in not-for-profit and for-profit business settings.

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 210 - Brief Calculus

Admission Requirements: Freshmen admission requirements: 1160 SAT Reasoning OR 25 ACT score, OR graduated in the top eight percent of high school class, OR an overall high school GPA of 3.60 in ASU competency courses (A=4.00).

Freshmen should select an additional major when applying for admission. Additional choices may include any of the W. P. Carey's Business BA programs or any other business or other degree program outside W. P. Carey School of Business. Students who are not admissible to a W. P. Carey Business BS major and who did not select a second major or are not admissible to their second major choice will be placed in a Business BA program in W. P. Carey School of Business.

Transfer admission requirements (30 or more semester hours of credit after high school): 3.00 transfer GPA AND 1160 SAT score OR 25 ACT score OR graduated in the top eight percent of high school class.

Transfer students should select an additional major when applying for admission. Additional choices may include any of the W. P. Carey's Business BA programs or any other business or other degree program outside W. P. Carey School of Business.

Students with less than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice will be placed in Exploratory--Social and Behavioral Sciences in University College.

Students with more than 45 transfer hours who are not admissible to University College will be contacted to select an appropriate major.

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Central Arizona College (<http://transfer.asu.edu/central-az>)

Coconino Community College (<http://transfer.asu.edu/coconino>)

Eastern Arizona College (<http://transfer.asu.edu/eastern-az>)

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Pima Community College (<http://transfer.asu.edu/pima>)

Yavapai College (<http://transfer.asu.edu/yavapai>)

Career Opportunities: The management major prepares graduates for managerial leadership in a world characterized by:

- Corporate accountability.
- Cross-functional management.
- Demands for continuous process improvements to enhance the value chain.
- Ethical decision making.
- The fast pace of e-business.
- Growing technological sophistication.
- The need for skills in communicating and working with people, directing projects and managing change.
- Racial, cultural and gender diversity in the workforce.

Graduates with skills in these areas are likely to be recruited by:

- For-profit and not-for-profit organizations.
- High-tech firms.
- Large and small organizations.
- Management consulting firms.
- Service and manufacturing firms.

The salaries below reflect median salaries, not starting salaries.

Contact Information:

Business, W. P. Carey School of

Department of Management

<http://wpcarey.asu.edu/management-degree/index.cfm>

BA 323

wpcareymgt@asu.edu

480-965-3431

Management (Entrepreneurship), BS (BAMGTEBS)

Campus: TEMPE

Program Description: The entrepreneurship concentration prepares students to identify, evaluate and develop entrepreneurial opportunities, whether in existing companies or in new business ventures. The concentration is grounded in the management major's emphasis on collaboration, leadership, communication and team building, and adds refined analytical, managerial and leadership skills appropriate for people who want to change the world through new product development and innovation.

Students in the entrepreneurship concentration frequently collaborate with students from across the university, in particular students in the Design & the Arts Institute and the School of Sustainability. Additionally, the topic of sustainability is strongly emphasized throughout the curriculum. Graduates have the option of starting businesses or working for companies that value entrepreneurial abilities.

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 210 - Brief Calculus

Admission Requirements: Freshmen admission requirements: 1160 SAT Reasoning OR 25 ACT score, OR graduated in the top eight percent of high school class, OR an overall high school GPA of 3.60 in ASU competency courses (A=4.00).

Freshmen should select an additional major when applying for admission. Additional choices may include any of the W. P. Carey's Business BA programs or any other business or other degree program outside W. P. Carey School of Business. Students who are not admissible to a W. P. Carey Business BS major and who did not select a second major or are not admissible to their second major choice will be placed in a Business BA program in W. P. Carey School of Business.

Transfer admission requirements (30 or more semester hours of credit after high school): 3.00 transfer GPA AND 1160 SAT score OR 25 ACT score OR graduated in the top eight percent of high school class.

Transfer students should select an additional major when applying for admission. Additional choices may include any of the W. P. Carey's Business BA programs or any other business or other degree program outside W. P. Carey School of Business.

Students with less than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice will be placed in Exploratory--Social and Behavioral Sciences in University College.

Students with more than 45 transfer hours who are not admissible to University College will be contacted to select an appropriate major.

Transfer Agreements: ASU has partnered with the following institutions to enable you to do a seamless transfer:

Arizona Western College (<http://transfer.asu.edu/az-western>)

Central Arizona College (<http://transfer.asu.edu/central-az>)

Coconino Community College (<http://transfer.asu.edu/coconino>)

Eastern Arizona College (<http://transfer.asu.edu/eastern-az>)

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Pima Community College (<http://transfer.asu.edu/pima>)

Yavapai College (<http://transfer.asu.edu/yavapai>)

Career Opportunities: The entrepreneurship concentration within the management major prepares students for leadership in a world characterized by rapid new product development, short product life cycles, demands for continuous change and improvement and the need to move quickly to capture value from fleeting opportunities. Embedded within the entrepreneurship concentration is a consistent focus on integrating skill sets from a wide range of business disciplines, as it is requisite of all entrepreneurs to be conversant across an ever-changing landscape of issues. Graduates with these skills are likely to be recruited by smaller and family-owned firms, high-tech firms, for-profit and not-for-profit organizations, as well as larger organizations with an entrepreneurial bent. Management graduates also often start businesses. The salaries below reflect median salaries, not starting salaries.

Contact Information:

Business, W. P. Carey School of

Department of Management

<http://wpcarey.asu.edu/management-degree/index.cfm>

BA 323

wpcareymgt@asu.edu

480-965-3431

Marketing, BS (BAMKTBS)

Campus: TEMPE

Program Description: Students majoring in marketing gain an understanding of the science behind consumer behavior and the critical role that marketing plays in all organizations. In addition, they develop marketing skills that provide a competitive advantage in their careers. The nationally ranked and award-winning marketing faculty share a passion for teaching and mentoring undergraduate students. Faculty members provide many productive ways for students to get involved in the life of our department and work with business partners. The department is home to the Center for Services Leadership, the premier international center for the study of the science of services, and offers distinctive course work in professional

sales, relationship management and sports business.

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 210 - Brief Calculus

Admission Requirements: Freshmen admission requirements: 1160 SAT Reasoning OR 25 ACT score, OR graduated in the top eight percent of high school class.

Freshmen should select an additional major when applying for admission. Additional choices may include any of the W. P. Carey's Business BA programs or any other business or other degree program outside W. P. Carey School of Business. Students who are not admissible to a W. P. Carey Business BS major and who did not select a second major or are not admissible to their second major choice will be placed in a Business BA program in W. P. Carey School of Business.

Transfer admission requirements (30 or more semester hours of credit after high school): 3.00 transfer GPA AND 1160 SAT score OR 25 ACT score OR graduated in the top eight percent of high school class.

Transfer students should select an additional major when applying for admission. Additional choices may include any of the W. P. Carey's Business BA programs or any other business or other degree program outside W. P. Carey School of Business.

Students with less than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice will be placed in Exploratory--Social and Behavioral Sciences in University College.

Students with more than 45 transfer hours who are not admissible to University College will be contacted to select an appropriate major.

Transfer Agreements: ASU has partnered with the following institutions to enable you to do a seamless transfer:

Arizona Western College (<http://transfer.asu.edu/az-western>)

Central Arizona College (<http://transfer.asu.edu/central-az>)

Coconino Community College (<http://transfer.asu.edu/coconino>)

Eastern Arizona College (<http://transfer.asu.edu/eastern-az>)

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Pima Community College (<http://transfer.asu.edu/pima>)

Yavapai College (<http://transfer.asu.edu/yavapai>)

Career Opportunities: Through the proper selection of course work and other educational experiences, a marketing student may prepare for a variety of careers in areas such as:

- Business development.
- Business-to-business marketing.
- Customer relationship management.
- International marketing.
- Market research and information management.
- Marketing communications.
- Professional sales and relationship management.
- Retail management.
- Sales management.
- Services marketing.

The degree program provides fundamentals, flexibility and specialization opportunities.

Contact Information:

Business, W. P. Carey School of

Department of Marketing

<http://wpcarey.asu.edu/marketing/index.cfm>

BAC 460

wpcareymkt@asu.edu

480-965-3621

Supply Chain Management, BS (BASCMBMS)

Campus: TEMPE

Program Description: Supply chain managers coordinate the purchase of raw materials, manufacturing and transportation of materials across multiple vendors and multiple countries to provide the services and finished goods sitting on your local store shelf or online retailer. It is a key reason that you can buy an ever-increasing variety of goods and services at remarkably low prices.

The supply chain management program provides W. P. Carey School of Business students with an in-depth knowledge of integrated supply chain management. The curriculum focuses on:

- Execution systems.
- Logistics.

- Negotiations.
- Operations.
- Planning.
- Procurement.
- Strategy development.

Classes are small and use projects and case studies to bring the material to life.

Our program is consistently ranked as one of the top supply chain programs in the world, providing our students an opportunity to be recruited by many leading international companies in many different industries.

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 210 - Brief Calculus

Admission Requirements: Freshmen admission requirements: 1160 SAT Reasoning OR 25 ACT score, OR graduated in the top eight percent of high school class, OR an overall high school GPA of 3.60 in ASU competency courses (A=4.00).

Freshmen should select an additional major when applying for admission. Additional choices may include any of the W. P. Carey's Business BA programs or any other business or other degree program outside W. P. Carey School of Business. Students who are not admissible to a W. P. Carey Business BS major and who did not select a second major or are not admissible to their second major choice will be placed in a Business BA program in W. P. Carey School of Business.

Transfer admission requirements (30 or more semester hours of credit after high school): 3.00 transfer GPA AND 1160 SAT score OR 25 ACT score OR graduated in the top eight percent of high school class.

Transfer students should select an additional major when applying for admission. Additional choices may include any of the W. P. Carey's Business BA programs or any other business or other degree program outside W. P. Carey School of Business.

Students with less than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice will be placed in Exploratory--Social and Behavioral Sciences in University College.

Students with more than 45 transfer hours who are not admissible to University College will be contacted to select an appropriate major.

Transfer Agreements: ASU has partnered with the following institutions to enable you to do a seamless transfer:

Arizona Western College (<http://transfer.asu.edu/az-western>)

Central Arizona College (<http://transfer.asu.edu/central-az>)

Coconino Community College (<http://transfer.asu.edu/coconino>)

Eastern Arizona College (<http://transfer.asu.edu/eastern-az>)

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Pima Community College (<http://transfer.asu.edu/pima>)

Yavapai College (<http://transfer.asu.edu/yavapai>)

Career Opportunities: Career track progression can lead to the vice president level in supply-chain-related areas. Firms recruit ASU supply chain management graduates from around the world and in all sectors of the economy, including public and private, manufacturing, service, health care and retail. Students from our program are highly sought after, and we have excellent placements. The following are some positions that our graduates have been hired into:

- Buyer or planner.
- Commodity manager.
- Distribution manager.
- Internet marketing analyst.
- Inventory specialist.
- Logistics planner.
- Materials manager.
- Operations planner or analyst.
- Planner or analyst.
- Product forecaster.
- Production coordinator.
- Production line manager.
- Production scheduler.
- Quality control specialist.
- Supply management analyst.

Contact Information:

Business, W. P. Carey School of

Department of Supply Chain Management

<http://wpcarey.asu.edu/supply-chain-management/>

BA 446

Design & the Arts, Herberger Institute for

Architectural Studies, BSD (ARSTDBSD)

Campus: TEMPE

Program Description: Architects design buildings and environments that are useful, sustainable and aesthetically pleasing. This implies an understanding of people's needs; the science and technology of building; and the concepts of aesthetics. The faculty in The Design School offer a B.S.D. in architectural studies. In addition to developing knowledge and skills in architectural design, building technology, landscape architecture and professional practice, students are encouraged to select electives from a broad range of approved courses within the institute and across the university. These electives may be selected to devise a minor, to further professional study or in some other fashion enrich the student's academic experience.

This is an eight-semester program requiring sequential completion of studio course work (or approved equivalent) at any point of entry.

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 170 - Precalculus

Admission Requirements: Admission into the architectural studies and landscape architecture majors is selective. All applicants who select architectural studies or landscape architecture at the time of application also will be asked to select a second choice major. In the event you are not admitted to the architectural studies or landscape architecture major, you will be considered for admission to your second choice major. If you do not select a second choice major, you will be considered for admission into the B.A. in design studies. B.A. design studies students may take architecture and landscape architecture studio course work in the first year and attempt to successfully complete the degree milestone, or may choose to pursue a broader range of design courses in the design studies program.

First-time freshman applicants must meet the University Aptitude Standards (3.00 ABOR GPA or top 25% of class or 22 ACT or 1040 SAT) and the following University Competency Standards: applicant cannot have either an English or math deficiency.

Students who are admissible to Arizona State University, but who do not meet the above criteria are considered for admission to their second choice major.

Transfer applicants must have a transfer GPA of 3.00 for consideration for the architectural studies and landscape architecture majors.

All students who are admitted to the major must pass a degree milestone to continue in the major at the end of the first year. For more information on the milestone process, visit: <http://herbergerinstitute.asu.edu/degrees/milestone.php> (<http://herbergerinstitute.asu.edu/degrees/milestone.php>).

Career Opportunities: Graduates of the bachelor's program who wish to become licensed can complete their professional studies by attending graduate school and earning the accredited professional master's. In Arizona, other graduates work for registered architects for several years before taking their licensing examination. Some begin their careers working for small offices of 10 to 20 people; others work for very large firms, industries, corporations or governmental agencies.

Contact Information:

Design & the Arts, Herberger Institute for

The Design School

<http://herbergerinstitute.asu.edu/degrees/>

CDN 162

herbergeradvising@asu.edu

480-965-3536

Art (Art Education), BFA (FAARTEBFA)

Campus: TEMPE

Program Description: The B.F.A. in art with a concentration in art education involves:

- How instructors and administrators can best facilitate the teaching of art.
- How people learn about art.
- Policymaking in art.
- The study of art.

The program focuses on public and private K-12 instruction, art in higher education and educational programs in art museums. Students investigate issues in art teaching and learning from multiple perspectives, including:

- Art inquiry.
- Context.

- Development.
- Studio.
- Visual culture.

In addition to their art education course work, students are required to take course work in the various studio programs offered in the School of Art.

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 117 - College Algebra OR MAT 119 OR MAT 142

Admission Requirements: All art students will be admitted to ASU into the Bachelor of Arts (art studies) program. They must complete a series of requirements including foundational course work and successfully passing a portfolio review to be eligible for study in one of the school's Bachelor of Fine Arts degree programs, which include upper-division course work in the studio. There is no portfolio review process at the time of admission to ASU for freshmen.

Typically, students in their second year who are interested in studio art and art education will submit a portfolio for review after completing the core requirements and during completion of the last of the 12 hours of 200-level art requirements. Students interested in art history or museum studies will submit a declaration form in the semester in which they complete 30 hours. The student's major will be changed upon successful completion of the portfolio. Students may choose to remain in and complete the Bachelor of Arts (art studies) in which case no portfolio is required.

Transfer students who have completed the foundational core and pre-art requirements may submit a portfolio for review before they have been admitted to ASU. To complete an undergraduate degree in four years, it is recommended that community college transfer students, who are completing a two year degree and have completed the foundational core and pre-art requirements, apply and submit a portfolio in the semester they are completing their community college degree or the semester before they plan to enter Arizona State University.

Direct transfer of courses from other accredited institutions to the Herberger Institute for Design and the Arts are subject to 1) the existence of parallel and equal courses in the college's curriculum, and 2) departmental or school evaluation of studio courses with respect to performance standards.

Every candidate for the bachelor's degree must earn a minimum of 30 credit hours in resident credit at ASU. Transfer students enrolled in the college must complete a minimum of 15 credit hours of resident credit in the major as approved by the faculty.

Career Opportunities: Graduates who also complete the state certification requirements for an art specialist certificate can teach in public and private elementary schools, middle schools and high schools. Graduates who do not seek state certification may find opportunities for jobs with art museums and recreational or community service groups that offer art instruction.

Contact Information:

Design & the Arts, Herberger Institute for
School of Art

<http://art.asu.edu>

ART 102

herbergeradvising@asu.edu

480-965-3468

Art (Art History), BA (FAARTHBA)

Campus: ONLNE, TEMPE

Program Description: The B.A. in art history is a comprehensive degree designed to train students to engage with visuality in multiple ways. It offers a diverse curriculum intended to foster critical understanding of the aesthetics, production, patronage and consumption of art. Internationally recognized faculty offer classes across many cultures and time periods, geographies and multiple approaches and methodologies.

Additional Program Fee: N

Second Language Requirement: Y

First Required Math Course: MAT 117 - College Algebra OR MAT 119 OR MAT 142

Admission Requirements: Students meeting the university requirements for admission may matriculate in the Herberger Institute for Design and the Arts. Separate admission procedures and approvals are required for some programs within the college. Students must contact specific departments or schools for details.

Freshmen students applying to the Herberger Institute School of Art enter ASU as art exploratory majors in the School of Art. There is no portfolio review process at the time of admission to ASU for freshmen.

Typically students in their second year interested in studio art and art education will submit a portfolio for review once they have completed their core requirements and are completing the last of the 12 hours of 200-level art requirements; or if they are interested in art history or museum studies, they will submit a declaration form in the semester in which they complete 30 hours.

Direct transfer of courses from other accredited institutions to the Herberger Institute for Design and the Arts are subject to:

- the existence of parallel and equal courses in the college's curriculum, and
- departmental or school evaluation of studio courses with respect to performance standards.

Every candidate for the bachelor's degree must earn a minimum of 30 semester hours in resident credit at ASU. Transfer students enrolled in the college must complete a minimum of 15 semester hours of resident credit in the major as approved by the faculty.

Attend Online: ASU offers this program in a fully online format-no face-to-face sessions required. We offer six enrollment sessions throughout the year, and you learn in accelerated, 7.5-week classes.

Transfer Agreements: ASU has partnered with the following institutions to enable you to do a seamless transfer:
Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities: Graduates in art history at the bachelor's level find employment opportunities in commercial art galleries, entry-level jobs with art publications and in museums. A graduate degree is essential for professional jobs; a master's degree prepares individuals to teach at the community college level or to gain entry into museums, auction houses and publishing companies. The Ph.D. is a necessity for employment as a university or college teacher, and for responsible administrative posts in the museum and publishing world.

Contact Information:

Design & the Arts, Herberger Institute for
School of Art
<http://art.asu.edu>
ART 102
herbergeradvising@asu.edu
480-965-3468

Art (Art Studies), BA (FAARTSTDBA)

Campus: TEMPE

Program Description: The art studies curriculum offers students a broad educational foundation in the arts and general studies. The B.A. in art with a concentration in art studies is an interdisciplinary program featuring course work in art history, studio art, performing arts and a range of arts-related courses throughout the university. This concentration offers students a great deal of flexibility in planning course work. The scope of offerings in art and elsewhere on campus is unparalleled at smaller institutions. An art studies student can assemble an art-related curriculum focused on individual student needs, in consultation with a faculty advisor.

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 117 - College Algebra OR MAT 119 OR MAT 142

Admission Requirements: Students meeting the university requirements for admission may matriculate in the Herberger Institute for Design and the Arts. Separate admission procedures and approvals are required for some programs within the college. Students must contact specific departments or schools for details.

Freshmen may apply directly to the Art Studies program; there is no portfolio review for this major.

Direct transfer of courses from other accredited institutions to the Herberger Institute for Design and the Arts are subject to:

- the existence of parallel and equal courses in the college's curriculum, and
- departmental or school evaluation of studio courses with respect to performance standards.

Every candidate for the bachelor's degree must earn a minimum of 30 semester hours in resident credit at ASU. Transfer students enrolled in the college must complete a minimum of 15 semester hours of resident credit in the major as approved by the faculty.

Career Opportunities: Graduates work in arts-related fields such as:

- Arts administration.
- Galleries.
- Service-related art fields.

Career opportunities are also available with employers who seek graduates with a well-rounded humanities education.

Contact Information:

Design & the Arts, Herberger Institute for
School of Art
<http://art.asu.edu>
ART 102
herbergeradvising@asu.edu
480-965-3468

Art (Ceramics), BFA (FAARTCBFA)

Campus: TEMPE

Program Description: The B.F.A. ceramics program provides a stimulating and challenging environment for artistic and intellectual growth. With the realization that discipline, familiarity with historical precedents, and freedom go hand in hand with creative activities, the area strives to strike a balance between the acquisition of traditional skills and the promotion of independence and innovation. Responsibility is placed on the individual student to find personally meaningful content and an effective means to express that content within the ceramic arts. The ceramics program features a complete and varied line of kilns, wheels and other equipment. World-renowned faculty ensure that graduates of the program learn the techniques and concepts that will enable their work to take any direction they wish. A strong guest artist schedule enhances the program and the Ceramics Research Center at the ASU Art Museum, with its collection of more than 3,000 pieces, provides unparalleled opportunities to study and research ceramics.

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 117 - College Algebra OR MAT 119 OR MAT 142

Admission Requirements: All art students will be admitted to ASU into the Bachelor of Arts (art studies) program. They must complete a series of requirements including foundational course work and successfully passing a portfolio review to be eligible for study in one of the school's Bachelor of Fine Arts degree programs, which include upper-division course work in the studio. There is no portfolio review process at the time of admission to ASU for freshmen.

Typically, students in their second year who are interested in studio art and art education will submit a portfolio for review after completing the core requirements and during completion of the last of the 12 hours of 200-level art requirements. Students interested in art history or museum studies will submit a declaration form in the semester in which they complete 30 hours. The student's major will be changed upon successful completion of the portfolio. Students may choose to remain in and complete the Bachelor of Arts (art studies) in which case no portfolio is required.

Transfer students who have completed the foundational core and pre-art requirements may submit a portfolio for review before they have been admitted to ASU. To complete an undergraduate degree in four years, it is recommended that community college transfer students, who are completing a two year degree and have completed the foundational core and pre-art requirements, apply and submit a portfolio in the semester they are completing their community college degree or the semester before they plan to enter Arizona State University.

Direct transfer of courses from other accredited institutions to the Herberger Institute for Design and the Arts are subject to 1) the existence of parallel and equal courses in the college's curriculum, and 2) departmental or school evaluation of studio courses with respect to performance standards.

Every candidate for the bachelor's degree must earn a minimum of 30 credit hours in resident credit at ASU. Transfer students enrolled in the college must complete a minimum of 15 credit hours of resident credit in the major as approved by the faculty.

Career Opportunities: Graduates of the undergraduate and graduate programs work as artists in the field, selling their works through commercial galleries, commissions and to private collectors. Some artists work as designers and consultants to the commercial ceramic industry; others set up their own businesses, producing hand-crafted functional ware, architectural tiles and one-of-a-kind works.

Contact Information:

Design & the Arts, Herberger Institute for

School of Art

<http://art.asu.edu>

ART 102

herbergeradvising@asu.edu

480-965-3468

Art (Drawing), BFA (FAARTDBFA)

Campus: TEMPE

Program Description: The B.F.A. drawing program offers a learning environment for creative, intellectual and technical growth that leads to quality art practice and professionalism. The program encourages a wide spectrum of approaches to contemporary drawing as visual expression, ranging from traditional to innovative. Students work under the guidance of a large full-time faculty of active professionals who are nationally and internationally recognized. Visiting artists of national stature enhance the program with lectures and individual undergraduate critiques.

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 117 - College Algebra OR MAT 119 OR MAT 142

Admission Requirements: All art students will be admitted to ASU into the Bachelor of Arts (art studies) program. They must complete a series of requirements including foundational course work and successfully passing a portfolio review to be eligible for study in one of the school's Bachelor of Fine Arts degree programs, which include upper-division course work in the studio. There is no portfolio review process at the time of admission to ASU for freshmen.

Typically, students in their second year who are interested in studio art and art education will submit a portfolio for review after completing the core

requirements and during completion of the last of the 12 hours of 200-level art requirements. Students interested in art history or museum studies will submit a declaration form in the semester in which they complete 30 hours. The student's major will be changed upon successful completion of the portfolio. Students may choose to remain in and complete the Bachelor of Arts (art studies) in which case no portfolio is required.

Transfer students who have completed the foundational core and pre-art requirements may submit a portfolio for review before they have been admitted to ASU. To complete an undergraduate degree in four years, it is recommended that community college transfer students, who are completing a two year degree and have completed the foundational core and pre-art requirements, apply and submit a portfolio in the semester they are completing their community college degree or the semester before they plan to enter Arizona State University.

Direct transfer of courses from other accredited institutions to the Herberger Institute for Design and the Arts are subject to 1) the existence of parallel and equal courses in the college's curriculum, and 2) departmental or school evaluation of studio courses with respect to performance standards.

Every candidate for the bachelor's degree must earn a minimum of 30 credit hours in resident credit at ASU. Transfer students enrolled in the college must complete a minimum of 15 credit hours of resident credit in the major as approved by the faculty.

Career Opportunities: Graduates complete the program with drawing skills that enable them to apply for positions that require knowledge in drawing or two-dimensional conceptual skills. Further education, either formal or informal, is usually necessary to refine their skills in a very competitive marketplace. Many graduates continue their education in an M.F.A. graduate program, which allows them to develop their talent further and to teach. Some take jobs in related fields, such as galleries and museums, allowing them to continue producing their own creative work.

Contact Information:

Design & the Arts, Herberger Institute for

School of Art

<http://art.asu.edu>

ART 102

herbergeradvising@asu.edu

480-965-3468

Art (Fibers), BFA (FAARTFBFA)

Campus: TEMPE

Program Description: The B.F.A. fibers program cultivates an environment that stimulates creative and intellectual growth. Students are encouraged to discover their distinctive expression informed by knowledge and skills related to surface design, woven structures and 3-D structures. Course work covers processes from basic carding, spinning, dyeing and felting to the use of the loom. Throughout, students are challenged to utilize and interpret textile traditions while considering innovative and interdisciplinary approaches to contemporary art.

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 117 - College Algebra OR MAT 119 OR MAT 142

Admission Requirements: All art students will be admitted to ASU into the Bachelor of Arts (art studies) program. They must complete a series of requirements including foundational course work and successfully passing a portfolio review to be eligible for study in one of the school's Bachelor of Fine Arts degree programs, which include upper-division course work in the studio. There is no portfolio review process at the time of admission to ASU for freshmen.

Typically, students in their second year who are interested in studio art and art education will submit a portfolio for review after completing the core requirements and during completion of the last of the 12 hours of 200-level art requirements. Students interested in art history or museum studies will submit a declaration form in the semester in which they complete 30 hours. The student's major will be changed upon successful completion of the portfolio. Students may choose to remain in and complete the Bachelor of Arts (art studies) in which case no portfolio is required.

Transfer students who have completed the foundational core and pre-art requirements may submit a portfolio for review before they have been admitted to ASU. To complete an undergraduate degree in four years, it is recommended that community college transfer students, who are completing a two year degree and have completed the foundational core and pre-art requirements, apply and submit a portfolio in the semester they are completing their community college degree or the semester before they plan to enter Arizona State University.

Direct transfer of courses from other accredited institutions to the Herberger Institute for Design and the Arts are subject to 1) the existence of parallel and equal courses in the college's curriculum, and 2) departmental or school evaluation of studio courses with respect to performance standards.

Every candidate for the bachelor's degree must earn a minimum of 30 credit hours in resident credit at ASU. Transfer students enrolled in the college must complete a minimum of 15 credit hours of resident credit in the major as approved by the faculty.

Career Opportunities: Graduates are prepared to establish their own studios and begin making art or design fabrics for use as interior fabrics or as one-of-a-kind garments. Students are also prepared to begin a graduate program. Some undergraduates have gone to New York City to work in the field of designing textiles. Others prefer to focus on their own art for exhibition. Graduates also set up their own studios and design wearable or fabrics for interior use, while others make their living by doing commissioned work for interior spaces.

Contact Information:

Design & the Arts, Herberger Institute for

School of Art

<http://art.asu.edu>
ART 102
herbergeradvising@asu.edu
480-965-3468

Art (Intermedia), BFA (FAARTIBFA)

Campus: TEMPE

Program Description: The B.F.A. intermedia program is a conceptually driven program with an interdisciplinary approach to art-making. Students work with experimental studio practices, performance and digital media to explore new avenues for self-expression, collaborative practice and community action. The program covers a wide range of conceptual and media orientations reflecting the professional practices of a growing team of faculty members. Currently, emphasis in performance, installation, mixed media, digital video, digital sculpture, animation and Web art are offered. Interaction and collaboration across other areas in the School of Art, including sculpture and photography, are encouraged and supported.

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 117 - College Algebra OR MAT 119 OR MAT 142

Admission Requirements: All art students will be admitted to ASU into the Bachelor of Arts (art studies) program. They must complete a series of requirements including foundational course work and successfully passing a portfolio review to be eligible for study in one of the school's Bachelor of Fine Arts degree programs, which include upper-division course work in the studio. There is no portfolio review process at the time of admission to ASU for freshmen.

Typically, students in their second year who are interested in studio art and art education will submit a portfolio for review after completing the core requirements and during completion of the last of the 12 hours of 200-level art requirements. Students interested in art history or museum studies will submit a declaration form in the semester in which they complete 30 hours. The student's major will be changed upon successful completion of the portfolio. Students may choose to remain in and complete the Bachelor of Arts (art studies) in which case no portfolio is required.

Transfer students who have completed the foundational core and pre-art requirements may submit a portfolio for review before they have been admitted to ASU. To complete an undergraduate degree in four years, it is recommended that community college transfer students, who are completing a two year degree and have completed the foundational core and pre-art requirements, apply and submit a portfolio in the semester they are completing their community college degree or the semester before they plan to enter Arizona State University.

Direct transfer of courses from other accredited institutions to the Herberger Institute for Design and the Arts are subject to 1) the existence of parallel and equal courses in the college's curriculum, and 2) departmental or school evaluation of studio courses with respect to performance standards.

Every candidate for the bachelor's degree must earn a minimum of 30 credit hours in resident credit at ASU. Transfer students enrolled in the college must complete a minimum of 15 credit hours of resident credit in the major as approved by the faculty.

Career Opportunities: Career opportunities depend on the emphasis selected. Possibilities include:

- Computer graphics and animation.
- Independent artist.
- Media consultant.
- Museum or gallery installation.
- Positions in the music/entertainment industry.
- Set designer.
- Teacher.
- Videography.

Contact Information:

Design & the Arts, Herberger Institute for
School of Art
<http://art.asu.edu>
ART 102
herbergeradvising@asu.edu
480-965-3468

Art (Metals), BFA (FAARTMBFA)

Campus: TEMPE

Program Description: The B.F.A. metals program offers a wide range of traditional and nontraditional approaches to:

- Attention to detail.
- Creativity.

- Critical thinking.
- Emphasizing craft skills.
- Metalworking.

A well-equipped studio with a wide variety of metal-smithing tools is offered. Students explore the close relationship with the School of Art's sculpture and foundry programs, learn important entrepreneurial skills and receive a strong foundation in technical vocabulary and methods for working with metal while being encouraged to experiment with alternative materials and techniques.

Students have the opportunity to gain knowledge and skills through additional educational opportunities that include:

- Conferences and symposia.
- Internship possibilities.
- Lectures.
- Visiting artists.
- Visits to artist studios, museums and exhibitions.
- Workshops.

ASU is located in proximity to numerous galleries and museums as well as local organizations such as:

- The Arizona Artist-Blacksmith Association.
- The Arizona Designer Craftsmen.
- Metalink.

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 117 - College Algebra OR MAT 119 OR MAT 142

Admission Requirements: All art students will be admitted to ASU into the Bachelor of Arts (art studies) program. They must complete a series of requirements including foundational course work and successfully passing a portfolio review to be eligible for study in one of the school's Bachelor of Fine Arts degree programs, which include upper-division course work in the studio. There is no portfolio review process at the time of admission to ASU for freshmen.

Typically, students in their second year who are interested in studio art and art education will submit a portfolio for review after completing the core requirements and during completion of the last of the 12 hours of 200-level art requirements. Students interested in art history or museum studies will submit a declaration form in the semester in which they complete 30 hours. The student's major will be changed upon successful completion of the portfolio. Students may choose to remain in and complete the Bachelor of Arts (art studies) in which case no portfolio is required.

Transfer students who have completed the foundational core and pre-art requirements may submit a portfolio for review before they have been admitted to ASU. To complete an undergraduate degree in four years, it is recommended that community college transfer students, who are completing a two year degree and have completed the foundational core and pre-art requirements, apply and submit a portfolio in the semester they are completing their community college degree or the semester before they plan to enter Arizona State University.

Direct transfer of courses from other accredited institutions to the Herberger Institute for Design and the Arts are subject to 1) the existence of parallel and equal courses in the college's curriculum, and 2) departmental or school evaluation of studio courses with respect to performance standards.

Every candidate for the bachelor's degree must earn a minimum of 30 credit hours in resident credit at ASU. Transfer students enrolled in the college must complete a minimum of 15 credit hours of resident credit in the major as approved by the faculty.

Career Opportunities: Graduates find opportunities in jewelry firms or work in independent production as one-of-a-kind jewelers in their own businesses. Many students further their opportunities by going on to complete the M.F.A.

Contact Information:

Design & the Arts, Herberger Institute for

School of Art

<http://art.asu.edu/>

ART 102

herbergeradvising@asu.edu

480-965-3468

Art (Museum Studies), BA (FAARTMSBA)

Campus: TEMPE

Program Description: Museum studies students explore:

- Art galleries.
- Art history.
- Art museums.

- Public Art programs
- Visual arts organizations.

The B.A. in art with a concentration in museum studies undergraduate program at ASU is one of the most rigorous in the U.S. The program develops students knowledgeable in:

- Art history.
- Critical writing skills.
- Foreign languages.
- Museums, galleries and visual arts organizations.

The curriculum includes art history courses taught by faculty with diverse specialties. Museum professionals and arts administrator teach specialized classes in their areas of expertise. Internships enable students to work directly with working arts professional in their field of interest. Students must take courses in:

- Art history.
- Galleries and museums.
- Research.
- Small business.
- Coursework may also include classes in small business, non-profit management, and arts policy.

Students must also demonstrate an ability to read at least one foreign language.

Additional Program Fee: N

Second Language Requirement: Y

First Required Math Course: MAT 117 - College Algebra OR MAT 119 OR MAT 142

Admission Requirements: Students meeting the university requirements for admission may matriculate in the Herberger Institute for Design and the Arts. Separate admission procedures and approvals are required for some programs within the college. Students must contact specific departments or schools for details.

Freshmen students applying to the Herberger Institute School of Art enter ASU as art exploratory majors in the School of Art. There is no portfolio review process at the time of admission to ASU for freshmen.

Typically students in their second year interested in studio art and art education will submit a portfolio for review once they have completed their core requirements and are completing the last of the 12 hours of 200-level art requirements; or if they are interested in art history or museum studies, they will submit a declaration form in the semester in which they complete 30 hours.

Direct transfer of courses from other accredited institutions to the Herberger Institute for Design and the Arts are subject to:

- the existence of parallel and equal courses in the college's curriculum, and
- departmental or school evaluation of studio courses with respect to performance standards.

Every candidate for the bachelor's degree must earn a minimum of 30 hours in resident credit at ASU. Transfer students enrolled in the college must complete a minimum of 15 hours of resident credit in the major as approved by the faculty.

Transfer Agreements: ASU has partnered with the following institutions to enable you to do a seamless transfer:

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities: Museum studies graduates find employment possibilities in art galleries, art-based organizations and entry-level positions with art publications and museums. A graduate degree is necessary for professional positions. An M.A. prepares individuals to teach at community colleges and to gain entry into museums, auction houses and publishing companies. The Ph.D. is necessary for employment as a faculty member at a university or for administrative posts in museums and higher education.

Contact Information:

Design & the Arts, Herberger Institute for
School of Art
<http://art.asu.edu/>
ART 102
herbergeradvising@asu.edu
480-965-3468

Art (Painting), BFA (FAARTPABFA)

Campus: TEMPE

Program Description: The B.F.A. painting program offers a learning environment for creative, intellectual and technical growth that leads to quality

art practice and professionalism. The program encourages a wide spectrum of approaches to contemporary painting as visual expression, ranging from traditional to innovative. Students work under the guidance of a large full-time faculty of active professionals who are nationally and internationally recognized. Visiting artists of national stature enhance the program with lectures and individual undergraduate critiques.

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 117 - College Algebra OR MAT 119 OR MAT 142

Admission Requirements: All art students will be admitted to ASU into the Bachelor of Arts (art studies) program. They must complete a series of requirements including foundational course work and successfully passing a portfolio review to be eligible for study in one of the school's Bachelor of Fine Arts degree programs, which include upper-division course work in the studio. There is no portfolio review process at the time of admission to ASU for freshmen.

Typically, students in their second year who are interested in studio art and art education will submit a portfolio for review after completing the core requirements and during completion of the last of the 12 hours of 200-level art requirements. Students interested in art history or museum studies will submit a declaration form in the semester in which they complete 30 hours. The student's major will be changed upon successful completion of the portfolio. Students may choose to remain in and complete the Bachelor of Arts (art studies) in which case no portfolio is required.

Transfer students who have completed the foundational core and pre-art requirements may submit a portfolio for review before they have been admitted to ASU. To complete an undergraduate degree in four years, it is recommended that community college transfer students, who are completing a two year degree and have completed the foundational core and pre-art requirements, apply and submit a portfolio in the semester they are completing their community college degree or the semester before they plan to enter Arizona State University.

Direct transfer of courses from other accredited institutions to the Herberger Institute for Design and the Arts are subject to 1) the existence of parallel and equal courses in the college's curriculum, and 2) departmental or school evaluation of studio courses with respect to performance standards.

Every candidate for the bachelor's degree must earn a minimum of 30 credit hours in resident credit at ASU. Transfer students enrolled in the college must complete a minimum of 15 credit hours of resident credit in the major as approved by the faculty.

Career Opportunities: Graduates complete the program with the painting skills that enable them to apply for positions that require knowledge in painting or two-dimensional conceptual skills. Further education, either formal or informal, is usually necessary to refine their skills in a very competitive marketplace. Many graduates continue their education in an M.F.A. graduate program, which allows them to develop their talent further and to teach. Some take jobs in related fields, such as galleries and museums, allowing them to continue their own creative work.

Contact Information:

Design & the Arts, Herberger Institute for

School of Art

<http://art.asu.edu/>

ART 102

herbergeradvising@asu.edu

480-965-3468

Art (Photography), BFA (FAARTPHBFA)

Campus: TEMPE

Program Description: The B.F.A. photography program offers students a broad-based educational experience centering around light sensitive systems. The photography faculty at ASU is significant in size and diverse in background and creative practice, making possible a wide range of options for students. Students work in 19th-century processes, a state-of-the-art digital lab, traditional black-and-white darkrooms and in collaboration with printmakers and intermedia artists. The program includes course work in criticism and theory as well as gallery and museum practice. Northlight Gallery grants students the opportunity to engage with photographic artists from around the world, as well as providing experience with collections and exhibition opportunities.

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 117 - College Algebra OR MAT 119 OR MAT 142

Admission Requirements: All art students will be admitted to ASU into the Bachelor of Arts (art studies) program. They must complete a series of requirements including foundational course work and successfully passing a portfolio review to be eligible for study in one of the school's Bachelor of Fine Arts degree programs, which include upper-division course work in the studio. There is no portfolio review process at the time of admission to ASU for freshmen.

Typically, students in their second year who are interested in studio art and art education will submit a portfolio for review after completing the core requirements and during completion of the last of the 12 hours of 200-level art requirements. Students interested in art history or museum studies will submit a declaration form in the semester in which they complete 30 hours. The student's major will be changed upon successful completion of the portfolio. Students may choose to remain in and complete the Bachelor of Arts (art studies) in which case no portfolio is required.

Transfer students who have completed the foundational core and pre-art requirements may submit a portfolio for review before they have been admitted to ASU. To complete an undergraduate degree in four years, it is recommended that community college transfer students, who are completing a two year degree and have completed the foundational core and pre-art requirements, apply and submit a portfolio in the semester they

are completing their community college degree or the semester before they plan to enter Arizona State University.

Direct transfer of courses from other accredited institutions to the Herberger Institute for Design and the Arts are subject to 1) the existence of parallel and equal courses in the college's curriculum, and 2) departmental or school evaluation of studio courses with respect to performance standards.

Every candidate for the bachelor's degree must earn a minimum of 30 credit hours in resident credit at ASU. Transfer students enrolled in the college must complete a minimum of 15 credit hours of resident credit in the major as approved by the faculty.

Career Opportunities: A degree in the arts offers students a pathway to a rich and varied choice of careers. Students with a photography degree may work as independent studio photographers or contract for commercial work for firms, museums, galleries, individuals and other artists. The B.F.A. is essential for advanced study leading to the terminal M.F.A. This advanced degree offers opportunities in:

- Curatorial work in galleries, museums and historical collections.
- History or studio areas.
- Nonprofit arts organization management.
- University teaching.

Contact Information:

Design & the Arts, Herberger Institute for
School of Art
<http://art.asu.edu/>
ART 102
herbergeradvising@asu.edu
480-965-3468

Art (Printmaking), BFA (FAARTPMBFA)

Campus: TEMPE

Program Description: The B.F.A. printmaking program provides a complete studio experience with regular courses in:

- Book arts.
- Intaglio.
- Lithography.
- Monotype.
- Other graphic applications.
- Papermaking.
- Relief.
- Screenprint.

Accomplished faculty teach in spacious, well-equipped studios, offering a complete range of print media. While individual students are encouraged to pursue a personal direction, the faculty encourages students to become well-rounded printmakers by experiencing and understanding many media and processes, including experimentation and interdisciplinary approaches to making art. No style, technique or aesthetic approach is stressed over another, so that the individual quality of each student's work is the essential measure of achievement. Collaboration is encouraged and students often work with other areas in the School of Art, particularly photography and intermedia.

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 117 - College Algebra OR MAT 119 OR MAT 142

Admission Requirements: All art students will be admitted to ASU into the Bachelor of Arts (art studies) program. They must complete a series of requirements including foundational course work and successfully passing a portfolio review to be eligible for study in one of the school's Bachelor of Fine Arts degree programs, which include upper-division course work in the studio. There is no portfolio review process at the time of admission to ASU for freshmen.

Typically, students in their second year who are interested in studio art and art education will submit a portfolio for review after completing the core requirements and during completion of the last of the 12 hours of 200-level art requirements. Students interested in art history or museum studies will submit a declaration form in the semester in which they complete 30 hours. The student's major will be changed upon successful completion of the portfolio. Students may choose to remain in and complete the Bachelor of Arts (art studies) in which case no portfolio is required.

Transfer students who have completed the foundational core and pre-art requirements may submit a portfolio for review before they have been admitted to ASU. To complete an undergraduate degree in four years, it is recommended that community college transfer students, who are completing a two year degree and have completed the foundational core and pre-art requirements, apply and submit a portfolio in the semester they are completing their community college degree or the semester before they plan to enter Arizona State University.

Direct transfer of courses from other accredited institutions to the Herberger Institute for Design and the Arts are subject to 1) the existence of parallel and equal courses in the college's curriculum, and 2) departmental or school evaluation of studio courses with respect to performance standards.

Every candidate for the bachelor's degree must earn a minimum of 30 credit hours in resident credit at ASU. Transfer students enrolled in the college must complete a minimum of 15 credit hours of resident credit in the major as approved by the faculty.

Career Opportunities: Trained printmakers are working artists, practicing the expression of a personal understanding of their place in the world. They may find employment as artists or printmakers in schools of all levels teaching the execution and appreciation of visual art. They also work in fine art print studios, executing original prints for other artists. Printmaking skills such as screenprinting or photomechanical, and digital techniques, acquired for the production of art, also have commercial, nonart applications that may afford skilled employment. Artists with printmaking skills may also work with graphic designs, illustrations and signage or may work in museums, conservation, publishing, galleries and in other art-related activities. Additionally, their art may sell successfully in the open marketplace.

Contact Information:

Design & the Arts, Herberger Institute for
School of Art
<http://art.asu.edu/>
ART 102
herbergeradvising@asu.edu
480-965-3468

Art (Sculpture), BFA (FAARTSBFA)

Campus: TEMPE

Program Description: The B.F.A. sculpture program recognizes the broad, interdisciplinary nature of sculpture today. A wide range of media now falls within an expanded definition of sculpture. Course work includes:

- Architectural sculpture.
- Foundry.
- Interactive and kinetic sculpture.
- More traditional forms of 3-D expression, including metal and wood.
- Neon.
- Video installation.

While classes run the gamut of the contemporary sculpture environment, there also is an emphasis on helping students put today's creations in the contexts of the history of sculpture and the larger field of contemporary art. Critical inquiry is augmented by courses in the art history program. Visiting artists, curators and critics connect students to the contemporary context.

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 117 - College Algebra OR MAT 119 OR MAT 142

Admission Requirements: All art students will be admitted to ASU into the Bachelor of Arts (art studies) program. They must complete a series of requirements including foundational course work and successfully passing a portfolio review to be eligible for study in one of the school's Bachelor of Fine Arts degree programs, which include upper-division course work in the studio. There is no portfolio review process at the time of admission to ASU for freshmen.

Typically, students in their second year who are interested in studio art and art education will submit a portfolio for review after completing the core requirements and during completion of the last of the 12 hours of 200-level art requirements. Students interested in art history or museum studies will submit a declaration form in the semester in which they complete 30 hours. The student's major will be changed upon successful completion of the portfolio. Students may choose to remain in and complete the Bachelor of Arts (art studies) in which case no portfolio is required.

Transfer students who have completed the foundational core and pre-art requirements may submit a portfolio for review before they have been admitted to ASU. To complete an undergraduate degree in four years, it is recommended that community college transfer students, who are completing a two year degree and have completed the foundational core and pre-art requirements, apply and submit a portfolio in the semester they are completing their community college degree or the semester before they plan to enter Arizona State University.

Direct transfer of courses from other accredited institutions to the Herberger Institute for Design and the Arts are subject to 1) the existence of parallel and equal courses in the college's curriculum, and 2) departmental or school evaluation of studio courses with respect to performance standards.

Every candidate for the bachelor's degree must earn a minimum of 30 credit hours in resident credit at ASU. Transfer students enrolled in the college must complete a minimum of 15 credit hours of resident credit in the major as approved by the faculty.

Career Opportunities: Graduates are prepared to embark on a lifetime exploration of the many aspects of 3-D art. Positions are available in teaching, the fabrication and design of exhibitions, set design, the motion picture industry, welding and 3-D design. Academic posts and positions with museums generally require advanced degrees. Many students also prefer to establish their own studios after graduation.

Contact Information:

Design & the Arts, Herberger Institute for
School of Art

<http://art.asu.edu/>
ART 102
herbergeradvising@asu.edu
480-965-3468

Arts (BA in the Arts), BA (FAATSBA)

Campus: TEMPE

Program Description: The B.A. in the arts is a broad-based liberal arts degree program designed for students who are passionate about the arts but wish to explore alternatives to the institute's discipline-specific degree programs. Students will gain an increased understanding of the theoretical, historical and cultural forces that shape the arts, through an open-ended path for exploration and development of a range of skills that will be valuable for advanced study in multiple disciplines.

The major includes a common core for all students, and students choose a focus from:

- An individualized focus designed by the student and subject to approval by the institute's standards committee and the dean's office.
- Arts administration.
- Digital culture.
- Historical and theoretical studies in the arts.

Applicants interested in pursuing the focus area in digital culture, which emphasizes the ways in which our digitally-mediated environments are changing our experience and evolving our culture, must have a minimum high school G.P.A. of 3.00 and an 1100 SAT or 24 ACT standardized test score. This emphasis also requires MAT 210.

Additional Program Fee: N

Second Language Requirement: Students pursuing the historical and theoretical studies focus area must demonstrate foreign language proficiency. Remaining focus areas do not have a second language requirement.

First Required Math Course: MAT 117 - College Algebra OR MAT 119 OR MAT 142

Career Opportunities: As the population in the state of Arizona grows, numerous arts organizations are developing to provide cultural and artistic experiences for our residents. These organizations will need and demand individuals with the necessary critical thinking skills who understand the impact the arts have on society and who will be passionate employees committed to the arts. This degree will provide the skill set necessary for careers as:

- Arts administrators.
- Arts critics.
- Media arts authors and publishers.
- Media arts educators.
- Media arts system developers.
- Museum curators and directors.
- Public art specialists.

Contact Information:

Design & the Arts, Herberger Institute for
Dean, Herberger Institute for Design and the Arts
http://herbergerinstitute.asu.edu/degrees/ba_arts/
CDS 101
herbergeradvising@asu.edu
480-965-4495

Dance, BFA (FADANBFA)

Campus: TEMPE

Program Description: The School of Dance provides a dynamic and culturally diverse learning environment in which students develop as creative artists, scholars and educators. The B.F.A. in dance provides an interdisciplinary curriculum promoting innovative collaborations and a holistic approach to acquiring skills for successful career transitions. The core program values of creativity and research are embedded in a broad range of academic experiences that emphasize:

- Artistic process.
- Leadership.
- Movement and creative practices.
- Pedagogy.

Through classes, internships and apprenticeships, as well as careful advisement and guidance from the faculty, students discover individual strengths, the power of community engagement and establish unique goals in the dance field.

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 117 - College Algebra OR MAT 119 OR MAT 142

Admission Requirements: Students are admitted as dance interview majors and must successfully complete an interview and audition before enrolling in courses. Because entrance into the School of Dance is selective, you also will be asked to indicate your second choice major. If you pass your interview, the School of Dance will change your major to dance. In the event that you are admitted to ASU, but not selected for the School of Dance, you will be placed in your second major choice indicated at the time of application.

Interview days take place in November and February of each year. To ensure a smooth curricular progression, we strongly encourage all prospective dance students, including transfer students, to participate in the interview day during the semester prior to their intended date of enrollment. More information on the interview process and deadlines can be found at

<http://dance.asu.edu/students/undergrad/prospective/applying.php> (<http://dance.asu.edu/students/undergrad/prospective/applying.php>).

The deadline for applying to ASU for admission to the dance program for fall 2011 was February 18, 2011. Applications are no longer being accepted for fall 2011.

The deadline for applying to ASU for admission to the dance program for spring 2012 is November 4, 2011.

The deadline for applying to ASU for admission to the dance program for fall 2012 is January 27, 2012.

Students must select a different major when applying to ASU after these deadlines. Students may participate in the interview day held during their first semester at ASU. The School of Dance will change their major to dance if they pass the interview.

Direct transfer of courses from other accredited institutions to the Herberger Institute for Design and the Arts are subject to:

- The existence of parallel and equal courses in the college's curriculum.
- Departmental or school evaluation of studio courses with respect to performance standards.

Every candidate for the bachelor's degree must earn a minimum of 30 hours in resident credit at ASU. Transfer students enrolled in the institute must complete a minimum of 15 hours of resident credit in the major as approved by the faculty.

Career Opportunities: The comprehensive academic foundation of the Bachelor of Fine Arts degree in Dance prepares students to be leading dance professionals of the 21st century. Graduates of the B.F.A. program have the expertise and broad experience to initiate and lead artistic projects in diverse contexts, perform in a broad range of work, choreograph and collaborate. In addition, graduates:

- Conduct research.
- Direct or manage performing arts companies, studios or dance-related organizations.
- Facilitate community partnerships and projects.
- Produce dance media for performance or instruction.
- Teach and design curriculum.
- Work in technical theatre and dance production.
- Work in the field of arts management.
- Write scholarly publications.

Contact Information:

Design & the Arts, Herberger Institute for

School of Dance

<http://dance.asu.edu/>

PEBE 107A

herbergeradvising@asu.edu

480-965-5029

Dance (Dance Education), BFA (FADANEBFA)

Campus: TEMPE

Program Description: The B.F.A. in dance education prepares students for certification to teach dance in K-12 schools in the state of Arizona. Students in this degree program are required to complete additional state certification requirements. The School of Dance provides a dynamic and culturally diverse learning environment where students develop as creative artists, scholars and educators. Studies in dance cultures, music, digital media, dance history, philosophy and criticism, movement science, somatics, and stage and screen production enhance the rich educational setting. Creativity and research, the core program values, are embedded in a broad range of academic experiences emphasizing movement and creative practices, artistic process, leadership and pedagogy.

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 117 - College Algebra OR MAT 119 OR MAT 142

Admission Requirements: Students are admitted as dance interview majors and must successfully complete an interview and audition before enrolling in courses. Because entrance into the School of Dance is selective, you also will be asked to indicate your second choice major. If you pass your interview, the School of Dance will change your major to dance. In the event that you are admitted to ASU, but not selected for the School of Dance, you will be placed in your second major choice indicated at the time of application.

Interview days take place in November and February of each year. To ensure a smooth curricular progression, we strongly encourage all prospective dance students, including transfer students, to participate in the interview day during the semester prior to their intended date of enrollment. More information on the interview process and deadlines can be found at

<http://dance.asu.edu/students/undergrad/prospective/applying.php> (<http://dance.asu.edu/students/undergrad/prospective/applying.php>).

The deadline for applying to ASU for admission to the dance program for fall 2011 was February 18, 2011. Applications are no longer being accepted for fall 2011.

The deadline for applying to ASU for admission to the dance program for spring 2012 is November 4, 2011.

The deadline for applying to ASU for admission to the dance program for fall 2012 is January 27, 2012.

Students must select a different major when applying to ASU after these deadlines. Students may participate in the interview day held during their first semester at ASU. The School of Dance will change their major to dance if they pass the interview.

Direct transfer of courses from other accredited institutions to the Herberger Institute for Design and the Arts are subject to:

- The existence of parallel and equal courses in the college's curriculum.
- Departmental or school evaluation of studio courses with respect to performance standards.

Every candidate for the bachelor's degree must earn a minimum of 30 hours in resident credit at ASU. Transfer students enrolled in the institute must complete a minimum of 15 hours of resident credit in the major as approved by the faculty.

Career Opportunities: The concentration in dance education lays the foundation for a career in teaching in public and private settings. Students earn an Arizona teaching certification while pursuing the dance education degree and can expect to find employment in one of many thriving middle school and high school dance programs throughout the state, or in more informal community settings.

Contact Information:

Design & the Arts, Herberger Institute for

School of Dance

<http://dance.asu.edu/>

PEBE 107A

herbergeradvising@asu.edu

480-965-5029

Design Studies, BA (ARDSNBA)

Campus: TEMPE

Program Description: The B.A. in design studies is a four-year, non-studio program of study in design that focuses on the design disciplines offered in the ASU Herberger Institute:

- Architectural studies.
- Graphic design.
- Industrial design.
- Interior design.
- Landscape architecture.

It is a highly flexible program of study, much like a liberal arts degree, in which students select design and design-related courses offered in the institute and throughout the university. Students acquire a breadth of design knowledge via courses taken from three categories:

- Communication for design.
- Design history.
- General design.

It provides a design education, general and specific, to students who seek opportunities in the broader design sector or in graduate education. Students may undertake the program with a focus area in digital culture, which emphasizes the ways in which our digitally mediated environments are changing our experience and evolving our culture, or in one of two specific concentrations, 1) design studies, which allows students to discover the myriad possibilities of design as a subject area as well as the flexibility that it provides for further exploration, or 2) design management, which offers a selection of courses in management and human communication that complement design.

Applicants pursuing the digital culture emphasis must have a minimum high school GPA of 3.00 and an 1100 SAT or 24 ACT standardized test score. This emphasis also requires MAT 210.

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 117 - College Algebra OR MAT 119 OR MAT 142

Career Opportunities: Although a specific career path is not the principal intention, recent graduates of the program have become involved in sales and marketing in the design sector, or have gone on to graduate studies in architecture and planning. Other possible career paths include journalism and education.

Contact Information:

Design & the Arts, Herberger Institute for
The Design School
http://herbergerinstitute.asu.edu/degrees/ba_design/
CDS 101
herbergeradvising@asu.edu
480-965-4495

Design Studies (Design Management), BA (ARDSNMBA)

Campus: TEMPE

Program Description: The B.A. in design studies is a four-year, non-studio program of study in design that focuses on the design disciplines offered in the ASU Herberger Institute:

- Architectural studies.
- Graphic design.
- Industrial design.
- Interior design.
- Landscape architecture.

It is a highly flexible program of study, much like a liberal arts degree, in which students select design and design-related courses offered in the institute and throughout the university. Students acquire a breadth of design knowledge via courses taken from three categories:

- Communication for design.
- Design history.
- General design.

It provides a design education, general and specific, to students who seek opportunities in the broader design sector or in graduate education. Students may undertake the program with a focus area in digital culture, which emphasizes the ways in which our digitally mediated environments are changing our experience and evolving our culture, or in one of two specific concentrations, 1) design studies, which allows students to discover the myriad possibilities of design as a subject area as well as the flexibility that it provides for further exploration, or 2) design management, which offers a selection of courses in management and human communication that complement design.

Applicants pursuing the digital culture emphasis must have a minimum high school GPA of 3.00 and an 1100 SAT or 24 ACT standardized test score. This emphasis also requires MAT 210.

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 117 - College Algebra OR MAT 119 OR MAT 142

Career Opportunities: Although a specific career path is not the principal intention, recent graduates of the program have become involved in sales and marketing in the design sector, or have gone on to graduate studies in architecture and planning. Other possible career paths include journalism and education.

Contact Information:

Design & the Arts, Herberger Institute for
The Design School
http://herbergerinstitute.asu.edu/degrees/ba_design/
CDS 101
herbergeradvising@asu.edu
480-965-4495

Digital Culture (Art), BA (HIDGCABA)

Campus: TEMPE

Program Description: The B.A. in digital culture degree with a concentration in art program is designed for students who are interested in new media-based cultural practice. The digital culture initiative is recognizing the transformative role of digital technology in cultural practice and our day-to-day lives. The degree emphasizes the strongest emerging trend in cultural media: systems and processes that integrate digital technology with

the everyday physical human experience. We refer to these systems as new media. Through a collaboration with more than 15 partnering ASU units, the Herberger Institute for Design and the Arts has created a dynamic, cross-campus, student-customizable curricula that not only prepares students with tangible skills in new media, but also with skills to continuously adapt and maintain a leadership role in cultural practice over the next 40 years.

Students complement their knowledge of new media with an understanding of the historical and theoretical aspects of visual arts, foundational visual arts skills and hands on knowledge of visual composition through digital means.

Digital Culture - Art Concentration

The program is for students wishing to specialize in visual composition aspects of new media.

Students complement their knowledge of new media with an understanding of the historical and theoretical aspects of visual arts, foundational visual arts skills and hands on knowledge of visual composition through digital means.

For more information on the art concentration, visit: http://digitalculture.asu.edu/education/art_concentration (http://digitalculture.asu.edu/education/art_concentration).

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 210 - Brief Calculus

Degree Requirements:

Admission Requirements: Freshmen admission requirements: 1100 SAT Reasoning OR 24 ACT score OR graduated in the top 15 percent of high school class. Also must fill out and submit an online program questionnaire.

Transfer admission requirements: 2.50 transfer GPA. Also must fill out and submit an online program questionnaire.

International student requirements: International students may have an additional English language

proficiency criterion. Foreign nationals must meet the same admission requirements shown above, with the possible additional requirement of a minimum TOEFL score. If the university requires a TOEFL score from the applicant (see <http://global.asu.edu/future/undergrad>), then admission to digital culture requires a minimum TOEFL score of 550 (paper-based), 213 (computer-based), 79 on iBT (Internet-based) or a minimum IELTS score of 6.5. If your application to the university is reviewed favorably, you will receive conditional admission to the university. You must submit a supplemental digital culture questionnaire, which will be reviewed by a faculty committee in the School of Arts, Media and Engineering. Details about the questionnaire submission process can be found here: <http://digitalculture.asu.edu/education/degrees>.

(<http://digitalculture.asu.edu/education/degrees>) If the faculty committee determines you are admissible to the degree program, you will be formally admitted to the concentration of your choice in the B.A. in digital culture. In the event you are admitted to ASU but not selected for the B.A. in digital culture program or you do not submit the required supplemental questionnaire for the program by the deadline, you will be placed in the second major choice you selected at the time of application.

Career Opportunities: Upon graduation, digital culture students have a wide array of career opportunities in new media involving the fields of:

- Communications (e.g., CISCO, Google, Facebook).
- Computing (e.g., Apple, Microsoft).
- Gaming and entertainment (e.g., Industrial Light and Magic, Electronic Arts, Pixar).
- Media arts (including engineering multi-media shows, video and sound production).

The digital culture curriculum also prepares students for roles in the development of modern media systems that address complex socio-technical problems, such as:

- Diagnostic, monitoring assistive cyber-physical tools and systems that can be used by health care providers.
- New systems for collaborative, participatory content creation and sharing.
- Social networking and reflection tools for promoting sustainability.
- Systems for interactive, adaptive learning and computational assessment in educational organizations.

Graduates of the digital culture degree who are interested in continuing their higher education will be well prepared to apply for admission to the top interdisciplinary new media programs in the nation, including the graduate programs through the School of Arts, Media and Engineering at ASU.

Contact Information:

Design & the Arts, Herberger Institute for

Arts, Media and Engineering Sch T

<http://digitalculture.asu.edu>

CDS 101

herbergeradvising@asu.edu

480-965-4495

Digital Culture (Arts and Design Studies), BA (HIDCADSBA)

Campus: TEMPE

Program Description: The B.A. in digital culture is a broad-based liberal arts degree program designed for students who are interested in new media-based cultural practice. The digital culture initiative is recognizing the transformative role of digital technology in cultural practice and our day-to-day lives. The degree emphasizes the strongest emerging trend in cultural media: systems and processes that integrate digital technology with the everyday physical human experience. We refer to these systems as new media. Through a collaboration with more than 15 partnering ASU units, the Herberger Institute for Design and the Arts has created a dynamic, cross-campus, student-customizable curricula that not only prepares students with tangible skills in new media, but also with skills to continuously adapt and maintain a leadership role in cultural practice over the next 40 years.

Students complement their knowledge of new media with broad-based cross-disciplinary studies in design and the arts.

Digital Culture - The Arts and Design Studies Concentration

The program is for students wishing to integrate cross-disciplinary studies in design and the arts into new media applications.

Students complement their knowledge of new media with broad-based cross-disciplinary studies in design and the arts.

For more information about the Arts and Design Studies concentration, visit: http://digitalculture.asu.edu/education/arts_and_design_concentration (http://digitalculture.asu.edu/education/arts_and_design_concentration).

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 210 - Brief Calculus

Degree Requirements:

Admission Requirements: Freshmen admission requirements: 1100 SAT Reasoning OR 24 ACT score OR graduated in the top 15 percent of high school class. Also must fill out and submit an online program questionnaire.

Transfer admission requirements: 2.50 transfer GPA. Also must fill out and submit an online program questionnaire.

International student requirements: International students may have an additional English language proficiency criterion. Foreign nationals must meet the same admission requirements shown above, with the possible additional requirement of a minimum TOEFL score. If the university requires a TOEFL score from the applicant (see <http://global.asu.edu/future/undergrad>), then admission to digital culture requires a minimum TOEFL score of 550 (paper-based), 213 (computer-based), 79 on iBT (Internet-based) or a minimum IELTS score of 6.5. If your application to the university is reviewed favorably, you will receive conditional admission to the university. You must submit a supplemental digital culture questionnaire, which will be reviewed by a faculty committee in the School of Arts, Media and Engineering. Details on the questionnaire submission process can be found here: <http://digitalculture.asu.edu/education/degrees>.

(<http://digitalculture.asu.edu/education/degrees>) If the faculty committee determines you are admissible to the degree program, you will be formally admitted to the concentration of your choice in the B.A. in digital culture. In the event you are admitted to ASU but not selected for the B.A. in digital culture program or you do not submit the required supplemental questionnaire for the program by the deadline, you will be placed in the second major choice you selected at the time of application.

Career Opportunities: Upon graduation, digital culture students have a wide array of career opportunities in new media involving the fields of:

- Communications (e.g., CISCO, Google, Facebook).
- Computing (e.g., Apple, Microsoft).
- Gaming and Entertainment (e.g., Industrial Light and Magic, Electronic Arts, Pixar).
- Media Arts (including engineering multi-media shows, video and sound production).

The digital culture curriculum also prepares students for roles in the development of modern media systems that address complex socio-technical problems, such as:

- Diagnostic, monitoring assistive cyber-physical tools and systems that can be used by health care providers.
- New systems for collaborative, participatory content creation and sharing.
- Social networking and reflection tools for promoting sustainability.
- Systems for interactive, adaptive learning and computational assessment in educational organizations.

Graduates of the digital culture degree who are interested in continuing their higher education will be well prepared to apply for admission to the top interdisciplinary new media programs in the nation, including the graduate programs through the School of Arts, Media and Engineering at ASU.

Contact Information:

Design & the Arts, Herberger Institute for

Arts, Media and Engineering Sch T

<http://digitalculture.asu.edu>

CDS 101

herbergeradvising@asu.edu

480-965-4495

Digital Culture (Design), BA (HIDGCDBA)

Campus: TEMPE

Program Description: The B.A. in digital culture is a broad-based liberal arts degree program designed for students who are interested in new media-based cultural practice. The digital culture initiative is recognizing the transformative role of digital technology in cultural practice and our day-to-day lives. The degree emphasizes the strongest emerging trend in cultural media: systems and processes that integrate digital technology with the everyday physical human experience. We refer to these systems as new media. Through a collaboration with more than 15 partnering ASU units, the Herberger Institute for Design and the Arts has created a dynamic, cross-campus, student-customizable curricula that not only prepares students with tangible skills in new media, but also with skills to continuously adapt and maintain a leadership role in cultural practice over the next 40 years.

Students complement their knowledge of new media with an understanding of the principles of space and product design, the historical and theoretical aspects of design, and develop integrative design approaches to the digital and physical elements of hybrid products and spaces.

Digital Culture - Design Concentration

The program is for students wishing to specialize in hybrid (physical - digital) product and space design.

Students complement their knowledge of new media with an understanding of the principles of space and product design, the historical and theoretical aspects of design, and develop integrative design approaches to the digital and physical elements of hybrid products and spaces.

For more information on the design concentration, visit: http://digitalculture.asu.edu/education/design_concentration

(http://digitalculture.asu.edu/education/design_concentration).

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 210 - Brief Calculus

Degree Requirements:

Admission Requirements: Freshmen admission requirements: 1100 SAT Reasoning OR 24 ACT score OR graduated in the top 15 percent of high school class. Also must fill out and submit an online program questionnaire.

Transfer admission requirements: 2.50 transfer GPA. Also must fill out and submit an online program questionnaire.

International student requirements: International students may have an additional English language

proficiency criterion. Foreign nationals must meet the same admission requirements shown above, with the possible additional requirement of a minimum TOEFL score. If the university requires a TOEFL score from the applicant (see <http://global.asu.edu/future/undergrad>), then admission to digital culture requires a minimum TOEFL score of 550 (paper-based), 213 (computer-based), 79 on iBT (Internet-based) or a minimum IELTS score of 6.5. If your application to the university is reviewed favorably, you will receive conditional admission to the university. You must submit a supplemental digital culture questionnaire, which will be reviewed by a faculty committee in the School of Arts, Media and Engineering. Details on the questionnaire submission process can be found here: <http://digitalculture.asu.edu/education/degrees>.

(<http://digitalculture.asu.edu/education/degrees>) If the faculty committee determines you are admissible to the degree program, you will be formally admitted to the concentration of your choice in the B.A. in digital culture. In the event you are admitted to ASU but not selected for the B.A. in digital culture program or you do not submit the required supplemental questionnaire for the program by the deadline, you will be placed in the second major choice you selected at the time of application.

Career Opportunities: Upon graduation, digital culture students have a wide array of career opportunities in new media involving the fields of:

- Communications (e.g., CISCO, Google, Facebook).
- Computing (e.g., Apple, Microsoft).
- Gaming and entertainment (e.g., Industrial Light and Magic, Electronic Arts, Pixar).
- Media arts (including engineering multi-media shows, video and sound production).

The digital culture curriculum also prepares students for roles in the development of modern media systems that address complex socio-technical problems, such as:

- Diagnostic, monitoring assistive cyber-physical tools and systems that can be used by health care providers.
- New systems for collaborative, participatory content creation and sharing.
- Social networking and reflection tools for promoting sustainability.
- Systems for interactive, adaptive learning and computational assessment in educational organizations.

Graduates of the digital culture degree who are interested in continuing their higher education will be well prepared to apply for admission to the top interdisciplinary new media programs in the nation, including the graduate programs through the School of Arts, Media and Engineering at ASU.

Contact Information:

Design & the Arts, Herberger Institute for

Arts, Media and Engineering Sch T

<http://digitalculture.asu.edu>

CDS 101

herbergeradvising@asu.edu

480-965-4495

Digital Culture (Film), BA (HIDGCFBA)

Campus: TEMPE

Program Description: The B.A. in digital culture is a broad-based liberal arts degree program designed for students who are interested in new media-based cultural practice. The digital culture initiative is recognizing the transformative role of digital technology in cultural practice and our day-to-day lives. The degree emphasizes the strongest emerging trend in cultural media: systems and processes that integrate digital technology with the everyday physical human experience. We refer to these systems as new media. Through a collaboration with more than 15 partnering ASU units, the Herberger Institute for Design and the Arts has created a dynamic, cross-campus, student-customizable curricula that not only prepares students with tangible skills in new media, but also with skills to continuously adapt and maintain a leadership role in cultural practice over the next 40 years.

Students complement their knowledge of new media with an understanding of the foundations of filmmaking practices, historical and theoretical aspects of film, knowledge of the film industry and hands on knowledge of digital processes in filmmaking.

Digital Culture - Film Concentration

The program is for students wishing to integrate digital aspects of film into new media.

Students complement their knowledge of new media with an understanding of the foundations of filmmaking practices, historical and theoretical aspects of film, knowledge of the film industry and hands on knowledge of digital processes in filmmaking processing skills.

For more information on the film concentration, visit: http://digitalculture.asu.edu/education/film_concentration

(http://digitalculture.asu.edu/education/film_concentration).

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 210 - Brief Calculus

Degree Requirements:

Admission Requirements: Freshmen admission requirements: 1100 SAT Reasoning OR 24 ACT score OR graduated in the top 15 percent of high school class. Also must fill out and submit an online program questionnaire.

Transfer admission requirements: 2.50 transfer GPA. Also must fill out and submit an online program questionnaire.

International student requirements: International students may have an additional English language proficiency criterion. Foreign nationals must meet the same admission requirements shown above, with the possible additional requirement of a minimum TOEFL score. If the university requires a TOEFL score from the applicant (see <http://global.asu.edu/future/undergrad>), then admission to digital culture requires a minimum TOEFL score of 550 (paper-based), 213 (computer-based), 79 on iBT (Internet-based) or a minimum IELTS score of 6.5.

If your application to the university is reviewed favorably, you will receive conditional admission to the university. You must submit a supplemental digital culture questionnaire, which will be reviewed by a faculty committee in the School of Arts, Media and Engineering. Details about the questionnaire submission process can be found here: <http://digitalculture.asu.edu/education/degrees>.

(<http://digitalculture.asu.edu/education/degrees>) If the faculty committee determines you are admissible to the degree program, you will be formally admitted to the concentration of your choice in the B.A. in digital culture. In the event you are admitted to ASU but not selected for the B.A. in digital culture program or you do not submit the required supplemental questionnaire for the program by the deadline, you will be placed in the second major choice you selected at the time of application.

Career Opportunities: Upon graduation, digital culture students have a wide array of career opportunities in new media, involving the fields of:

- Communications (e.g., CISCO, Google, Facebook).
- Computing (e.g., Apple, Microsoft).
- Gaming and entertainment (e.g., Industrial Light and Magic, Electronic Arts, Pixar).
- Media arts (including engineering multi-media shows, video and sound production).

The digital culture curriculum also prepares students for roles in the development of modern media systems that address complex socio-technical problems, such as:

- Diagnostic, monitoring assistive cyber-physical tools and systems that can be used by health care providers.
- New systems for collaborative, participatory content creation and sharing.
- Social networking and reflection tools for promoting sustainability.
- Systems for interactive, adaptive learning and computational assessment in educational organizations.

Graduates of the digital culture degree who are interested in continuing their higher education will be well prepared to apply for admission to the top interdisciplinary new media programs in the nation, including the graduate programs through the School of Arts, Media and Engineering at ASU.

Contact Information:

Design & the Arts, Herberger Institute for
Arts, Media and Engineering Sch T

<http://digitalculture.asu.edu>
CDS 101
herbergeradvising@asu.edu
480-965-4495

Digital Culture (Interdisciplinary Arts and Performance), BA (HIDCIAPBA)

Campus: TEMPE

Program Description: The B.A. in digital culture is a broad-based liberal arts degree program designed for students who are interested in new media-based cultural practice. The digital culture initiative is recognizing the transformative role of digital technology in cultural practice and our day-to-day lives. The degree emphasizes the strongest emerging trend in cultural media: systems and processes that integrate digital technology with the everyday physical human experience. We refer to these systems as new media. Through a collaboration with more than 15 partnering ASU units, the Herberger Institute for Design and the Arts has created a dynamic, cross-campus, student-customizable curricula that not only prepares students with tangible skills in new media, but also with skills to continuously adapt and maintain a leadership role in cultural practice over the next 40 years.

Students complement their knowledge of new media with skills in interdisciplinary arts and media, media literacy, digital editing and digital recording.

Digital Culture - Interdisciplinary Arts and Performance Concentration

This concentration is offered in partnership with the New College: Division of Humanities, Arts and Cultural Studies.

The program focuses on an interdisciplinary and collaborative approach to the arts, technology and performance. Courses are offered in digital media arts, music and electronic sound art, performance studies, theatre/performance practice, digital graphics and more. The program includes courses on the traditions of 20th and 21st century interdisciplinarity, avant-garde and experimental arts and provides students with an understanding of the genres and directions in contemporary art and performance.

For more information on this concentration, visit: http://digitalculture.asu.edu/education/iap_concentration (http://digitalculture.asu.edu/education/iap_concentration).

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 210 - Brief Calculus

Degree Requirements:

Admission Requirements: Freshmen admission requirements: 1100 SAT Reasoning OR 24 ACT score OR graduated in the top 15 percent of high school class. Also must fill out and submit an online program questionnaire.

Transfer admission requirements: 2.50 transfer GPA. Also must fill out and submit an online program questionnaire.

International student requirements: International students may have an additional English language proficiency criterion. Foreign nationals must meet the same admission requirements shown above, with the possible additional requirement of a minimum TOEFL score. If the university requires a TOEFL score from the applicant (see <http://global.asu.edu/future/undergrad>), then admission to digital culture requires a minimum TOEFL score of 550 (paper-based), 213 (computer-based), 79 on iBT (Internet-based) or a minimum IELTS score of 6.5. If your application to the university is reviewed favorably, you will receive conditional admission to the university. You must submit a supplemental digital culture questionnaire, which will be reviewed by a faculty committee in the School of Arts, Media and Engineering. Details about the questionnaire submission process can be found here: <http://digitalculture.asu.edu/education/degrees>.

(<http://digitalculture.asu.edu/education/degrees>) If the faculty committee determines you are admissible to the degree program, you will be formally admitted to the concentration of your choice in the B.A. in digital culture. In the event you are admitted to ASU but not selected for the B.A. in digital culture program or you do not submit the required supplemental questionnaire for the program by the deadline, you will be placed in the second major choice you selected at the time of application.

Career Opportunities: Upon graduation, digital culture students have a wide array of career opportunities in new media involving the fields of:

- Communications (i.e., CISCO, Google, Facebook).
- Computing (i.e. Apple, Microsoft).
- Gaming and entertainment (i.e., Industrial Light and Magic, Electronic Arts, Pixar).
- Media arts (including engineering multi-media shows, video and sound production).

The digital culture curriculum also prepares students for roles in the development of modern media systems that address complex socio-technical problems, such as:

- Diagnostic, monitoring assistive cyber-physical tools and systems that can be used by health care providers.
- New systems for collaborative, participatory content creation and sharing.
- Social networking and reflection tools for promoting sustainability.
- Systems for interactive, adaptive learning and computational assessment in educational organizations.

Graduates who are interested in continuing their higher education will be well prepared to apply for admission to the top interdisciplinary new media

programs in the nation, including the graduate programs through the School of Arts, Media and Engineering at ASU.

Contact Information:

Design & the Arts, Herberger Institute for
Arts, Media and Engineering Sch T
<http://digitalculture.asu.edu>
CDS 101
herbergeradvising@asu.edu
480-965-4495

Digital Culture (Media Processing), BA (HIDGCMPPBA)

Campus: TEMPE

Program Description: The B.A. in digital culture is a broad-based liberal arts degree program designed for students who are interested in new media-based cultural practice. The digital culture initiative is recognizing the transformative role of digital technology in cultural practice and our day-to-day lives. The degree emphasizes the strongest emerging trend in cultural media: systems and processes that integrate digital technology with the everyday physical human experience. We refer to these systems as new media. Through a collaboration with more than 15 partnering ASU units, the Herberger Institute for Design and the Arts has created a dynamic, cross-campus, student-customizable curricula that not only prepares students with tangible skills in new media, but also with skills to continuously adapt and maintain a leadership role in cultural practice over the next 40 years.

Students complement their knowledge of new media with a more advanced understanding of programming, data structures, signals processing and system architecture aspects of new media.

Digital Culture - Media Processing Concentration

This concentration is offered in partnership with the Ira A. Fulton Schools of Engineering.

The program is for students wishing to specialize in media processing aspects of new media.

Students complement their knowledge of new media with a more advanced understanding of programming, data structures, signals processing and system architecture aspects of new media.

For more information on this concentration, visit: http://digitalculture.asu.edu/education/media_processing_concentration (http://digitalculture.asu.edu/education/media_processing_concentration).

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 210 - Brief Calculus

Degree Requirements:

Admission Requirements: Freshmen admission requirements: 1100 SAT Reasoning OR 24 ACT score OR graduated in the top 15 percent of high school class. Also must fill out and submit an online program questionnaire.

Transfer admission requirements: 2.50 transfer GPA. Also must fill out and submit an online program questionnaire.

International student requirements: International students may have an additional English language proficiency criterion. Foreign nationals must meet the same admission requirements shown above, with the possible additional requirement of a minimum TOEFL score. If the university requires a TOEFL score from the applicant (see <http://global.asu.edu/future/undergrad>), then admission to digital culture requires a minimum TOEFL score of 550 (paper-based), 213 (computer-based), 79 on iBT (Internet-based) or a minimum IELTS score of 6.5. If your application to the university is reviewed favorably, you will receive conditional admission to the university. You must submit a supplemental digital culture questionnaire, which will be reviewed by a faculty committee in the School of Arts, Media and Engineering. Details about the questionnaire submission process can be found here: <http://digitalculture.asu.edu/education/degrees>.

(<http://digitalculture.asu.edu/education/degrees>) If the faculty committee determines you are admissible to the degree program, you will be formally admitted to the concentration of your choice in the B.A. in digital culture. In the event you are admitted to ASU but not selected for the B.A. in digital culture program or you do not submit the required supplemental questionnaire for the program by the deadline, you will be placed in the second major choice you selected at the time of application.

Career Opportunities: Upon graduation, digital culture students have a wide array of career opportunities in new media involving the fields of:

- Communications (i.e., CISCO, Google, Facebook).
- Computing (i.e. Apple, Microsoft).
- Gaming and entertainment (i.e., Industrial Light and Magic, Electronic Arts, Pixar).
- Media arts (including engineering multi-media shows, video and sound production).

The digital culture curriculum also prepares students for roles in the development of modern media systems that address complex socio-technical problems, such as:

- Diagnostic, monitoring assistive cyber-physical tools and systems that can be used by health care providers.
- New systems for collaborative, participatory content creation and sharing.

- Social networking and reflection tools for promoting sustainability.
- Systems for interactive, adaptive learning and computational assessment in educational organizations.

Graduates who are interested in continuing their higher education will be well prepared to apply for admission to the top interdisciplinary new media programs in the nation, including the graduate programs through the School of Arts, Media and Engineering at ASU.

Contact Information:

Design & the Arts, Herberger Institute for
Arts, Media and Engineering Sch T
<http://digitalculture.asu.edu>
CDS 101
herbergeradvising@asu.edu
480-965-4495

Digital Culture (Music), BA (HIDGCMBA)

Campus: TEMPE

Program Description: The B.A. in digital culture is a broad-based liberal arts degree program designed for students who are interested in new media-based cultural practice. The digital culture initiative is recognizing the transformative role of digital technology in cultural practice and our day-to-day lives. The degree emphasizes the strongest emerging trend in cultural media: systems and processes that integrate digital technology with the everyday physical human experience. We refer to these systems as new media. Through a collaboration with more than 15 partnering ASU units, the Herberger Institute for Design and the Arts has created a dynamic, cross-campus, student-customizable curricula that not only prepares students with tangible skills in new media, but also with skills to continuously adapt and maintain a leadership role in cultural practice over the next 40 years.

Students complement their knowledge of new media with an understanding of the foundations and historical and theoretical structure of commercial and popular music, the principles of electronic music composition and digital sound, and develop digital sound creation and processing skills.

Digital Culture - Music Concentration

The program is for students wishing to specialize in digital sound aspects of new media.

Students complement their knowledge of new media with an understanding of the foundations and historical and theoretical structure of commercial and popular music, the principles of electronic music composition and digital sound, and develop digital sound creation and integrative design approaches to the digital and physical elements of hybrid products and spaces.

For more information on the music concentration, visit: http://digitalculture.asu.edu/education/music_concentration (http://digitalculture.asu.edu/education/music_concentration).

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 210 - Brief Calculus

Degree Requirements:

Admission Requirements: Freshmen admission requirements: 1100 SAT Reasoning OR 24 ACT score OR graduated in the top 15 percent of high school class. Also must fill out and submit an online program questionnaire.

Transfer admission requirements: 2.50 transfer GPA. Also must fill out and submit an online program questionnaire.

International student requirements: International students may have an additional English language proficiency criterion. Foreign nationals must meet the same admission requirements shown above, with the possible additional requirement of a minimum TOEFL score. If the university requires a TOEFL score from the applicant (see <http://global.asu.edu/future/undergrad>), then admission to digital culture requires a minimum TOEFL score of 550 (paper-based), 213 (computer-based), 79 on iBT (Internet-based) or a minimum IELTS score of 6.5. When you apply to Arizona State University, you will be asked to indicate your intended major. Because entrance into the B.A. in digital culture concentrations is selective, you also will be asked to indicate your second-choice major. If your application to the university is reviewed favorably, you will receive conditional admission to the university. You must submit a supplemental digital culture questionnaire, which will be reviewed by a faculty committee in the School of Arts, Media and Engineering. Details about the questionnaire submission process can be found here: <http://digitalculture.asu.edu/education/degrees>. (<http://digitalculture.asu.edu/education/degrees>) If the faculty committee determines you are admissible to the degree program, you will be formally admitted to the concentration of your choice in the B.A. in digital culture. In the event you are admitted to ASU but not selected for the B.A. in digital culture program or you do not submit the required supplemental questionnaire for the program by the deadline, you will be placed in the second major choice you selected at the time of application.

Career Opportunities: Upon graduation, digital culture students have a wide array of career opportunities in new media involving the fields of:

- Communications (e.g., CISCO, Google, Facebook).
- Computing (e.g., Apple, Microsoft).
- Gaming and entertainment (e.g., Industrial Light and Magic, Electronic Arts, Pixar).
- Media arts (including engineering multi-media shows, video and sound production).

The digital culture curriculum also prepares students for roles in the development of modern media systems that address complex socio-technical problems, such as:

- Diagnostic, monitoring assistive cyber-physical tools and systems that can be used by health care providers.
- New systems for collaborative, participatory content creation and sharing.
- Social networking and reflection tools for promoting sustainability.
- Systems for interactive, adaptive learning and computational assessment in educational organizations.

Graduates who are interested in continuing their higher education will be well prepared to apply for admission to the top interdisciplinary new media programs in the nation, including the graduate programs through the School of Arts, Media and Engineering at ASU.

Contact Information:

Design & the Arts, Herberger Institute for
Arts, Media and Engineering Sch T
<http://digitalculture.asu.edu>
CDS 101
herbergeradvising@asu.edu
480-965-4495

Digital Culture (Technological Entrepreneurship), BA (HIDGCTEBA)

Campus: TEMPE

Program Description: The B.A. in digital culture is a broad-based liberal arts degree program designed for students who are interested in new media-based cultural practice. The digital culture initiative is recognizing the transformative role of digital technology in cultural practice and our day-to-day lives. The degree emphasizes the strongest emerging trend in cultural media: systems and processes that integrate digital technology with the everyday physical human experience. We refer to these systems as new media. Through a collaboration with more than 15 partnering ASU units, the Herberger Institute for Design and the Arts has created a dynamic, cross-campus, student-customizable curricula that not only prepares students with tangible skills in new media, but also with skills to continuously adapt and maintain a leadership role in cultural practice over the next 40 years.

Students complement their knowledge of new media, with technology/new media entrepreneurship skills, knowledge of legal and ethical issues for technology and additional skills in graphic communication digital illustration and design methodology.

Digital Culture - Technological Entrepreneurship Concentration

This concentration is offered in partnership with the College of Technology and Innovation.

The program is for students wishing to specialize in new media entrepreneurship.

Students complement their knowledge of new media, with technology/new media entrepreneurship skills, knowledge of legal and ethical issues for technology and additional skills in graphic communication digital illustration and design methodology.

For more information on the technological entrepreneurship concentration, visit:

http://digitalculture.asu.edu/education/technological_entrepreneurship_concentration
("http://digitalculture.asu.edu/education/technological_entrepreneurship_concentration").

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 210 - Brief Calculus

Degree Requirements:

Admission Requirements: Freshmen admission requirements: 1100 SAT Reasoning OR 24 ACT score OR graduated in the top 15 percent of high school class. Also must fill out and submit an online program questionnaire.

Transfer admission requirements: 2.50 transfer GPA. Also must fill out and submit an online program questionnaire.

International student requirements: International students may have an additional English language proficiency criterion. Foreign nationals must meet the same admission requirements shown above, with the possible additional requirement of a minimum TOEFL score. If the university requires a TOEFL score from the applicant (see <http://global.asu.edu/future/undergrad>), then admission to digital culture requires a minimum TOEFL score of 550 (paper-based), 213 (computer-based), 79 on iBT (Internet-based) or a minimum IELTS score of 6.5. If your application to the university is reviewed favorably, you will receive conditional admission to the university. You must submit a supplemental digital culture questionnaire, which will be reviewed by a faculty committee in the School of Arts, Media and Engineering. Details on the questionnaire submission process can be found here: <http://digitalculture.asu.edu/education/degrees>.

(<http://digitalculture.asu.edu/education/degrees>) If the faculty committee determines you are admissible to the degree program, you will be formally admitted to the concentration of your choice in the B.A. in digital culture. In the event you are admitted to ASU but not selected for the B.A. in digital culture program or you do not submit the required supplemental questionnaire for the program by the deadline, you will be placed in the second major choice you selected at the time of application.

Career Opportunities: Upon graduation, digital culture students have a wide array of career opportunities in new media involving the fields of:

- Communications (e.g., CISCO, Google, Facebook).
- Computing (e.g., Apple, Microsoft).
- Gaming and entertainment (e.g., Industrial Light and Magic, Electronic Arts, Pixar).
- Media arts (including engineering multi-media shows, video and sound production).

The digital culture curriculum also prepares students for roles in the development of modern media systems that address complex socio-technical problems, such as:

- Diagnostic, monitoring assistive cyber-physical tools and systems that can be used by health care providers.
- New systems for collaborative, participatory content creation and sharing.
- Social networking and reflection tools for promoting sustainability.
- Systems for interactive, adaptive learning and computational assessment in educational organizations.

Graduates who are interested in continuing their higher education will be well prepared to apply for admission to the top interdisciplinary new media programs in the nation, including the graduate programs through the School of Arts, Media and Engineering at ASU.

Contact Information:

Design & the Arts, Herberger Institute for
Arts, Media and Engineering Sch T
<http://digitalculture.asu.edu>
CDS 101
herbergeradvising@asu.edu
480-965-4495

Digital Culture (Theatre), BA (HIDGCTBA)

Campus: TEMPE

Program Description: The B.A. in digital culture is a broad-based liberal arts degree program designed for students who are interested in new media-based cultural practice. The digital culture initiative is recognizing the transformative role of digital technology in cultural practice and our day-to-day lives. The degree emphasizes the strongest emerging trend in cultural media: systems and processes that integrate digital technology with the everyday physical human experience. We refer to these systems as new media. Through a collaboration with more than 15 partnering ASU units, the Herberger Institute for Design and the Arts has created a dynamic, cross-campus, student-customizable curricula that not only prepares students with tangible skills in new media, but also with skills to continuously adapt and maintain a leadership role in cultural practice over the next 40 years.

Students complement their knowledge of new media with an understanding of the fundamentals and principles of theatre design including scene, lighting, sound, costume and multimedia design, while developing art and technical direction and digital design skills.

Digital Culture - Theatre Concentration

The program is for students wishing to integrate principles of design and production into new media.

Students complement their knowledge of new media with an understanding of the fundamentals and principles of theatre design including scene, lighting, sound, costume and multimedia design, while developing art and technical direction and digital design skills.

For more information on the Theatre concentration, visit: http://digitalculture.asu.edu/education/theatre_concentration (http://digitalculture.asu.edu/education/theatre_concentration).

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 210 - Brief Calculus

Degree Requirements:

Admission Requirements: Freshmen admission requirements: 1100 SAT Reasoning OR 24 ACT score OR graduated in the top 15 percent of high school class. Also must fill out and submit an online program questionnaire.

Transfer admission requirements: 2.50 transfer GPA. Also must fill out and submit an online program questionnaire.

International student requirements: International students may have an additional English language proficiency criterion. Foreign nationals must meet the same admission requirements shown above, with the possible additional requirement of a minimum TOEFL score. If the university requires a TOEFL score from the applicant (see <http://global.asu.edu/future/undergrad>), then admission to digital culture requires a minimum TOEFL score of 550 (paper-based), 213 (computer-based), 79 on iBT (Internet-based) or a minimum IELTS score of 6.5. If your application to the university is reviewed favorably, you will receive conditional admission to the university. You must submit a supplemental digital culture questionnaire, which will be reviewed by a faculty committee in the School of Arts, Media and Engineering. Details about the questionnaire submission process can be found here: <http://digitalculture.asu.edu/education/degrees>.

(<http://digitalculture.asu.edu/education/degrees>) If the faculty committee determines you are admissible to the degree program, you will be formally admitted to the concentration of your choice in the B.A. in digital culture. In the event you are admitted to ASU but not selected for the B.A. in digital culture program or you do not submit the required supplemental questionnaire for the program by the deadline, you will be placed in the second major choice you selected at the time of application.

Career Opportunities: Upon graduation, digital culture students have a wide array of career opportunities in new media involving the fields of:

- Communications (e.g., CISCO, Google, Facebook).
- Computing (e.g., Apple, Microsoft).
- Gaming and entertainment (e.g., Industrial Light and Magic, Electronic Arts, Pixar).
- Media arts (including engineering multi-media shows, video and sound production).

The digital culture curriculum also prepares students for roles in the development of modern media systems that address complex socio-technical problems, such as:

- Diagnostic, monitoring assistive cyber-physical tools and systems that can be used by health care providers.
- New systems for collaborative, participatory content creation and sharing.
- Social networking and reflection tools for promoting sustainability.
- Systems for interactive, adaptive learning and computational assessment in educational organizations.

Graduates who are interested in continuing their higher education will be well prepared to apply for admission to the top interdisciplinary new media programs in the nation, including the graduate programs through the School of Arts, Media and Engineering at ASU.

Contact Information:

Design & the Arts, Herberger Institute for
Arts, Media and Engineering Sch T
<http://digitalculture.asu.edu>
CDS 101
herbergeradvising@asu.edu
480-965-4495

Film (Film & Media Production), BA (FAFLMBA)

Campus: TEMPE

Program Description: The School of Theatre and Film offers a B.A. in film with a concentration in film and media production. The concentration provides students with a comprehensive practical knowledge of production, awareness of the impact of media and entertainment on the audience, and an understanding of the role of the artist in society. The program teaches students to thoughtfully consider not only how to look through a lens, but why they should, and this is accomplished through a unique emphasis in ethical decision-making in both content creation and business practices. Students in the film and media production concentration have access to digital cameras, lighting and sound equipment in a teaching studio. Post-production facilities include multiple computer editing stations.

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 117 - College Algebra OR MAT 119 OR MAT 142

Career Opportunities: The film and media production concentration provides students with the knowledge and experience to prepare them to enter careers in media and entertainment as:

- Cinematographers.
- Directors.
- Editors.
- Producers.
- Screenwriters.

The B.A. program is an excellent broad-based foundation for work in the profession or to prepare students for further training at graduate schools or conservatories.

Contact Information:

Design & the Arts, Herberger Institute for
School of Theatre and Film
<http://theatrefilm.asu.edu>
GHALL 232
herbergeradvising@asu.edu
480-965-5337

Film (Filmmaking Practices), BA (FAFPRBA)

Campus: TEMPE

Program Description: A B.A. in film with a concentration in filmmaking practices provides students with a comprehensive film education within the context of the liberal arts.

Students pursuing the filmmaking practices concentration of the B.A. in film receive grounding in production practice, independent film producing, entertainment ethics and an understanding of the role of the artist in society. Students are encouraged to participate in the production-oriented environment of the Herberger Institute for Design and the Arts. The curriculum's course work in ethics in entertainment and dramatic analysis are two unique components of the program.

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 117 - College Algebra OR MAT 119 OR MAT 142

Degree Requirements:

All successful applicants to the Herberger Institute for Design and the Arts of the Arts B.A. in film begin their studies at ASU in the filmmaking practices concentration. All students complete the same 18-hour core requirements in their first two years of study.

Admission Requirements: Students interested in pursuing the highly-selective, studio-based film and media production concentration must achieve an ABOR GPA at or above 3.0, or an SAT score of 1040, or an ACT score of 22, or top 25% of the high school class. The applicant cannot have a deficiency in English, and each applicant must complete an essay regarding his or her interest in filmmaking practices.

Students are required to write a 500-word essay answering one of the below questions. The essay will be evaluated based on the following: ideas and content, originality, clarity of expression, voice, sentence fluency, word choice, and format. As this essay is used to determine admissibility to the BA in Film (Filmmaking Practices) program, it is essential that work is proofed.

In 500 words (approximately 2 pages, double-spaced) and with an emphasis on creativity as well as composition, please respond to ONE of the following topics:

- Talk about a film or filmmaker that inspired you to make a career in film.
- How does the entertainment industry affect the world? What would you do to change it?

Career Opportunities: The filmmaking practices concentration provides students with the knowledge and experience to prepare them to enter entry-level positions in media and entertainment production, producing and film management or to enter advanced graduate-level education.

Contact Information:

Design & the Arts, Herberger Institute for
School of Theatre and Film
<http://theatrefilm.asu.edu>
GHALL 232
herbergeradvising@asu.edu
480-965-5337

Graphic Design, BSD (ARGRABSD)

Campus: TEMPE

Program Description: Graphic designers are responsible for designing how information is communicated. Forms of communication include print, video, film and electronic (Web). The faculty in the School of Architecture and Landscape Architecture offers the B.S.D. in graphic design.

Graphic designers are concerned with:

- Appearance.
- Choosing the appropriate mechanism for distinctness.
- Clarity of information.
- How communication is transferred and received.

This program places an emphasis on strategic communication, developed through a design process that includes research, analysis, conceptualization, planning and realization. The process leads to innovative visual communication design solutions for contemporary design problems that are local to global in scope.

This is an eight-semester program requiring sequential completion of studio course work (or approved equivalent) at any point of entry.

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 117 - College Algebra OR MAT 119 OR MAT 142

Admission Requirements:

Career Opportunities: Based on a very diversified portfolio upon graduation, students opting for the graphic design profession gain employment in:

- Advertising.

- Brand and corporate identity.
- Broadcast (TV graphics).
- Interaction and interface design.
- Museum/exhibitions.
- Publication.

Specific examples of graphic designers' work include:

- Annual reports.
- Books.
- Environmental graphics.
- Information design.
- Motion graphics.
- Multimedia presentations.
- Publications.
- Web design.

Students may also pursue graduate studies leading to careers in design education and other fields of professional endeavor in design.

Contact Information:

Design & the Arts, Herberger Institute for
The Design School
<http://herbergerinstitute.asu.edu/degrees/design.php>
CDN 162
herbergeradvising@asu.edu
480-965-8947

Industrial Design, BSD (ARINDBSD)

Campus: TEMPE

Program Description: Industrial designers are responsible for the design of products and systems that people use in their everyday lives. The industrial design program at ASU focuses on a new model of interdisciplinary product development called integrated innovation. The primary goal of integrated innovation is to produce design solutions that:

- Create value in the marketplace.
- Improve society and the environment.
- Meet user needs in unexpected ways.

This is an eight-semester program requiring sequential completion of studio course work (or approved equivalent) at any point of entry.

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 170 - Precalculus

Admission Requirements:

Career Opportunities: Graduates work for corporations that have their own industrial design departments, in such industries as:

- Computer hardware/software.
- Consumer goods.
- Furniture.
- Medical device manufacturing.
- Toys.
- Transportation.

Opportunities also exist with consulting firms that design for a variety of different clients. A third option includes entrepreneurship, as some graduates have established their own design and manufacturing ventures.

Contact Information:

Design & the Arts, Herberger Institute for
The Design School
<http://herbergerinstitute.asu.edu/degrees/design.php>
CDN 162
herbergeradvising@asu.edu

Interior Design, BSD (ARINTBSD)

Campus: TEMPE

Program Description: Course work in the B.S.D. in interior design examines the context in which individuals and groups live and work. Interior designers create environments within buildings that meet the physical and psychological needs of individuals and institutions, providing a useful, rich and rewarding context for their lives. Interior design involves the design of space, equipment and furniture. It requires substantial technical and organizational understanding, as well as sensibility to color, shape and form.

This is an eight-semester program requiring sequential completion of studio course work (or approved equivalent) at any point of entry.

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 170 - Precalculus

Admission Requirements:

Career Opportunities: Graduates find employment opportunities with interior design firms or architecture firms specializing in interior design. The scope of work undertaken by interior designers is expanding. Career opportunities include historic restoration, and working for large corporations or governmental agencies within their interior design and space-management offices.

Contact Information:

Design & the Arts, Herberger Institute for

The Design School

<http://herbergerinstitute.asu.edu/degrees/design.php>

CDN 162

herbergeradvising@asu.edu

480-965-8947

Landscape Architecture, BSLA (ARPLABSLA)

Campus: TEMPE

Program Description: Landscape architects are involved in the design, planning, analysis and management of the natural and built environment. Landscape architects develop expertise in the art of design and the environmental sciences. While landscape architects may design a residential garden, an urban park and playground, a residential development or a national park, they all share a deep commitment to stewardship of the land and the highest standard of planning and design that directly enhances the quality of people's lives. Landscape architecture students learn about:

- Art.
- Construction techniques.
- Design.
- History.
- Natural science.
- Planning.
- Social studies.

This is an eight-semester program requiring sequential completion of studio course work (or its approved equivalent) at any point of entry.

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 170 - Precalculus

Admission Requirements: Admission into the architectural studies and landscape architecture majors is selective. All applicants who select architectural studies or landscape architecture at the time of application also will be asked to select a second choice major. In the event you are not admitted to the architectural studies or landscape architecture major, you will be considered for admission to your second choice major. If you do not select a second choice major, you will be considered for admission into the B.A. in design studies. B.A. design studies students may take architecture and landscape architecture studio course work in the first year and attempt to successfully complete the degree milestone, or may choose to pursue a broader range of design courses in the design studies program.

First-time freshman applicants must meet the University Aptitude Standards (3.00 ABOR GPA or top 25% of class or 22 ACT or 1040 SAT) and the following University Competency Standards: applicant cannot have either an English or math deficiency.

Students who are admissible to Arizona State University, but who do not meet the above criteria are considered for admission to their second choice major.

Transfer applicants must have a transfer GPA of 3.00 for consideration for the architectural studies and landscape architecture majors.

All students who are admitted to the major must pass a degree milestone to continue in the major at the end of the first year. For more information

on the milestone process, visit: <http://herbergerinstitute.asu.edu/degrees/milestone.php> (<http://herbergerinstitute.asu.edu/degrees/milestone.php>).

Career Opportunities: Graduates in landscape architecture are able to pursue career opportunities in private landscape architecture, academic organizations and government agencies such as:

- The Bureau of Land Management.
- The Department of Transportation.
- The National Park Service.
- The Soil Conservation Service.
- The U.S. Corps of Engineers.
- The U.S. Forest Service.

Some landscape architects elect to pursue graduate degrees to develop specialty skills and to enhance their opportunities for career advancement. U.S. News and World Report named landscape architecture among the best career choices in 2010.

Contact Information:

Design & the Arts, Herberger Institute for
The Design School
<http://herbergerinstitute.asu.edu>
CDN 162
herbergeradvising@asu.edu
480-965-3536

Music, BA (FAMUSBA)

Campus: TEMPE

Program Description: The B.A. in music provides students with a broad-based degree applicable to a variety of professional settings. Students develop an understanding of human culture through:

- Analysis of ideas.
- Appreciation of art forms.
- Beauty and symmetry.
- Development of critical thinking skills.
- Knowledge of theories.
- Perception of differences.
- Principles of form, subsistancy, argument and philosophy.

This degree may be used as a first step toward a master's or doctoral or may be combined with other degree programs.

Additional Program Fee: N

Second Language Requirement: Y

First Required Math Course: MAT 117 - College Algebra OR MAT 119 OR MAT 142

Admission Requirements: Important: An additional application, supplementary materials, and audition are required for entrance to the School of Music. Please go to <http://music.asu.edu/admissions/undergrad/> (<http://music.asu.edu/admissions/undergrad/>) for information on applying to the School of Music.

Because entrance into the School of Music is selective, you will be asked to indicate a second choice of major when completing your application to ASU. If you pass your audition, the School of Music will change your major to the appropriate music major. In the event that you are admitted to ASU, but not selected for the School of Music, you will be placed in the second major choice you indicated on your application to ASU. Audition days take place in November (for spring admission), and February/March (for fall admission) of each year. More information on the audition process is available here: <http://music.asu.edu/admissions/auditions/> (<http://music.asu.edu/admissions/auditions/>).

Application Deadlines

Please visit <http://music.asu.edu/admissions/deadlines> (<http://music.asu.edu/admissions/deadlines>) for complete information on School of Music deadlines.

Spring 2012: The deadline for applying to ASU for admission to the B.A. in music is October 1, 2011 for voice applicants, and October 15, 2011 for instrumental and keyboard applicants. A prescreening is required for all applicants who wish to audition in voice:

<http://music.asu.edu/admissions/voice> (<http://music.asu.edu/admissions/voice>).

Fall 2012: The deadline for applying to ASU for admission to B.A. in music is December 1, 2011 for voice applicants, and January 15, 2012 for instrumental and keyboard applicants. A prescreening is required for all applicants who wish to audition in voice:

<http://music.asu.edu/admissions/voice> (<http://music.asu.edu/admissions/voice>).

You must select a different major when applying to ASU after these deadlines. You may apply to the School of Music for the audition day(s) held during your first semester at ASU. The School of Music will change your major to music if you pass your audition. Direct transfer of courses from other accredited institutions to the Herberger Institute for Design and the Arts are subject to:

- The existence of parallel and equal courses in the college's curriculum.
- Departmental or school evaluation of studio and class piano courses with respect to performance standards.

Every candidate for the bachelor's degree must earn a minimum of 30 credit hours in resident credit at ASU.

Transfer students enrolled in the institute must complete a minimum of 15 credit hours of resident credit in the major as approved by the faculty.

Career Opportunities: Music research, criticism, publishing and concert management are a few of the career opportunities. Many graduates pursue a master's or a doctorate in music or in another professional field.

Contact Information:

Design & the Arts, Herberger Institute for
 School of Music
<http://music.asu.edu>
 MUSIC E185
somadmissions@asu.edu
 480-965-3371

Music Education, BMUS (FAMUSEBM)

Campus: TEMPE

Program Description: The B.Mus. in music education program is designed for students interested in pursuing careers as music teachers in the public schools. The degree program also prepares students for K-12 teaching certification.

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 142 - College Mathematics

Admission Requirements: Important: An additional application, supplementary materials, and audition are required for entrance to the School of Music. Please go to <http://music.asu.edu/admissions/undergrad/> (<http://music.asu.edu/admissions/undergrad/>) for information on applying to the School of Music.

Because entrance into the School of Music is selective, you will be asked to indicate a second choice of major when completing your application to ASU. If you pass your audition, the School of Music will change your major to the appropriate music major. In the event that you are admitted to ASU, but not selected for the School of Music, you will be placed in the second major choice you indicated on your application to ASU. Audition days take place in November (for spring admission), and February/March (for fall admission) of each year. More information on the audition process is available here: <http://music.asu.edu/admissions/auditions/> (<http://music.asu.edu/admissions/auditions/>).

Application Deadlines

Please visit <http://music.asu.edu/admissions/deadlines> (<http://music.asu.edu/admissions/deadlines>) for complete information on School of Music deadlines. Application procedures are posted at <http://music.asu.edu/admissions/undergrad/applying> (<http://music.asu.edu/admissions/undergrad/applying>).

Fall Admission: The deadline for applying to ASU for admission to B.Mus. in music education is December 1 for voice applicants, and January 15 for instrumental and keyboard applicants. A prescreening is required for all applicants who wish to audition in voice: <http://music.asu.edu/admissions/voice> (<http://music.asu.edu/admissions/voice>).

You must select a different major when applying to ASU after these deadlines. You may apply to the School of Music for the audition day(s) held during your first semester at ASU. Application procedures are posted at <http://music.asu.edu/admissions/undergrad/applying> (<http://music.asu.edu/admissions/undergrad/applying>). The School of Music will change your major to music if you pass your audition. Direct transfer of courses from other accredited institutions to the Herberger Institute for Design and the Arts are subject to:

- The existence of parallel and equal courses in the college's curriculum.
- Departmental or school evaluation of studio and class piano courses with respect to performance standards.

Every candidate for the bachelor's degree must earn a minimum of 30 credit hours in resident credit at ASU.

Transfer students enrolled in the institute must complete a minimum of 15 credit hours of resident credit in the major as approved by the faculty.

Career Opportunities: Graduates teach in public and private school music programs that offer general music, choir, band, orchestra, strings or some combination of musical activities. Graduates also:

- Perform in community and professional ensembles.
- Teach privately.
- Work in music-related industries.

Contact Information:

Design & the Arts, Herberger Institute for
 School of Music

<http://music.asu.edu/>
MUSIC E 185
musicadmissions@asu.edu
480-965-3371

Music Therapy, BMUS (FAMUSTHBM)

Campus: TEMPE

Program Description: The B.Mus. in music therapy program prepares students for a career in the mental-health/special-education profession. Music therapists use carefully planned music activities to achieve desired changes in client behavior and functioning. Music therapy is a profession in which engagement in active music-making helps a client achieve nonmusical, therapeutic goals. Educating the potential music therapist requires both a wide range of musical skills and the ability to work with people in a therapeutic manner. Music therapy students have many opportunities to develop their clinical skills. Students also study:

- Musical improvisation.
- Popular music styles.
- Songwriting.
- World music.

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 117 - College Algebra OR MAT 119 OR MAT 142

Admission Requirements: Important: An additional application, supplementary materials, and audition are required for entrance to the School of Music. Please go to http://music.asu.edu/students/prospective/undergrad/apply_SOM.php

(http://music.asu.edu/students/prospective/undergrad/apply_SOM.php) for information on applying to the School of Music.

Because entrance into the School of Music is selective, you will be asked to indicate a second choice of major when completing your application to ASU. If you pass your audition, the School of Music will change your major to the appropriate music major. In the event that you are admitted to ASU, but not selected for the School of Music, you will be placed in the second major choice you indicated on your application to ASU. Audition days take place in November (for spring admission), and February/March (for fall admission) of each year. More information on the audition process is available here: http://music.asu.edu/students/prospective/undergrad/apply_Audition.php (http://music.asu.edu/students/prospective/undergrad/apply_Audition.php).

Application Deadlines

Please visit <http://music.asu.edu/admissions/deadlines> (<http://music.asu.edu/admissions/deadlines>) for complete information on School of Music deadlines.

Spring 2012: The deadline for applying to ASU for admission to the B.Mus. in music therapy is October 1, 2011 for voice applicants, and October 15, 2011 for instrumental and keyboard applicants. A prescreening is required for all applicants who wish to audition in voice:

<http://music.asu.edu/admissions/voice> (<http://music.asu.edu/admissions/voice>).

Fall 2012: The deadline for applying to ASU for admission to B.Mus. in music therapy is December 1, 2011 for voice applicants, and January 15, 2012 for instrumental and keyboard applicants. A prescreening is required for all applicants who wish to audition in voice:

<http://music.asu.edu/admissions/voice> (<http://music.asu.edu/admissions/voice>).

You must select a different major when applying to ASU after these deadlines. You may apply to the School of Music for the audition day(s) held during your first semester at ASU. The School of Music will change your major to music if you pass your audition. Direct transfer of courses from other accredited institutions to the Herberger Institute for Design and the Arts are subject to:

- The existence of parallel and equal courses in the college's curriculum.
- Departmental or school evaluation of studio and class piano courses with respect to performance standards.

Every candidate for the bachelor's degree must earn a minimum of 30 credit hours in resident credit at ASU.

Transfer students enrolled in the institute must complete a minimum of 15 credit hours of resident credit in the major as approved by the faculty.

Career Opportunities: Graduates are eligible to register as professional music therapists and can sit for the music therapy certification examination given by the Certification Board of the American Music Therapy Association. Positions are available regionally and nationally in hospitals, schools, rehabilitation centers, nursing homes and other health care facilities. Career opportunities also include work in:

- Geriatric care.
- Mental health.
- Physical rehabilitation.
- Special education.

A music therapy career may also provide an opportunity for private practice with flexible hours.

Contact Information:

Design & the Arts, Herberger Institute for
School of Music
<http://music.asu.edu>
MUSIC E167
somadmissions@asu.edu
480-965-3371

Performance (Collaborative Piano), BMUS (FAMUSPPBM)

Campus: TEMPE

Program Description: The B.Mus. in performance with a concentration in collaborative piano offers private instruction, supervised ensemble work and ample opportunity for extensive collaborative performance experience. The program focuses on core repertoire: the English, German and French song literature and selected works from the instrumental, operatic and oratorio repertoire. Collaboration within the School of Music involves working with all performance areas, including:

- Concerts with large ensembles and choirs.
- Duo recitals with instrumental and voice colleagues.
- Performances of great chamber music literature.
- Work as rehearsal and pit pianists for the Lyric Opera Theater.

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 117 - College Algebra OR MAT 119 OR MAT 142

Admission Requirements: Important: An additional application, supplementary materials, and audition are required for entrance to the School of Music. Please go to <http://music.asu.edu/admissions/undergrad/> (<http://music.asu.edu/admissions/undergrad/>) for information on applying to the School of Music.

Because entrance into the School of Music is selective, you will be asked to indicate a second choice of major when completing your application to ASU. If you pass your audition, the School of Music will change your major to the appropriate music major. In the event that you are admitted to ASU, but not selected for the School of Music, you will be placed in the second major choice you indicated on your application to ASU. Audition days take place in November (for spring admission), and February/March (for fall admission) of each year. More information on the audition process is available here: <http://music.asu.edu/admissions/auditions/> (<http://music.asu.edu/admissions/auditions/>).

Application Deadlines

Applicants interested in this program should first contact Dr. Andrew Campbell (Andrew.Campbell@asu.edu (<mailto:Andrew.Campbell@asu.edu>)) before applying.

Please visit <http://music.asu.edu/admissions/deadlines> (<http://music.asu.edu/admissions/deadlines>) for complete information on School of Music deadlines.

Spring 2012: The deadline for applying to ASU for admission to the B.Mus. in keyboard performance is October 15, 2011.

Fall 2012: The deadline for applying to ASU for admission to B.Mus. in keyboard performance is January 15, 2012.

You must select a different major when applying to ASU after these deadlines. You may apply to the School of Music for the audition day(s) held during your first semester at ASU. The School of Music will change your major to music if you pass your audition. Direct transfer of courses from other accredited institutions to the Herberger Institute for Design and the Arts are subject to:

- The existence of parallel and equal courses in the college's curriculum.
- Departmental or school evaluation of studio and class piano courses with respect to performance standards.

Every candidate for the bachelor's degree must earn a minimum of 30 credit hours in resident credit at ASU.

Transfer students enrolled in the institute must complete a minimum of 15 credit hours of resident credit in the major as approved by the faculty.

Career Opportunities: A degree in the arts offers students a pathway to a rich and varied choice of careers. Career opportunities include:

- Collaborative pianist or private studio of piano.
- Collaborative piano.
- Professional performer.

College-level teaching does require a graduate degree.

Contact Information:

Design & the Arts, Herberger Institute for
School of Music
<http://music.asu.edu>
MUSIC E167
somadmissions@asu.edu

Performance (Guitar), BMUS (FAMUSPGBM)

Campus: TEMPE

Program Description: The B.Mus. program in performance with a concentration in guitar stresses the study of guitar literature and techniques. Goals include enabling students to express themselves musically while emphasizing the skills necessary to pursue a career as a professional musician. The course of study includes extensive performance experiences.

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 117 - College Algebra OR MAT 119 OR MAT 142

Admission Requirements: Important: An additional application, supplementary materials, and audition are required for entrance to the School of Music. Please go to <http://music.asu.edu/admissions/undergrad/> (<http://music.asu.edu/admissions/undergrad/>) for information on applying to the School of Music.

Because entrance into the School of Music is selective, you will be asked to indicate a second choice of major when completing your application to ASU. If you pass your audition, the School of Music will change your major to the appropriate music major. In the event that you are admitted to ASU, but not selected for the School of Music, you will be placed in the second major choice you indicated on your application to ASU. Audition days take place in November (for spring admission), and February/March (for fall admission) of each year. More information on the audition process is available here: <http://music.asu.edu/admissions/auditions/> (<http://music.asu.edu/admissions/auditions/>).

Application Deadlines

Please visit <http://music.asu.edu/admissions/deadlines> (<http://music.asu.edu/admissions/deadlines>) for complete information on School of Music deadlines.

Spring 2012: The deadline for applying to ASU for admission to the B.Mus. in guitar performance is October 15, 2011.

Fall 2012: The deadline for applying to ASU for admission to B.Mus. in guitar performance is January 15, 2012.

You must select a different major when applying to ASU after these deadlines. You may apply to the School of Music for the audition day(s) held during your first semester at ASU. The School of Music will change your major to music if you pass your audition. Direct transfer of courses from other accredited institutions to the Herberger Institute for Design and the Arts are subject to:

- The existence of parallel and equal courses in the college's curriculum.
- Departmental or school evaluation of studio and class piano courses with respect to performance standards.

Every candidate for the bachelor's degree must earn a minimum of 30 credit hours in resident credit at ASU.

Transfer students enrolled in the institute must complete a minimum of 15 credit hours of resident credit in the major as approved by the faculty.

Career Opportunities: Career opportunities include:

- Artist-in-residence interaction as part of school programs, or state or community arts councils, for social functions.
- Performing as a concert soloist or in chamber music ensembles.
- Providing music for restaurants, clubs, resorts, churches and art galleries.
- Recording and studio work.
- Teaching privately or as part of a college or university program.

Contact Information:

Design & the Arts, Herberger Institute for

School of Music

<http://music.asu.edu>

MUSIC E167

somadmissions@asu.edu

480-965-3371

Performance (Jazz), BMUS (FAMUSPJBM)

Campus: TEMPE

Program Description: The jazz concentration, under the B.Mus. in performance, places an emphasis on the improvisational aspects of jazz. The curriculum combines jazz performance, composition and pedagogy in a program that allows the student to express himself or herself musically while emphasizing the skills necessary to pursue a career as a professional musician. The study of jazz performance can be a suitable background for work in:

- Contemporary composition.
- Film scoring, writing and arranging.

- Performance.
- Private instruction.
- Recording studios.
- Teaching jazz pedagogy and other related fields in the music industry.

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 117 - College Algebra OR MAT 119 OR MAT 142

Admission Requirements: Important: An additional application, supplementary materials, and audition are required for entrance to the School of Music. Please go to <http://music.asu.edu/admissions/undergrad/> (<http://music.asu.edu/admissions/undergrad/>) for information on applying to the School of Music.

Because entrance into the School of Music is selective, you will be asked to indicate a second choice of major when completing your application to ASU. If you pass your audition, the School of Music will change your major to the appropriate music major. In the event that you are admitted to ASU, but not selected for the School of Music, you will be placed in the second major choice you indicated on your application to ASU. Audition days take place in November (for spring admission), and February/March (for fall admission) of each year. More information on the audition process is available here: <http://music.asu.edu/admissions/auditions/> (<http://music.asu.edu/admissions/auditions/>).

Application Deadlines

Please visit <http://music.asu.edu/admissions/deadlines> (<http://music.asu.edu/admissions/deadlines>) for complete information on School of Music deadlines.

Spring 2012: The deadline for applying to ASU for admission to the B.Mus. in jazz performance is October 15, 2011.

Fall 2012: The deadline for applying to ASU for admission to B.Mus. in jazz performance is January 15, 2012.

You must select a different major when applying to ASU after these deadlines. You may apply to the School of Music for the audition day(s) held during your first semester at ASU. The School of Music will change your major to music if you pass your audition. Direct transfer of courses from other accredited institutions to the Herberger Institute for Design and the Arts are subject to:

- The existence of parallel and equal courses in the college's curriculum.
- Departmental or school evaluation of studio and class piano courses with respect to performance standards.

Every candidate for the bachelor's degree must earn a minimum of 30 credit hours in resident credit at ASU.

Transfer students enrolled in the institute must complete a minimum of 15 credit hours of resident credit in the major as approved by the faculty.

Career Opportunities: Graduates are prepared to work in various professional capacities, including:

- Accompanist.
- Film scorer.
- Freelance musician.
- Jazz composer/arranger.
- Professional recording artist.
- Studio musician.
- Teacher.

Contact Information:

Design & the Arts, Herberger Institute for

School of Music

<http://music.asu.edu>

MUSIC E167

somadmissions@asu.edu

480-965-3371

Performance (Keyboard), BMUS (FAMUSPKBM)

Campus: TEMPE

Program Description: The B.Mus. in performance with a concentration in keyboard stresses the study of literature and techniques of the piano, organ or harpsichord. Goals include enabling students to express themselves musically while emphasizing the skills necessary to pursue a career as a professional musician. The course of study includes extensive performance experience.

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 117 - College Algebra OR MAT 119 OR MAT 142

Admission Requirements: Important: An additional application, supplementary materials, and audition are required for entrance to the School of

Music. Please go to <http://music.asu.edu/admissions/undergrad/> (<http://music.asu.edu/admissions/undergrad/>) for information on applying to the School of Music.

Because entrance into the School of Music is selective, you will be asked to indicate a second choice of major when completing your application to ASU. If you pass your audition, the School of Music will change your major to the appropriate music major. In the event that you are admitted to ASU, but not selected for the School of Music, you will be placed in the second major choice you indicated on your application to ASU. Audition days take place in November (for spring admission), and February/March (for fall admission) of each year. More information on the audition process is available here: <http://music.asu.edu/admissions/auditions/> (<http://music.asu.edu/admissions/auditions/>).

Application Deadlines

Please visit <http://music.asu.edu/admissions/deadlines> (<http://music.asu.edu/admissions/deadlines>) for complete information on School of Music deadlines.

Spring 2012: The deadline for applying to ASU for admission to the B.Mus. in keyboard performance is October 15, 2011.

Fall 2012: The deadline for applying to ASU for admission to B.Mus. in keyboard performance is January 15, 2012.

You must select a different major when applying to ASU after these deadlines. You may apply to the School of Music for the audition day(s) held during your first semester at ASU. The School of Music will change your major to music if you pass your audition. Direct transfer of courses from other accredited institutions to the Herberger Institute for Design and the Arts are subject to:

- The existence of parallel and equal courses in the college's curriculum.
- Departmental or school evaluation of studio and class piano courses with respect to performance standards.

Every candidate for the bachelor's degree must earn a minimum of 30 credit hours in resident credit at ASU.

Transfer students enrolled in the institute must complete a minimum of 15 credit hours of resident credit in the major as approved by the faculty.

Career Opportunities: Career opportunities include:

- Artist-in-residence interaction as part of school programs, or state or community arts councils.
- Performing as a concert soloist or in chamber music ensembles.
- Performing for social functions.
- Providing music for restaurants, clubs, resorts, churches and art galleries.
- Recording and studio work.
- Teaching privately or as part of a college or university program.

Contact Information:

Design & the Arts, Herberger Institute for
School of Music

<http://music.asu.edu>

MUSIC E167

somadmissions@asu.edu

480-965-3371

Performance (Music Theatre), BMUS (FAMUSPMBM)

Campus: TEMPE

Program Description: The B.Mus in performance with a concentration in music theatre involves workshopping music theatre performance techniques, and performances in various kinds of musical theatre. Students perform in up to five full productions every year, including most varieties of music theatre. The program includes classes in techniques and skills specifically appropriate for music theatre consequently, music theatre students are not dependent upon classes in music and theatre as separate entities. The general education requirements include courses in dance and acting.

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 117 - College Algebra OR MAT 119 OR MAT 142

Admission Requirements: Important: An additional application, supplementary materials, and audition are required for entrance to the School of Music. Please go to http://music.asu.edu/students/prospective/undergrad/apply_SOM.php

(http://music.asu.edu/students/prospective/undergrad/apply_SOM.php) for information on applying to the School of Music.

Because entrance into the School of Music is selective, you will be asked to indicate a second choice of major when completing your application to ASU. If you pass your audition, the School of Music will change your major to the appropriate music major. In the event that you are admitted to ASU, but not selected for the School of Music, you will be placed in the second major choice you indicated on your application to ASU. Audition days take place in November (for spring admission), and February/March (for fall admission) of each year. More information on the audition process is available here: http://music.asu.edu/students/prospective/undergrad/apply_Audition.php

(http://music.asu.edu/students/prospective/undergrad/apply_Audition.php).

Application Deadlines

Please visit <http://music.asu.edu/admissions/deadlines> (<http://music.asu.edu/admissions/deadlines>) for complete information on School of Music

deadlines.

Spring 2012: The deadline for applying to ASU for admission to the B.Mus. in music theatre performance is October 1, 2011 for voice applicants, and October 15, 2011 for instrumental and keyboard applicants. A prescreening is required for all applicants who wish to audition in voice: <http://music.asu.edu/admissions/voice> (<http://music.asu.edu/admissions/voice>).

Fall 2012: The deadline for applying to ASU for admission to B.Mus. in music theatre performance is December 1, 2011 for voice applicants, and January 15, 2012 for instrumental and keyboard applicants. A prescreening is required for all applicants who wish to audition in voice: <http://music.asu.edu/admissions/voice> (<http://music.asu.edu/admissions/voice>).

You must select a different major when applying to ASU after these deadlines. You may apply to the School of Music for the audition day(s) held during your first semester at ASU. The School of Music will change your major to music if you pass your audition. Direct transfer of courses from other accredited institutions to the Herberger Institute for Design and the Arts are subject to:

- The existence of parallel and equal courses in the college's curriculum.
- Departmental or school evaluation of studio and class piano courses with respect to performance standards.

Every candidate for the bachelor's degree must earn a minimum of 30 credit hours in resident credit at ASU.

Transfer students enrolled in the institute must complete a minimum of 15 credit hours of resident credit in the major as approved by the faculty.

Career Opportunities: This degree is designed for individuals who plan a career as a performing singer-actor/actress in opera, operetta, musicals and other forms of musical theatre. Graduates find work as conductors, teachers, singers and as actors/actresses. Graduates perform:

- On Broadway.
- In major opera houses.
- In national touring companies.
- At universities, colleges and schools.

Contact Information:

Design & the Arts, Herberger Institute for
School of Music

<http://music.asu.edu>

MUSIC E167

somadmissions@asu.edu

480-965-3371

Performance (Orchestral Instrument), BMUS (FAMUSPOBM)

Campus: TEMPE

Program Description: The B.Mus. in performance (orchestral instrument) stresses the study of specific orchestral instrument literature and techniques. Goals include enabling students to express themselves musically while emphasizing the skills necessary to pursue a career as a professional musician. The course of study includes extensive performance experience.

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 117 - College Algebra OR MAT 119 OR MAT 142

Admission Requirements: Important: An additional application, supplementary materials, and audition are required for entrance to the School of Music. Please go to <http://music.asu.edu/admissions/undergrad/> (<http://music.asu.edu/admissions/undergrad/>) for information on applying to the School of Music.

Because entrance into the School of Music is selective, you will be asked to indicate a second choice of major when completing your application to ASU. If you pass your audition, the School of Music will change your major to the appropriate music major. In the event that you are admitted to ASU, but not selected for the School of Music, you will be placed in the second major choice you indicated on your application to ASU. Audition days take place in November (for spring admission), and February/March (for fall admission) of each year. More information on the audition process is available here: <http://music.asu.edu/admissions/auditions/> (<http://music.asu.edu/admissions/auditions/>).

Application Deadlines

Please visit <http://music.asu.edu/admissions/deadlines> (<http://music.asu.edu/admissions/deadlines>) for complete information on School of Music deadlines.

Spring 2012: The deadline for applying to ASU for admission to the B.Mus. in performance (orchestral instrument) is October 15, 2011.

Fall 2012: The deadline for applying to ASU for admission to B.Mus. in performance (orchestral instrument) is January 15, 2012.

You must select a different major when applying to ASU after these deadlines. You may apply to the School of Music for the audition day(s) held during your first semester at ASU. The School of Music will change your major to music if you pass your audition. Direct transfer of courses from other accredited institutions to the Herberger Institute for Design and the Arts are subject to:

- The existence of parallel and equal courses in the college's curriculum.
- Departmental or school evaluation of studio and class piano courses with respect to performance standards.

Every candidate for the bachelor's degree must earn a minimum of 30 credit hours in resident credit at ASU.

Transfer students enrolled in the institute must complete a minimum of 15 credit hours of resident credit in the major as approved by the faculty.

Career Opportunities: Career opportunities for graduates include:

- Artist-in-residence interaction as part of school programs, or state or community arts councils.
- Performing as a concert soloist or in chamber music ensembles.
- Performing for social functions.
- Providing music for restaurants, clubs, resorts, churches and art galleries.
- Recording and studio work.
- Teaching privately or as part of a college or university program.

Contact Information:

Design & the Arts, Herberger Institute for

School of Music

<http://music.asu.edu>

MUSIC E167

somadmissions@asu.edu

480-965-3371

Performance (Voice), BMUS (FAMUSPVBM)

Campus: TEMPE

Program Description: The B.Mus. in performance with a concentration in voice stresses the study of specific vocal literature and techniques. Goals include enabling students to express themselves musically while emphasizing the skills necessary to pursue a career as a professional musician. The course of study includes extensive performance experience.

Additional Program Fee: N

Second Language Requirement: Y

First Required Math Course: MAT 117 - College Algebra OR MAT 119 OR MAT 142

Admission Requirements: Important: An additional application, supplementary materials, and audition are required for entrance to the School of Music. Please go to <http://music.asu.edu/admissions/undergrad/> (<http://music.asu.edu/admissions/undergrad/>) for information on applying to the School of Music.

Because entrance into the School of Music is selective, you will be asked to indicate a second choice of major when completing your application to ASU. If you pass your audition, the School of Music will change your major to the appropriate music major. In the event that you are admitted to ASU, but not selected for the School of Music, you will be placed in the second major choice you indicated on your application to ASU. Audition days take place in November (for spring admission), and February/March (for fall admission) of each year. More information on the audition process is available here: <http://music.asu.edu/admissions/auditions/> (<http://music.asu.edu/admissions/auditions/>).

Application Deadlines

Please visit <http://music.asu.edu/admissions/deadlines/> (<http://music.asu.edu/admissions/deadlines/>) for complete information on School of Music deadlines.

Spring 2012: The deadline for applying to ASU for admission to the B.Mus. in voice performance is October 1, 2011. A prescreening is required for all applicants: <http://music.asu.edu/admissions/voice/> (<http://music.asu.edu/admissions/voice/>).

Fall 2012: The deadline for applying to ASU for admission to B.Mus. in voice performance is December 1, 2011. A prescreening is required for all applicants: <http://music.asu.edu/admissions/voice/> (<http://music.asu.edu/admissions/voice/>).

You must select a different major when applying to ASU after these deadlines. You may apply to the School of Music for the audition day(s) held during your first semester at ASU. The School of Music will change your major to music if you pass your audition. Direct transfer of courses from other accredited institutions to the Herberger Institute for Design and the Arts are subject to:

- The existence of parallel and equal courses in the college's curriculum.
- Departmental or school evaluation of studio and class piano courses with respect to performance standards.

Every candidate for the bachelor's degree must earn a minimum of 30 credit hours in resident credit at ASU.

Transfer students enrolled in the institute must complete a minimum of 15 credit hours of resident credit in the major as approved by the faculty.

Career Opportunities: Career opportunities for graduates include:

- Artist-in-residence interaction as part of school programs, or state or community arts councils.
- Performing as a concert soloist or in chamber music ensembles.
- Performing for social functions.
- Providing music for restaurants, clubs, resorts, churches and art galleries.

- Recording and studio work.
- Teaching privately or as part of a college or university program.

Contact Information:

Design & the Arts, Herberger Institute for
 School of Music
<http://music.asu.edu>
 MUSIC E167
somadmissions@asu.edu
 480-965-3371

Theatre, BA (FATHEBA)

Campus: TEMPE

Program Description: A B.A. in theatre provides students with a comprehensive theatre education within the context of the liberal arts while offering specialty course work in the following areas:

- Design and production.
- New work development.
- Performance.
- Theatre and performance studies.
- Theatre for youth.

ASU offers well-equipped theatrical facilities including:

- Extensive and professionally staffed production shops.
- The Galvin Playhouse.
- The Lyceum Theatre.
- The Prism Theatre for student-production work.
- Uniquely equipped rehearsal and instructional spaces.

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 117 - College Algebra OR MAT 119 OR MAT 142

Admission Requirements: Students, both freshmen and transfers, are admitted to ASU as theatre exploratory majors. They successfully complete an interview and audition or portfolio review before enrolling as a BA Theatre major. Students may interview before enrolling at ASU or participate in the interview during their first semester of study. Students who enter before interviewing take course work in the first semester to better prepare them for the interview.

Direct transfer of courses from other accredited institutions to the Herberger Institute for Design and the Arts are subject to:

- the existence of parallel and equal courses in the college's curriculum, and
- departmental or school evaluation of studio courses with respect to performance standards.

Every candidate for the bachelor's degree must earn a minimum of 30 semester hours in resident credit at ASU. Transfer students enrolled in the college must complete a minimum of 15 semester hours of resident credit in the major as approved by the faculty.

Career Opportunities: The B.A. in theatre program provides an excellent broad-based foundation for work in the arts or entertainment professions or readies students for further training at graduate schools or conservatories. The program's liberal arts emphasis prepares graduates for a variety of occupations in both theatre and non-theatre fields. Opportunities may include work with production companies in theatre, television or film, in schools, themed entertainment or arts entrepreneurship.

Contact Information:

Design & the Arts, Herberger Institute for
 School of Theatre and Film
<http://theatrefilm.asu.edu/>
 GHALL 232
herbergeradvising@asu.edu
 480-965-5337

Theatre (Acting), BA (FATHEABA)

Campus: TEMPE

Program Description: The B.A. in theatre with a concentration in acting involves comprehensive academic and hands-on theatre study with an emphasis on performance. Student artists and scholars gain a general appreciation of the principal fields of human knowledge while acquiring training in such areas as:

- Film.
- New work development.
- Performance and directing, design and production.
- Theatre and performance studies.
- Theatre for youth.

ASU offers well-equipped theatre facilities including:

- Extensive shops.
- The Galvin Playhouse.
- The Lyceum Theatre.
- The Prism Theatre for student-produced work.
- Uniquely equipped rehearsal and instructional spaces.

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 117 - College Algebra OR MAT 119 OR MAT 142

Admission Requirements: Students are admitted to ASU as theatre exploratory majors. They successfully complete an interview and audition or portfolio review before enrolling as a B.A. Theatre major. Students may interview before enrolling at ASU or participate in the interview during their first semester of study. Students who enter before interviewing take course work in the first semester to better prepare for the interview. After students are admitted to the B.A. Theatre major, they may interview for admission into the acting concentration; these interviews are conducted in the spring semester. Sophomore standing is required for admission to the acting concentration.

Direct transfer of courses from other accredited institutions to the Herberger Institute for Design and the Arts are subject to:

- the existence of parallel and equal courses in the college's curriculum, and
- departmental or school evaluation of studio courses with respect to performance standards.

Every candidate for the bachelor's degree must earn a minimum of 30 semester hours in resident credit at ASU. Transfer students enrolled in the college must complete a minimum of 15 semester hours of resident credit in the major as approved by the faculty.

Career Opportunities: The B.A. in theatre program provides an excellent broad-based foundation for work in the profession and readies students for further training at graduate schools or conservatories. The program's liberal arts emphasis prepares graduates for a variety of occupations. The concentration in acting offers students advanced study that can lead to careers in theatre, film or media, ranging from regional/seasonal theatrical production opportunities for work in television and film, as well as careers in education and other related arts disciplines.

Contact Information:

Design & the Arts, Herberger Institute for
School of Theatre and Film
<http://theatrefilm.asu.edu/>
GHALL 232
herbergeradvising@asu.edu
480-965-5337

Theatre (Design & Production), BA (FADSNPRBA)

Campus: TEMPE

Program Description: A B.A. in theatre with a concentration in design and production provides students with an opportunity to focus their course work on performance production and thus prepare for both advanced graduate study in the field and entry-level careers in entertainment design and production within the context of a comprehensive B.A. theatre degree. ASU offers well-equipped theatrical facilities including:

- Extensive and professionally staffed production shops.
- The Galvin Playhouse.
- The Lyceum Theatre.
- The Prism Theatre for student-production work.
- Uniquely equipped rehearsal and instructional spaces.

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 117 - College Algebra OR MAT 119 OR MAT 142

Admission Requirements: Students are admitted to ASU as theatre exploratory majors. They successfully complete an interview and audition or portfolio review before enrolling as a BA Theatre major. Students may interview before enrolling at ASU or participate in the interview during their first semester of study. Students who enter before interviewing take course work in the first semester to better prepare for the interview. Interviews for admission into the BA Theatre design and production concentration are conducted each semester and require a portfolio.

Direct transfer of courses from other accredited institutions to the Herberger Institute for Design and the Arts are subject to:

- the existence of parallel and equal courses in the college's curriculum, and
- departmental or school evaluation of studio courses with respect to performance standards.

Every candidate for the bachelor's degree must earn a minimum of 30 semester hours in resident credit at ASU. Transfer students enrolled in the college must complete a minimum of 15 semester hours of resident credit in the major as approved by the faculty.

Career Opportunities: The B.A. in theatre program provides an excellent broad-based foundation for work in the profession or readies students for further training at graduate schools or conservatories. The program's liberal arts emphasis prepares graduates for a variety of occupations. The design and production concentration offers students advanced study that can lead to careers as designers or technologists in the performing arts and the entertainment industry.

Contact Information:

Design & the Arts, Herberger Institute for

School of Theatre and Film

<http://theatrefilm.asu.edu/>

GHALL 232

herbergeradvising@asu.edu

480-965-5337

Theory & Composition (Composition), BMUS (FAMUSTCBM)

Campus: TEMPE

Program Description: The B.Mus. in theory and composition with a concentration in composition program focuses on the study of music from a compositional viewpoint. This program may be used as the first step toward a master's or doctorate in music theory and composition. The School of Music offers students the opportunity to study with theorists and composers who have established national and international reputations.

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 117 - College Algebra OR MAT 119 OR MAT 142

Admission Requirements: Important: An additional application, supplementary materials, and audition are required for entrance to the School of Music. Please go to http://music.asu.edu/students/prospective/undergrad/apply_SOM.php

(http://music.asu.edu/students/prospective/undergrad/apply_SOM.php) for information on applying to the School of Music.

Because entrance into the School of Music is selective, you will be asked to indicate a second choice of major when completing your application to ASU. If you pass your audition, the School of Music will change your major to the appropriate music major. In the event that you are admitted to ASU, but not selected for the School of Music, you will be placed in the second major choice you indicated on your application to ASU. Audition days take place in November (for spring admission), and February/March (for fall admission) of each year. More information on the audition process is available here: http://music.asu.edu/students/prospective/undergrad/apply_Audition.php

(http://music.asu.edu/students/prospective/undergrad/apply_Audition.php).

Application Deadlines

Please visit <http://music.asu.edu/admissions/deadlines> (<http://music.asu.edu/admissions/deadlines>) for complete information on School of Music deadlines.

Spring 2012: The deadline for applying to ASU for admission to the B.Mus. in composition is October 1, 2011. A prescreening portfolio is required of all applicants. In addition, a separate prescreening is required for all applicants who wish to audition in voice. Prescreening information:

<http://music.asu.edu/admissions/prescreening> (<http://music.asu.edu/admissions/prescreening>).

Fall 2012: The deadline for applying to ASU for admission to B.Mus. in composition is December 1, 2011. A prescreening portfolio is required of all applicants. In addition, a separate prescreening is required for all applicants who wish to audition in voice. Prescreening information:

<http://music.asu.edu/admissions/prescreening> (<http://music.asu.edu/admissions/prescreening>).

You must select a different major when applying to ASU after these deadlines. You may apply to the School of Music for the audition day(s) held during your first semester at ASU. The School of Music will change your major to music if you pass your audition. Direct transfer of courses from other accredited institutions to the Herberger Institute for Design and the Arts are subject to:

- The existence of parallel and equal courses in the college's curriculum.
- Departmental or school evaluation of studio and class piano courses with respect to performance standards.

Every candidate for the bachelor's degree must earn a minimum of 30 credit hours in resident credit at ASU.

Transfer students enrolled in the institute must complete a minimum of 15 credit hours of resident credit in the major as approved by the faculty.

Career Opportunities: A degree in the arts offers students a pathway to a rich and varied choice of careers. This particular program is designed for a student who plans a career as a professional composer, arranger or college-level teacher of theory and composition. College-level teaching does require a graduate degree.

Contact Information:

Design & the Arts, Herberger Institute for
 School of Music
<http://music.asu.edu>
 MUSIC E167
somadmissions@asu.edu
 480-965-3371

Theory & Composition (Theory), BMUS (FAMUSTTBM)

Campus: TEMPE

Program Description: The B.Mus. in theory and composition with a concentration in theory program focuses on the theoretical study of music. This program may be used as the first step toward a master's or doctorate in music theory and composition. The School of Music offers students the opportunity to study with theorists and composers who have established national and international reputations.

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 117 - College Algebra OR MAT 119 OR MAT 142

Admission Requirements: Important: An additional application, supplementary materials, and audition are required for entrance to the School of Music. Please go to http://music.asu.edu/students/prospective/undergrad/apply_SOM.php

(http://music.asu.edu/students/prospective/undergrad/apply_SOM.php) for information on applying to the School of Music.

Because entrance into the School of Music is selective, you will be asked to indicate a second choice of major when completing your application to ASU. If you pass your audition, the School of Music will change your major to the appropriate music major. In the event that you are admitted to ASU, but not selected for the School of Music, you will be placed in the second major choice you indicated on your application to ASU. Audition days take place in November (for spring admission), and February/March (for fall admission) of each year. More information on the audition process is available here: http://music.asu.edu/students/prospective/undergrad/apply_Audition.php (http://music.asu.edu/students/prospective/undergrad/apply_Audition.php).

Application Deadlines

Please visit <http://music.asu.edu/admissions/deadlines> (<http://music.asu.edu/admissions/deadlines>) for complete information on School of Music deadlines.

Spring 2012: The deadline for applying to ASU for admission to the B.Mus. in music theory is October 1, 2011 for voice applicants, and October 15, 2011 for instrumental and keyboard applicants. A prescreening is required for all applicants who wish to audition in voice:

<http://music.asu.edu/admissions/voice> (<http://music.asu.edu/admissions/voice>).

Fall 2012: The deadline for applying to ASU for admission to B.Mus. in music theory is December 1, 2011 for voice applicants, and January 15, 2012 for instrumental and keyboard applicants. A prescreening is required for all applicants who wish to audition in voice:

<http://music.asu.edu/admissions/voice> (<http://music.asu.edu/admissions/voice>).

You must select a different major when applying to ASU after these deadlines. You may apply to the School of Music for the audition day(s) held during your first semester at ASU. The School of Music will change your major to music if you pass your audition. Direct transfer of courses from other accredited institutions to the Herberger Institute for Design and the Arts are subject to:

- The existence of parallel and equal courses in the college's curriculum.
- Departmental or school evaluation of studio and class piano courses with respect to performance standards.

Every candidate for the bachelor's degree must earn a minimum of 30 credit hours in resident credit at ASU.

Transfer students enrolled in the institute must complete a minimum of 15 credit hours of resident credit in the major as approved by the faculty.

Career Opportunities: A degree in the arts offers students a pathway to a rich and varied choice of careers. This particular program is designed for a student who plans a career as a professional theorist, composer, arranger or college-level teacher of theory and composition. College-level teaching does require a graduate degree.

Contact Information:

Design & the Arts, Herberger Institute for
 School of Music

<http://music.asu.edu>
MUSIC E167
somadmissions@asu.edu
480-965-3371

Engineering, Ira A. Fulton Schools of

Aerospace Engineering (Aeronautics), BSE (ESAEROBSE)

Campus: TEMPE

Program Description: The aerospace engineering curriculum provides students with an education in technological areas critical to the design and development of aerospace vehicles and systems. The aeronautics concentration, under the B.S.E. in aerospace engineering, emphasizes engineering and the design of aircraft, helicopters, missiles and other vehicles that fly through the atmosphere. Topics in required courses cover:

- Aerodynamics.
- Aerospace materials.
- Aircraft structures.
- Flight mechanics.
- Propulsion.
- Stability and control.

Required astronautics topics include:

- Attitude control.
- Orbital mechanics.
- Rocket propulsion.

Accredited by the Engineering Accreditation Commission of ABET, <http://www.abet.org> (<http://www.abet.org/>).

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 265 - Calculus for Engineers I

Degree Requirements:

Admission Requirements: The admission standards for majors in the Ira A. Fulton Schools of Engineering are higher than minimum university admission standards. International students may have an additional English-language proficiency criterion. Foreign nationals must meet the same admission requirements shown below with the possible additional requirement of a minimum TOEFL score. If the university requires a TOEFL score from the applicant, (see <http://global.asu.edu/future/undergrad> (<http://global.asu.edu/future/undergrad>)) then admission to engineering requires a minimum TOEFL score of 550 (paper-based), 213 (computer-based), 79 on iBT (Internet-based) or a minimum IELTS score of 6.5.

Freshman Admission:

- Minimum 1140 SAT combined math and verbal or minimum 24 ACT combined score; or 3.00 minimum ABOR GPA; or class ranking in top 25 percent of high school class, and
- No high school math or science competency deficiencies.

Transfer students with fewer than 24 transferable college credit hours:

- Minimum transfer GPA of 3.00 for less than 24 transfer hours, and
- No high school math or science competency deficiencies, and
- Minimum 1140 SAT combined math and verbal or minimum 24 ACT combined score, or 3.00 minimum ABOR GPA, or class ranking in top 25 percent of high school class.

Transfer students with 24 or more transferable college credit hours:

- Minimum transfer GPA of 3.00 for 24 or more transfer hours, and
- No high school math or science competency deficiencies (if Undergraduate Admissions requires submission of a high school transcript).

Career Opportunities: A majority of students entering the field of aerospace engineering desire to work on the design and analysis of aerospace vehicles. Most graduates are employed in the aerospace industry or in government positions related to aerospace. Specific careers in aerospace

engineering include:

- Aeronautical and space systems integration.
- Configuration development.
- Material and structural design.
- Propulsion engineering.
- Space mission design and analysis.
- Vehicle and component analysis using computer-aided tools.
- Vehicle design and performance.
- Wind-tunnel and flight testing.

The objectives of the aerospace engineering program are for graduates to be employed in aerospace engineering or a related field or accepted to graduate school. Our graduates will:

- Be employed as engineers or will be enrolled in (or have graduated from) engineering or professional graduate school.
- Contribute to the design of solutions to complex problems.
- Demonstrate professionalism and will hold positions of increasing responsibility within their organizations.

Contact Information:

Engineering, Ira A. Fulton Schools of
Mechanical and Aerospace Engineering Program
<http://engineering.asu.edu/semte>
ECG 202
semte@asu.edu
480-965-2335

Aerospace Engineering (Astronautics), BSE (ESAEASBSE)

Campus: TEMPE

Program Description: The aerospace engineering curriculum provides students with an education in technological areas critical to the design and development of aerospace vehicles and systems.

The astronautics curriculum covers:

- Attitude determination and control.
- Elective topics in astronautics.
- Gas dynamics.
- Orbital mechanics.
- Rocket propulsion.
- Space environment.
- Space structures.
- Telecommunications.

Students in the astronautics concentration culminate their major study with a capstone design project that incorporates the multiple disciplines involved in the creation of a space-going vehicle.

Accredited by the Engineering Accreditation Commission of ABET, <http://www.abet.org> (<http://www.abet.org>).

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 265 - Calculus for Engineers I

Admission Requirements: The admission standards for majors in the Ira A. Fulton Schools of Engineering are higher than minimum university admission standards. International students may have an additional English-language proficiency criterion. Foreign nationals must meet the same admission requirements shown below with the possible additional requirement of a minimum TOEFL score. If the university requires a TOEFL score from the applicant, (see <http://global.asu.edu/future/undergrad> (<http://global.asu.edu/future/undergrad>)) then admission to engineering requires a minimum TOEFL score of 550 (paper-based), 213 (computer-based), 79 on iBT (Internet-based) or a minimum IELTS score of 6.5.

Freshman Admission:

- Minimum 1140 SAT combined math and verbal or minimum 24 ACT combined score; or 3.00 minimum ABOR GPA; or class ranking in top 25 percent of high school class, and
- No high school math or science competency deficiencies.

Transfer students with fewer than 24 transferable college credit hours:

- Minimum transfer GPA of 3.00 for less than 24 transfer hours, and
- No high school math or science competency deficiencies, and
- Minimum 1140 SAT combined math and verbal or minimum 24 ACT combined score, or 3.00 minimum ABOR GPA, or class ranking in top 25 percent of high school class.

Transfer students with 24 or more transferable college credit hours:

- Minimum transfer GPA of 3.00 for 24 or more transfer hours, and
- No high school math or science competency deficiencies (if Undergraduate Admissions requires submission of a high school transcript).

Career Opportunities: A majority of students entering the field of aerospace engineering desire to work on the design and analysis of aerospace vehicles. Most graduates are employed in the aerospace industry or in government positions related to aerospace. Specific careers in aerospace engineering include:

- Aeronautical and space systems integration.
- Configuration development.
- Material and structural design.
- Propulsion engineering.
- Space mission design and analysis.
- Vehicle and component analysis using computer-aided tools.
- Vehicle design and performance.
- Wind-tunnel and flight testing.

The objectives of the aerospace engineering program are for graduates to be employed in aerospace engineering or a related field or accepted to graduate school. Our graduates will:

- Be employed as engineers or will be enrolled in (or have graduated from) engineering or professional graduate school.
- Contribute to the design of solutions to complex problems.
- Demonstrate professionalism and will hold positions of increasing responsibility within their organizations.

Contact Information:

Engineering, Ira A. Fulton Schools of
 Mechanical and Aerospace Engineering Program
<http://engineering.asu.edu/semte>
 ECG 202
 semte@asu.edu
 480-965-2335

Biomedical Engineering, BSE (ESBMEBSE)

Campus: TEMPE

Program Description: Biomedical engineering uses principles and methods from engineering and the physical sciences to solve problems in biology and medicine.

Our first primary goal is to produce high-quality graduates with broad-based education in engineering and the life and natural sciences who are well prepared for further graduate study in biomedical engineering, a career in biomedical research, or entry into a medical or other health professional school.

The second primary goal is to graduate students who apply their skills in an ethical, sustainable and environmentally responsible manner to make contributions that address societal and individual needs.

Our objective is to prepare students:

- For productive employment, graduate study, or professional programs, especially in human and animal medicine, biotechnology and related biology-based engineering fields.
- Who continue to develop technical knowledge, awareness and leadership abilities to address domestic or global issues in human health.
- Who will ethically and responsibly contribute to society, drawing from an integrated, multidisciplinary biomedical engineering education, focusing on sustainability and environmentalism.

Accredited by the Engineering Accreditation Commission of ABET, 111 Market Place, Suite 1050, Baltimore, MD 21202-4012, telephone: 410-347-7700.

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 265 - Calculus for Engineers I

Admission Requirements: The admission standards for majors in the Ira A. Fulton Schools of Engineering are higher than minimum university admission standards. International students may have an additional English-language proficiency criterion. Foreign nationals must meet the same admission requirements shown below with the possible additional requirement of a minimum TOEFL score. If the university requires a TOEFL score from the applicant, (see <http://global.asu.edu/future/undergrad> (<http://global.asu.edu/future/undergrad>)) then admission to engineering requires a minimum TOEFL score of 550 (paper-based), 79 on iBT (Internet-based) or a minimum IELTS score of 6.5.

Freshman Admission:

- Minimum 1140 SAT combined math and verbal or minimum 24 ACT combined score; or 3.00 minimum ABOR GPA; or class ranking in top 25 percent of high school class, and
- No high school math or science competency deficiencies.

Transfer students with fewer than 24 transferable college credit hours:

- Minimum transfer GPA of 3.00 for less than 24 transfer hours, and
- No high school math or science competency deficiencies, and
- Minimum 1140 SAT combined math and verbal or minimum 24 ACT combined score, or 3.00 minimum ABOR GPA, or class ranking in top 25 percent of high school class.

Transfer students with 24 or more transferable college credit hours must meet EITHER the primary OR the secondary criteria (not both):

Primary Criteria

- Minimum transfer GPA of 3.00 for 24 or more transfer hours, and
- No high school math or science competency deficiencies (if Undergraduate Admissions requires submission of a high school transcript).

Secondary Criteria

- Minimum transfer GPA of 2.75 for 24 or more transfer hours, and
- Minimum GPA of 3.00 in all critical courses for Terms 1 and 2 (see major map for critical courses), and
- No high school math or science competency deficiencies (if Undergraduate Admissions requires submission of a high school transcript).

Career Opportunities: Biomedical engineers are employed in industry, hospitals and research facilities affiliated with educational and medical institutions, education and governmental regulatory agencies. They often serve a coordinating or interfacing function, using their background in both the engineering and medical fields. In industry, they may create designs where an in-depth understanding of living systems and technology is essential. They may be involved in performance testing of new or proposed products. Government positions often involve product testing and safety, as well as establishing safety standards for devices. In the hospital, the biomedical engineer may provide advice on the selection and use of medical equipment and supervise performance testing and maintenance of the selected equipment. Biomedical engineers may also build customized devices for special health care or research needs.

Contact Information:

Engineering, Ira A. Fulton Schools of
Harrington Bioengineering Program
<http://engineering.asu.edu/bhse>
ECG 334
sbhse@asu.edu
480-965-3028

Chemical Engineering, BSE (ESCHEBSE)

Campus: TEMPE

Program Description: Chemical engineering deals with the application of chemistry, physics and mathematics to the process of converting raw materials or chemicals into more useful or valuable forms. Chemical engineering also involves the design of valuable new materials and chemical products.

The B.S.E. offered in the chemical engineering program builds on a broad base of knowledge within the basic and mathematical sciences and engineering, and offers excellent career opportunities. Chemical engineers are engaged in the development and production of a diverse range of products, including high performance materials needed for aerospace, automotive, biomedical, electronic, environmental and military applications. The modern discipline of chemical engineering is intertwined with biology and biomedical engineering.

Accredited by the Engineering Accreditation Commission of ABET, 111 Market Place, Suite 1050, Baltimore, MD 21202-4012, telephone: 410-347-7700.

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 265 - Calculus for Engineers I

Admission Requirements: The admission standards for majors in the Ira A. Fulton Schools of Engineering are higher than minimum university admission standards. International students may have an additional English-language proficiency criterion. Foreign nationals must meet the same admission requirements shown below with the possible additional requirement of a minimum TOEFL score. If the university requires a TOEFL score from the applicant, (see <http://global.asu.edu/future/undergrad>) then admission to engineering requires a minimum TOEFL score of 550 (paper-based), 213 (computer-based), 79 on iBT (Internet-based) or a minimum IELTS score of 6.5.

Freshman Admission:

- Minimum 1140 SAT combined math and verbal or minimum 24 ACT combined score; or 3.00 minimum ABOR GPA; or class ranking in top 25 percent of high school class, and
- No high school math or science competency deficiencies.

Transfer students with fewer than 24 transferable college credit hours:

- Minimum transfer GPA of 3.00 for less than 24 transfer hours, and
- No high school math or science competency deficiencies, and
- Minimum 1140 SAT combined math and verbal or minimum 24 ACT combined score, or 3.00 minimum ABOR GPA, or class ranking in top 25 percent of high school class.

Transfer students with 24 or more transferable college credit hours:

- Minimum transfer GPA of 3.00 for 24 or more transfer hours, and
- No high school math or science competency deficiencies (if Undergraduate Admissions requires submission of a high school transcript).

Career Opportunities: Chemical engineers have traditionally played a key role in industries as varied as:

- Artificial fibers.
- Ceramics.
- Food.
- Glass.
- Petrochemicals.
- Petroleum.
- Plastics.
- Primary metals.
- Specialty chemicals.

Newer areas, such as semiconductors, biotechnology, biomedical engineering, modern materials (composites, superconductors) and the solution of environmental problems, have also generated more opportunities for chemical engineers. These factors, along with the recent recovery and reported record earnings of the chemical and petroleum industries, have created a great demand for chemical engineering graduates.

Contact Information:

Engineering, Ira A. Fulton Schools of
Chemical Engineering Program
<http://engineering.asu.edu/semte>
ECG 202
semte@asu.edu
480-965-2335

Civil Engineering, BSE (ESCEEBS)

Campus: TEMPE

Program Description: Civil engineering majors in the Ira A. Fulton Schools of Engineering have three choices within the B.S.E. accredited program:

- Civil engineering.
- Civil engineering with environmental engineering concentration.
- Civil engineering with sustainable engineering concentration.

The first choice allows students to choose among design and technical elective courses in their senior year. The other choices specify design and technical courses to students with minimal choices. Regardless of choice, the B.S.E. in civil engineering is accredited by the Engineering Accreditation Commission of ABET, 111 Market Place, Suite 1050, Baltimore, MD 21202-4012, telephone: 410-347-7700.

Civil engineering involves the analysis, planning, design, construction, maintenance and application of sustainable practices in all areas of urban infrastructure for government, commerce, industry and the public domain. These include:

- Airports.
- Bridges.
- Canals.
- Dams.
- Factories.
- Office towers.
- Roadway systems.
- Schools.
- Tunnels and subway systems.
- Water purification facilities.

Civil engineers are concerned with the impact their projects have on the public and the environment; they coordinate the needs of society with technical and economic feasibility.

The curriculum exposes students to various areas of civil engineering, including:

- Construction engineering.
- Environmental engineering.
- Geotechnical engineering.
- Hydrosystems engineering.
- Structures.
- Transportation.

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 265 - Calculus for Engineers I

Admission Requirements: The admission standards for majors in the Ira A. Fulton Schools of Engineering are higher than minimum university standards. International students may have an additional English-language proficiency criterion. Foreign nationals must meet the same admission requirements shown below with the possible additional requirement of a minimum TOEFL score. If the university requires a TOEFL score from the applicant, (see <http://global.asu.edu/future/undergrad>) then admission to engineering requires a minimum TOEFL score of 550 (paper-based), 213 (computer-based), 79 on iBT (Internet-based) or a minimum IELTS score of 6.5.

Freshman Admission:

- Minimum 1140 SAT combined math and verbal or minimum 24 ACT combined score; or 3.00 minimum ABOR GPA; or class ranking in top 25 percent of high school class, and
- No high school math or science competency deficiencies.

Transfer students with fewer than 24 transferable college credit hours:

- Minimum transfer GPA of 3.00 for less than 24 transfer hours, and
- No high school math or science competency deficiencies, and
- Minimum 1140 SAT combined math and verbal or minimum 24 ACT combined score, or 3.00 minimum ABOR GPA, or class ranking in top 25 percent of high school class.

Transfer student with 24 or more transferable college credit hours must meet EITHER the primary OR secondary criteria (not both):

Primary Criteria

- Minimum transfer GPA of 3.00 for 24 or more transfer hours, and
- No high school math or science competency deficiencies (if Undergraduate Admissions requires submission of a high school transcript).

Secondary Criteria

- Minimum transfer GPA of 2.75 for 24 or more transfer hours, and
- Minimum GPA of 2.75 in all critical courses for Terms 1 and 2 (see major map for critical courses), and
- No high school math or science competency deficiencies (if Undergraduate Admissions requires submission of a high school transcript).

Career Opportunities: ASU graduates with a B.S.E. in civil engineering readily find employment. Civil engineers work in many different types of companies, from large corporations to small, private consulting firms, or governmental agencies. A civil engineering background is an excellent foundation for jobs in management and public service. Civil engineering is one of the best engineering professions from the viewpoint of international travel opportunities or for eventually establishing one's own consulting business. The B.S.E. in civil engineering prepares graduates for the Fundamentals of Engineering (FE) examination, the Professional Engineering (PE) examination and graduate degrees.

Contact Information:

Engineering, Ira A. Fulton Schools of
Civil, Environmental and Sustainable Eng Program
<http://engineering.asu.edu/sebe>
ECG 251
sebe.advising@asu.edu
480-965-0595

Civil Engineering (Environmental Engineering), BSE (ESCEEEBSE)

Campus: TEMPE

Program Description: Civil engineering majors in the Ira A. Fulton Schools of Engineering have three choices within the B.S.E. accredited program:

- Civil engineering.
- Civil engineering with environmental engineering concentration.
- Civil engineering with sustainable engineering concentration.

The first choice allows students to choose among design and technical elective courses in their senior year. The other choices specify design and technical courses to students with minimal choices. Regardless of choice, the B.S.E. in civil engineering is accredited by the Engineering Accreditation Commission of ABET, 111 Market Place, Suite 1050, Baltimore, MD 21202-4012, telephone: 410-347-7700.

The faculty in the Ira A. Fulton Schools of Engineering offer a B.S.E. in civil engineering, with a concentration in environmental engineering. Environmental engineering is a multidisciplinary field based on traditional civil engineering principles, chemistry, biology and geology. Environmental engineers are involved with:

- Air pollution technology.
- Analysis of the fate and transport of pollutants in natural environments.
- Application of sustainable practices in all areas of urban infrastructure.
- Construction of hazardous waste containment systems.
- The design and operation of water and wastewater treatment systems.
- Remediation of contaminated soils and waters.
- Surface water quality management.
- Water conservation and reuse.

In addition to environmental engineering, the curriculum exposes students to other areas of civil engineering, including:

- Geotechnical engineering.
- Hydrosystems engineering.
- Structures.
- Transportation.

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 265 - Calculus for Engineers I

Admission Requirements: The admission standards for majors in the Ira A. Fulton Schools of Engineering are higher than minimum university standards. International students may have an additional English-language proficiency criterion. Foreign nationals must meet the same admission requirements shown below with the possible additional requirement of a minimum TOEFL score. If the university requires a TOEFL score from the applicant, (see <http://global.asu.edu/future/undergrad>) then admission to engineering requires a minimum TOEFL score of 550 (paper-based), 213 (computer-based), 79 on iBT (Internet-based) or a minimum IELTS score of 6.5.

Freshman Admission:

- Minimum 1140 SAT combined math and verbal or minimum 24 ACT combined score; or 3.00 minimum ABOR GPA; or class ranking in top 25 percent of high school class, and
- No high school math or science competency deficiencies.

Transfer students with fewer than 24 transferable college credit hours:

- Minimum transfer GPA of 3.00 for less than 24 transfer hours, and
- No high school math or science competency deficiencies, and
- Minimum 1140 SAT combined math and verbal or minimum 24 ACT combined score, or 3.00 minimum ABOR GPA, or class ranking in top 25 percent of high school class.

Transfer student with 24 or more transferable college credit hours must meet EITHER the primary OR secondary criteria (not both):

Primary Criteria

- Minimum transfer GPA of 3.00 for 24 or more transfer hours, and
- No high school math or science competency deficiencies (if Undergraduate Admissions requires submission of a high school transcript).

Secondary Criteria

- Minimum transfer GPA of 2.75 for 24 or more transfer hours, and
- Minimum GPA of 2.75 in all critical courses for Terms 1 and 2 (see major map for critical courses), and
- No high school math or science competency deficiencies (if Undergraduate Admissions requires submission of a high school transcript).

Career Opportunities: ASU graduates with a B.S.E. in civil engineering with a concentration in environmental engineering find employment in consulting firms, municipalities, regulatory agencies and industry. The growth of environmental engineering positions has been balanced by the growing number of students entering the field, resulting in a stable job market.

A civil engineering background is an excellent foundation for jobs in management and public service. International opportunities are abundant and are likely to expand. The B.S.E. in civil engineering prepares graduates for the Fundamentals of Engineering (FE) examination, the Professional Engineering (PE) examination and graduate degrees.

Contact Information:

Engineering, Ira A. Fulton Schools of
Civil, Environmental and Sustainable Eng Program
<http://engineering.asu.edu/sebe>
ECG 251
sebe.advising@asu.edu
480-965-0595

Civil Engineering (Sustainable Engineering), BSE (ESCEESUBSE)

Campus: TEMPE

Program Description: Civil engineering majors in the Ira A. Fulton Schools of Engineering have three choices within the B.S.E. accredited program:

- Civil engineering.
- Civil engineering with environmental engineering concentration.
- Civil engineering with sustainable engineering concentration.

The first choice allows students to choose among design and technical elective courses in their senior year. The other choices specify design and technical courses to students with minimal choices. Regardless of choice, the B.S.E. in civil engineering is accredited by the Engineering Accreditation Commission of ABET, 111 Market Place, Suite 1050, Baltimore, MD 21202-4012, telephone: 410-347-7700.

The faculty in the Ira A. Fulton Schools of Engineering offer a B.S.E. in civil engineering, with a concentration in sustainable engineering. With limited world resources, especially in urban areas, there is large demand for new sustainable engineering approaches and technologies in order to maintain and improve the quality of life for future generations. Sustainable engineering incorporates systems modeling and life cycle approaches to assessing the resiliency and material selection across all areas of urban infrastructure, or built environment, currently addressed within the civil engineering degree. The program is designed to provide students with exposure to material from several disciplines that comply with the principles of economic, social and ecological sustainability and apply them to traditional civil engineering areas of environmental engineering, hydrosystems engineering, structures, geotechnical engineering and transportation.

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 265 - Calculus for Engineers I

Admission Requirements: The admission standards for majors in the Ira A. Fulton Schools of Engineering are higher than minimum university standards. International students may have an additional English-language proficiency criterion. Foreign nationals must meet the same admission requirements shown below with the possible additional requirement of a minimum TOEFL score. If the university requires a TOEFL score from the applicant, (see <http://global.asu.edu/future/undergrad>) then admission to engineering requires a minimum TOEFL score of 550 (paper-based), 213 (computer-based), 79 on iBT (Internet-based) or a minimum IELTS score of 6.5.

Freshman Admission:

- Minimum 1140 SAT combined math and verbal or minimum 24 ACT combined score; or 3.00 minimum ABOR GPA; or class ranking in top 25 percent of high school class, and
- No high school math or science competency deficiencies.

Transfer students with fewer than 24 transferable college credit hours:

- Minimum transfer GPA of 3.00 for less than 24 transfer hours, and
- No high school math or science competency deficiencies, and
- Minimum 1140 SAT combined math and verbal or minimum 24 ACT combined score, or 3.00 minimum ABOR GPA, or class ranking in top 25 percent of high school class.

Transfer student with 24 or more transferable college credit hours must meet EITHER the primary OR secondary criteria (not both):

Primary Criteria

- Minimum transfer GPA of 3.00 for 24 or more transfer hours, and
- No high school math or science competency deficiencies (if Undergraduate Admissions requires submission of a high school transcript).

Secondary Criteria

- Minimum transfer GPA of 2.75 for 24 or more transfer hours, and
- Minimum GPA of 2.75 in all critical courses for Terms 1 and 2 (see major map for critical courses), and
- No high school math or science competency deficiencies (if Undergraduate Admissions requires submission of a high school transcript).

Career Opportunities: Many jobs are currently available that are applicable to the civil engineers with sustainable engineering concentration in different types of companies, from large corporations to small, private consulting firms, or governmental agencies. Civil engineering is one of the best engineering professions from the viewpoint of international travel opportunities or for eventually establishing one's own consulting business. The B.S.E. in civil engineering prepares graduates for the Fundamentals of Engineering (FE) examination, the Principles and Practice of Engineering (PE) examination and graduate degrees.

Contact Information:

Engineering, Ira A. Fulton Schools of
Civil, Environmental and Sustainable Eng Program
<http://engineering.asu.edu/sebe>
ECG 251
sebe.advising@asu.edu
480-965-0595

Computer Science, BS (ESCSEBS)

Campus: TEMPE

Program Description: Computer science professionals design, analyze and improve the quality of computer software and systems for a variety of applications, including:

- Artificial intelligence.
- Computer vision.
- Graphics.
- Information management.
- Multimedia.
- Networking.
- Security.

Examples of projects a computer scientist might work on include:

- Computer networking.
- Database and information systems.
- Distribution processing systems.
- Gaming systems.
- Next-generation computing systems.
- Search engines.
- Software engineering.
- Web services.

The program focuses on the design of computers, computational processes for problem solving, and information transfer and transformation with an emphasis in improving software and system quality, security, performance and usability. The program supports the evolution of the computing and informatics disciplines, and the integration of computer and information sciences with engineering, science and other disciplines.

Accredited by the Computing Accreditation Commission of ABET, 111 Market Place, Suite 1050, Baltimore, MD 21202-4012, telephone: 410-347-

7700.

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 265 - Calculus for Engineers I

Admission Requirements: The admission standards for majors in the Ira A. Fulton Schools of Engineering are higher than minimum university standards. International students may have an additional English-language proficiency criterion. Foreign nationals must meet the same admission requirements shown below with the possible additional requirement of a minimum TOEFL score. If the university requires a TOEFL score from the applicant, (see <http://global.asu.edu/future/undergrad> (<http://global.asu.edu/future/undergrad>)) then admission to engineering requires a minimum TOEFL score of 550 (paper-based), 213 (computer-based), 79 on iBT (Internet-based) or a minimum IELTS score of 6.5.

Freshman Admission:

- Minimum 1140 SAT combined math and verbal or minimum 24 ACT combined score; or 3.00 minimum ABOR GPA; or class ranking in top 25 percent of high school class, and
- No high school math or science competency deficiencies.

Transfer students with fewer than 24 transferable college credit hours:

- Minimum transfer GPA of 3.00 for less than 24 transfer hours, and
- No high school math or science competency deficiencies, and
- Minimum 1140 SAT combined math and verbal or minimum 24 ACT combined score, or 3.00 minimum ABOR GPA, or class ranking in top 25 percent of high school class.

Transfer student with 24 or more transferable college credit hours must meet EITHER the primary OR secondary criteria (not both):

Primary Criteria

- Minimum transfer GPA of 3.00 for 24 or more transfer hours, and
- No high school math or science competency deficiencies (if Undergraduate Admissions requires submission of a high school transcript).

Secondary Criteria

- Minimum transfer GPA of 2.75 for 24 or more transfer hours, and
- Minimum GPA of 2.75 in all critical courses for Terms 1 and 2 (see major map for critical courses), and
- No high school math or science competency deficiencies (if Undergraduate Admissions requires submission of a high school transcript).

Transfer Agreements: ASU has partnered with the following institutions to enable you to do a seamless transfer:

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities: Graduates with a degree in computer science find employment working in a variety of capacities ranging from computer and software design to development of information technologies. Their jobs are often distinguished by the high level of theoretical expertise they apply to solving complex problems and the creation and application of new technologies. Some computer science-related jobs may include:

- Creating computer games and graphics systems.
- Designing artificial intelligence systems.
- Developing network security applications.
- Inventing and implementing more efficient systems for managing data management, including information retrieval and search on the Internet.

With the theoretical foundation built in the program, computer science graduates can excel in system and software development, as well as in designing effective computing solutions for emerging and challenging problems in modern society. Skills in system development and research can lead to entrepreneurial activity that produces innovative computing products and services.

Three to five years after graduation, the alumni of the B.S. degree in computer science will:

- Be engaged in lifelong learning to maintain currency in an ever-changing field, to innovate, and to attain professional advancement.
- Communicate effectively to all constituencies and uphold a commitment to professional and ethical conduct.
- Have demonstrated the ability of analyzing and solving complex technical problems from a "system" perspective of computer science, including business, societal, and regulatory issues.
- Have demonstrated the ability to tackle challenging computing problems using a comprehensive knowledge of computer science, while reflecting a commitment to quality, innovation, critical thinking, and continuous improvement.
- Have functioned as both a leader and collaborative team member within diverse environments.

Contact Information:

Engineering, Ira A. Fulton Schools of
Computer Science and Engineering Program
<http://engineering.asu.edu/cidse>
BYENG 208
cidse.advising@asu.edu
480-965-3199

Computer Science (Information Assurance), BS (ESCSEIBS)

Campus: TEMPE

Program Description: The B.S. in computer science with a concentration in information assurance provides students with the knowledge, skills and advanced development capability for building dependable and secure information systems and networks, ensuring the integrity and quality of the information being stored, processed and transmitted by information systems and networks. The curriculum of the concentration spans broad areas of information assurance, including:

- Computer and network forensics.
- Computer network security.
- Computer systems security.
- Data and information security.
- Information assurance.

ASU has been certified as a National Center of Academic Excellence in Information Assurance Education and a National Center of Academic Excellence in Information Assurance - Research by the National Security Agency and the Department of Homeland Security. IA courseware at ASU has been certified by the Information Assurance Courseware Evaluation Program to satisfy the standards for 1) Information Systems Security Professionals (NSTISSI 4011), and 2) Senior Systems Managers (CNSSI 4012). For more information on IA courseware at ASU, see <http://ia.asu.edu/education.php> (<http://ia.asu.edu/education.php>).

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 265 - Calculus for Engineers I

Admission Requirements: The admission standards for majors in the Ira A. Fulton Schools of Engineering are higher than minimum university standards. International students may have an additional English-language proficiency criterion. Foreign nationals must meet the same admission requirements shown below with the possible additional requirement of a minimum TOEFL score. If the university requires a TOEFL score from the applicant, (see <http://global.asu.edu/future/undergrad> (<http://global.asu.edu/future/undergrad>)) then admission to engineering requires a minimum TOEFL score of 550 (paper-based), 213 (computer-based), 79 on iBT (Internet-based) or a minimum IELTS score of 6.5.

Freshman Admission:

- Minimum 1140 SAT combined math and verbal or minimum 24 ACT combined score; or 3.00 minimum ABOR GPA; or class ranking in top 25 percent of high school class, and
- No high school math or science competency deficiencies.

Transfer students with fewer than 24 transferable college credit hours:

- Minimum transfer GPA of 3.00 for less than 24 transfer hours, and
- No high school math or science competency deficiencies, and
- Minimum 1140 SAT combined math and verbal or minimum 24 ACT combined score, or 3.00 minimum ABOR GPA, or class ranking in top 25 percent of high school class.

Transfer student with 24 or more transferable college credit hours must meet EITHER the primary OR secondary criteria (not both):

Primary Criteria

- Minimum transfer GPA of 3.00 for 24 or more transfer hours, and
- No high school math or science competency deficiencies (if Undergraduate Admissions requires submission of a high school transcript).

Secondary Criteria

- Minimum transfer GPA of 2.75 for 24 or more transfer hours, and
- Minimum GPA of 2.75 in all critical courses for Terms 1 and 2 (see major map for critical courses), and
- No high school math or science competency deficiencies (if Undergraduate Admissions requires submission of a high school transcript).

Career Opportunities: Students enrolled in the information assurance concentration are eligible for federal fellowships, such as the Department of Defense Information Assurance Scholarship Program and the Federal Cyber Service Scholarship for Service Program. For more information on the

scholarship programs, see <http://ia.asu.edu/scholarship.php> (<http://ia.asu.edu/scholarship.php>).

Graduates with a degree in computer science with an information assurance concentration find employment in a variety of capacities ranging from computer system and software development to research on information assurance technologies. Some related jobs may include:

- Analyzing computer forensic data.
- Designing secure information systems and databases.
- Developing secure software.
- Information security consulting.
- Secure computer and network applications.

Contact Information:

Engineering, Ira A. Fulton Schools of
Computer Science and Engineering Program

<http://engineering.asu.edu/cidse>

BYENG 208

cidse.advising@asu.edu

480-965-3199

Computer Science (Software Engineering), BS (ESCSESBS)

Campus: TEMPE

Program Description: The software engineering concentration is appropriate for computer science students seeking careers as software engineers. Software engineering concentration students will learn advanced processes, methodologies and tools for developing and testing large and small software applications in emerging areas such as:

- Enterprise systems.
- Service-orientated computing.
- Systems of systems.

They will also learn information assurance concepts and techniques or principles of human computer interaction and methods for developing these applications. The curriculum prepares students to assume leadership roles in software development organizations, and to practice professional standards and emerging software technology to the software engineering life-cycle activities.

Accredited by the Computing Accreditation Commission of ABET, 111 Market Place, Suite 1050, Baltimore, MD 21202-4012, telephone: 410-347-7700.

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 265 - Calculus for Engineers I

Admission Requirements: The admission standards for majors in the Ira A. Fulton Schools of Engineering are higher than minimum university standards. International students may have an additional English-language proficiency criterion. Foreign nationals must meet the same admission requirements shown below with the possible additional requirement of a minimum TOEFL score. If the university requires a TOEFL score from the applicant, (see <http://global.asu.edu/future/undergrad> (<http://global.asu.edu/future/undergrad>)) then admission to engineering requires a minimum TOEFL score of 550 (paper-based), 213 (computer-based), 79 on iBT (Internet-based) or a minimum IELTS score of 6.5.

Freshman Admission:

- Minimum 1140 SAT combined math and verbal or minimum 24 ACT combined score; or 3.00 minimum ABOR GPA; or class ranking in top 25 percent of high school class, and
- No high school math or science competency deficiencies.

Transfer students with fewer than 24 transferable college credit hours:

- Minimum transfer GPA of 3.00 for less than 24 transfer hours, and
- No high school math or science competency deficiencies, and
- Minimum 1140 SAT combined math and verbal or minimum 24 ACT combined score, or 3.00 minimum ABOR GPA, or class ranking in top 25 percent of high school class.

Transfer student with 24 or more transferable college credit hours must meet EITHER the primary OR secondary criteria (not both):

Primary Criteria

- Minimum transfer GPA of 3.00 for 24 or more transfer hours, and
- No high school math or science competency deficiencies (if Undergraduate Admissions requires submission of a high school transcript).

Secondary Criteria

- Minimum transfer GPA of 2.75 for 24 or more transfer hours, and
- Minimum GPA of 2.75 in all critical courses for Terms 1 and 2 (see major map for critical courses),and
- No high school math or science competency deficiencies (if Undergraduate Admissions requires submission of a high school transcript).

Career Opportunities: Career opportunities are strong and numerous for software engineering concentration graduates. Graduates possess the knowledge and skills to work across the spectrum of software development process activities including:

- Architecture.
- Coding.
- Project management.
- Quality assurance.
- Requirements engineering.
- Testing.

Career paths include:

- Software analyst.
- Software architect.
- Software engineer.
- Software task leader.
- Software tester.

Software engineering concentration graduates find employment in large and small organizations that develop, employ and manage software systems. They work on all types of projects, from large, complex engineering systems, distributed banking, financial and government software to gaming.

Contact Information:

Engineering, Ira A. Fulton Schools of
Computer Science and Engineering Program
<http://engineering.asu.edu/cidse>
BYENG 208
cidse.advising@asu.edu
480-965-3199

Computer Systems Engineering, BSE (ESCSEBSE)

Campus: TEMPE

Program Description: The computer systems engineering program focuses on the analysis, design, testing, integration and evaluation of hardware and software systems. The curriculum is grounded in an array of engineering disciplines, including the applications of science and technology to the design of:

- Computer architecture.
- Computer security.
- Digital circuits.
- Distributed and embedded systems.
- Networking.
- Operating systems.

Students engage in the design of integrated hardware and software solutions for computing, communication and control applications. They practice many aspects of engineering activities, such as the development of:

- Computer networks.
- Embedded and ubiquitous systems.
- High performance computer systems.
- Individual digital components.

Students become skilled at interfacing different pieces of hardware and software components, and integrating systems and products with new capabilities and improved quality and performance.

Accredited by the Engineering Accreditation Commission of ABET, 111 Market Place, Suite 1050, Baltimore, MD 21202-4012, telephone: 410-347-7700.

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 265 - Calculus for Engineers I

Admission Requirements: The admission standards for majors in the Ira A. Fulton Schools of Engineering are higher than minimum university standards. International students may have an additional English-language proficiency criterion. Foreign nationals must meet the same admission requirements shown below with the possible additional requirement of a minimum TOEFL score. If the university requires a TOEFL score from the applicant, (see <http://global.asu.edu/future/undergrad> (<http://global.asu.edu/future/undergrad>)) then admission to engineering requires a minimum TOEFL score of 550 (paper-based), 213 (computer-based), 79 on iBT (Internet-based) or a minimum IELTS score of 6.5.

Freshman Admission:

- Minimum 1140 SAT combined math and verbal or minimum 24 ACT combined score; or 3.00 minimum ABOR GPA; or class ranking in top 25 percent of high school class, and
- No high school math or science competency deficiencies.

Transfer students with fewer than 24 transferable college credit hours:

- Minimum transfer GPA of 3.00 for less than 24 transfer hours, and
- No high school math or science competency deficiencies, and
- Minimum 1140 SAT combined math and verbal or minimum 24 ACT combined score, or 3.00 minimum ABOR GPA, or class ranking in top 25 percent of high school class.

Transfer student with 24 or more transferable college credit hours must meet EITHER the primary OR secondary criteria (not both):

Primary Criteria

- Minimum transfer GPA of 3.00 for 24 or more transfer hours, and
- No high school math or science competency deficiencies (if Undergraduate Admissions requires submission of a high school transcript).

Secondary Criteria

- Minimum transfer GPA of 2.75 for 24 or more transfer hours, and
- Minimum GPA of 2.75 in all critical courses for Terms 1 and 2 (see major map for critical courses), and
- No high school math or science competency deficiencies (if Undergraduate Admissions requires submission of a high school transcript).

Career Opportunities: Computer systems engineers are employed in industry, government, education and consulting and are concerned with the design, development and operation of hardware and software components of various computer systems.

Computer systems engineers often find themselves focusing on engineering problems or challenges that result in new state-of-the-art products that integrate computing and communication capabilities. They work on the development verification and testing of computer hardware and software, from chips to device controllers and embedded systems. Computer systems engineers frequently find jobs that involve designing new applications of computers and other devices, such as those used in:

- Airplanes.
- Digital television and photography.
- Intelligent highways and control systems for cars.
- Mobile devices and smart applications.
- New apparatuses for the sight-impaired or others with physical disabilities.
- Security and defense systems.
- Space vehicles.

Three to five years after graduation, we expect the alumni of the B.S.E. degree in computer systems engineering to exhibit one or more of the following:

- Success in a chosen field as evidencing, for example, continued employment, entrepreneurship, or other accomplishments.
- Advancement as shown by promotion to a position of increased technical, supervisory or management responsibility.
- Engagement in lifelong learning to maintain currency in an ever-changing field.
- Success in a graduate or professional school degree program.

In addition, we expect our alumni to demonstrate professional and ethical conduct in their professional actions.

Contact Information:

Engineering, Ira A. Fulton Schools of
Computer Science and Engineering Program
<http://engineering.asu.edu/cidse>

Computer Systems Engineering (Information Assurance), BSE (ESCSEIBSE)

Campus: TEMPE

Program Description: The Information Assurance (IA) concentration in the computer systems engineering B.S.E. degree program provides students with the knowledge, skills and the advanced development capability in engineering, for building dependable and secure information systems and networks and ensuring the integrity and quality of the information being stored, processed and transmitted by information systems and networks. The curriculum of the concentration spans broad areas of IA including:

- Computer and network forensics.
- Computer network security.
- Computer systems security.
- Data and information security.
- Information assurance.

ASU has been certified as a National Center of Academic Excellence in Information Assurance Education (CAEIAE) and a National Center of Academic Excellence in Information Assurance - Research (CAE-R) by the National Security Agency and the Department of Homeland Security. IA courseware at ASU has been certified by the Information Assurance Courseware Evaluation (IACE) Program to satisfy the standards for 1) Information Systems Security (INFOSEC) Professionals (NSTISSI 4011), and 2) Senior Systems Managers (CNSSI 4012). For more information in IA courseware at ASU, see <http://ia.asu.edu/education.php> (<http://ia.asu.edu/education.php>).

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 265 - Calculus for Engineers I

Admission Requirements: The admission standards for majors in the Ira A. Fulton Schools of Engineering are higher than minimum university standards. International students may have an additional English-language proficiency criterion. Foreign nationals must meet the same admission requirements shown below with the possible additional requirement of a minimum TOEFL score. If the university requires a TOEFL score from the applicant, (see <http://global.asu.edu/future/undergrad> (<http://global.asu.edu/future/undergrad>)) then admission to engineering requires a minimum TOEFL score of 550 (paper-based), 213 (computer-based), 79 on iBT (Internet-based) or a minimum IELTS score of 6.5.

Freshman Admission:

- Minimum 1140 SAT combined math and verbal or minimum 24 ACT combined score; or 3.00 minimum ABOR GPA; or class ranking in top 25 percent of high school class, and
- No high school math or science competency deficiencies.

Transfer students with fewer than 24 transferable college credit hours:

- Minimum transfer GPA of 3.00 for less than 24 transfer hours, and
- No high school math or science competency deficiencies, and
- Minimum 1140 SAT combined math and verbal or minimum 24 ACT combined score, or 3.00 minimum ABOR GPA, or class ranking in top 25 percent of high school class.

Transfer student with 24 or more transferable college credit hours must meet EITHER the primary OR secondary criteria (not both):

Primary Criteria

- Minimum transfer GPA of 3.00 for 24 or more transfer hours, and
- No high school math or science competency deficiencies (if Undergraduate Admissions requires submission of a high school transcript).

Secondary Criteria

- Minimum transfer GPA of 2.75 for 24 or more transfer hours, and
- Minimum GPA of 2.75 in all critical courses for Terms 1 and 2 (see major map for critical courses), and
- No high school math or science competency deficiencies (if Undergraduate Admissions requires submission of a high school transcript).

Career Opportunities: Students enrolled in the IA concentration are eligible for federal fellowships such as the Department of Defense Information Assurance Scholarship Program (IASP) and the Federal Cyber Service Scholarship for Service Program (SFS). For more information on the scholarship programs, see <http://ia.asu.edu/scholarship.php> (<http://ia.asu.edu/scholarship.php>).

Graduates with a degree in computer systems engineering with IA concentration find employment in a variety of capacities ranging from computer system and software development to research on information assurance technologies. Some related jobs may include:

- Analyzing computer forensic data.
- Designing secure information systems and networks.
- Information security consulting.
- Information systems security engineering.
- Network security engineering.

Contact Information:

Engineering, Ira A. Fulton Schools of
 Computer Science and Engineering Program
<http://engineering.asu.edu/cidse>
 BYENG 208
cidse.advising@asu.edu
 480-965-3199

Construction Engineering, BSE (ESCONBSE)

Campus: TEMPE

Program Description: The B.S.E. in construction engineering focuses on a combination of design and management topics preparing the student for a career in the engineering and construction industry. The degree prepares students who wish to gain a professional engineering license while working at the interface of design and construction; it is desirable to those students who are interested in a career emphasizing construction of infrastructure. The degree makeup includes engineering design and construction management courses with a focus on sustainability and building information modeling topics. Construction management content includes:

- Contract management.
- Construction methods.
- Cost and schedule control.
- People management.
- Project estimating.

The curriculum's design content includes structures, geotechnical engineering and transportation. Students are further prepared with the computer, management, technical and people skills needed to succeed. This degree is the third in the Southwestern U.S. and one of about 20 worldwide.

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 265 - Calculus for Engineers I

Admission Requirements: The admission standards for majors in the Ira A. Fulton Schools of Engineering are higher than minimum university standards. International students may have an additional English-language proficiency criterion. Foreign nationals must meet the same admission requirements shown below with the possible additional requirement of a minimum TOEFL score. If the university requires a TOEFL score from the applicant, (see <http://global.asu.edu/future/undergrad> (<http://global.asu.edu/future/undergrad>)) then admission to engineering requires a minimum TOEFL score of 550 (paper-based), 213 (computer-based), 79 on iBT (Internet-based) or a minimum IELTS score of 6.5.

Freshman Admission:

- Minimum 1140 SAT combined math and verbal or minimum 24 ACT combined score; or 3.00 minimum ABOR GPA; or class ranking in top 25 percent of high school class, and
- No high school math or science competency deficiencies.

Transfer students with fewer than 24 transferable college credit hours:

- Minimum transfer GPA of 3.00 for less than 24 transfer hours, and
- No high school math or science competency deficiencies, and
- Minimum 1140 SAT combined math and verbal or minimum 24 ACT combined score, or 3.00 minimum ABOR GPA, or class ranking in top 25 percent of high school class.

Transfer student with 24 or more transferable college credit hours must meet EITHER the primary OR secondary criteria (not both):

Primary Criteria

- Minimum transfer GPA of 3.00 for 24 or more transfer hours, and
- No high school math or science competency deficiencies (if Undergraduate Admissions requires submission of a high school transcript).

Secondary Criteria

- Minimum transfer GPA of 2.75 for 24 or more transfer hours, and
- Minimum GPA of 2.75 in all critical courses for Terms 1 and 2 (see major map for critical courses),and
- No high school math or science competency deficiencies (if Undergraduate Admissions requires submission of a high school transcript).

Career Opportunities: The construction engineering graduate will be prepared to begin as a field engineer, project engineer or project designer working for facility owners, design firms, construction companies, specialty subcontractors or material suppliers. The graduate will have unique skills which will allow them to take on the role of integrator in the delivery of design build projects or development activities. As the graduate's career progresses, each should be able to take on leadership roles in the delivery of sustainable facilities in the built environment and then progress through successively higher levels of management responsibility. The graduate should be particularly attuned to design and construction of heavy civil and industrial facilities meeting the infrastructure needs of society.

Contact Information:

Engineering, Ira A. Fulton Schools of
 Del E. Webb Construction
<http://engineering.asu.edu/sebe>
 ECG 251
sebe.advising@asu.edu
 480-965-0595

Construction Management (Concrete Industry Management), BS (ESCONIMBS)

Campus: TEMPE

Program Description: The Del E. Webb School of Construction program offers the B.S. in construction with a concentration in concrete industry management. Concrete industry management graduates are broadly educated, articulate managers grounded in basic construction management, who are knowledgeable about concrete technology and techniques and are able to manage people and systems and to promote products or services in the concrete industry.

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 265 - Calculus for Engineers I

Admission Requirements: The admission standards for majors in the Ira A. Fulton Schools of Engineering are higher than minimum university standards. International students may have an additional English-language proficiency criterion. Foreign nationals must meet the same admission requirements shown below with the possible additional requirement of a minimum TOEFL score. If the university requires a TOEFL score from the applicant, (see <http://global.asu.edu/future/undergrad>) then admission to engineering requires a minimum TOEFL score of 550 (paper-based), 213 (computer-based), 79 on iBT (Internet-based) or a minimum IELTS score of 6.5.

Freshman Admission:

- Minimum 1140 SAT combined math and verbal or minimum 24 ACT combined score; or 3.00 minimum ABOR GPA; or class ranking in top 25 percent of high school class, and
- No high school math or science competency deficiencies.

Transfer students with fewer than 24 transferable college credit hours:

- Minimum transfer GPA of 3.00 for less than 24 transfer hours, and
- No high school math or science competency deficiencies, and
- Minimum 1140 SAT combined math and verbal or minimum 24 ACT combined score, or 3.00 minimum ABOR GPA, or class ranking in top 25 percent of high school class.

Transfer student with 24 or more transferable college credit hours must meet EITHER the primary OR secondary criteria (not both):

Primary Criteria

- Minimum transfer GPA of 3.00 for 24 or more transfer hours, and
- No high school math or science competency deficiencies (if Undergraduate Admissions requires submission of a high school transcript).

Secondary Criteria

- Minimum transfer GPA of 2.75 for 24 or more transfer hours, and
- Minimum GPA of 2.75 in all critical courses for Terms 1 and 2 (see major map for critical courses),and
- No high school math or science competency deficiencies (if Undergraduate Admissions requires submission of a high school transcript).

Career Opportunities: The concrete industry management concentration provides a foundation for students who wish to pursue careers as project managers, estimators, schedulers or a combination of all three at an executive level. Concrete industry management career opportunities include:

- Advanced mixing technology or equipment manufacturing.
- Cement.
- Concrete or general contracting.
- Concrete production.
- Development.
- Field sales.
- Operations.
- Project and production management.
- Technical service.

Contact Information:

Engineering, Ira A. Fulton Schools of
Del E. Webb Construction
<http://engineering.asu.edu/sebe>
ECG 251
sebe.advising@asu.edu
480-965-0595

Construction Management (General Building Construction), BS (ESCONGBS)

Campus: TEMPE

Program Description: Through the B.S. in construction management program, students will be able to specialize in heavy construction, residential, commercial, and specialty construction. Students learn to organize, lead and manage the building business processes related to real estate and infrastructure projects. Construction management is the most vital function on a job site. Construction managers represent the interests of the building owner or the contractor and interact with architects, engineers, and suppliers to ensure the success of construction projects. Students learn:

- The basics of design.
- The construction methods specific to each type of construction (heavy, residential, commercial, specialty).
- How to estimate and control the costs of a project.
- What it takes to manage the people involved and the various types of contracts.

Students are prepared with the computer, management, technical and people skills needed to succeed. This is one of two construction programs in the state of Arizona and one of approximately 60 accredited programs in the nation.

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 265 - Calculus for Engineers I

Admission Requirements: The admission standards for majors in the Ira A. Fulton Schools of Engineering are higher than minimum university standards. International students may have an additional English-language proficiency criterion. Foreign nationals must meet the same admission requirements shown below with the possible additional requirement of a minimum TOEFL score. If the university requires a TOEFL score from the applicant, (see <http://global.asu.edu/future/undergrad>) then admission to engineering requires a minimum TOEFL score of 550 (paper-based), 213 (computer-based), 79 on iBT (Internet-based) or a minimum IELTS score of 6.5.

Freshman Admission:

- Minimum 1140 SAT combined math and verbal or minimum 24 ACT combined score; or 3.00 minimum ABOR GPA; or class ranking in top 25 percent of high school class, and
- No high school math or science competency deficiencies.

Transfer students with fewer than 24 transferable college credit hours:

- Minimum transfer GPA of 3.00 for less than 24 transfer hours, and
- No high school math or science competency deficiencies, and
- Minimum 1140 SAT combined math and verbal or minimum 24 ACT combined score, or 3.00 minimum ABOR GPA, or class ranking in top 25 percent of high school class.

Transfer student with 24 or more transferable college credit hours must meet EITHER the primary OR secondary criteria (not both):

Primary Criteria

- Minimum transfer GPA of 3.00 for 24 or more transfer hours, and
- No high school math or science competency deficiencies (if Undergraduate Admissions requires submission of a high school transcript).

Secondary Criteria

- Minimum transfer GPA of 2.75 for 24 or more transfer hours, and
- Minimum GPA of 2.75 in all critical courses for Terms 1 and 2 (see major map for critical courses), and
- No high school math or science competency deficiencies (if Undergraduate Admissions requires submission of a high school transcript).

Career Opportunities: The construction management program provides a foundation for students who wish to pursue careers as estimators, project managers, project engineers and eventually become principals of firms engaged in the construction of industrial, commercial and institutional structures.

The heavy construction emphasis area prepares students for careers related to the public works such as highways, airports, bridges, or water facilities.

Residential and commercial emphasis areas prepare students for careers in real estate development, home production systems, special commercial and industrial building projects.

Specialty construction prepares students for careers with contractors, working with mechanical, electrical and construction firms. It also prepares the students for careers in management at specialty contracting firms, such as control systems, electrical, heating, ventilation and air conditioning systems for large facilities.

Contact Information:

Engineering, Ira A. Fulton Schools of
 Del E. Webb Construction
<http://engineering.asu.edu/sebe>
 ECG 251
sebe.advising@asu.edu
 480-965-0595

Construction Management (Heavy Construction), BS (ESCONHBS)

Campus: TEMPE

Program Description: Through the B.S. in construction program (with a concentration in heavy construction), students learn to organize, lead and manage the building process. Builders are one of the two most vital people on a job site, equal in status and importance to the engineer. Students learn:

- The basics of design.
- How to estimate and control the costs of a project.
- The many construction and equipment methods used.
- The various types of contracts.
- What it takes to manage the people involved.

Students are prepared with the computer, management, technical and people skills needed to succeed. This is one of two construction programs in the state of Arizona and one of approximately 60 accredited programs in the nation.

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 265 - Calculus for Engineers I

Admission Requirements: The admission standards for majors in the Ira A. Fulton Schools of Engineering are higher than minimum university standards. International students may have an additional English-language proficiency criterion. Foreign nationals must meet the same admission requirements shown below with the possible additional requirement of a minimum TOEFL score. If the university requires a TOEFL score from the applicant, (see <http://global.asu.edu/future/undergrad>) then admission to engineering requires a minimum TOEFL score of 550 (paper-based), 213 (computer-based), 79 on iBT (Internet-based) or a minimum IELTS score of 6.5.

Freshman Admission:

- Minimum 1140 SAT combined math and verbal or minimum 24 ACT combined score; or 3.00 minimum ABOR GPA; or class ranking in top 25 percent of high school class, and
- No high school math or science competency deficiencies.

Transfer students with fewer than 24 transferable college credit hours:

- Minimum transfer GPA of 3.00 for less than 24 transfer hours, and
- No high school math or science competency deficiencies, and

- Minimum 1140 SAT combined math and verbal or minimum 24 ACT combined score, or 3.00 minimum ABOR GPA, or class ranking in top 25 percent of high school class.

Transfer student with 24 or more transferable college credit hours must meet EITHER the primary OR secondary criteria (not both):

Primary Criteria

- Minimum transfer GPA of 3.00 for 24 or more transfer hours, and
- No high school math or science competency deficiencies (if Undergraduate Admissions requires submission of a high school transcript).

Secondary Criteria

- Minimum transfer GPA of 2.75 for 24 or more transfer hours, and
- Minimum GPA of 2.75 in all critical courses for Terms 1 and 2 (see major map for critical courses), and
- No high school math or science competency deficiencies (if Undergraduate Admissions requires submission of a high school transcript).

Career Opportunities: The heavy construction concentration prepares students for careers related to the public works discipline. Graduates become project managers, estimators, schedulers or a combination of all three at an executive level. Typical heavy construction-oriented projects include:

- Airports.
- Bridges.
- Canals.
- Dams.
- Harbor and water facilities.
- Highways.
- Pipelines.
- Power plants.
- Rapid transit systems.
- Sewerage systems.
- Tunnels.
- Water works.

Heavy construction managers, through education and experience, are capable of implementing significant facets of construction on a timely and economical basis with proficiency and integrity.

Contact Information:

Engineering, Ira A. Fulton Schools of
Del E. Webb Construction
<http://engineering.asu.edu/sebe>
ECG 251
sebe.advising@asu.edu
480-965-0595

Construction Management (Residential Construction), BS (ESCONRBS)

Campus: TEMPE

Program Description: Through the B.S. in construction program (with a concentration in residential construction), students learn to organize, lead and manage the building process. Builders are one of the three most vital people on a job site, equal in status and importance to both the architect and engineer. This program teaches:

- The basics of design.
- How to estimate and control the costs on a project.
- The many construction methods used.
- What it takes to manage the people involved and the various types of contracts.

Students are prepared with the computer, management, technical and people skills needed to succeed. This is one of two construction programs in the state of Arizona and one of approximately 60 accredited programs in the nation.

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 265 - Calculus for Engineers I

Admission Requirements: The admission standards for majors in the Ira A. Fulton Schools of Engineering are higher than minimum university

standards. International students may have an additional English-language proficiency criterion. Foreign nationals must meet the same admission requirements shown below with the possible additional requirement of a minimum TOEFL score. If the university requires a TOEFL score from the applicant, (see <http://global.asu.edu/future/undergrad> (<http://global.asu.edu/future/undergrad>)) then admission to engineering requires a minimum TOEFL score of 550 (paper-based), 213 (computer-based), 79 on iBT (Internet-based) or a minimum IELTS score of 6.5.

Freshman Admission:

- Minimum 1140 SAT combined math and verbal or minimum 24 ACT combined score; or 3.00 minimum ABOR GPA; or class ranking in top 25 percent of high school class, and
- No high school math or science competency deficiencies.

Transfer students with fewer than 24 transferable college credit hours:

- Minimum transfer GPA of 3.00 for less than 24 transfer hours, and
- No high school math or science competency deficiencies, and
- Minimum 1140 SAT combined math and verbal or minimum 24 ACT combined score, or 3.00 minimum ABOR GPA, or class ranking in top 25 percent of high school class.

Transfer student with 24 or more transferable college credit hours must meet EITHER the primary OR secondary criteria (not both):

Primary Criteria

- Minimum transfer GPA of 3.00 for 24 or more transfer hours, and
- No high school math or science competency deficiencies (if Undergraduate Admissions requires submission of a high school transcript).

Secondary Criteria

- Minimum transfer GPA of 2.75 for 24 or more transfer hours, and
- Minimum GPA of 2.75 in all critical courses for Terms 1 and 2 (see major map for critical courses), and
- No high school math or science competency deficiencies (if Undergraduate Admissions requires submission of a high school transcript).

Career Opportunities: The residential construction concentration prepares students for careers in the housing sector of the industry. Graduates become project managers, estimators, schedulers or a combination of all three at the executive level.

Contact Information:

Engineering, Ira A. Fulton Schools of
Del E. Webb Construction
<http://engineering.asu.edu/sebe>
ECG 251
sebe.advising@asu.edu
480-965-0595

Construction Management (Specialty Construction), BS (ESCONSBS)

Campus: TEMPE

Program Description: Through the B.S. in construction program (with a concentration in specialty construction), students learn to organize, lead and manage the building process with an emphasis on construction at the subcontractor level. This concentration emphasizes the construction process from a subcontractor's perspective including mechanical, electrical and other speciality contractor management and methods. Students learn:

- The basics of design.
- How to estimate and control the costs of a project.
- The many construction methods used.
- What it takes to manage the people involved and the various types of contracts.

Students are prepared with the computer, management, technical and people skills needed to succeed. This is one of two construction programs in the state of Arizona and one of approximately 60 accredited programs in the nation.

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 265 - Calculus for Engineers I

Admission Requirements: The admission standards for majors in the Ira A. Fulton Schools of Engineering are higher than minimum university standards. International students may have an additional English-language proficiency criterion. Foreign nationals must meet the same admission requirements shown below with the possible additional requirement of a minimum TOEFL score. If the university requires a TOEFL score from the

applicant, (see <http://global.asu.edu/future/undergrad> (<http://global.asu.edu/future/undergrad>)) then admission to engineering requires a minimum TOEFL score of 550 (paper-based), 213 (computer-based), 79 on iBT (Internet-based) or a minimum IELTS score of 6.5.

Freshman Admission:

- Minimum 1140 SAT combined math and verbal or minimum 24 ACT combined score; or 3.00 minimum ABOR GPA; or class ranking in top 25 percent of high school class, and
- No high school math or science competency deficiencies.

Transfer students with fewer than 24 transferable college credit hours:

- Minimum transfer GPA of 3.00 for less than 24 transfer hours, and
- No high school math or science competency deficiencies, and
- Minimum 1140 SAT combined math and verbal or minimum 24 ACT combined score, or 3.00 minimum ABOR GPA, or class ranking in top 25 percent of high school class.

Transfer student with 24 or more transferable college credit hours must meet EITHER the primary OR secondary criteria (not both):

Primary Criteria

- Minimum transfer GPA of 3.00 for 24 or more transfer hours, and
- No high school math or science competency deficiencies (if Undergraduate Admissions requires submission of a high school transcript).

Secondary Criteria

- Minimum transfer GPA of 2.75 for 24 or more transfer hours, and
- Minimum GPA of 2.75 in all critical courses for Terms 1 and 2 (see major map for critical courses), and
- No high school math or science competency deficiencies (if Undergraduate Admissions requires submission of a high school transcript).

Career Opportunities: The specialty construction concentration prepares students for careers with contractors, working with mechanical, electrical and construction firms. It also prepares the student for careers in management at specialty contracting firms, such as:

- Control systems.
- Electrical.
- Mechanical.
- Steel erection and others.

Contact Information:

Engineering, Ira A. Fulton Schools of
Del E. Webb Construction
<http://engineering.asu.edu/sebe>
ECG 251
sebe.advising@asu.edu
480-965-0595

Electrical Engineering, BSE (ESEEEBSE)

Campus: TEMPE

Program Description: The goal of the electrical engineering undergraduate program is to prepare graduates for positions as electrical engineers. Faculty in the Ira A. Fulton Schools of Engineering offer a B.S.E. in electrical engineering. Following initial course work in mathematics and sciences, the foundation classes build a solid base of engineering knowledge. The electrical engineering curriculum includes a number of required upper division electrical engineering and technical elective courses; areas include:

- Circuits.
- Communication, signal processing and control systems.
- Computer engineering.
- Electromagnetics.
- Power.
- Solid-state devices.

Approved technical elective courses provide students with an opportunity either to broaden their background in electrical engineering or to study, in greater depth, technical subjects in which they have special interest.

Accredited by the Engineering Accreditation Commission of ABET, 111 Market Place, Suite 1050, Baltimore, MD 21202-4012, telephone: 410/347-7700.

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 265 - Calculus for Engineers I

Admission Requirements: The admission standards for majors in the Ira A. Fulton Schools of Engineering are higher than minimum university standards. International students may have an additional English-language proficiency criterion. Foreign nationals must meet the same admission requirements shown below with the possible additional requirement of a minimum TOEFL score. If the university requires a TOEFL score from the applicant, (see <http://global.asu.edu/future/undergrad> (<http://global.asu.edu/future/undergrad>)) then admission to engineering requires a minimum TOEFL score of 550 (paper-based), 213 (computer-based), 79 on iBT (Internet-based) or a minimum IELTS score of 6.5.

Freshman Admission:

- Minimum 1140 SAT combined math and verbal or minimum 24 ACT combined score; or 3.00 minimum ABOR GPA; or class ranking in top 25 percent of high school class, and
- No high school math or science competency deficiencies.

Transfer students with fewer than 24 transferable college credit hours:

- Minimum transfer GPA of 3.00 for less than 24 transfer hours, and
- No high school math or science competency deficiencies, and
- Minimum 1140 SAT combined math and verbal or minimum 24 ACT combined score, or 3.00 minimum ABOR GPA, or class ranking in top 25 percent of high school class.

Transfer student with 24 or more transferable college credit hours must meet EITHER the primary OR secondary criteria (not both):

Primary Criteria

- Minimum transfer GPA of 3.00 for 24 or more transfer hours, and
- No high school math or science competency deficiencies (if Undergraduate Admissions requires submission of a high school transcript).

Secondary Criteria

- Minimum transfer GPA of 2.75 for 24 or more transfer hours, and
- Minimum GPA of 2.75 in all critical courses for Terms 1 and 2 (see major map for critical courses), and
- No high school math or science competency deficiencies (if Undergraduate Admissions requires submission of a high school transcript).

Career Opportunities: Graduates with the B.S.E. in electrical engineering find many exciting opportunities in industry. These include:

- Communication equipment and network providers.
- Computers and peripheral devices manufacturers and defense organizations.
- Consulting companies.
- Electric power utilities.
- Semiconductor chip designers and manufacturers.

The degree also prepares graduates for continued learning experiences, either in a formal graduate program or in continuing education applications.

Contact Information:

Engineering, Ira A. Fulton Schools of

Electrical Engineering Program

<http://engineering.asu.edu/ecee>

GWC 209

askee@asu.edu

480-965-3424

Electrical Engineering (Electric Power and Energy Systems), BSE (ESEEEPBSE)

Campus: TEMPE

Program Description: The goal of the electric power and energy systems concentration is to prepare graduates for positions in industries dealing with generation, transmission and utilization of electric power. Generation includes conventional power generation (fossil fuel and nuclear) and alternative energy systems, including solar, wind and fuel cells.

Students in this concentration will complete the foundation courses in math, science and engineering. They are then required to take the pathway course in electric power and complete nine of the 15 technical elective credit hours with power classes. In addition, the senior design capstone project should be in the area of electric power and energy systems.

Accredited by the Engineering Accreditation Commission of ABET, 111 Market Place, Suite 1050, Baltimore, MD 21202-4012, telephone: 410-347-7700.

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 265 - Calculus for Engineers I

Admission Requirements: The admission standards for majors in the Ira A. Fulton Schools of Engineering are higher than minimum university standards. International students may have an additional English-language proficiency criterion. Foreign nationals must meet the same admission requirements shown below with the possible additional requirement of a minimum TOEFL score. If the university requires a TOEFL score from the applicant, (see <http://global.asu.edu/future/undergrad> (<http://global.asu.edu/future/undergrad>)) then admission to engineering requires a minimum TOEFL score of 550 (paper-based), 213 (computer-based), 79 on iBT (Internet-based) or a minimum IELTS score of 6.5.

Freshman Admission:

- Minimum 1140 SAT combined math and verbal or minimum 24 ACT combined score; or 3.00 minimum ABOR GPA; or class ranking in top 25 percent of high school class, and
- No high school math or science competency deficiencies.

Transfer students with fewer than 24 transferable college credit hours:

- Minimum transfer GPA of 3.00 for less than 24 transfer hours, and
- No high school math or science competency deficiencies, and
- Minimum 1140 SAT combined math and verbal or minimum 24 ACT combined score, or 3.00 minimum ABOR GPA, or class ranking in top 25 percent of high school class.

Transfer student with 24 or more transferable college credit hours must meet EITHER the primary OR secondary criteria (not both):

Primary Criteria

- Minimum transfer GPA of 3.00 for 24 or more transfer hours, and
- No high school math or science competency deficiencies (if Undergraduate Admissions requires submission of a high school transcript).

Secondary Criteria

- Minimum transfer GPA of 2.75 for 24 or more transfer hours, and
- Minimum GPA of 2.75 in all critical courses for Terms 1 and 2 (see major map for critical courses), and
- No high school math or science competency deficiencies (if Undergraduate Admissions requires submission of a high school transcript).

Career Opportunities: Career opportunities for graduates with a concentration in electric power and energy systems include:

- Consulting engineer firms.
- Employment in utility companies.
- Entrepreneurial opportunities.
- Power equipment manufacturers.
- Research and design organizations.
- State, federal, and municipal agencies.

This concentration will also prepare students to pursue graduate degrees in the areas of:

- Power generation.
- Power systems.
- Power transmission and distribution.
- Renewable and sustainable energy sources.

The degree also prepares graduates for continued learning experiences, either in a formal graduate program or in continuing education applications.

Contact Information:

Engineering, Ira A. Fulton Schools of

Electrical Engineering Program

<http://engineering.asu.edu/ecee>

GWC 209

askee@asu.edu

480-965-3424

Engineering Management, BSE (ESEMGBSE)

Campus: ONLINE, TEMPE

Program Description: The program in engineering management is designed to provide the graduate with skills for effective management and leadership of engineering-driven enterprises. The curriculum provides a breadth of engineering science and design with depth in one specific area suitable for practice. This knowledge is augmented with an understanding of business practices, organizational behavior and management skills to enable the graduate to succeed in the management of a scientific or engineering enterprise. Topics such as project and resource management, financial engineering, risk management, configuration management, service plans, product liability, entrepreneurship and operations management are covered, in addition to product design and process development.

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 265 - Calculus for Engineers I

Admission Requirements: The admission requirements for majors in the Ira A. Fulton Schools of Engineering are higher than minimum university admission requirements. Students should select a second major choice when applying for admission to a degree program in the Ira A. Fulton Schools of Engineering.

International students may have an additional English-language proficiency criterion. Foreign nationals must meet the same admission requirements shown below with the possible additional requirement of a minimum TOEFL score. If the university requires a TOEFL score from the applicant, (see <http://students.asu.edu/international-admission> (<http://students.asu.edu/international-admission>)) then admission to engineering requires a minimum TOEFL score of 550 (paper-based), 79 on iBT (Internet-based) or a minimum IELTS score of 6.5.

Freshman Admission:

- Minimum 1100 SAT combined math and verbal or minimum 23 ACT combined score; or 3.00 minimum ABOR GPA; or class ranking in top 25 percent of high school class, and
- Admission may be granted with one deficiency in no more than two competency (<http://students.asu.edu/admission/competencies>) areas. Deficiencies in both math and laboratory science are not acceptable.

Transfer students with fewer than 24 transferable college credit hours:

- Minimum transfer GPA of 2.75 for less than 24 transfer hours, and
- Satisfy the freshmen admission requirements.

Transfer students with more than 24 transferable college credit hours:

- Minimum transfer GPA of 2.75 for 24 or more transfer hours, and
- If Undergraduate Admissions requires submission of a high school transcript, admission may be granted with one deficiency in no more than two competency (<http://students.asu.edu/admission/competencies>) areas. Deficiencies in both math and laboratory science are not acceptable.

Attend Online: ASU offers this program in a fully online format-no face-to-face sessions required. We offer six enrollment sessions throughout the year, and you learn in accelerated, 7.5-week classes.

Career Opportunities: The engineering management graduate will be prepared to begin as a project management team member or lead, system specification and customer relationship management specialist, production supervisor, supply logistics engineer or similar role, and then progress through successively higher levels of management responsibility.

The graduate will leave with a deep understanding of at least one industry sector based upon the focus area selected.

Contact Information:

Engineering, Ira A. Fulton Schools of
Industrial, Systems & Operations Engineering Prgm
<http://engineering.asu.edu/cidse>
BYENG 208
cidse.advising@asu.edu
480-965-3199

Industrial Engineering, BSE (ESIEEBSE)

Campus: TEMPE

Program Description: Industrial Engineering (IE) is concerned with the design, improvement, installation and operation of integrated systems of people, materials, information, equipment and energy. Industrial engineers determine the most effective ways to use the basic factors of production-people, machines, materials, information, and energy-to make a product or provide a service. IE draws upon specialized knowledge and skill in the

mathematical, physical and social sciences together with the principles and methods of engineering analysis and design, to specify, predict and evaluate the results to be obtained from such systems.

The underlying concepts of IE include certain business principles, but IE emphasizes the use of mathematics and information technology to build models to describe, understand and optimize system performance. Depending on the sub-specialties involved and intended application, industrial engineering may also be known as operations management, management science, operations research, systems engineering or manufacturing engineering. For example, in health care industrial engineers are more commonly known as health management engineers or health systems engineers.

Accredited by the Engineering Accreditation Commission of ABET, 111 Market Place, Suite 1050, Baltimore, MD 21202-4012, telephone: 410/347-7700.

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 265 - Calculus for Engineers I

Admission Requirements: The admission standards for majors in the Ira A. Fulton Schools of Engineering are higher than minimum university standards. International students may have an additional English-language proficiency criterion. Foreign nationals must meet the same admission requirements shown below with the possible additional requirement of a minimum TOEFL score. If the university requires a TOEFL score from the applicant, (see <http://global.asu.edu/future/undergrad> (<http://global.asu.edu/future/undergrad>)) then admission to engineering requires a minimum TOEFL score of 550 (paper-based), 213 (computer-based), 79 on iBT (Internet-based) or a minimum IELTS score of 6.5.

Freshman Admission:

- Minimum 1140 SAT combined math and verbal or minimum 24 ACT combined score; or 3.00 minimum ABOR GPA; or class ranking in top 25 percent of high school class, and
- No high school math or science competency deficiencies.

Transfer students with fewer than 24 transferable college credit hours:

- Minimum transfer GPA of 3.00 for less than 24 transfer hours, and
- No high school math or science competency deficiencies, and
- Minimum 1140 SAT combined math and verbal or minimum 24 ACT combined score, or 3.00 minimum ABOR GPA, or class ranking in top 25 percent of high school class.

Transfer student with 24 or more transferable college credit hours must meet EITHER the primary OR secondary criteria (not both):

Primary Criteria

- Minimum transfer GPA of 3.00 for 24 or more transfer hours, and
- No high school math or science competency deficiencies (if Undergraduate Admissions requires submission of a high school transcript).

Secondary Criteria

- Minimum transfer GPA of 2.75 for 24 or more transfer hours, and
- Minimum GPA of 2.75 in all critical courses for Terms 1 and 2 (see major map for critical courses), and
- No high school math or science competency deficiencies (if Undergraduate Admissions requires submission of a high school transcript).

Career Opportunities: Graduates in industrial engineering are prepared to design and manage systems for a wide range of organizations. They find exciting career opportunities in all types of manufacturing and service industries, including:

- Aerospace.
- Automotive.
- Banking.
- Defense.
- Finance.
- Government.
- Healthcare.
- Management consulting.
- Semiconductor manufacturing.
- Telecommunications.
- Transportation.

Contact Information:

Engineering, Ira A. Fulton Schools of

Industrial, Systems & Operations Engineering Prgm
<http://engineering.asu.edu/cidse>
BYENG 208
cidse.advising@asu.edu
480-965-3199

Informatics, BS (ESCPIBS)

Campus: TEMPE

Program Description: The Bachelor of Science (B.S.) informatics program is an interdisciplinary degree that combines mastery of general techniques for processing information with specialization in an application area and its information processing problems. The design of the degree responds to the rapidly growing need for skilled workers who can take a problem-driven, system-level, user-oriented perspective toward information and computing, who can apply current informatics methods to address society's needs, and who can contribute to the next generation of such systems.

The program begins with the fundamentals of informatics in a general setting and in the context of disciplinary applications. The student selects a focal area such as enterprise informatics, geo-informatics, etc.; takes prescribed courses; and completes a two-course capstone project in the focal area. Thus, an informatics graduate remains highly interdisciplinary, yet has a specialization that provides a head start on one possible career in informatics.

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 210 - Brief Calculus or MAT 265 - Calculus for Engineers I

Admission Requirements: The admission requirements for a Bachelor of Science in informatics are higher than minimum university admission requirements. Students should select a second major choice when applying for admission to a degree program in the Ira A. Fulton Schools of Engineering.

International students may have an additional English-language proficiency criterion. Foreign nationals must meet the same admission requirements shown below with the possible additional requirement of a minimum TOEFL score. If the university requires a TOEFL score from the applicant, (see <http://students.asu.edu/international-admission> (<http://students.asu.edu/international-admission>)) and admission to engineering requires a minimum TOEFL score of 550 (paper-based), 213 (computer-based), 79 on iBT (Internet-based) or a minimum IELTS score of 6.5.

Freshman Admission:

- Minimum 1140 SAT combined math and verbal or minimum 24 ACT combined score; or 3.00 minimum ABOR GPA; or class ranking in top 25 percent of high school class, and
- A competency deficiency in either math or laboratory science is allowed. Competency deficiencies in both math and science are not allowed.

Transfer students with fewer than 24 transferable college credit hours:

- Minimum transfer GPA of 3.00 for less than 24 transfer hours, and
- A competency deficiency in either math or laboratory science is allowed. Competency deficiencies in both math and science are not allowed, and
- Minimum 1140 SAT combined math and verbal or minimum 24 ACT combined score, or 3.00 minimum ABOR GPA, or class ranking in top 25 percent of high school class.

Transfer students with more than 24 transferable college credit hours:

Primary Criteria

- Minimum transfer GPA of 3.00 for 24 or more transfer hours, and
- A competency deficiency in either math or laboratory science is allowed. Competency deficiencies in both math and science are not allowed (if Undergraduate Admissions requires submission of a high school transcript).

Secondary Criteria

- Minimum transfer GPA of 2.75 for 24 or more transfer hours, and
- Minimum GPA of 2.75 in all critical courses for Terms 1 and 2 (see major map for critical courses), and
- A competency deficiency in either math or laboratory science is allowed. Competency deficiencies in both math and science are not allowed (if Undergraduate Admissions requires submission of a high school transcript).

Career Opportunities: An ASU informatics graduate has the ability to develop future information technology solutions that place a strong emphasis on user needs and provide the ability to adapt and change dynamically with society's needs. This makes the informatician a strong candidate for jobs in:

- Graduate programs offering emphasis in emerging technologies.
- Management consulting firms.

- Technology research centers.
- Technology start-ups.

Contact Information:

Engineering, Ira A. Fulton Schools of
 Computer Science and Engineering Program
<http://engineering.asu.edu/cidse>
 BYENG 208
 cidse.advising@asu.edu
 480-965-3199

Materials Science & Engineering, BSE (ESMSEBSE)

Campus: TEMPE

Program Description: Materials engineers are responsible for designing and developing new and improved materials for a wide variety of engineering applications. The faculty in the Ira A. Fulton Schools of Engineering offer a B.S.E. in materials science and engineering. Courses in materials teach students about the structure of materials and how to process them to improve their structure, properties and performance. Accredited by the Engineering Accreditation Commission of ABET, 111 Market Place, Suite 1050, Baltimore, MD 21202-4012, telephone: 410-347-7700.

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 265 - Calculus for Engineers I

Admission Requirements: The admission standards for majors in the Ira A. Fulton Schools of Engineering are higher than minimum university standards. International students may have an additional English-language proficiency criterion. Foreign nationals must meet the same admission requirements shown below with the possible additional requirement of a minimum TOEFL score. If the university requires a TOEFL score from the applicant, (see <http://global.asu.edu/future/undergrad> (<http://global.asu.edu/future/undergrad>)) then admission to engineering requires a minimum TOEFL score of 550 (paper-based), 213 (computer-based), 79 on iBT (Internet-based) or a minimum IELTS score of 6.5.

Freshman Admission:

- Minimum 1140 SAT combined math and verbal or minimum 24 ACT combined score; or 3.00 minimum ABOR GPA; or class ranking in top 25 percent of high school class, and
- No high school math or science competency deficiencies.

Transfer students with fewer than 24 transferable college credit hours:

- Minimum transfer GPA of 3.00 for less than 24 transfer hours, and
- No high school math or science competency deficiencies, and
- Minimum 1140 SAT combined math and verbal or minimum 24 ACT combined score, or 3.00 minimum ABOR GPA, or class ranking in top 25 percent of high school class.

Transfer student with 24 or more transferable college credit hours must meet EITHER the primary OR secondary criteria (not both):

Primary Criteria

- Minimum transfer GPA of 3.00 for 24 or more transfer hours, and
- No high school math or science competency deficiencies (if Undergraduate Admissions requires submission of a high school transcript).

Secondary Criteria

- Minimum transfer GPA of 2.75 for 24 or more transfer hours, and
- Minimum GPA of 2.75 in all critical courses for Terms 1 and 2 (see major map for critical courses), and
- No high school math or science competency deficiencies (if Undergraduate Admissions requires submission of a high school transcript).

Career Opportunities: Materials engineers are in demand in a wide range of industries, including the automotive, aerospace, electronics, energy, semiconductor, computer and health care professions. The career paths in these industries offer opportunities to impact technological advances through working in a team environment with engineers from the chemical, electrical, mechanical, aerospace and other engineering disciplines.

Contact Information:

Engineering, Ira A. Fulton Schools of
 Materials Program
<http://engineering.asu.edu/semte>

ECG 202
semte@asu.edu
480-965-2335

Mechanical Engineering, BSE (ESMAEMBSE)

Campus: TEMPE

Program Description: Mechanical engineering is a creative, diverse discipline. Mechanical engineers design, build and control the devices, machines, processes, and systems that are the mainstay of modern industrialized society.

Students are prepared for a career in mechanical engineering through a curriculum that includes study of the principles governing energy transfer, mechanical design, sensors and control devices and the application of these principles to the creative solution of practical modern problems. Accredited by the Engineering Accreditation Commission of ABET, <http://www.abet.org>.

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 265 - Calculus for Engineers I

Admission Requirements: The admission standards for majors in the Ira A. Fulton Schools of Engineering are higher than minimum university admission standards. International students may have an additional English-language proficiency criterion. Foreign nationals must meet the same admission requirements shown below with the possible additional requirement of a minimum TOEFL score. If the university requires a TOEFL score from the applicant, (see <http://global.asu.edu/future/undergrad> (<http://global.asu.edu/future/undergrad>)) then admission to engineering requires a minimum TOEFL score of 550 (paper-based), 213 (computer-based), 79 on iBT (Internet-based) or a minimum IELTS score of 6.5.

Freshman Admission:

- Minimum 1140 SAT combined math and verbal or minimum 24 ACT combined score; or 3.00 minimum ABOR GPA; or class ranking in top 25 percent of high school class, and
- No high school math or science competency deficiencies.

Transfer students with fewer than 24 transferable college credit hours:

- Minimum transfer GPA of 3.00 for less than 24 transfer hours, and
- No high school math or science competency deficiencies, and
- Minimum 1140 SAT combined math and verbal or minimum 24 ACT combined score, or 3.00 minimum ABOR GPA, or class ranking in top 25 percent of high school class.

Transfer students with 24 or more transferable college credit hours:

- Minimum transfer GPA of 3.00 for 24 or more transfer hours, and
- No high school math or science competency deficiencies (if Undergraduate Admissions requires submission of a high school transcript).

Career Opportunities: A major strength of a mechanical engineering education is the flexibility it provides in future employment opportunities for its graduates. Mechanical engineers are employed in virtually every kind of industry. They are involved in seeking new knowledge through research; in generating creative design and development; and in the production, control, management and sales of the devices and systems needed by society. The objectives of the mechanical engineering program are for graduates to be employed in mechanical engineering or a related field or accepted to graduate school and:

- Our graduates will be employed as engineers or will be enrolled in (or have graduated from) engineering or professional graduate school.
- Our graduates will be sought out to contribute to the design of solutions to complex problems.
- Our graduates will demonstrate professionalism and will hold positions of increasing responsibility within their organizations.

Contact Information:

Engineering, Ira A. Fulton Schools of
Mechanical and Aerospace Engineering Program
<http://engineering.asu.edu/semte>
ECG 202
semte@asu.edu
480-965-2335

Mechanical Engineering (Computational and Mathematical Mechanics), BSE (ESMAECBSE)

Campus: TEMPE

Program Description: As mathematical and numerical modeling takes on a much larger role in product development, graduates who are highly skilled in computational and mathematical engineering will be in high demand. The concentration in computational and mathematical mechanics, under the B.S.E. in mechanical engineering, is designed to teach students the modern computational tools available for solving large-scale and complex technical problems. The curriculum focuses on high-performance computing and the accurate modeling of large- and small-scale systems. Accredited by the Engineering Accreditation Commission of ABET, <http://www.abet.org> (<http://www.abet.org>).

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 265 - Calculus for Engineers I

Admission Requirements: The admission standards for majors in the Ira A. Fulton Schools of Engineering are higher than minimum university admission standards. International students may have an additional English-language proficiency criterion. Foreign nationals must meet the same admission requirements shown below with the possible additional requirement of a minimum TOEFL score. If the university requires a TOEFL score from the applicant, (see <http://global.asu.edu/future/undergrad> (<http://global.asu.edu/future/undergrad>)) then admission to engineering requires a minimum TOEFL score of 550 (paper-based), 213 (computer-based), 79 on iBT (Internet-based) or a minimum IELTS score of 6.5.

Freshman Admission:

- Minimum 1140 SAT combined math and verbal or minimum 24 ACT combined score; or 3.00 minimum ABOR GPA; or class ranking in top 25 percent of high school class, and
- No high school math or science competency deficiencies.

Transfer students with fewer than 24 transferable college credit hours:

- Minimum transfer GPA of 3.00 for less than 24 transfer hours, and
- No high school math or science competency deficiencies, and
- Minimum 1140 SAT combined math and verbal or minimum 24 ACT combined score, or 3.00 minimum ABOR GPA, or class ranking in top 25 percent of high school class.

Transfer students with 24 or more transferable college credit hours:

- Minimum transfer GPA of 3.00 for 24 or more transfer hours, and
- No high school math or science competency deficiencies (if Undergraduate Admissions requires submission of a high school transcript).

Career Opportunities: Mechanical engineers are employed in virtually every kind of industry. They are involved in seeking new knowledge through research; in generating creative design and development; and in the production, control, management and sales of the devices and systems needed by society. Therefore, a major strength of a mechanical engineering education is the flexibility it provides in future employment opportunities for its graduates.

The objectives of the mechanical engineering program are for graduates to be employed in mechanical engineering or a related field or accepted to graduate school and:

- Our graduates will be employed as engineers or will be enrolled in (or have graduated from) engineering or professional graduate school.
- Our graduates will be sought out to contribute to the design of solutions to complex problems.
- Our graduates will demonstrate professionalism and will hold positions of increasing responsibility within their organizations.

Contact Information:

Engineering, Ira A. Fulton Schools of
Mechanical and Aerospace Engineering Program

<http://engineering.asu.edu/semte>

ECG 202

semte@asu.edu

480-965-2335

Mechanical Engineering (Energy & Environment), BSE (ESMAEEBSE)

Campus: TEMPE

Program Description: The concentration in energy and environment, within the B.S.E. in mechanical engineering, seeks to prepare students to analyze technical problems in:

- Air pollution.
- Climate change.
- Energy efficiency.
- Environmental sustainability.

- Renewable energy.
- Timely issues facing the global community.

Although the primary focus of this program is technical, the general education courses in the areas of the humanities and social and behavioral sciences introduce students to the global, political and societal issues relating to energy and the environment. By focusing on issues such as air pollution, water scarcity and the lack of alternative transportation, this program becomes even more attractive for employers in the greater Phoenix area, as well as nationwide.

Accredited by the Engineering Accreditation Commission of ABET, <http://www.abet.org> (<http://www.abet.org>).

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 265 - Calculus for Engineers I

Admission Requirements: The admission standards for majors in the Ira A. Fulton Schools of Engineering are higher than minimum university admission standards. International students may have an additional English-language proficiency criterion. Foreign nationals must meet the same admission requirements shown below with the possible additional requirement of a minimum TOEFL score. If the university requires a TOEFL score from the applicant, (see <http://global.asu.edu/future/undergrad>) then admission to engineering requires a minimum TOEFL score of 550 (paper-based), 213 (computer-based), 79 on iBT (Internet-based) or a minimum IELTS score of 6.5.

Freshman Admission:

- Minimum 1140 SAT combined math and verbal or minimum 24 ACT combined score; or 3.00 minimum ABOR GPA; or class ranking in top 25 percent of high school class, and
- No high school math or science competency deficiencies.

Transfer students with fewer than 24 transferable college credit hours:

- Minimum transfer GPA of 3.00 for less than 24 transfer hours, and
- No high school math or science competency deficiencies, and
- Minimum 1140 SAT combined math and verbal or minimum 24 ACT combined score, or 3.00 minimum ABOR GPA, or class ranking in top 25 percent of high school class.

Transfer students with 24 or more transferable college credit hours:

- Minimum transfer GPA of 3.00 for 24 or more transfer hours, and
- No high school math or science competency deficiencies (if Undergraduate Admissions requires submission of a high school transcript).

Career Opportunities: Mechanical engineers are employed in virtually every kind of industry. They are involved in:

- Generating creative design and development.
- Seeking new knowledge through research.
- The production, control, management and sales of the devices and systems needed by society.

Therefore, a major strength of a mechanical engineering education is the flexibility it provides in future employment opportunities for its graduates. Students completing this concentration have opportunities as:

- Environmental consultants.
- Heating, ventilation and air-conditioning (HVAC) engineers.
- Power plant designers.

The objectives of the mechanical engineering program are for graduates to be employed in mechanical engineering or a related field or accepted to graduate school and:

- Our graduates will be employed as engineers or will be enrolled in (or have graduated from) engineering or professional graduate school.
- Our graduates will be sought out to contribute to the design of solutions to complex problems.
- Our graduates will demonstrate professionalism and will hold positions of increasing responsibility within their organizations.

Contact Information:

Engineering, Ira A. Fulton Schools of
 Mechanical and Aerospace Engineering Program
<http://engineering.asu.edu/semte>
 ECG 202
semte@asu.edu

Health Solutions, College of

Applied Science (Food Service Management), BAS (ECNTRBAS)

Campus: DTPHX

Program Description: The B.A.S. degree with a concentration in food service management is designed to complement and enhance the educational preparation of students holding an A.A.S. degree from a regionally accredited institution. It is a flexible, 60-credit-hour degree particularly designed for students holding an A.A.S. degree in culinary or hospitality science.

Additional Program Fee: N

Second Language Requirement: N

Admission Requirements: Students applying to this program must have completed an Associate of Applied Science (A.A.S.) degree. Not available for freshmen.

Career Opportunities: This degree prepares students for careers in food production, service, management and marketing. With additional education or professional training, students may also become credentialed as certified dietary managers, school food service and nutrition specialists or registered sanitarians.

Contact Information:

Health Solutions, College of
School of Nutrition and Health Promotion
<http://healthpromotion.asu.edu/>
MERC C250
healthpromotion@asu.edu
602-496-0888

Applied Science (Health Sciences), BAS (NUHSCBAS)

Campus: DTPHX, ONLNE

Program Description: The B.A.S. program is a flexible degree designed specifically for students who have earned an A.A.S. from a regionally accredited institutions. In completing the B.A.S., students complete all ASU graduation requirements.

The concentration in health sciences is designed to provide the academic knowledge and skills to allow students with an A.A.S. degree from a previously-approved health related program to advance their employment opportunities within the health field and/or continue into a graduate program of study.

Additional Program Fee: N

Second Language Requirement: N

Admission Requirements: Students applying to this program must have completed an Associate of Applied Science (A.A.S.) degree. Not available for freshmen.

Attend Online: ASU offers this program in a fully online format-no face-to-face sessions required. We offer six enrollment sessions throughout the year, and you learn in accelerated, 7.5-week classes. View the program description and request more information here.

(<http://asuonline.asu.edu/degree-programs/undergraduate/bachelor-applied-science-health-sciences>)

Career Opportunities: Graduates will be able to return to their original area of expertise in allied health (i.e., radiology, nuclear imaging) and qualify for a managerial position, as an educator or instructor within their field of expertise or a higher position grade within their current place of employment. Other career options include positions such as:

- Elder services program coordinator.
- Health/patient educator.
- Healthy Start coordinator.
- HMO/insurance company client coach.
- Home health care coordinator.
- Longterm care health/wellness coordinator.
- School health and program specialist.
- WIC/Community nutrition aide.

Contact Information:

Health Solutions, College of
College of Health Solutions
<http://healthpromotion.asu.edu/>
MERC C250
healthpromotion@asu.edu
602-496-0888

Exercise & Wellness (Exercise & Wellness), BS (ECEXWBS)

Campus: DTPHX

Program Description: The B.S. in exercise and wellness with a concentration in exercise and wellness provides students with the knowledge, skills and professional expertise to assist individuals across the lifespan in adopting physical activity and other healthy behaviors that lead to increased fitness, wellness and optimal health.

The exercise and wellness concentration prepares students in the:

- Sciences of cardiovascular and muscular fitness, nutrition, and stress management;
- Methods for promoting health behavior change;
- Knowledge, skills, and ethics for instructing, assessing, prescribing, and promoting fitness and wellness behaviors to varied populations.
- Competencies required to pursue national certifications provided by professional organizations such as the American College of Sports Medicine, National Strength and Conditioning Association, or the National Academy of Sports Medicine.

Students are exposed to the latest research and practices designed to enhance fitness and wellness through laboratory and field experiences. Distinctive features of the exercise and wellness concentration include an outstanding capstone internship that provides preprofessional experience in the fitness, wellness and health industry, locally and nationally, and a focus on practical hands-on application of knowledge and skills learned throughout the program.

The preparation and internship in this program prepares students for multiple career opportunities across fitness and wellness industries and health promotion settings, as well as further graduate study in such fields as exercise science, physical therapy, dentistry and medicine.

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 117 - College Algebra/MAT 170

Transfer Agreements: ASU has partnered with the following institutions to enable you to do a seamless transfer:

Eastern Arizona College (<http://transfer.asu.edu/eastern-az>)

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities: Graduates will have enhanced opportunities in fitness and wellness employment settings, because clients and employers prefer to work with people who are more highly prepared and qualified.

Undergraduates in this concentration often pursue careers in such fields as:

- Active adult planned community fitness and health promotion.
- Cardiac rehabilitation.
- College and university wellness and fitness centers.
- Community recreation and fitness centers.
- Country club fitness center
- Family planned community fitness and health promotion.
- Hospital based fitness centers.
- Personal trainers.
- Spa fitness.
- Sports medicine clinics.
- Strength and conditioning coach.
- Worksite fitness and health promotion.

Graduates may pursue further graduate study in such fields as:

- Chiropractic.
- Dental school.
- Exercise science.
- Medical school.
- Occupational therapy.
- Physician assistant.
- Physical therapy.

Contact Information:

Health Solutions, College of
College of Health Solutions
<http://healthpromotion.asu.edu/>
MERC C250
healthpromotion@asu.edu
602-496-0888

Exercise & Wellness (Health Promotion), BS (ECEXWHBS)

Campus: DTPHX

Program Description: The B.S. in exercise and wellness with a concentration in health promotion provides students with the knowledge, skills and expertise to assist individuals across their lifespan in adopting healthy lifestyles.

The health promotion concentration focuses on the development and delivery of programs that enhance awareness about healthy lifestyle behavior, increasing health-enhancing behaviors, decrease health risk behaviors and create environments supportive of healthy lifestyles.

Students are prepared in:

- Foundational knowledge in nutrition, physical activity, stress, and substance abuse for chronic disease prevention,
- Methods for promoting health behavior change,
- Knowledge, skills, and ethics for assessing group and community health needs,
- Skills in designing, implementing, administering, and evaluating effective health promotion programs in worksite, community, healthcare, and agency settings.
- Competencies required to pursue the Certified Health Education Specialist certification.

Distinctive features of the health promotion concentration include an outstanding capstone internship that provides preprofessional experience in health promotion settings and a focus on application of the knowledge and skills learned throughout the program.

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 117 - College Algebra/170

Transfer Agreements: ASU has partnered with the following institutions to enable you to do a seamless transfer:

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities: The rising cost of health care has increased the need for individuals in health promotion. As health care costs continue to rise, insurance companies, employers and governments are attempting to find ways to curb costs. One of the more cost-effective ways is to employ health promotion professionals to teach people how to live healthy lives and avoid costly treatments for illnesses. Health promotion professionals work in various environments based on the industry in which they are employed. In public health, nonprofit organizations, corporations and businesses, colleges and universities and medical care settings, they primarily work in offices. However, they may spend a lot of time away from the office implementing and attending programs, meeting with community organizers, speaking with patients or teaching classes.

Undergraduates in this concentration often pursue careers in such fields as:

- College and university wellness and health promotion.
- Government health departments and agencies.
- Health and wellness coaching.
- Nonprofit disease prevention agencies.
- Private health care organizations.
- Wellness centers.
- Worksite wellness and health promotion.

Graduates may pursue further graduate study in such fields as:

- Dental school.
- Health education.
- Health promotion.
- Health psychology.
- Medical school.
- Occupational therapy.
- Physician assistant.
- Public health.

Contact Information:

Health Solutions, College of
College of Health Solutions
<http://healthpromotion.asu.edu/>
MERC C250
healthpromotion@asu.edu
602-496-0888

Health Sciences (Health Policy), BS (NUHSCHPBS)

Campus: DTPHX

Program Description: The B.S. in health sciences is designed to provide the academic knowledge and skills to allow students to move directly into a range of employment opportunities within the health field or continue their education in discipline-specific programs. Students will complete a complement of core courses that emphasize ethics, communication skills, critical thinking and cultural awareness. The program includes three unique concentrations: preprofessional, healthy lifestyle coaching and health policy.

The program is designed for students interested in the community policy aspects of disease prevention and health promotion. The continuum of health care now spans a diverse array of health providers ranging from private practitioner offices and outpatient care centers to residential care facilities and acute care hospitals. Key to the enhancement of health care within the U.S. is the development and implementation of innovative, cost effective and universally accessible programs. Students in this concentration will be required to complete a supervised practicum, providing hands-on experience within their field of interest. Students may also wish to consider using their electives to complete a minor in nonprofit administration, which requires 15 credits.

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 142 - College Mathematics

Career Opportunities: Career opportunities are available in city, county and state departments of health, with additional employment opportunities in the health insurance industry, nonprofit sector and within various corporate entities providing health care.

Contact Information:

Health Solutions, College of
College of Health Solutions
http://healthpromotion.asu.edu
MERC C250
<http://healthpromotion.asu.edu/>
602-496-0888

Health Sciences (Healthy Lifestyles Coaching), BS (NUHSCHLCBS)

Campus: DTPHX, ONLNE

Program Description: The B.S. in health sciences is designed to provide the academic knowledge and skills to allow students to move directly into a range of employment opportunities within the health field and/or continue their education in discipline-specific programs. Students will complete a complement of core courses that emphasize ethics, communication skills, critical thinking and cultural awareness. The program includes three unique concentrations: pre-professional, healthy lifestyles coaching, and health policy.

The program is designed for students who have a broad interest in health education and are seeking immediate employment in the community health education/health promotion field.

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 142 - College Mathematics

Career Opportunities: Career options include positions such as:

- Elder service/congregate meal program coordinator.
- Health/patient educator.
- Healthy start coordinator.
- School health and nutrition program specialist.
- Women, infants and children/community nutrition aide.

Contact Information:

Health Solutions, College of
College of Health Solutions
<http://healthpromotion.asu.edu/>

MERC C250
healthpromotion@asu.edu
602-496-0888

Health Sciences (Pre-professional), BS (NUHSCPRES)

Campus: DTPHX

Program Description: The B.S. in health sciences is designed to provide the academic knowledge and skills to allow students to move directly into a range of employment opportunities within the health field or continue their education in discipline-specific programs. Students will complete a complement of core courses that emphasize ethics, communication skills, critical thinking and cultural awareness. The program includes three unique concentrations: preprofessional, healthy lifestyle coaching and health policy.

The program is designed for students planning to enter medical, dental, osteopathic, physical therapy, veterinary, pharmacy and similar professional schools. In addition to a comprehensive core of basic science courses, the concentration is unique in that it will provide a solid base in ethics; communication; the evaluation of research (the cornerstone of evidence-based practice); and healthy lifestyles (the foundation of health promotion and chronic disease risk reduction avenues of health care), including the role of complementary and alternative care within the U.S. health care system. Students will also have the ability to incorporate electives that contribute to their knowledge of and sensitivity to the needs of populations impacted by health disparities.

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 251 - Calculus for Life Sciences

Transfer Agreements: ASU has partnered with the following institutions to enable you to do a seamless transfer:
Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities: If not entering an advanced degree program in the medical field, employment opportunities include:

- Clinical research coordinator.
- Health officer.
- Laboratory scientist.
- Sales/marketing representative for pharmaceutical or medical device companies.

Contact Information:

Health Solutions, College of
College of Health Solutions
<http://healthpromotion.asu.edu/>
MERC C250
healthpromotion@asu.edu
602-496-0888

Kinesiology, BS (NUKINBS)

Campus: DTPHX

Program Description: Kinesiology is a discipline emphasizing the study of movement as it relates to physical activity, health and disease prevention, exercise and sport. Using both human and animal models and reflecting research ranging from basic to applied, it draws from an interdisciplinary body of knowledge grounded in the biological, psychological, physical and social sciences.

Undergraduate students in the program gain a disciplinary knowledge of the anatomical, biomechanical, developmental, neural, physiological and psychological mechanisms underlying human movement.

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 251 - Calculus for Life Sciences

Admission Requirements: Fall 2010

All applicants must meet university minimum admission requirements (<http://students.asu.edu/undergraduate-admission>).

Effective Spring 2011

Freshmen admission:

- Have a minimum ABOR GPA of 3.30; and high school class rank in the top 15th percentile; or an SAT score of 1140 or higher or an ACT score of 25 or higher.
- Meet math competency (Four years Math, including Algebra 1, Geometry, Algebra II and one course requiring Algebra II as a prerequisite)

Transfer students with fewer than 24 transferable college credit hours:

- Admissions will be based on the standards used for freshmen admission.

Transfer students with greater than 24 transferable college credit hours:

- Minimum transfer GPA of 3.30 or higher.

Please note: The Major Map posted is for the 2010-2011 academic year. The kinesiology B.S. is undergoing curricular changes. Students admitted for Fall 2011 and Spring 2012 will be under the 2011-2012 catalog year and subject to the new curriculum and 2011-2012 Major Map.

Transfer Agreements: ASU has partnered with the following institutions to enable you to do a seamless transfer:

Eastern Arizona College (<http://transfer.asu.edu/eastern-az>)

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities: An undergraduate degree in kinesiology prepares students for graduate study in a variety of clinical and research settings including:

- Chiropractic.
- Dentistry.
- Kinesiology.
- Medical School.
- Occupational Therapy.
- Physician Assistant.
- Physical Therapy.

Contact Information:

Health Solutions, College of
College of Health Solutions
<http://healthpromotion.asu.edu/>
PEBW 218
kinesiology@asu.edu
480-965-3875

Nutrition (Dietetics), BS (ECNTRDBS)

Campus: DTPHX

Program Description: The dietetics concentration, under the B.S. in nutrition, provides all the academic course work a student needs to qualify to become a registered dietitian (R.D.). A registered dietitian is a food and nutrition expert who has met the minimum academic and professional requirements to qualify for the credential. In addition to a core of professional nutrition courses, students must complete a broad range of science, management and communication classes. The program emphasizes the application of nutrition within clinical, community, food production and wellness areas. Graduates can apply to complete a dietetic internship, which will further prepare them to take the exam to become an R.D. ASU's program in dietetics is accredited as a Didactic Program in Dietetics by the Commission on Accreditation for Dietetics Education of the Academy of Nutrition and Dietetics, 120 S. Riverside Plz., Ste. 2000, Chicago, IL 60606-6995.

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 142 - College Mathematics

Transfer Agreements: ASU has partnered with the following institutions to enable you to do a seamless transfer:

Central Arizona College (<http://transfer.asu.edu/central-az>)

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities: The nutrition/dietetics field provides employment opportunities in:

- Consulting.
- Education.
- Food/nutrition marketing and sales.
- Hospitals and other health care facilities.
- Nutrition/health promotion.
- Public health agencies.
- School food service.

Contact Information:

Health Solutions, College of
College of Health Solutions
<http://healthpromotion.asu.edu/>
MERC C250

healthpromotion@asu.edu
602-496-0888

Nutrition (Food & Nutrition Management), BS (ECNTRMBS)

Campus: DTPHX

Program Description: The food and nutrition management concentration is designed to provide students with an understanding of the food industry and the ability to apply nutrition principles to food production. Students will learn to manage and market food and develop a food or menu that meets a specific nutrition guideline.

Course work focuses on a strong foundation in food purchasing, production and planning. Additional course work in management, marketing and nutrition prepares students for a variety of food service positions. Graduates can also pursue the credentials of certified dietary manager, school nutrition specialist or registered sanitarian.

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 142 - College Mathematics

Transfer Agreements: ASU has partnered with the following institutions to enable you to do a seamless transfer:
Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities: According to the National Restaurant Association, the number of food service managers is projected to increase by 15 percent in the next 10 years. This degree prepares students to become food service directors at schools, health care facilities and corporate food service operations. Our graduates aspire to own restaurants or nutrition-related businesses, work in supplement or pharmaceutical sales, or work in food marketing and distribution.

Contact Information:

Health Solutions, College of
College of Health Solutions
<http://healthpromotion.asu.edu/>
MERC C250
healthpromotion@asu.edu
602-496-0888

Nutrition (Human Nutrition), BS (ECNTRHBS)

Campus: DTPHX

Program Description: The human nutrition concentration, under the B.S. in nutrition, provides students with a strong foundation in nutrition and science. Students in this concentration usually intend to apply to medical school or another health profession. In addition to providing a strong foundation in medical nutrition therapy, the course work includes anatomy, physiology, chemistry and microbiology. Students gain knowledge of nutritional concepts that health care professionals sometimes lack.

Students from this program have gone on to study:

- Medicine.
- Dentistry.
- Naturopathic medicine.
- Optometry and podiatry.
- Osteopathic medicine.
- Pharmacy.
- Physician assistant.

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 170 - Precalculus

Transfer Agreements: ASU has partnered with the following institutions to enable you to do a seamless transfer:
Central Arizona College (<http://transfer.asu.edu/central-az>)
Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities: The nutrition field provides employment opportunities in health care, public health, education, food service, food/nutrition marketing and sales, and nutrition/health promotion and consulting. Graduates of the human nutrition program often go on to apply to other health education or master's programs. The area of nutrition research is also a good fit for human nutrition majors. Several outstanding scientists have received their bachelor's from this program; add a master's or a doctorate and the opportunities within the research field are unlimited.

Contact Information:

Health Solutions, College of
College of Health Solutions
<http://healthpromotion.asu.edu/>
MERC C250
healthpromotion@asu.edu
602-496-0888

Nutrition (Nutrition Communication), BS (ECNTRCBS)

Campus: DTPHX

Program Description: The nutrition communication concentration, under the B.S. in nutrition, was originally developed in collaboration with the Walter Cronkite School of Journalism and Mass Communication. While focusing on human nutrition, students take classes designed to build a foundation toward becoming expert communicators on issues related to food, health and nutrition.

Nutrition courses provide the content for articles students write in their communication classes. This degree program provides students with a strong understanding of the scientific method, statistics, nutrition, health care, fitness and wellness that many traditional journalists lack. Faculty members teach students how to avoid sensationalism or sacrificing reality to get a better story.

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 142 - College Mathematics

Transfer Agreements: ASU has partnered with the following institutions to enable you to do a seamless transfer:

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities: The nutrition communication field offers employment opportunities with newspapers, magazines, Web-based companies, community and health care agencies and private corporations (e.g., public relations firms). With this degree, graduates can pursue careers as authors, freelance writers for newspapers and magazines, public relations representatives for food and beverage companies or consultants in program or product development.

Contact Information:

Health Solutions, College of
College of Health Solutions
<http://healthpromotion.asu.edu/>
MERC C250
healthpromotion@asu.edu
602-496-0888

Honors - Barrett, The Honors College

Honors College, (9HOHONALL)

Campus: DTPHX, POLY, TEMPE, WEST

Program Description: ABOUT THE COLLEGE

Barrett, The Honors College at ASU is a selective, residential college that recruits academically outstanding undergraduates. Named "Best Honors College," this honors community is known nationally for the number of National Merit Scholars and recipients of prestigious fellowships such as the Rhodes, Truman, Fulbright, Marshall, Goldwater, NSEP and Udall. Barrett students benefit from a \$10 million endowment used exclusively to support honors students and their projects. The Barrett honors experience is unique, with the advantage of students experiencing a small, intellectually and socially vibrant environment while having access to the vast resources of the major research university that is ASU. Barrett students are members of a small community of scholars who benefit from personalized attention, dedication and access to Barrett deans; roughly 18 Faculty Fellows within the college; more than 1,400 faculty members who teach honors students university-wide; and approximately 35 staff members on all four campuses. Barrett students may major in any field offered at any of the university's four campuses, which also offer a vibrant honors residential component, academic and co-curricular experiences, and faculty and staff support. In the fall of 2009, Barrett opened the nation's first comprehensive premier four-year residential honors college within this top-tier Research I university. The \$130 million nine-acre honors community at ASU includes 12 classrooms; 1,700 beds; a community center (with student lounges, activity rooms, computer labs and a fitness center); a dining center with signature refectory and café; and all the Barrett Faculty Fellows and administration offices.

PROGRAM REQUIREMENTS

Barrett welcomes applications from highly-motivated, high-achieving, academically strong high school seniors and transfer students, as well as students currently enrolled at ASU. Prospective students may apply to Barrett after they have submitted an application to ASU. Admission information and the online application are available on the Barrett website. Barrett students complete a challenging honors curriculum through a combination of honors-only seminars, honors contracts, internships, research, honors study abroad and a culminating honors thesis or creative

project. Generally, students complete 36 hours of honors credits within the 120 credit hours required to earn a bachelor's degree. Details regarding the academic requirements can be viewed using the major map.

STUDENT OPPORTUNITIES

Barrett students take advantage of an array of opportunities that enrich the honors experience. They participate in study abroad programs that enable them to enjoy small classes taught by Barrett faculty and experience different cultures while earning honors credits. Barrett students receive national and international graduate scholarships such as Rhodes, Fulbright, Truman and Marshall scholarships. They secure unique undergraduate research and internship opportunities; attend social and cultural events; work in the governor's office; and publish poetry in the honors literary publication, LUX. They work with doctors at the Mayo clinic as a result of integral community partnerships and work with faculty in the Biodesign Institute on the latest developments in nanotechnology. They also benefit from spending significant time with individuals whose achievements are extraordinary in a given field. Whether listening to the experiences of U.S. Supreme Court Justice Sandra Day O'Connor, enrolling in an honors course taught by former CNN anchor and Rhodes Lecturer-In-Residence, Aaron Brown, or attending a seminar with Centennial lecturer, Edward James Olmos, Barrett students are provided exceptional opportunities to engage with experts in multiple disciplines while learning from each other in an academic-intensive community of students with many talents both within the classroom and beyond.

Additional Program Fee: Y

Second Language Requirement: N

Admission Requirements: Students who have demonstrated high levels of academic achievement in high school or college may apply for admission to Barrett. All candidates for admission must file an application to Barrett separate from their ASU application and must be admitted to ASU before Barrett can consider their application. Applicants are evaluated on the basis of: • High school GPA (Arizona Board of Regents GPA based on 16 competency courses). • High school class rank. • Performance on the SAT or ACT. • Talents that contribute to leadership and community service. Continuing ASU or transfer students are evaluated on their college GPA. Please contact Barrett for more information.

Contact Information:

Honors - Barrett, The Honors College

The Barrett Honors College

<http://barretthonors.asu.edu/>

SGHAL 101

480-965-4033

Interdisciplinary Arts & Sciences, New College of

American Studies, BA (ASAMSBA)

Campus: WEST

Program Description: The B.A. in American Studies, within the New College of Interdisciplinary Arts and Sciences, enables students to look at the experiences of North Americans and their environment from a variety of historical and contemporary perspectives. Courses are grouped into four emphases:

- American cultures: concentrating on systems of belief and their symbolic expression in literature, art, philosophy, and regional and popular cultures.
- American lives: exploring the ways in which categories of race, ethnicity, class and gender intersect with individual and community experience.
- American systems: dealing with political, economic, religious and legal institutions.
- Writing: stressing critical writing skills and training students to pursue careers in which writing is a major activity.

Students learn to think and write critically, to conduct research and to appreciate the changing and diverse nature of American life. Students determine appropriate programs of study in consultation with department academic advisors.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: West campus. Students from Western states, who select this major and campus, may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (<http://students.asu.edu/admission/wue>).

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 142 - College Mathematics

Transfer Agreements: ASU has partnered with the following institutions to enable you to do a seamless transfer:

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities: Graduates are well equipped to embark on a wide variety of careers in government, education, business, museum and

foundation work; journalism and other forms of professional writing; and in other areas where these capabilities are highly valued and sought. The program also serves as excellent preparation for law school and for graduate programs in fields such as:

- American studies.
- Art history.
- English.
- History.
- Journalism.

Ideally suited to careers in which research, analysis and planning play a central role.

Contact Information:

Interdisciplinary Arts & Sciences, New College of
School of Humanities, Arts, and Cultural Studies
<http://newcollege.asu.edu/harcs/degrees/majors/americanstudies>
FAB N201
harcs.dept@asu.edu
602-543-4444

Applied Computing, BS (ASACOBS)

Campus: WEST

Program Description: The B.S. in applied computing, within the New College of Interdisciplinary Arts and Sciences, prepares students to:

- Allow for efficient, effective and ethical user interaction with computer systems.
- Apply skills to lead the development of technology systems.
- Collect and analyze data.
- Develop and assure quality and value of information.
- Engage in creative efforts.

The program has a technical component, concerned with the design and use of appropriate systems and technologies, and a social sciences component, concerned with understanding how people seek, obtain, evaluate, use and categorize information. Students receive a solid foundation in mathematics, technology and social sciences. Students can also choose one of three concentrations within the major:

- Database systems.
- Digital media and graphic design.
- Networking and distributed processing.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: West campus. Students from Western states, who select this major and campus, may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (<http://students.asu.edu/admission/wue>).

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 210 - Brief Calculus

Transfer Agreements: ASU has partnered with the following institutions to enable you to do a seamless transfer:

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities: Students are prepared to integrate technology with human activities, respond to global changes, solve problems and create and manage the technological production of information and creative products. Core information technology industries are among the fastest growing sectors in the U.S. economy. Graduates will find employment opportunities with corporations and businesses, nonprofit and government agencies, digital arts media industries and in the academic world.

Contact Information:

Interdisciplinary Arts & Sciences, New College of
School of Mathematical and Natural Sciences
http://newcollege.asu.edu/mns/degrees/computing/applied_computing
CLCC 217
MNS.Dept@asu.edu
602-543-6050

Applied Mathematics, BS (ASMATBS)

Campus: WEST

Program Description: The B.S. in applied mathematics is an interdisciplinary program that provides students with a broad and rigorous foundation in applied mathematics. The program emphasizes an education in quantitative problem-solving and critical thinking, through a survey of courses exposing students to a wide variety of mathematical theories, techniques and applications currently used by analysts and researchers in government, industry and nonprofit organizations. Students will complete a capstone project involving real-world problems, under the supervision of an advisor and in close consultation with an external project sponsor.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: West campus. Students from Western states, who select this major and campus, may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (<http://students.asu.edu/admission/wue>).

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 270 - Calculus w/Analytic Geometry I

Transfer Agreements: ASU has partnered with the following institutions to enable you to do a seamless transfer:
Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities: Graduates have a wide range of career options in industry, finance, government, nonprofit organizations and education. They also may pursue advanced degrees in the mathematical sciences (e.g., mathematics, statistics, and computer science), and their career interests would suggest the appropriate degree tracks and choice of courses, such as:

- Applied mathematical networks.
- Financial mathematics.
- General applied mathematics.
- Mathematical biology.
- Operations research.

Contact Information:

Interdisciplinary Arts & Sciences, New College of
School of Mathematical and Natural Sciences

<http://newcollege.asu.edu/>

CLC C217

MNS.Dept@asu.edu

602-543-6050

Applied Science, BAS (ASBASBAS)

Campus: WEST

Program Description: The B.A.S. program, within the New College of Interdisciplinary Arts and Sciences, combines the technical concentration knowledge earned in the student's Associate of Applied Science with a broader education gained at the bachelor's level of education. Included in the program of study is an area of concentration (using an approved ASU minor or creating a concentration that is completely individualized) unique to the student's own interests and career pursuits. For example, the area of concentration can include, but is not limited to:

- Business.
- Communication.
- Criminal justice and pre-professional studies.
- Education and teaching.
- Environmental issues and physical sciences.
- Languages and cultures.
- Social sciences and policy issues.

The program is capped with an internship experience.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: West campus. Students from Western states, who select this major and campus, may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (<http://students.asu.edu/admission/wue>).

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 142 - College Mathematics

Admission Requirements: Students applying to this program must have completed an Associate of Applied Science (A.A.S.) degree. Not available for freshmen.

Career Opportunities: Emphasizing professional study combined with a specific area of concentration (e.g., business, communication studies, English, gerontology, history, psychology or pre-professional studies), students tailor their programs to meet individualized career goals. The capstone internship program prepares students to make the transition smoothly to post-baccalaureate employment in business, cultural, educational, community and human service settings, as well as to graduate school. Students planning graduate or professional degrees in law, business, social sciences, helping professions or in traditional disciplines benefit from the flexibility of this program for a broad range of future academic and career pursuits.

Contact Information:

Interdisciplinary Arts & Sciences, New College of
School of Humanities, Arts, and Cultural Studies
http://newcollege.asu.edu/harcs/degrees/majors/app_science
FAB N201
harcs.dept@asu.edu
602-543-4444

Communication, BA (ASCOMMBA)

Campus: CALHC, WEST

Program Description: Communication is an extensive field involving the exploration of messages and their various meanings. Such exploration occurs in countless ways, including the study of messages between:

- Employees in organizations.
- Individuals in relationships.
- Media and their respective audiences.
- Members of different cultures.
- Social institutions and their constituents.

The B.A. prepares students to work in communications-intensive careers, such as:

- Corporate communications.
- Crisis management.
- Customer relations.
- Health communications.
- Human resources management.
- Media relations.
- New media.
- Public relations.
- Training.

It readies graduates to perform various forms of data analysis, communication assessment and technical reporting. It also prepares students for graduate study in the social sciences, law, humanities and management.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: West campus. Students from Western states, who select this major and campus, may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (<http://students.asu.edu/admission/wue>).

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 142 - College Mathematics

Transfer Agreements: ASU has partnered with the following institutions to enable you to do a seamless transfer:

Arizona Western College (<http://transfer.asu.edu/az-western>)
Central Arizona College (<http://transfer.asu.edu/central-az>)
Eastern Arizona College (<http://transfer.asu.edu/eastern-az>)
Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities: Communication is a broadly based discipline that trains individuals to speak and write competently; manage relationships well; effectively problem-solve; and understand the role and function of communication in public forums, organizational settings, relational exchanges and intercultural situations. Because these skills are crucial to many professions, communication graduates work in a variety of fields, including:

- Advertising.
- Customer service and customer relations.
- Education.
- Fundraising.
- Health and human services.
- Human resources.
- International service.
- Legal professions.
- Lobbying.
- Management.
- Media and public relations.
- Mediation.
- Ministry.
- Personnel.
- Public administration.
- Public advocacy.
- Public office.
- Public relations.
- Research.
- Sales and marketing.
- Speech writing.
- Training and development.

Contact Information:

Interdisciplinary Arts & Sciences, New College of
School of Social and Behavioral Sciences
<http://newcollege.asu.edu/sbs/degrees/communication>
FAB S105
SBS.Dept@asu.edu
602-543-6058

Communication, BS (ASCOMMBS)

Campus: WEST

Program Description: Communication is an extensive field involving the exploration of messages and their various meanings. Such exploration occurs in countless ways, including the study of messages between:

- Employees in organizations.
- Individuals in relationships.
- Media and their respective audiences.
- Members of different cultures.
- Social institutions and their constituents.

The B.S. prepares students to work in communications-intensive careers, such as:

- Corporate communications.
- Crisis management.
- Customer relations.
- Health communications.
- Human resources management.
- Media relations.
- New media.
- Public relations.
- Training.

It readies graduates to perform various forms of data analysis, communication assessment and technical reporting. It also prepares students for graduate study in the social sciences, law, humanities and management.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: West campus. Students from Western states, who select this major and campus, may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (<http://students.asu.edu/admission/wue>).

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 142 - College Mathematics

Transfer Agreements: ASU has partnered with the following institutions to enable you to do a seamless transfer:

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities: Communication is a broadly based discipline that trains individuals to speak and write competently; manage relationships well; effectively problem-solve; and understand the role and function of communication in public forums, organizational settings, relational exchanges and intercultural situations. Because these skills are crucial to many professions, communication graduates work in a variety of fields, including:

- Advertising.
- Customer service and customer relations.
- Education.
- Fundraising.
- Health and human services.
- Human resources.
- International service.
- Legal professions.
- Lobbying.
- Management.
- Media and public relations.
- Mediation.
- Ministry.
- Personnel.
- Public administration.
- Public advocacy.
- Public office.
- Public relations.
- Research.
- Sales and marketing.
- Speech writing.
- Training and development.

Contact Information:

Interdisciplinary Arts & Sciences, New College of

School of Social and Behavioral Sciences

<http://newcollege.asu.edu/sbs/degrees/communication>

FAB S105

SBS.Dept@asu.edu

602-543-6058

English, BA (ASENGBA)

Campus: WEST

Program Description: The primary mission of the English program is undergraduate education. Graduates should be able to write clearly and effectively, to think critically and to construct well-supported rational arguments. They should gain an awareness of genre, should be able to take a critical approach to texts and should learn to shape their discourse to suit their intended audience.

The program, in its thematic cluster design, provides students with a balanced overview of major literature in the English language - major authors, regional and ethnic literatures and writing by women - and an awareness of the role of literary discourse in broader social and historical contexts.

The program stresses the formal aesthetic qualities of texts and the issues of class, gender, race and ethnicity relating to literary representation. It provides students a familiarity with standard literary critical terminology and an awareness of a variety of theoretical approaches to literary study. It relates works of literature to historical events, cultural patterns, philosophical and theological concepts, and technological innovations.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: West campus. Students from Western states, who select this major and campus, may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program

(<http://students.asu.edu/admission/wue>).

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 142 - College Mathematics

Transfer Agreements: ASU has partnered with the following institutions to enable you to do a seamless transfer:

Arizona Western College (<http://transfer.asu.edu/az-western>)

Central Arizona College (<http://transfer.asu.edu/central-az>)

Eastern Arizona College (<http://transfer.asu.edu/eastern-az>)

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities: The B.A. in English prepares students for graduate and professional training, including law, business, teaching and public policy. With breadth and emphasis on the communication of ideas, it serves as an excellent point of departure for careers in marketing, public relations, government, diplomacy and community work.

Contact Information:

Interdisciplinary Arts & Sciences, New College of

School of Humanities, Arts, and Cultural Studies

<http://newcollege.asu.edu/harcs/degrees/majors/english>

FAB N201

harcs.dept@asu.edu

602-543-4444

Ethnicity, Race, and First Nations Studies, BA (ASETHBA)

Campus: WEST

Program Description: Ethnicity, Race, and First Nations Studies is the first such B.A. program in Arizona. It provides an integrated, comparative and comprehensive approach to the study of diversity among ethnic and racial groups and First Nations. A highlight of the program is the internship, which fosters direct links between the university and community-based settings. Both theoretical and applied perspectives are embedded in a curriculum addressing how ethnicity, race and First Nations shape identities, literacies, public policies and communities in local and transnational U.S. contexts. Students identify a career area enabling them to integrate their knowledge with specific course work tied to their career and advanced educational goals.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: West campus. Students from Western states, who select this major and campus, may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (<http://students.asu.edu/admission/wue>).

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 142 - College Mathematics

Career Opportunities: Rapid socioeconomic change, changing demographics, increased global competition and rapid cultural diversification have created an increasing need for workers and citizens knowledgeable about diverse ethnic and racial groups. Graduates of the undergraduate Ethnicity, Race and First Nations Studies program will be positioned to enter the workforce and function effectively and critically as informed citizens in a diverse and complex society.

Contact Information:

Interdisciplinary Arts & Sciences, New College of

School of Humanities, Arts, and Cultural Studies

<http://newcollege.asu.edu/harcs/degrees/majors/erfns>

FAB N201

harcs.dept@asu.edu

602-543-4444

History, BA (ASHISBA)

Campus: WEST

Program Description: The B.A. in history, within the New College of Interdisciplinary Arts and Sciences, trains students in the use of basic tools and methods of the historical discipline. Students are exposed to a broad span of modern history, a wide range of historiographical perspectives and approaches and such fundamental categories of historical analysis as race, class, gender and ethnicity. Students develop habits of mind associated with history as a discipline. The program consists of several specific core courses and a range of electives and distributional

requirements, providing students with a solid foundation in historical methods.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: West campus. Students from Western states, who select this major and campus, may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (<http://students.asu.edu/admission/wue>).

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 142 - College Mathematics

Transfer Agreements: ASU has partnered with the following institutions to enable you to do a seamless transfer:

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities: The B.A. in history serves as excellent preparation for study in graduate or professional degree programs and for careers in which critical thinking, research and writing skills are highly valued. This program provides a strong foundation for understanding the forces of change that shape contemporary society, the marketplace and the lives of individuals and groups, thereby equipping students to negotiate the complex cultural, community and business environments of the 21st century.

Contact Information:

Interdisciplinary Arts & Sciences, New College of

School of Humanities, Arts, and Cultural Studies

<http://newcollege.asu.edu/harcs/degrees/majors/history>

FAB N201

harcs.dept@asu.edu

602-543-4444

Integrative Studies, BA (ASIASBA)

Campus: WEST

Program Description: The B.A. in integrative studies, within the New College of Interdisciplinary Arts and Sciences, prepares students for broad employment alternatives or to pursue graduate studies. As a variation of the classic liberal arts degree, students combine a solid foundation of lower-division courses, followed by upper-division liberal arts courses in which students design an area of concentration (using an approved ASU minor or creating a concentration that is completely individualized) unique to their own interests and career pursuits. For example, the concentration can include, but is not limited to:

- Business.
- Communication.
- Criminal justice and pre-professional studies.
- Education and teaching.
- Environmental issues and physical sciences.
- Languages and cultures.
- Social sciences and policy issues.

Flexible and diverse, the program is capped with an internship experience.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: West campus. Students from Western states, who select this major and campus, may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (<http://students.asu.edu/admission/wue>).

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 142 - College Mathematics

Career Opportunities: Emphasizing interdisciplinary study combined with a specific area of concentration (e.g., business, communication studies, English, gerontology, history, psychology or pre-professional studies), students tailor their programs to meet individualized career goals. The capstone internship program prepares students to make the transition smoothly to post-baccalaureate employment in business, cultural, educational, community, social sciences and human service settings, as well as to graduate school. Students planning graduate or professional degrees in law, business, helping professions or in traditional disciplines benefit from the flexibility of this program for a broad range of future academic and career pursuits.

Contact Information:

Interdisciplinary Arts & Sciences, New College of

School of Humanities, Arts, and Cultural Studies
<http://newcollege.asu.edu/harcs/degrees/majors/integrativestudies>
FAB N201
harcs.dept@asu.edu
602-543-4444

Interdisciplinary Arts & Performance, BA (ASIAPBA)

Campus: WEST

Program Description: The Interdisciplinary Arts and Performance program (IAP), the only one of its kind in the Southwest, offers a B.A. for students focused on an interdisciplinary and collaborative approach to the arts, technology and performance. Core and elective courses are offered in digital media arts, sound and recording arts, theatre and performance practice, visual art and more.

The IAP program includes courses on the traditions of 20th- and 21st-century interdisciplinary, avant gard and experimental arts, and aims to provide students with an understanding of the genres and directions in contemporary art-making and performance. Teaching and course work in IAP encourages students to develop creatively and work collaboratively. A senior project allows students to finalize the degree with a substantial artistic venture or to engage in a practical arts-based internship. Graduates enter the art-making world or work in the areas of media, film and education.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: West campus. Students from Western states, who select this major and campus, may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (<http://students.asu.edu/admission/wue>).

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 142 - College Mathematics

Admission Requirements:

Career Opportunities: This interdisciplinary arts training can be the basis for a variety of personal and professional pursuits. Students who major in the program receive practical, professional training and solid academic skills. They gain extensive preparation for careers as artists, performers and creative professionals. They also develop critical backgrounds useful for becoming future teachers and scholars. Graduates of the program are prepared for advanced study in the performing arts or arts-related professions in:

- Art and cultural journalism.
- Education.
- Government and community arts administration.
- Media services and production.

Contact Information:

Interdisciplinary Arts & Sciences, New College of
School of Humanities, Arts, and Cultural Studies
<http://newcollege.asu.edu/harcs/degrees/majors/iap>
FAB N201
harcs.dept@asu.edu
602-543-4444

Life Sciences, BA (ASLSCBA)

Campus: WEST

Program Description: The intricate connections among biology, chemistry and physics form the basis of the life sciences curriculum. The B.A. program emphasizes interdisciplinary learning of the life and physical sciences, particularly the connectedness among disciplines. The organization and flexibility of the program encourages students to deeply study another subject outside their major, even encouraging students to double-major or minor in another subject area.

Additional Program Fee: N

Second Language Requirement: N

Career Opportunities: Students have a wide variety of options, including pursuing graduate studies or seeking careers that include:

- Environmental management and conservation.
- Health professional programs.

- Laboratory research.
- Primary and secondary school teaching.
- Science advisors to businesses and government.
- Science writing.

Contact Information:

Interdisciplinary Arts & Sciences, New College of
 School of Mathematical and Natural Sciences
http://newcollege.asu.edu/mns/degrees/naturalsci/life_sci_ba
 CLCC 217
 mns@asu.edu
 602-543-6050

Life Sciences, BS (ASLSCBS)

Campus: CALHC, WEST

Program Description: The intricate connections among biology, chemistry and physics form the basis of the life sciences curriculum. The B.S. program emphasizes experiential learning, and all required core courses have laboratories. By learning in an integrative environment that emphasizes the connectedness of disciplines, students gain a better understanding of larger scientific concepts and can view these concepts from multiple perspectives. Undergraduates have the opportunity to conduct independent research under the mentorship of faculty members or in internships outside of the department.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: West campus. Students from Western states, who select this major and campus, may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (<http://students.asu.edu/admission/wue>).

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 210 - Brief Calculus

Transfer Agreements: ASU has partnered with the following institutions to enable you to do a seamless transfer:

Arizona Western College (<http://transfer.asu.edu/az-western>)
 Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)
 Mohave Community College (<http://transfer.asu.edu/mohave>)

Career Opportunities: The B.S. in life sciences prepares students for a wide range of careers by offering course and laboratory work and quantitative research opportunities that develop fundamental problem-solving, critical thinking, writing and communication skills. Graduates may enter careers in:

- Laboratory or field research.
- Business.
- Scientific journalism.
- Publishing.
- Teaching.
- Medicine.

Undergraduate laboratory experience, both on- and off-campus, enhances employability 1) as a laboratory technician or research associate in university and government research laboratories and hospital and diagnostic laboratories, and 2) in pharmaceutical, biotechnology, agricultural and food processing companies.

Students engaged in field studies are prepared for entry-level positions in 1) private companies, and 2) state and federal agencies (e.g., wildlife biologist, environmental consultant or conservation officer).

Contact Information:

Interdisciplinary Arts & Sciences, New College of
 School of Mathematical and Natural Sciences
http://newcollege.asu.edu/mns/degrees/naturalsci/life_sci
 CLCC 217
 MNS.Dept@asu.edu
 602-543-6050

Life Sciences (Environmental Science), BS (ASLSCEBS)

Campus: CALHC, WEST

Program Description: The intricate connections among biology, chemistry and physics form the basis of the life sciences curriculum. The B.S. program emphasizes experiential learning, and all required core courses have laboratories. By learning in an integrative environment that emphasizes the connectedness of disciplines, students gain a better understanding of larger scientific concepts and can view these concepts from multiple perspectives. Undergraduates have the opportunity to conduct independent research under the mentorship of faculty members or in internships outside the department.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: West campus. Students from Western states, who select this major and campus, may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (<http://students.asu.edu/admission/wue>).

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 210 - Brief Calculus

Transfer Agreements: ASU has partnered with the following institutions to enable you to do a seamless transfer:

Arizona Western College (<http://transfer.asu.edu/az-western>)

Coconino Community College (<http://transfer.asu.edu/coconino>)

Mohave Community College (<http://transfer.asu.edu/mohave>)

Career Opportunities: According to the 2010-2011 Occupational Outlook Handbook (US Bureau of Labor Statistics, 2010), employment of environmental scientists is expected to grow by 28 percent between 2008 and 2018. This is far more rapid growth than average rate of growth for all occupations. The handbook indicates most rapid growth will occur in the private sector (primarily, in private environmental consulting firms). This concentration will allow students to tailor their courses of study to interests they possess in the science of the environment, to help prepare them for careers in the public and private sectors (e.g., in environmental consulting, environmental remediation, natural resource management, etc.) as well as entry into graduate programs in environmental science and related disciplines.

Contact Information:

Interdisciplinary Arts & Sciences, New College of

School of Mathematical and Natural Sciences

<http://newcollege.asu.edu/mns/>

CLCC 217

mns@asu.edu

602-543-6050

Life Sciences (Forensics), BS (ASLSCFBS)

Campus: WEST

Program Description: This concentration allows students interested in the life sciences to focus their courses of study on the field of forensics. Students pursuing this concentration will take a different, more forensics-relevant set of distribution courses than those students pursuing the current B.S. in life sciences. The concentration will prepare students interested in criminal forensics for 1) careers in forensic science, and 2) success in graduate and professional degree programs. Much of the required course work will be completed in chemistry or biology lab science course, to ensure that graduates of the program are competitive as they enter the workforce, pursue relevant careers (e.g., those in crime labs), and apply to graduate and professional degree programs.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: West campus. Students from Western states, who select this major and campus, may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (<http://students.asu.edu/admission/wue>).

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 210 - Brief Calculus

Career Opportunities: Graduates of this program will be able to pursue careers in forensics laboratories and in the research and development of new technologies in forensics. Graduates will be particularly competitive for positions in forensics laboratories because the concentration focuses heavily on chemistry and biology laboratory course work (areas that administrators and current employees in crime labs have reported are critically important). For example, as reliance upon DNA fingerprinting technologies increases, demand for forensic scientists trained in the requisite amounts of molecular biology will increase. The concentration also places focus on oral communication skills (e.g., through course work in argumentation, COM 222 or 422), which will prepare graduates for the multifaceted aspects of their careers in forensics (e.g., providing articulate and compelling expert testimony in criminal trials). Graduates of this program will also be well-positioned to enter graduate programs in forensics.

Contact Information:

Interdisciplinary Arts & Sciences, New College of
School of Mathematical and Natural Sciences
<http://newcollege.asu.edu/mns/>
CLCC 217
mns@asu.edu
602-543-6050

Life Sciences (Secondary Education), BA (ASLSCSBA)

Campus: WEST

Program Description: The intricate connections among biology, chemistry and physics form the basis of the life sciences curriculum. The B.A. program emphasizes interdisciplinary learning of the life and physical sciences, emphasizing the connectedness among disciplines. The concentration in secondary education allows students to apply for teaching credentials in Arizona as a highly qualified teacher.

Additional Program Fee: N

Second Language Requirement: N

Career Opportunities: Students have a wide variety of career options including: secondary school teaching, health professional programs, graduate school, laboratory research, science writing, environmental management and conservation, and science advisors to businesses and government.

Contact Information:

Interdisciplinary Arts & Sciences, New College of
School of Mathematical and Natural Sciences
<http://newcollege.asu.edu/mns/>
CLCC 318
mns@asu.edu
602-543-6050

Political Science, BA (ASPOLBA)

Campus: WEST

Program Description: Students gain understanding of theory, practice and policy underlying political processes, locally, nationally and internationally, in the B.A. in political science program. The degree trains students in research skills necessary for analysis of complex sociopolitical issues locally and globally. Course work is learner-centered in political theory, American political institutions, international relations and world affairs. This is a flexible program focusing on international, urban, and race/ethnic sociopolitical areas, internships, and service-learning/action research opportunities, with emphasis on intellectual and concrete policy issues in the greater Phoenix metropolitan area, Arizona, the Arizona-Mexico borderlands, the Americas and the world.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: West campus. Students from Western states, who select this major and campus, may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (<http://students.asu.edu/admission/wue>).

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 142 - College Mathematics

Transfer Agreements: ASU has partnered with the following institutions to enable you to do a seamless transfer:

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities: The political science curriculum provides a solid background for employment in a relevant profession and prepares students for graduate work in political science, social science disciplines, urban planning or in professional schools. The program serves as a good precursor to staff, manager or policy analyst positions in local, state and federal government. This degree is recognized as qualification for many careers in business (for-profit and nonprofit) and industry. Work may include binational, cross-border positions linking U.S. and Mexican businesses, Arizona-Sonora local government or local community groups on both sides of the border. Many students use the degree as a gateway to law school or basis for further study in such applied fields as:

- Community development.
- Public administration.
- Public policy.

- Urban affairs/urban and regional planning.

Contact Information:

Interdisciplinary Arts & Sciences, New College of
School of Social and Behavioral Sciences
<http://newcollege.asu.edu/sbs/degrees/politicalscience>
FAB S105
SBS.Dept@asu.edu
602-543-6058

Political Science, BS (ASPOLBS)

Campus: WEST

Program Description: Students gain understanding of theory, practice and policy underlying political processes, locally, nationally and internationally, in the B.S. in political science program. The degree trains students in research skills necessary for analysis of complex sociopolitical issues locally and globally. Course work is learner-centered in political theory, American political institutions, international relations and world affairs. This is a flexible program focusing on international, urban, race/ethnic sociopolitical areas, internships and service-learning/action research opportunities, with emphasis on intellectual and concrete policy issues in the greater Phoenix metropolitan area, Arizona, the Arizona-Mexico borderlands, the Americas and the world. The B.S. requires six more credit hours than the B.A.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: West campus. Students from Western states, who select this major and campus, may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (<http://students.asu.edu/admission/wue>).

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 142 - College Mathematics

Transfer Agreements: ASU has partnered with the following institutions to enable you to do a seamless transfer:
Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities: The political science curriculum provides a solid background for employment in a relevant profession and prepares students for graduate work in:

- Political science.
- Professional schools.
- Social science disciplines.
- Urban planning.

The program serves as a good precursor to staff, manager or policy analyst positions in local, state and federal government. This degree is recognized as qualification for many careers in business (for-profit and nonprofit) and industry. Work may include binational, cross-border positions linking U.S. and Mexican businesses, Arizona-Sonora local government or local community groups on both sides of the border. Many students use the degree as a gateway to law school or basis for further study in such applied fields as:

- Community development.
- Public administration.
- Public policy.
- Urban affairs.
- Urban and regional planning.

Contact Information:

Interdisciplinary Arts & Sciences, New College of
School of Social and Behavioral Sciences
<http://newcollege.asu.edu/sbs/degrees/politicalscience>
FAB S105
SBS.Dept@asu.edu
602-543-6058

Psychology, BA (ASPGSBA)

Campus: CALHC, ONLINE, WEST

Program Description: Psychology is the scientific study of the behavior and mental processes of individuals and groups. The diverse B.A. curriculum in psychology, within the New College of Interdisciplinary Arts and Sciences, consists of basic and applied courses covering multiple perspectives within the field, including clinical, cognitive systems/behavioral neuroscience, cross-cultural, developmental, organizational and social psychology. Courses are presented in the context of cultural, socio-historical and transnational issues, enabling the student to understand the relationship between psychology and other social and behavioral sciences. This program adds practical experiences to enrich study through service learning, internships and research with faculty members. Strong emphasis is placed on developing skills in critical thinking and reasoning, quantitative and qualitative research methods, and writing to round out preparation for a career or for graduate studies.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: West campus. Students from Western states, who select this major and campus, may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (<http://students.asu.edu/admission/wue>).

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 117 - College Algebra

Attend Online: ASU offers this program in a fully online format-no face-to-face sessions required. We offer six enrollment sessions throughout the year, and you learn in accelerated, 7.5-week classes. View the program description and request more information here. (<http://asuonline.asu.edu/degree-programs/undergraduate/bachelor-arts-psychology>)

Transfer Agreements: ASU has partnered with the following institutions to enable you to do a seamless transfer:

Arizona Western College (<http://transfer.asu.edu/az-western>)
Central Arizona College (<http://transfer.asu.edu/central-az>)
Coconino Community College (<http://transfer.asu.edu/coconino>)
Cochise College (<http://transfer.asu.edu/cochise>)
Eastern Arizona College (<http://transfer.asu.edu/eastern-az>)
Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)
Mohave Community College (<http://transfer.asu.edu/mohave>)
Northland Pioneer College (<http://transfer.asu.edu/northland-pioneer>)
Pima Community College (<http://transfer.asu.edu/pima>)
Yavapai College (<http://transfer.asu.edu/yavapai>)

Career Opportunities: A degree in psychology will prepare students for a career in:

- Government (e.g., sales and marketing, human resources management).
- Mental health professions (e.g., youth counselor, substance abuse counselor).
- Social services (e.g., high school psychology teacher, occupational analyst).

The degree also provides an excellent foundation for graduate study in fields such as public administration, law, family studies, communication and the various graduate programs in psychology:

- Clinical and counseling.
- Cognitive neuroscience.
- Developmental.
- Environmental.
- Experimental.
- Physiological.
- Social.

Contact Information:

Interdisciplinary Arts & Sciences, New College of
School of Social and Behavioral Sciences
<http://newcollege.asu.edu/sbs/degrees/psychology>
FAB S105
SBS.Dept@asu.edu
602-543-6058

Psychology, BS (ASPGSBS)

Campus: WEST

Program Description: Psychology is the scientific study of the behavior and mental processes of individuals and groups. The B.S. in psychology, within the New College of Interdisciplinary Arts and Sciences, consists of basic and applied courses covering multiple perspectives within the field, including clinical, cognitive systems/behavioral neuroscience, cross-cultural, developmental, organizational and social psychology. Courses are presented in the context of cultural, socio-historical and transnational issues, enabling the student to understand the relationship between psychology and other social and behavioral sciences.

This program adds practical experiences to enrich study through service learning, internships and research with faculty members. Strong emphasis is placed on developing skills in critical thinking and reasoning, quantitative and qualitative research methods, and writing to round out preparation for a career or graduate studies. The B.S. program is distinguished from the B.A. in that it requires two additional lab sciences (a life science and a physical science) and MAT 170 Precalculus.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: West campus. Students from Western states, who select this major and campus, may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (<http://students.asu.edu/admission/wue>).

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 170 - Precalculus

Transfer Agreements: ASU has partnered with the following institutions to enable you to do a seamless transfer:

Central Arizona College (<http://transfer.asu.edu/central-az>)

Cochise College (<http://transfer.asu.edu/cochise>)

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Mohave Community College (<http://transfer.asu.edu/mohave>)

Pima Community College (<http://transfer.asu.edu/pima>)

Career Opportunities: Students are prepared for careers in:

- Government (e.g., sales and marketing, human resources management).
- Mental health professions (e.g., youth counselor, substance abuse counselor).
- Social services (e.g., high school psychology teacher, occupational analyst).

The degree also provides an excellent foundation for graduate study in fields such as public administration, law, family studies, communication and the various graduate programs in psychology:

- Clinical and counseling.
- Cognitive neuroscience.
- Developmental.
- Environmental.
- Experimental.
- Physiological.
- Social.

Contact Information:

Interdisciplinary Arts & Sciences, New College of

School of Social and Behavioral Sciences

<http://newcollege.asu.edu/sbs/degrees/psychology>

FAB S105

SBS.Dept@asu.edu

602-543-6058

Religion & Applied Ethics Studies, BA (ASRELBA)

Campus: WEST

Program Description: Many people make ethical decisions in the context of their religious beliefs or worldviews. By combining the disciplines of religion and applied ethics studies, students are able to analyze problems more realistically. Students in the B.A. in religion and applied ethics studies program, within the New College of Interdisciplinary Arts and Sciences, learn the applicable religious contexts for understanding why people choose to live or respond to ethical issues as they do. They learn to identify moral problems developing in society, to develop the tools needed to formulate and critically evaluate various responses and to make careful and informed decisions about ethical matters in contemporary life. The program is capped with a thesis and internship experience.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: West campus. Students from Western

states, who select this major and campus, may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (<http://students.asu.edu/admission/wue>).

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 142 - College Mathematics

Transfer Agreements: ASU has partnered with the following institutions to enable you to do a seamless transfer:
Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities: Graduates can anticipate opportunities in the following fields, explored through required internships:

- Business.
- Criminal justice.
- Education.
- Government.
- Human resources.
- Law.
- Law enforcement.
- Media.
- Medicine.
- Religious organizations.
- Social services.

Contact Information:

Interdisciplinary Arts & Sciences, New College of
School of Humanities, Arts, and Cultural Studies
<http://newcollege.asu.edu/harcs/degrees/majors/religion>
FAB N201
harcs.dept@asu.edu
602-543-4444

Social and Behavioral Sciences, BA (ASSBSBA)

Campus: WEST

Program Description: The social and behavioral sciences curriculum provides an understanding of assumptions underlying the social and behavioral sciences, develops research skills necessary for analysis of complex social issues, offers a flexible program tailored to the career goals of the individual student, and offers individual and group experiences in working with faculty on concrete intellectual and policy issues. The core courses provide students a background suitable to helping them better understand psychological and social principles related to the behavior of individuals across multiple social contexts and institutions (e.g., family, community, society and culture).

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: West campus. Students from Western states, who select this major and campus, may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (<http://students.asu.edu/admission/wue>).

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 117 - College Algebra/142

Career Opportunities: The interdisciplinary degree is an excellent means toward creating a degree program that matches the individual's interests and fulfills many employers' expectations of a baccalaureate degree, namely that it should expose the student to a variety of outlooks and challenges. Such a degree will be competitive in most situations where the disciplinary social and behavioral degrees are accepted and is advantageous when seeking entry to broad professional programs such as regional planning or urban studies.

Contact Information:

Interdisciplinary Arts & Sciences, New College of
School of Social and Behavioral Sciences
<http://newcollege.asu.edu/sbs/degrees/sbs>
FAB N251
SBS.Dept@asu.edu
602-543-6058

Social and Behavioral Sciences, BS (ASSBSBS)

Campus: WEST

Program Description: The social and behavioral sciences curriculum provides an understanding of assumptions underlying the social and behavioral sciences; develops research skills necessary for analysis of complex social issues; offers a flexible program tailored to the career goals of the individual student; and offers individual and group experiences in working with faculty on concrete intellectual and policy issues. The core courses provide students a background suitable to helping them better understand psychological and social principles related to the behavior of individuals across multiple social contexts and institutions (e.g., family, community, society and culture).

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: West campus. Students from Western states, who select this major and campus, may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (<http://students.asu.edu/admission/wue>).

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 117 - College Algebra/142

Career Opportunities: The interdisciplinary degree is an excellent means toward creating a degree program that matches the individual's interests and fulfills many employers' expectations of a bachelor's degree, namely, that it should expose the student to a variety of outlooks and challenges. Such a degree will be competitive in most situations where the disciplinary social and behavioral degrees are accepted and is advantageous when seeking entry to broad professional programs such as regional planning or urban studies.

Contact Information:

Interdisciplinary Arts & Sciences, New College of

School of Social and Behavioral Sciences

<http://newcollege.asu.edu/sbs/degrees/sbs>

FAB S105

SBS.Dept@asu.edu

602-543-6058

Sociology, BA (ASSOCBA)

Campus: WEST

Program Description: The B.A. in sociology, within the New College of Interdisciplinary Arts and Sciences, provides an understanding of theory, practice and policy underlying the issues of social change, inequality and diversity, studying these from multiple perspectives, including race/ethnicity, gender, economic position, age, geographic location and position in the global political economy.

The program enhances students' understanding of 1) social realities and institutions at local, national and international levels, and 2) how sociology contributes to the other social sciences and to the humanities. Students gain a basic understanding of assumptions underlying the discipline of sociology and develop the research skills necessary for analysis of complex social issues. This is a flexible program, with opportunities to work collaboratively with faculty on concrete intellectual and policy issues.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: West campus. Students from Western states, who select this major and campus, may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (<http://students.asu.edu/admission/wue>).

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 142 - College Mathematics

Transfer Agreements: ASU has partnered with the following institutions to enable you to do a seamless transfer:

Arizona Western College (<http://transfer.asu.edu/az-western>)

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities: Graduates apply the sociological perspective to a wide variety of jobs in business, the health professions, the criminal justice system, social services and government. Course work in sociology provides a valuable preparation for careers in journalism, politics, public relations or public administration, all fields that involve investigative skills and an ability to work with diverse groups. Graduates with an advanced degree in sociology may become:

- Community developers.
- Criminologists.

- Demographers.
- Gerontologists.
- Research analysts.
- Statisticians.
- Survey researchers.
- Urban planners.

Contact Information:

Interdisciplinary Arts & Sciences, New College of
 School of Social and Behavioral Sciences
<http://newcollege.asu.edu/sbs/degrees/sociology>
 FAB S105
 SBS.Dept@asu.edu
 602-543-6058

Sociology, BS (ASSOCBS)

Campus: WEST

Program Description: The B.S. in sociology within the New College of Interdisciplinary Arts and Sciences provides an understanding of theory, practice, and policy underlying the issues of social change and of inequality and diversity, studying these from multiple perspectives, including race/ethnicity, gender, economic position, age, geographic location and position in the global political economy. The program enhances students' understanding of 1) social realities and institutions at local, national and international levels, and 2) how sociology contributes to the other social sciences and to the humanities. Students gain basic understanding of assumptions underlying the discipline of sociology and develop the research skills necessary for analysis of complex social issues. The B.S. program requires six more credit hours of methods courses (both qualitative and quantitative) than the B.A. This is a flexible program with individual and group experiences in working with faculty on concrete intellectual and policy issues.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: West campus. Students from Western states, who select this major and campus, may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (<http://students.asu.edu/admission/wue>).

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 142 - College Mathematics

Transfer Agreements: ASU has partnered with the following institutions to enable you to do a seamless transfer:
 Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities: Graduates apply the sociological perspective to a wide variety of jobs in business, the health professions, the criminal justice system, social services and government. A valuable preparation for careers in journalism, politics, public relations or public administration, all fields that involve investigative skills and an ability to work with diverse groups. Graduates with an advanced degree in sociology may become:

- Community developers.
- Criminologists.
- Demographers.
- Gerontologists.
- Research analysts.
- Statisticians.
- Survey researchers.
- Urban planners.

Contact Information:

Interdisciplinary Arts & Sciences, New College of
 School of Social and Behavioral Sciences
<http://newcollege.asu.edu/sbs/degrees/sociology>
 FAB S105
 SBS.Dept@asu.edu
 602-543-6058

Spanish, BA (ASSPABA)

Campus: WEST

Program Description: The B.A. in Spanish program, within the New College of Interdisciplinary Arts and Sciences, emphasizes Spanish language, literature and culture, all of which are integrated within the discipline and other disciplines within the college.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: West campus. Students from Western states, who select this major and campus, may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (<http://students.asu.edu/admission/wue>).

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 142 - College Mathematics

Transfer Agreements: ASU has partnered with the following institutions to enable you to do a seamless transfer:

Central Arizona College (<http://transfer.asu.edu/central-az>)

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities: The Spanish program offers excellent preparation for graduate school or for employment as a teacher in the elementary or secondary school system, especially in those districts where bilingual programs are integral to the curricula. Outside the education system, students majoring in Spanish can find employment as translators and interpreters in:

- Diplomatic corps.
- Federal and state court.
- Law enforcement agencies.
- Law firms.
- Social agencies.

The business world also provides employment for those fluent in Spanish. This is especially true in the Southwest, with its proximity to Mexico, and through new outlets opened by the tri-national North American Free Trade Agreement.

Contact Information:

Interdisciplinary Arts & Sciences, New College of

School of Humanities, Arts, and Cultural Studies

<http://newcollege.asu.edu/harcs/degrees/majors/spanish>

FAB N201

harcs.dept@asu.edu

602-543-4444

Statistics, BS (ASSTABS)

Campus: WEST

Program Description: The B.S. in statistics prepares students for entry level positions as statisticians and for graduate training in statistics and related fields. Statistics is the science of collection, description, analysis and interpretation of data from experiments or surveys. Statisticians help to make decisions and solve problems in the face of uncertainty, using the limited data available from an experiment or survey. Because the use of statistical methods is common in all areas of business, government, natural and social sciences, the demand for individuals with all levels of statistical training is great.

The program encompasses theoretical and applied statistics, as well as the requisite foundations in mathematics and computing. The emphasis is on the more practical and applied aspects of statistics. Graduates of this program are equipped to utilize statistical techniques to explore interdisciplinary topics that span disciplines. These unique features emphasize the interdisciplinary nature of statistics and prepare graduates for employment as entry-level statisticians or for graduate school.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: West campus. Students from Western states, who select this major and campus, may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (<http://students.asu.edu/admission/wue>).

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 270 - Calculus w/Analytic Geometry I

Career Opportunities: Statisticians are in high demand in many areas of industry, government and academia. Some areas with particularly high demand include pharmaceutical, medical, manufacturing and financial jobs.

Contact Information:

Interdisciplinary Arts & Sciences, New College of
School of Mathematical and Natural Sciences
<http://newcollege.asu.edu/mns/>
CLCC 217
mns@asu.edu
602-543-6050

Women and Gender Studies, BA (ASWSTBA)

Campus: WEST

Program Description: The B.A. in women and gender studies, within the New College of Interdisciplinary Arts and Sciences, is an interdisciplinary program emphasizing intersectional approaches to the study of gender, race, class, ethnicity and sexuality in national and transnational contexts. Consistent with the university's design imperatives of social embeddedness and use-inspired research, the program's course offerings, research initiatives and co-curricular programs further the understanding of women and gender and promote social justice.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: West campus. Students from Western states, who select this major and campus, may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (<http://students.asu.edu/admission/wue>).

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 142 - College Mathematics

Transfer Agreements: ASU has partnered with the following institutions to enable you to do a seamless transfer:
Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities: The women and gender studies program builds a solid educational foundation, providing knowledge and critical thinking skills needed to deal with changing gender roles in society. The program also prepares students for opportunities in many settings:

- Business and professional schools.
- Education and training.
- Graduate study in the humanities and social sciences.
- Health care services.
- Human resources development.
- Public and business administration.
- Social services.

Contact Information:

Interdisciplinary Arts & Sciences, New College of
School of Humanities, Arts, and Cultural Studies
<http://newcollege.asu.edu/harcs/degrees/majors/womenstudies>
FAB N201
harcs.dept@asu.edu
602-543-4444

Women and Gender Studies, BS (ASWSTBS)

Campus: WEST

Program Description: The B.S. in women and gender studies, within the New College of Interdisciplinary Arts and Sciences, is an interdisciplinary program emphasizing intersectional approaches to the study of gender, race, class, ethnicity and sexuality in national and transnational contexts. Consistent with the university's design imperatives of social embeddedness and use-inspired research, the program's course offerings, research initiatives and co-curricular programs further the understanding of women and gender and promote social justice. The B.S. program is distinguished by its quantitative emphasis.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: West campus. Students from Western states, who select this major and campus, may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (<http://students.asu.edu/admission/wue>).

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 142 - College Mathematics

Career Opportunities: The women and gender studies program builds a solid educational foundation, providing knowledge and critical thinking skills needed to deal with changing gender roles in society. The program also prepares students for opportunities in many settings:

- Business and professional schools.
- Education and training.
- Graduate study in the humanities and social sciences.
- Health care services.
- Human resources development.
- Public and business administration.
- Social services.

Contact Information:

Interdisciplinary Arts & Sciences, New College of
School of Humanities, Arts, and Cultural Studies
<http://newcollege.asu.edu/harcs/degrees/majors/womenstudies>
FAB N201
harcs.dept@asu.edu
602-543-4444

Journalism & Mass Communication, Walter Cronkite School of

Journalism & Mass Communication, BA (CSJMCBA)

Campus: DTPHX

Program Description: The Walter Cronkite School of Journalism and Mass Communication, named in honor of legendary CBS news anchor Walter Cronkite, is one of the largest and most successful professional journalism schools in the country. Students study print and online journalism, broadcast journalism, or strategic media/public relations, leading to a B.A. in journalism and mass communication. The Cronkite school is located at the ASU at the Downtown Phoenix campus, in the heart of the 13th largest media market in the U.S. The school features state-of-the-art computer labs, editing suites, production studios and classrooms dedicated to journalism education.

Additional Program Fee: Y

Second Language Requirement: Y

First Required Math Course: MAT 142 - College Mathematics

Admission Requirements: The Bachelor of Arts in journalism and mass communication degree program has higher admission requirements and an application deadline of Feb. 1 for fall. Students should select a second choice major on the application. All applicants will be reviewed by the school. Those who are not admitted to the Cronkite School will, if eligible, be admitted to their second choice major. Freshman applicants must meet all of the following standards:

- Have a 3.00 (4.00 = A) ABOR GPA.
- Have no English competency deficiencies.
- 1040 SAT Reasoning or 22 ACT score.
- TOEFL score of 600 (paper-based) or 100 (internet-based).
- IELTS score of 7.0.
- PTE score of 73.

Transfer students (with 12 or more transfer hours after high school graduation) are required to have a cumulative transfer GPA of 3.00 or higher and no English competency deficiencies. Transfer students should contact the school for additional steps after admission to ASU. For more information regarding transfer admission see http://cronkite.asu.edu/undergrad/xfer_major_change.php (http://cronkite.asu.edu/undergrad/xfer_major_change.php).

Career Opportunities: Walter Cronkite School of Journalism and Mass Communication graduates work for:

- Corporate communication divisions.
- Magazines.
- Newspapers, radio and television stations.
- Online services.

- Public relations firms.

Positions include reporters, editors, photojournalists, writers and media managers.

Contact Information:

Journalism & Mass Communication, Walter Cronkite School of
Walter Cronkite School of Journalism & Mass Comm
<http://cronkite.asu.edu>
CRONK 222
cronkiteadvising@asu.edu
602-496-5055

Letters & Sciences, School of

Applied Science (Technical Communication), BAS (LSTECBAS)

Campus: POLY

Program Description: The B.A.S. is a flexible degree plan designed specifically for students who have earned an A.A.S. from a regionally accredited institution. This major combines the technical experience gained in the student's associate degree program with a broader education of management, leadership, critical thinking and communication skills.

Technical communication is applied workplace communication that makes technical information understandable and available to many audiences. In the technical communication concentration, students learn how to produce, design and manage information using both traditional and developing technologies.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Polytechnic campus. Students from Western states, who select this major and campus, may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (<http://students.asu.edu/admission/wue>).

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 142 - College Mathematics

Admission Requirements: Students applying to this program must have completed an Associate of Applied Science (A.A.S.) degree from a regionally accredited institution. Not available for freshmen.

Career Opportunities: The Bureau of Labor Statistics estimates the need for writers and editors will increase by 25 percent during the next five years. Software and electronics companies, media corporations, financial institutions, government agencies, nonprofits and other areas will see an increased demand for writers. Students in the program will prepare for careers as:

- Desktop publishers.
- Information designers.
- Multimedia designers.
- Publications managers.
- Technical editors.
- Technical writers.

Contact Information:

Letters & Sciences, School of
School of Letters and Sciences
<http://sls.asu.edu/>
SANCA 233
sls@asu.edu
480-727-1526

Communication, BA (LSCOMBA)

Campus: DTPHX, POLY

Program Description: The B.A. in communication focuses on teaching students how communication processes create, maintain and transform identities, relationships, workplaces and communities. Our mission statement is: Through the study and critique of human communication, we generate knowledge, creativity and understanding to facilitate healthy relationships and workplaces, civil and secure communities, and constructive

intercultural interaction.

Additional Program Fee: N

Second Language Requirement: Y

First Required Math Course: MAT 142 - College Mathematics

Transfer Agreements: ASU has partnered with the following institutions to enable you to do a seamless transfer:

Central Arizona College (<http://transfer.asu.edu/central-az>)

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities: Graduates of our program often attend leading graduate schools in communication, law schools and business schools, or find gainful employment in careers in areas of:

- Campaign management.
- Counseling.
- Criminal justice.
- Entrepreneurism.
- Event planning.
- Health care management.
- Human resource management.
- Intercultural relations.
- Marketing.
- Mediation.
- Nonprofit management.
- Public relations.
- Public service.
- Sales.

Contact Information:

Letters & Sciences, School of

School of Letters and Sciences

<http://sls.asu.edu/>

UCENT 300

sls@asu.edu

602-496-4000

English, BA (LSENGBA)

Campus: POLY

Program Description: The B.A. in English focuses on effective writing, critical thinking and sophisticated reading of literary and non-literary texts. Our faculty teach courses in English, American and world literature, from the Classical period to the present; creative and academic writing; and American and international film. We also offer internships in online publishing through our acclaimed online literary journal Superstition Review.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Polytechnic campus. Students from Western states, who select this major and campus, may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (<http://students.asu.edu/admission/wue>).

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 142 - College Mathematics

Admission Requirements:

Transfer Agreements: ASU has partnered with the following institutions to enable you to do a seamless transfer:

Arizona Western College (<http://transfer.asu.edu/az-western>)

Central Arizona College (<http://transfer.asu.edu/central-az>)

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities: The B.A. in English prepares scholars and teachers for graduate or professional study and for careers in education, writing and other related fields. Career prospects for secondary language arts teachers in Arizona are particularly strong. More importantly, students in the program will develop skills that employers value, such as analyzing ideas and problems, finding and evaluating information, communicating effectively, and presenting clear and logical arguments. With these skills, graduates of the program can find jobs in:

- Creative and technical writing.
- Editing.
- Financial services.
- Government.
- Health care.
- Lobbying.
- Marketing.
- Nonprofit organizations.
- Program management.
- Public relations.
- Reporting.
- Social work.

Contact Information:

Letters & Sciences, School of
 School of Letters and Sciences
<http://sls.asu.edu/>
 SANCA 233
 sls@asu.edu
 480-727-1526

General Studies, BGS (LSGNSBGS)

Campus: CALHC, DTPHX

Program Description: The Bachelor of General Studies offers students a flexible, innovative path to degree completion. Graduates of the program will be informed and effective members of society, who are well-prepared for a changing global marketplace with its diverse cultures. The theme of this degree, offered by the School of Letters and Sciences on the Downtown Phoenix campus, is "Society and the Individual." Students will explore the tensions between individualism and collectivism, the public and private self, and the interplay of culture and identity.

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 142 - College Mathematics

Transfer Agreements: ASU has partnered with the following institutions to enable you to do a seamless transfer:

Arizona Western College (<http://transfer.asu.edu/az-western>)

Mohave Community College (<http://transfer.asu.edu/mohave>)

Career Opportunities: General studies majors have the option of working in almost any field that requires effective interaction with others, from sales to social services, organizational management to government administration. Graduates will be equipped with transferable skills highly desired by many employers; therefore, a wide array of job choices is available. The B.G.S. creates great flexibility in career choice because of the versatility within the program.

Graduates may choose to enter one of the areas for which their cluster prepares them, including but not limited to:

- Advertising.
- Corporate communications.
- Government sectors.
- The helping professions.
- Higher education.
- Hospitality.
- Marketing.
- Media.
- Nonprofit administration.
- Sales.
- Tourism.

Contact Information:

Letters & Sciences, School of
 School of Letters and Sciences
<http://sls.asu.edu/>
 UCENT 300
 sls@asu.edu

602-496-4000

History, BA (LSHISBA)

Campus: POLY

Program Description: The B.A. in history focuses on American and European history, with a special emphasis on the history of the Southwest, environmental history and related fields. Students are trained in methods of historical research and study the development of human society from social, cultural, political and economic perspectives.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Polytechnic campus. Students from Western states, who select this major and campus, may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (<http://students.asu.edu/admission/wue>).

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 142 - College Mathematics

Transfer Agreements: ASU has partnered with the following institutions to enable you to do a seamless transfer:

Cochise College (<http://transfer.asu.edu/cochise>)

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities: The B.A. in history prepares scholars and teachers for graduate and professional student and careers in education, writing and other related fields. Career prospects for secondary history and social studies teachers in Arizona are particularly strong. Students in the program develop skills in:

- Analyzing ideas and problems.
- Communicating effectively.
- Finding and evaluating information.
- Presenting clear and logical arguments.

With these skills, graduates of this program can find jobs in:

- Archiving.
- Curating.
- Government.
- Lobbying.
- Museum management.
- Program management.
- Public policy.
- Social work.
- With nonprofit organizations.

The degree also prepares students to continue in graduate and professional programs.

Contact Information:

Letters & Sciences, School of
School of Letters and Sciences
<http://sls.asu.edu/>
SANCA 233
sls@asu.edu
480-727-1526

Interdisciplinary Studies, BIS (LSBISBIS)

Campus: DTPHX, ONLNE, POLY, TEMPE, WEST

Program Description: The Bachelor of Interdisciplinary Studies degree is one of the highest quality and best recognized interdisciplinary studies degree programs in the nation, ranking in the top five programs. It offers students the freedom to select two concentration areas from a rich menu of more than 140 possibilities (see concentration checksheets (<https://sls.asu.edu/node/299>)), and it enables students to integrate those areas into a degree with interdisciplinary breadth, intellectual cohesion and practical value. The core curriculum provides students the intellectual tools needed to integrate their concentration areas, engage in interdisciplinary problem solving and prepare for careers and graduate programs that increasingly cross disciplinary boundaries.

Selecting from among the 140 academic areas, an interdisciplinary studies student could choose to integrate entertainment technology and

business, applied psychology and social welfare, communication and justice studies, public administration and ethics, kinesiology and computer gaming or countless other unique combinations.

Interdisciplinary studies is an approach to answering questions, solving problems and addressing contemporary social issues from multiple perspectives. Interdisciplinary studies students develop the intellectual tools needed to build bridges between academic disciplines and to apply their skills, innovations and knowledge in various academic and practical settings. Interdisciplinary studies students take an active role in designing their educational plans and defining their career goals. The degree emphasizes written communication, versatility, self-assessment and critical thinking-essential skills for navigating today's dynamic world.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Polytechnic campus. Students from Western states, who select this major and campus, may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (<http://students.asu.edu/admission/wue>).

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 142 - College Mathematics

Admission Requirements: The B.I.S. program is available to all students in good academic standing who have achieved sophomore, junior or senior standing. Students must complete the online B.I.S. cyber workshop (found in student resources at <http://sls.asu.edu/ils/> (<http://sls.asu.edu/ils/>)) prior to meeting with an advisor to declare their major as interdisciplinary studies.

Attend Online: ASU offers this program in a fully online format-no face-to-face sessions required. We offer six enrollment sessions throughout the year, and you learn in accelerated, 7.5-week classes. View the program description and request more information here. (<http://asuonline.asu.edu/degree-programs/undergraduate/bachelor-interdisciplinary-studies>)

Transfer Agreements: ASU has partnered with the following institutions to enable you to do a seamless transfer:
Coconino Community College (<http://transfer.asu.edu/coconino>)
Mohave Community College (<http://transfer.asu.edu/mohave>)

Career Opportunities: Because of the flexibility of the Interdisciplinary Studies degree, graduates take many different career paths after leaving ASU. One graduate combined business and communication and now owns a small business; another integrated sociology and family studies to further a career in law enforcement; another studied philosophy and economics to prepare for law school; another combined biology and chemistry in preparation to pursue a master of pharmacy degree; yet another studied Spanish and religious studies and now works as an employee trainer for a major company.

Contact Information:

Letters & Sciences, School of
School of Letters and Sciences
<http://sls.asu.edu/>
UASB 129
bis@asu.edu
480-965-4464

Interdisciplinary Studies (Organizational Studies), BIS (LSORGBIS)

Campus: EAC, ONLNE

Program Description: Interdisciplinary studies is an approach to answering questions, solving problems and addressing contemporary social issues from multiple perspectives. Interdisciplinary students develop the intellectual tools needed to build bridges between academic disciplines and apply their skills, innovations and knowledge in various academic and practical settings. The B.I.S. in Organizational Studies is intended for students seeking an interdisciplinary degree and possessing a desire to learn about the dynamics of contemporary organizations. Via the organizational studies curriculum, students gain valuable knowledge of management styles, communication strategies, technologies, diversity, ethics and politics. All course work for organizational studies is offered online, giving students freedom and flexibility in completing their requirements. By engaging in a breadth of knowledge and experience, and by acquiring the skills to integrate various domains of knowledge, students prepare themselves for careers in:

- Business.
- Government.
- Health care administration.
- Nonprofit agencies.
- Service industry.

Many organizational studies students already have a chosen career field, yet desire a degree that is versatile, flexible, meaningful and that affords the opportunity for continued career development and advancement.

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 142 - College Mathematics

Attend Online: ASU offers this program in a fully online format-no face-to-face sessions required. We offer six enrollment sessions throughout the year, and you learn in accelerated,7.5-week classes. View the program description and request more information here.
(<http://asuonline.asu.edu/degree-programs/undergraduate/bachelor-interdisciplinary-studies-organizational-studies>)

Transfer Agreements: ASU has partnered with the following institutions to enable you to do a seamless transfer:

Arizona Western College (<http://transfer.asu.edu/az-western>)

Central Arizona College (<http://transfer.asu.edu/central-az>)

Coconino Community College (<http://transfer.asu.edu/coconino>)

Cochise College (<http://transfer.asu.edu/cochise>)

Eastern Arizona College (<http://transfer.asu.edu/eastern-az>)

Mohave Community College (<http://transfer.asu.edu/mohave>)

Northland Pioneer College (<http://transfer.asu.edu/northland-pioneer>)

Pima Community College (<http://transfer.asu.edu/pima>)

Yavapai College (<http://transfer.asu.edu/yavapai>)

Career Opportunities: Because of the flexibility of the B.I.S. program, organizational studies graduates take many different career paths after finishing their degree. Recent graduates have found opportunities in education, business, health care administration, nonprofit administration, tourism and many other exciting fields.

Contact Information:

Letters & Sciences, School of

School of Letters and Sciences

<http://sls.asu.edu/>

SANCA 233

sls@asu.edu

480-727-1526

Liberal Studies, BLS (LABLSBLS)

Campus: ONLNE

Program Description: The Bachelor of Liberal Studies program helps to address student interests in a broad array of disciplines and subject matter. The program aims to provide students with the grounding to use knowledge in a manner that will help them to become more successful thinkers, decision makers and leaders. The liberal studies core classes are designed to promote both critical and creative thinking as students learn how to draw upon diverse disciplinary perspectives and modes of inquiry, help in the development of communication skills and support efforts toward professional career development.

Students majoring in liberal studies have become part of an international movement in higher education. This movement has proven empowering to people who are given the flexibility to explore multiple interests or approach a particular interest from various perspectives. Students are not alone in their chosen path. In fact, our Bachelor of Liberal Studies program is just one of hundreds of similar programs offered in colleges and universities across the nation. Liberal studies courses emphasize:

- Critical analysis.
- Flexibility and creativity.
- Group collaboration.
- Information literacy.
- Integrative thinking.
- Written communication.

For more information on eligibility requirements, visit the school website.

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 142 - College Mathematics

Admission Requirements:

Attend Online: ASU offers this program in a fully online format-no face-to-face sessions required. We offer six enrollment sessions throughout the year, and you learn in accelerated,7.5-week classes. View the program description and request more information here.
(<http://asuonline.asu.edu/degree-programs/undergraduate/bachelor-liberal-studies>)

Career Opportunities: The program shares with all other liberal arts and science degrees the goal of developing analytical and communicative

abilities. The program offers breadth of learning in an online setting. The liberal studies degree is transdisciplinary, providing students a "thematic" approach to education. Liberal studies graduates are prepared to enter the work force or pursue graduate or professional studies.

Contact Information:

Letters & Sciences, School of
School of Letters and Sciences
<http://sls.asu.edu/>
SANCA 233
BLS@asu.edu
480-727-1526

Science, Technology and Society, BS (ECSTSBS)

Campus: POLY

Program Description: Questions surrounding the interaction of science, technology and human systems are highly interdisciplinary and cultural, requiring analytical techniques that transcend space and time. Thus, the science, technology and society program stresses the need to step outside both disciplinary and cultural boxes in pursuit of knowledge. Accordingly, the program is heavy on cultural and information literacy and critical thinking. The primary goal is to produce generalists who understand the intricate interrelationship of science, technology and society and are armed with the technical skills to change their environment. The following three tracks are available:

- General science, technology and society.
- Global technology and development.
- Science, technology and governance.

Students can use the general STS track to design targeted programs of their choosing, including pre-med and pre-law.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Polytechnic campus. Students from Western states, who select this major and campus, may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (<http://students.asu.edu/admission/wue>).

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 142 - College Mathematics

Career Opportunities: The bachelor's degree in science, technology and society prepares professionals and scholars for careers in the 21st-century world focusing primarily, but not exclusively, on the interaction of science and technology with human systems. The focus of the program is on developing the technical skills required to audit the social, political and policy impact of technological advancement, and the competence required to navigate questions surrounding the future trajectory of science and technology. Graduates are prepared for graduate or professional study, or professional careers in:

- Business.
- Education.
- Government.
- Law.
- Nonprofit organizations.

Contact Information:

Letters & Sciences, School of
School of Letters and Sciences
<http://sls.asu.edu/>
SANCA 233
sls@asu.edu
480-727-1526

Technical Communication, BS (LSTECBS)

Campus: ONLNE, POLY

Program Description: The B.S. in technical communication is the only undergraduate technical communication degree program available in the state of Arizona. Technical communication is applied workplace communication that makes technical information understandable and available to many audiences. In the technical communication program, students learn how to produce, design and manage information using traditional and developing technologies.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Polytechnic campus. Students from Western states, who select this major and campus, may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (<http://students.asu.edu/admission/wue>).

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 142 - College Mathematics

Attend Online: ASU offers this program in a fully online format-no face-to-face sessions required. We offer six enrollment sessions throughout the year, and you learn in accelerated, 7.5-week classes. View the program description and request more information here.

(<http://asuonline.asu.edu/degree-programs/undergraduate/bachelor-science-technical-communication>)

Transfer Agreements: ASU has partnered with the following institutions to enable you to do a seamless transfer:

Arizona Western College (<http://transfer.asu.edu/az-western>)

Central Arizona College (<http://transfer.asu.edu/central-az>)

Coconino Community College (<http://transfer.asu.edu/coconino>)

Cochise College (<http://transfer.asu.edu/cochise>)

Eastern Arizona College (<http://transfer.asu.edu/eastern-az>)

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Mohave Community College (<http://transfer.asu.edu/mohave>)

Northland Pioneer College (<http://transfer.asu.edu/northland-pioneer>)

Pima Community College (<http://transfer.asu.edu/pima>)

Yavapai College (<http://transfer.asu.edu/yavapai>)

Career Opportunities: The Bureau of Labor Statistics estimates the need for writers and editors will increase by 25 percent during the next five years. Software and electronics companies, media corporations, financial institutions, government agencies, nonprofits, and other areas will see an increased demand for writers. Students in the program will prepare for careers as:

- Desktop publishers.
- Information designers.
- Multimedia designers.
- Publications managers.
- Technical editors.
- Technical writers.

Contact Information:

Letters & Sciences, School of

School of Letters & Sciences

<http://sls.asu.edu/>

SANCA 233

sls@asu.edu

480-727-1526

Liberal Arts & Sciences, College of

African & African American Studies, BA (LAAFRBA)

Campus: TEMPE

Program Description: African and African American studies (AAAS) is an interdisciplinary B.A. program that focuses on people of African descent throughout the world and the diversity of past and present experiences of those who live in:

- Africa.
- Central America.
- South America.
- The Caribbean.
- The United States.

As an institutional program, AAAS is structured to:

- Combine knowledge of the African diaspora with intellectual and practical training in specific areas to create more effective communities and global partnerships.
- Prepare students of all ethnicities to better understand, value and more effectively participate in our increasingly diverse society.
- Provide students with a foundation for advanced studies in such fields/professions as history, English, sociology, political science, communications, arts, public administration, law, psychology, social work, education and business.

Additional Program Fee: N

Second Language Requirement: Y

First Required Math Course: MAT 142 - College Mathematics

Transfer Agreements: ASU has partnered with the following institutions to enable you to do a seamless transfer:
Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities: Because of its emphasis on various social aspects and groups, AAAS provides students with practical applications useful for various workplaces. The minor requirement of AAAS helps students develop cultural sensitivity and prepares them for careers in:

- Administration.
- Advertising.
- Business.
- Counseling.
- Education.
- Human resources.
- International relations.
- Journalism.
- Justice.
- Management.
- Travel.

Our program prepares students for work in:

- Civil rights organizations.
- Colleges and universities.
- Corporations.
- Government agencies.
- Hotel chains.
- The insurance industry.
- Law firms.
- Libraries.
- Museums.
- Nonprofit organizations.
- Political action groups.
- Public relation firms.
- Research organizations.
- Sales departments.
- Social service agencies.
- The Peace Corps.
- Travel agencies.

Contact Information:

Liberal Arts & Sciences, College of
School of Social Transformation
<http://aaas.clas.asu.edu/>
WILSN 125
aframstu@asu.edu
480-965-7682

American Indian Studies, BS (LAAISBS)

Campus: TEMPE

Program Description: The B.S. in American Indian studies provides students with unique opportunities to evaluate issues of American Indian nations within a domestic and international context. The B.S. in American Indian studies encompasses two areas of emphasis, 1) legal, policy and community and economic development, and 2) arts, languages and culture. The American Indian Studies Program is committed to broadening the

knowledge of students interested in the histories, languages, cultures, arts and contemporary situations of American Indian nations and people. The program is designed to protect the integrity and identity of the indigenous populations of North America and to create a learning environment conducive to critical and creative thought.

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 142 - College Mathematics

Transfer Agreements: ASU has partnered with the following institutions to enable you to do a seamless transfer:

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities: American Indian Studies graduates will be qualified to fill positions at the tribal government, state, federal and private levels. Graduates can advance to graduate school or can pursue professional careers in such fields as government service or public service. For example, federal and tribally operated schools located in remote areas within Indian Country have high turnover rates for both teachers and staff. American Indian Studies graduates should be available to help fill these positions. Furthermore, the federal government, a major employer on many reservations across the country, is in need of qualified people who are knowledgeable of Indian cultures, laws and policies. Additionally, many American Indian nations' economies and infrastructures are developing at a rapid pace, and they are in continuous need to fill mid-management and management-level positions.

Contact Information:

Liberal Arts & Sciences, College of
American Indian Studies Program
<http://americanindian.clas.asu.edu/>
DHALL 356
AIS@asu.edu
480-965-3634

Anthropology, BA (LAASBBA)

Campus: TEMPE

Program Description: The B.A. program in anthropology gives students an opportunity to learn how and why humans evolved and how our evolutionary biological, social and cultural trajectories help us understand the meaning of being human in past, present and future environments. Anthropology helps students develop strong critical thinking and oral and written expression skills, important to success in many careers areas. Anthropology majors learn how to use the scientific method to formulate and test hypotheses and gather qualitative and quantitative data through participant observation, interviewing, ethnographic study, careful excavation and measurement. They also learn how to employ statistics to analyze and extract meaning from data.

A special feature of the ASU anthropology program is its relevance to other disciplines and many exciting hands-on learning opportunities through laboratories, study abroad and field-based courses.

Additional Program Fee: N

Second Language Requirement: Y

First Required Math Course: MAT 142 - College Mathematics

Transfer Agreements: ASU has partnered with the following institutions to enable you to do a seamless transfer:

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities: The demand in the job market for people with an anthropology background is stimulated by a growing need for researchers and analysts with keen thinking skills who can manage, evaluate and interpret the large amounts of data. As the many spheres of human interaction expand globally, people trained in anthropology will increasingly be sought for their broad, holistic knowledge and perspective of understanding, which are the hallmarks of anthropology. Some career opportunities include:

- Acting as legal advocates in international cases.
- Analyzing and proposing policies.
- Consulting for private and public organizations.
- Curating cultural resources.
- Directing programs in the private or public sector.
- Directing nonprofit organizations.
- Modeling infectious diseases.
- Planning communities.
- Postgraduate academic research and teaching.
- Professional employment in heritage (cultural resource) management in private or public sectors.
- Providing health care as nurses, doctors or public or global health professionals.

Contact Information:

Liberal Arts & Sciences, College of
School of Human Evolution & Social Change
http://shesc.asu.edu/undergraduate_studies
SHESC 233
shesc.undergrad@asu.edu
480-965-6215

Anthropology, BS (LAASBBS)

Campus: TEMPE

Program Description: The B.S. program in anthropology gives students an opportunity to master anthropological or anthropologically-relevant knowledge and skills through applications of the scientific method and quantitative methodologies. Anthropology is the study of how and why humans evolved and how our evolutionary biological, social and cultural trajectories help us understand the meaning of being human in past, present and future environments. Through core and elective courses, the B.S. in anthropology program allows students to explore problems that may require the use of theories and methods from diverse disciplines, including biology, global health, applied mathematics, psychology, economics, sociology, medicine, law and engineering. Anthropology provides many exciting, hands-on learning opportunities through laboratories, study abroad, and field-based courses.

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 170 - Precalculus

Career Opportunities: The demand in the job market for people with an anthropology background is stimulated by a growing need for researchers and analysts with keen thinking skills who can manage, evaluate and interpret the large amounts of data. As the many spheres of human interaction expand globally, people trained in anthropology will increasingly be sought for their broad, holistic knowledge and perspective of understanding, which are the hallmarks of anthropology. Some career opportunities include:

- Acting as legal advocates in international cases.
- Analyzing and proposing policies.
- Consulting for large and small private and public organizations.
- Curating cultural resources.
- Directing programs in the private or public sector.
- Directing nonprofit organizations.
- Modeling infectious diseases.
- Planning communities.
- Postgraduate academic research and teaching.
- Professional employment in heritage (cultural resource) management in private or public sectors.
- Providing health care as nurses, doctors or public or global health professionals.

Contact Information:

Liberal Arts & Sciences, College of
School of Human Evolution & Social Change
http://shesc.asu.edu/undergraduate_studies
SHESC 233
shesc.undergrad@asu.edu
480-965-6215

Applied Mathematics for Life and Social Sciences, BS (LAAMLBS)

Campus: TEMPE

Program Description: The B.S. in applied mathematics for the life and social sciences is a challenging and exciting curriculum that investigates and integrates complex areas of the physical, life and social sciences while preparing a new generation of students in mathematics. A primary objective of this program is for students to develop critical thinking skills and purposeful competencies in mathematics, as well as an appreciation for the contributions of mathematics to the fields of sciences, engineering, business, government and economics. Students learn how to use theories and techniques such as mathematical modeling and computational methods to resolve practical real-world problems. The course work is directed toward an understanding of mathematical theory and its relation to other fields of studies. Emphasis is placed on precision of definition, reasoning to accurate conclusions, and analyzing and developing solutions to problems using mathematical principles.

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 270 - Calculus w/Analytic Geometry I

Transfer Agreements: ASU has partnered with the following institutions to enable you to do a seamless transfer:

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities: The B.S. in applied mathematics for the life and social sciences provides students entering the environmental, life, health, mathematical and social science fields the quantitative, scientific and analytical skills that are critical, but still lacking for professionals working in these areas.

The need for quantitatively trained scientists and professionals in the life and social sciences is strong in Arizona and the nation. This degree's applied use of mathematics, modeling, statistics and simulation methodologies are in high demand and provide excellent training for future academics and professionals in industries including:

- Astrophysics.
- Biostatistics.
- Chemical engineering.
- Communications.
- Computational biology.
- Computer animation.
- Data mining.
- Demography.
- Digital and medical imaging.
- E-commerce.
- Education.
- Forensics.
- Genomics.
- Informatics and complex systems research.
- Materials science.
- Neuroscience.
- Pharmaceutical engineering.
- Political science.
- Public health.
- Risk management.
- Security and military.
- Social network analysis.

Contact Information:

Liberal Arts & Sciences, College of
School of Human Evolution & Social Change
http://shesc.asu.edu/undergraduate_studies
SHESC 233
shesc.undergrad@asu.edu
480-965-6215

Asia Studies (East Asia), BA (LAHSTEABA)

Campus: TEMPE

Program Description: The B.A. in Asia studies offers students the opportunity to study East Asia, South Asia or Southeast Asia in depth through a coherent concentration of academic study across a number of disciplines. The interdisciplinary approach will prepare students to deploy a variety of intellectual tools to address contemporary political, social and cultural issues in Asia and to apply their knowledge in various academic and practical settings. Students will identify which concentration (East, South or Southeast Asia) they will pursue.

The concentration in East Asia focuses on:

- China.
- Japan.
- Korea.
- Taiwan.

Additional Program Fee: N

Second Language Requirement: Y

First Required Math Course: MAT 142 - College Mathematics

Transfer Agreements: ASU has partnered with the following institutions to enable you to do a seamless transfer:

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities: People knowledgeable about Asia will be required in virtually every arena in which America interacts with the rest of the world, including:

- Communication.
- Diplomacy.
- Food security.
- Higher education.
- Humanitarian service.
- Intelligence.
- International organizations.
- Journalism.
- Law.
- Law enforcement.
- Military Studies.
- Philanthropy.
- Technology transfer.
- Tourism.
- Trade.
- Transportation.

Contact Information:

Liberal Arts & Sciences, College of
Historical, Philosophical & Religious Studies, Sch
http://shprs.clas.asu.edu/asia_studies
COOR 3307
SHPRSadvising@asu.edu
480-965-8364

Asia Studies (South Asia), BA (LAHSTSABA)

Campus: TEMPE

Program Description: The B.A. in Asia studies offers students the opportunity to study East Asia, South Asia or Southeast Asia in depth through a coherent concentration of academic study across a number of disciplines. The interdisciplinary approach will prepare students to deploy a variety of intellectual tools to address contemporary political, social and cultural issues in Asia and to apply their knowledge in various academic and practical settings. Students will identify which concentration (East, South or Southeast Asia) they will pursue.

The concentration in South Asia focuses on:

- Bangladesh.
- India.
- Pakistan.
- South Asian states and societies.

Additional Program Fee: N

Second Language Requirement: Y

First Required Math Course: MAT 142 - College Mathematics

Transfer Agreements: ASU has partnered with the following institutions to enable you to do a seamless transfer:
Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities: People knowledgeable about Asia will be required in virtually every arena in which America interacts with the rest of the world, including:

- Communication.
- Diplomacy.
- Food security.
- Higher education.
- Humanitarian service.
- Intelligence.
- International organizations.
- Journalism.
- Law.

- Law enforcement.
- Military studies.
- Philanthropy.
- Technology transfer.
- Tourism.
- Trade.
- Transportation.

Contact Information:

Liberal Arts & Sciences, College of
 Historical, Philosophical & Religious Studies, Sch
http://shprs.clas.asu.edu/asia_studies
 COOR 3307
 SHPRSadvising@asu.edu
 480-965-8364

Asia Studies (Southeast Asia), BA (LAHSTSEABA)

Campus: TEMPE

Program Description: The B.A. in Asia studies offers students the opportunity to study East Asia, South Asia or Southeast Asia in depth through a coherent concentration of academic study across a number of disciplines. The interdisciplinary approach will prepare students to deploy a variety of intellectual tools to address contemporary political, social and cultural issues in Asia and to apply their knowledge in various academic and practical settings. Students will identify which concentration (East, South or Southeast Asia) they will pursue.

The concentration in Southeast Asia focuses on:

- Brunei.
- Burma/Myanmar.
- Cambodia.
- East Timor.
- Indonesia.
- Laos.
- Malaysia.
- The Philippines.
- Singapore.
- Thailand.
- Vietnam.

Additional Program Fee: N

Second Language Requirement: Y

First Required Math Course: MAT 142 - College Mathematics

Transfer Agreements: ASU has partnered with the following institutions to enable you to do a seamless transfer:
 Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities: People knowledgeable about Asia will be required in virtually every arena in which America interacts with the rest of the world, including:

- Communication.
- Diplomacy.
- Food security.
- Higher education.
- Humanitarian service.
- Intelligence.
- International organizations.
- Journalism.
- Law.
- Law enforcement.
- Military studies.
- Philanthropy.
- Technology transfer.
- Tourism.
- Trade.

- Transportation.

Contact Information:

Liberal Arts & Sciences, College of
Historical, Philosophical & Religious Studies, Sch
http://shprs.clas.asu.edu/asia_studies
COOR 3307
SHPRSadvising@asu.edu
480-965-8364

Asian Languages - Chinese, BA (LACHIBA)

Campus: TEMPE

Program Description: The B.A. in Asian languages with a concentration in Chinese strives to instill proficiency in reading, writing, and speaking Mandarin and in reading classical Chinese. It provides an in-depth understanding of the fundamentals of the rich Chinese cultural tradition, centered on primary Chinese texts (in Chinese and in English translation) from the literary, intellectual and religious cultures of Chinese-speaking societies. These texts include visual and written materials on, among other things:

- Linguistics.
- Literary theory and history.
- Media.
- Religions.
- Urban culture.

Students in the program have a number of options available for studying abroad, and for students with higher levels of linguistic competency there are targeted courses (conducted in Chinese) offered as part of the Chinese Flagship track.

Additional Program Fee: N

Second Language Requirement: Y

First Required Math Course: MAT 142 - College Mathematics

Transfer Agreements: ASU has partnered with the following institutions to enable you to do a seamless transfer:
Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities: Graduates have a variety of career opportunities. Many work for firms that deal with international trade for U.S. companies that have branches in China or for Chinese companies located either in the U.S. or China. Other graduates work for government agencies or teach (usually English) in China. Yet others pursue graduate work in Chinese studies, eventually teaching the language and culture in universities or colleges. Some find employment as K-12 teachers.

Contact Information:

Liberal Arts & Sciences, College of
School of International Letters and Cultures
<http://silc.asu.edu/undergraduate/majors-minors-certs>
LL 440
silcadvising@asu.edu
480-965-6281

Asian Languages - Japanese, BA (LAJPNBA)

Campus: TEMPE

Program Description: Students in the B.A. in Asian languages with a concentration in Japanese program study the language, literature and culture of Japan. They gain a respectable measure of competence in reading, writing, oral and aural skills in the Japanese language. Students also gain linguistic and cultural competence through the required study of classical Japanese. Throughout the program, students take courses in either Chinese or Korean and related courses in Japanese and East Asian culture on topics such as:

- Art.
- Government.
- Japanese history.
- Linguistics.
- Literary and cultural theory.
- Religion.

In addition, ASU offers summer or yearlong overseas programs to study Japanese.

Additional Program Fee: N

Second Language Requirement: Y

First Required Math Course: MAT 142 - College Mathematics

Transfer Agreements: ASU has partnered with the following institutions to enable you to do a seamless transfer:

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities: Graduates have a variety of career opportunities. Many work for firms that deal with international trade for U.S. companies that have branches in Japan or for Japanese companies located in the U.S. or Japan. Other graduates work for government agencies or teach (usually English) in Japan. Some pursue graduate work in Japanese studies, eventually teaching the language and culture in universities or colleges. High school and elementary teaching are also possible with certification.

Contact Information:

Liberal Arts & Sciences, College of

School of International Letters and Cultures

<http://silc.asu.edu/undergraduate/majors-minors-certs>

LL 440

silcadvising@asu.edu

480-965-6281

Asian Pacific American Studies, BA (LAAPABA)

Campus: TEMPE

Program Description: The B.A. in Asian Pacific American studies (APAS) is an interdisciplinary undergraduate degree focused on demographic, cultural, social, economic and policy issues that have shaped and continue to affect Asian American and Pacific Islander communities in Arizona, the Southwestern U.S., nationally and internationally. Students will study both the historical and contemporary experiences of Asian Americans and Pacific Islanders (AAPI), and gain knowledge about AAPI experiences and communities in Arizona, nationally, and within a larger global context. The B.A. in Asian Pacific American studies (APAS) is an interdisciplinary undergraduate degree focused on demographic, cultural, social, economic and policy issues that have shaped and continue to affect Asian American and Pacific Islander communities in Arizona, the Southwestern U.S., nationally and internationally. Students will study the historical and contemporary experiences of Asian Americans and Pacific Islanders (AAPI) and gain knowledge about AAPI experiences and communities in Arizona, nationally and within a larger global context.

Additional Program Fee: N

Second Language Requirement: Y

First Required Math Course: MAT 142 - College Mathematics

Career Opportunities: Students who complete the B.A. in Asian Pacific American studies may pursue a graduate degree in law, humanities or social sciences. Students will also be prepared to work in positions involving:

- Business.
- Community organizations.
- Creative arts.
- Education.
- Health.
- Immigration.
- Journalism.
- Law.

Contact Information:

Liberal Arts & Sciences, College of

School of Social Transformation

<http://apas.clas.asu.edu>

WILSON 125

apas@asu.edu

480-965-7682

Biochemistry, BA (LABCHBA)

Campus: TEMPE

Program Description: The B.A. in biochemistry provides students with a course of study in the fundamental knowledge of the chemical substances

and vital processes of living organisms. Discoveries of new drugs, the recognition and control of new pathogens, development of new catalysts for energy transformations and the production of new materials, and solutions to problems such as food production and environmental remediation depend upon a thorough grounding in this area of science.

Additional Program Fee: Y

Second Language Requirement: Y

First Required Math Course: MAT 251 - Calculus for Life Sciences

Transfer Agreements: ASU has partnered with the following institutions to enable you to do a seamless transfer:

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities: A solid undergraduate education in biochemistry provides the necessary background for career paths in:

- Chemical industries.
- Government.
- Health care.
- Research.
- Teaching and other areas.

Students planning careers in medicine, dentistry, pharmacy or veterinary medicine often study biochemistry with supporting work in biology and chemistry as the route for preprofessional training.

Contact Information:

Liberal Arts & Sciences, College of

Department of Chemistry and Biochemistry

<http://chemistry.asu.edu>

PSD 102

chmugadv@asu.edu

480-965-3461

Biochemistry, BS (LABCHBS)

Campus: TEMPE

Program Description: The B.S. in biochemistry provides students with a course of study in the fundamental knowledge of the chemical substances and vital processes of living organisms. Discoveries of new drugs, the recognition and control of new pathogens, development of new catalysts for energy transformations and the production of new materials, and solutions to problems such as food production and environmental remediation depend upon a thorough grounding in this area of science.

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 270 - Calculus w/Analytic Geometry I

Transfer Agreements: ASU has partnered with the following institutions to enable you to do a seamless transfer:

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities: A solid undergraduate education in biochemistry provides the necessary background for career paths in:

- Chemical industries.
- Government.
- Health care.
- Research.
- Teaching and other areas.

Students planning careers in medicine, dentistry, pharmacy or veterinary medicine often study biochemistry with supporting work in biology and chemistry as the route for preprofessional training.

Contact Information:

Liberal Arts & Sciences, College of

Department of Chemistry and Biochemistry

<http://chemistry.asu.edu>

PSD 102

chmugadv@asu.edu

480-965-3461

Biochemistry (Medicinal Chemistry), BS (LABCHMBS)

Campus: TEMPE

Program Description: The science of biochemistry is about the discovery and dissemination of fundamental knowledge of the chemical substances and vital processes of living organisms. Discoveries of new drugs, the recognition and control of new pathogens, development of new catalysts for energy transformations and the production of new materials, and solutions to problems such as food production and environmental remediation depend upon a thorough grounding in this area of science. The B.S. in biochemistry with a concentration in medicinal chemistry emphasizes aspects of biochemistry that will be useful to those planning careers in medically related areas.

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 270 - Calculus w/Analytic Geometry I

Transfer Agreements: ASU has partnered with the following institutions to enable you to do a seamless transfer:

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities: A solid undergraduate education in biochemistry provides the necessary background for career paths in:

- Chemical industries.
- Government.
- Health care.
- Research.
- Teaching and other areas.

Students planning careers in medicine, dentistry, pharmacy or veterinary medicine often pursue the medicinal chemistry concentration, with supporting work in biology and chemistry as the route for preprofessional training.

Contact Information:

Liberal Arts & Sciences, College of

Department of Chemistry and Biochemistry

<http://chemistry.asu.edu>

PSD 102

chmugadv@asu.edu

480-965-3461

Biological Sciences, BS (LABSCBS)

Campus: TEMPE

Program Description: The life sciences delve into the basic organization and processes of life (microbes, plants and animals) at scales ranging from molecules to ecosystems and in time from picoseconds to millennia. This includes investigations into how hereditary information is transferred and how organisms evolve, the interplay of organisms and their environments, and how these factors interact in health and disease. Students interested in a degree in life sciences can opt for a B.S. in biological sciences or choose one of four concentrations with biological sciences:

- Animal physiology and behavior.
- Biology and society.
- Conservation biology and ecology.
- Genetics, cell and developmental biology.

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 251 - Calculus for Life Sciences

Transfer Agreements: ASU has partnered with the following institutions to enable you to do a seamless transfer:

Arizona Western College (<http://transfer.asu.edu/az-western>)

Central Arizona College (<http://transfer.asu.edu/central-az>)

Cochise College (<http://transfer.asu.edu/cochise>)

Eastern Arizona College (<http://transfer.asu.edu/eastern-az>)

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Mohave Community College (<http://transfer.asu.edu/mohave>)

Pima Community College (<http://transfer.asu.edu/pima>)

Yavapai College (<http://transfer.asu.edu/yavapai>)

Career Opportunities: The biological sciences major with no concentration is designed for 1) students who are committed to studying and training in multiple disciplines in biology, and 2) students who want to get more exposure to the life sciences before deciding whether they want to concentrate as an undergraduate. Therefore, students in this major take core courses from several of our concentrations. Students in this major have more flexibility to customize their program of study so they can focus on their own area of interest that may not have a concentration, such as plant biology or genomics.

The biological science major provides an excellent foundation for graduate study as well as preparation for professional schools in medicine, dentistry, pharmacy, and veterinary medicine. Graduates may also enter positions in government, education, industry, and certain technical fields. Students exploring becoming a high school teacher can find more information about the concurrent degree program at: http://catalog.asu.edu/concurrent_dual ("http://catalog.asu.edu/concurrent_dual").

Contact Information:

Liberal Arts & Sciences, College of
School of Life Sciences
<http://sols.asu.edu/>
LSC 206
sols.advising@asu.edu
480-727-6277

Biological Sciences (Animal Physiology & Behavior), BS (LABSCABS)

Campus: TEMPE

Program Description: Physiology is the study of how organisms regulate the flow of energy and maintain the conditions necessary for health, survival and reproduction. It might seem that physiology and behavior are quite separate fields, but physiology and behavior interact extensively to achieve common goals. In the animal physiology and behavior concentration, you will receive a rigorous and broad education by studying behavior and physiology from the perspectives of molecular and cellular biology, evolution, organ systems (neural, endocrine, cardiovascular, respiratory, immune, etc.), and the environment. Students in this concentration also learn to apply principles from mathematics, chemistry and physics. Discoveries are made at the laboratory bench and/or in the field, and students in this concentration are encouraged to participate in research projects in the labs of our faculty members.

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 251 - Calculus for Life Sciences

Transfer Agreements: ASU has partnered with the following institutions to enable you to do a seamless transfer:
Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities: The broad education and critical thinking skills students receive in this concentration are well suited for a variety of rewarding careers. Our pre-med, pre-vet and pre-dental students get the background and courses needed for professional school application and beyond any of our students go on graduate school for academic, teaching or research careers in areas such as:

- Endocrinology.
- Environmental or behavioral physiology.
- Human physiology.
- Metabolism.
- Neurobiology.
- Social behavior.

With a B.S. in this concentration, there are opportunities for technical positions in hospitals, research institutes, and industry (food, dairy, chemical, pharmaceutical, and biotechnology) as well as government laboratories and agencies. The most important skills you learn in the concentration are critical thinking and problem-solving skills that can be applied to many scientific problems and professions as well as the challenges of daily life.

Contact Information:

Liberal Arts & Sciences, College of
School of Life Sciences
<http://sols.asu.edu/>
LSC 206
sols.advising@asu.edu
480-727-6277

Biological Sciences (Biology & Society), BS (LABSCSBS)

Campus: TEMPE

Program Description: The biology and society major focuses on training biology students to understand the social context of their science; to ask

how and why a biological problem has been and should be studied; to be able to explore the ways in which policy decisions shape and are shaped by biological research; and to investigate the meaning and significance of the life sciences in understanding our complex world. The biology and society curriculum is highly individualized, including an independent research project. Our program is privileged to be home to world-class researchers and teachers in several different fields, including bioscience ethics, history and philosophy of science, science communication, science education and science policy. What makes us unique is that we are all based in the School of Life Sciences, rather than being scattered in a variety of departments all over campus.

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 251 - Calculus for Life Sciences

Transfer Agreements: ASU has partnered with the following institutions to enable you to do a seamless transfer:

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities: Biology and society students gain the historical, philosophical, political and ethical perspectives needed to explore interactions between the life sciences and related complex human issues. As a result, the program contributes to better-informed and more effective teachers, writers, policymakers, clinicians, and researchers in areas related to biology, medicine, and society.

As a result of the individualized, skill-based curriculum, biology and society majors are eligible for a broad range of career options. Most majors have chosen to pursue professional degrees in medicine, law, public health, or public policy, or graduate study in biology, ethics, education, or history and philosophy of science. Our graduates enter the workforce - whether in academia, industry, government, or clinical practice - with a deep sensitivity to the complexity of biology in society, and the skill to navigate that complexity throughout their career.

Contact Information:

Liberal Arts & Sciences, College of

School of Life Sciences

<http://sols.asu.edu/>

LSC 206

sols.advising@asu.edu

480-727-6277

Biological Sciences (Conservation Biology and Ecology), BS (LABSCCBS)

Campus: TEMPE

Program Description: Ecology is the study of the distribution and abundance of organisms, the interactions among organisms, and the interactions between organisms and the physical environment. Conservation biology is an applied science based on ecological principles that focuses on conserving biological diversity and on restoring degraded ecosystems. Arizona State University has made a commitment toward a more sustainable world and knowledge of conservation biology and ecology is one critical component to help us meet this global challenge.

Conservation biologists at ASU investigate the impact of humans on Earth's biodiversity and develop practical approaches to prevent the extinction of species and promote the sustainable use of biological resources. Some investigate the causes of ecosystem degradation and use ecological principles to reestablish desired conditions within a range of ecosystems, including rivers, wetlands, grasslands, urban landscapes and forests.

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 251 - Calculus for Life Sciences

Transfer Agreements: ASU has partnered with the following institutions to enable you to do a seamless transfer:

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities: The curriculum prepares students for employment and provides a solid platform for students who wish to attend graduate school. The skills and concepts you will learn will prepare you for careers with:

- Governmental agencies such as the Environmental Protection Agency and state Game and Fish Departments.
- K-12 education, colleges and universities.
- Non-governmental organizations such as The Nature Conservancy and Conservation International.
- Private companies focused on environmental resources, environmental law, or environmental economics.

The concentration can provide training in specific skills that you might need for:

- Animal and plant physiology, identification, and ecology.
- Behavioral ecology and population biology.
- Community, ecosystem and landscape ecology.
- Conservation of endangered species.
- Ecology of different habitats, including cities, lakes, rivers, and grasslands.
- Restoration of degraded ecosystems.

Contact Information:

Liberal Arts & Sciences, College of
School of Life Sciences
<http://sols.asu.edu/>
LSC 206
sols.advising@asu.edu
480-727-6277

Biological Sciences (Genetics, Cell & Developmental Biology), BS (LABSCGBS)

Campus: TEMPE

Program Description: Genetics, cell, and developmental biology are exciting, closely related areas of life science research. Genetics examines the blueprints of life (i.e., DNA sequence and gene expression), while cell biology studies the machinery of life enclosed within the boundaries of cells. Developmental biology uses genetics and cell biology to understand how genes and the environment interact to produce a whole new individual from a single cell, in addition to developmental changes that organisms undergo throughout life. Many diseases are understood through the study of genetics, cell biology and development.

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 251 - Calculus for Life Sciences

Transfer Agreements: ASU has partnered with the following institutions to enable you to do a seamless transfer:
Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities: Students in this concentration have a variety of career options This degree provides the fundamental coursework necessary for admission into medical, dental, veterinarian, pharmacy, graduate school, or any of the health professions. There also are many employment opportunities that can be pursued upon receipt of the B.S. in this concentration; for example:

- Animal breeder technician.
- Bioinformaticist.
- Biotechnologist.
- Cell culture specialist.
- Cloning technician.
- Crime lab technician.
- Cytotechnologist.
- Drug design technician.
- Food and drug inspector.
- Genetic counselor.
- Histologist.
- In vitro fertilization technician.
- Plant improvement specialist.
- Teacher.
- Technical writer.
- Vaccine development technician.

Students in this concentration learn critical thinking skills that can be applied to many scientific problems and professions, as well as the challenges of daily life. We encourage students to engage in independent research projects or internship opportunities in order to develop a better sense of how science is done.

Contact Information:

Liberal Arts & Sciences, College of
School of Life Sciences
<http://sols.asu.edu/>
LSC 206
sols.advising@asu.edu
480-727-6277

Chemistry, BA (LACHMBA)

Campus: TEMPE

Program Description: Chemistry is a central science that connects the "hard sciences," including physics, with the "soft sciences," such as biology

and medicine, and provides fundamental knowledge needed to deal with many needs of society. Discoveries of new materials, processes and solutions to problems such as pollution control depend upon a thorough grounding in this area of science. Students in the B.A. in chemistry program have opportunities to explore interests in analytical, inorganic, organic and physical chemistry as well as biochemistry, geochemistry, solid-state and materials chemistry. A secondary education B.A. with a specialization in chemistry is also available.

Additional Program Fee: Y

Second Language Requirement: Y

First Required Math Course: MAT 270 - Calculus w/Analytic Geometry I

Transfer Agreements: ASU has partnered with the following institutions to enable you to do a seamless transfer:

Arizona Western College (<http://transfer.asu.edu/az-western>)

Central Arizona College (<http://transfer.asu.edu/central-az>)

Cochise College (<http://transfer.asu.edu/cochise>)

Eastern Arizona College (<http://transfer.asu.edu/eastern-az>)

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities: A solid undergraduate education in chemistry provides the necessary background for many career paths in chemical industries, government and other areas. Chemistry can be combined with law for patent work, economics for sales and marketing careers, and computer science for careers in information storage and retrieval. Students planning careers in medicine, dentistry or veterinary medicine often pursue a course of study in chemistry with supporting work in biology as the route for preprofessional training.

Contact Information:

Liberal Arts & Sciences, College of

Department of Chemistry and Biochemistry

<http://chemistry.asu.edu>

PSD 102

chmugadv@asu.edu

480-965-3461

Chemistry, BS (LACHMBS)

Campus: TEMPE

Program Description: Chemistry is a central science that connects the "hard sciences," including physics, with the "soft sciences," such as biology and medicine, and provides fundamental knowledge needed to deal with many needs of society. Discoveries of new materials, processes and solutions to problems such as pollution control depend upon a thorough grounding in this area of science. Students in the B.S. in chemistry program have opportunities to explore interests in analytical, inorganic, organic and physical chemistry as well as biochemistry, geochemistry, solid-state and materials chemistry. A secondary education B.A. with a specialization in chemistry is also available.

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 270 - Calculus w/Analytic Geometry I

Transfer Agreements: ASU has partnered with the following institutions to enable you to do a seamless transfer:

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities: A solid undergraduate program of education in chemistry provides the necessary background for many career paths in chemical industries, government and other areas. Chemistry can be combined with law for patent work, economics for sales and marketing careers, and computer science for careers in information storage and retrieval. Students planning careers in medicine, dentistry or veterinary medicine often pursue a course of study in chemistry with supporting work in biology as the route for preprofessional training.

Students exploring becoming a middle or high school teacher can find more information about the concurrent degree program at http://catalog.asu.edu/concurrent_dual ("http://catalog.asu.edu/concurrent_dual").

Contact Information:

Liberal Arts & Sciences, College of

Department of Chemistry and Biochemistry

<http://chemistry.asu.edu>

PSD 102

chmugadv@asu.edu

480-965-3461

Chemistry (Environmental Chemistry), BS (LACHMEBS)

Campus: TEMPE

Program Description: Chemistry is a central science that connects the "hard sciences," including physics, with the "soft sciences," such as biology and medicine, and provides fundamental knowledge needed to deal with many needs of society. Discoveries of new materials, processes and solutions to problems such as pollution control depend upon a thorough grounding in this area of science. Students in the B.S. in chemistry program have opportunities to explore interests in analytical, inorganic, organic and physical chemistry as well as biochemistry, geochemistry, solid-state and materials chemistry. The environmental chemistry concentration is especially appropriate for those with strong interests in solving environmental problems.

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 270 - Calculus w/Analytic Geometry I

Transfer Agreements: ASU has partnered with the following institutions to enable you to do a seamless transfer:

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities: A solid undergraduate program of education in chemistry provides the necessary background for many career paths in chemical industries, government and other areas. Chemistry can be combined with law for patent work, economics for sales and marketing careers, and computer science for careers in information storage and retrieval. Students planning careers in medicine, dentistry or veterinary medicine often pursue a course of study in chemistry with supporting work in biology as the route for preprofessional training. Students planning to work in environmentally related areas will find the environmental chemistry concentration especially appropriate.

Contact Information:

Liberal Arts & Sciences, College of

Department of Chemistry and Biochemistry

<http://chemistry.asu.edu>

PSD 102

chmugadv@asu.edu

480-965-3461

Communication, BA (LACOMBA)

Campus: TEMPE

Program Description: The B.A. in communication focuses on teaching students how communication processes create, maintain and transform identities, relationships, workplaces and communities. Our mission statement is: Through the study and critique of human communication, we generate knowledge, creativity and understanding to facilitate healthy relationships and workplaces, civil and secure communities, and constructive intercultural interaction.

Additional Program Fee: N

Second Language Requirement: Y

First Required Math Course: MAT 142 - College Mathematics

Transfer Agreements: ASU has partnered with the following institutions to enable you to do a seamless transfer:

Central Arizona College (<http://transfer.asu.edu/central-az>)

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities: Graduates of our program often attend leading graduate schools in communication, law schools and business schools, and/or find gainful employment in careers in the areas of:

- Campaign management.
- Counseling.
- Entrepreneurism.
- Event planning.
- Health care management.
- Human resource management.
- Intercultural relations.
- Marketing.
- Nonprofit management.
- Public relations.
- Sales.

Contact Information:

Liberal Arts & Sciences, College of

Hugh Downs School of Human Communication

<http://humancommunication.clas.asu.edu/>

STAUF 412
communication@asu.edu
480-965-5095

Communication, BS (LACOMBS)

Campus: ONLNE, TEMPE

Program Description: The B.S. in communication program focuses on teaching students how communication processes create, maintain and transform identities, relationships, workplaces and communities. Our mission statement is: Through the study and critique of human communication, we generate knowledge, creativity and understanding to facilitate healthy relationships and workplaces, civil and secure communities and constructive intercultural interaction.

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 142 - College Mathematics

Attend Online: ASU offers this program in a fully online format-no face-to-face sessions required. We offer six enrollment sessions throughout the year, and you learn in accelerated, 7.5-week classes. View the program description and request more information here.
(<http://asuonline.asu.edu/degree-programs/undergraduate/bachelor-science-communication>)

Transfer Agreements: ASU has partnered with the following institutions to enable you to do a seamless transfer:
Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities: Graduates of our program often attend leading graduate schools in communication, law schools and business schools, and/or find gainful employment in careers in the areas of:

- Campaign management.
- Counseling.
- Entrepreneurism.
- Event planning.
- Health care management.
- Human resource management.
- Intercultural relations.
- Marketing.
- Nonprofit management.
- Public relations.
- Sales.

Contact Information:

Liberal Arts & Sciences, College of
Hugh Downs School of Human Communication
<http://humancommunication.clas.asu.edu/>
STAUF 412
communication@asu.edu
480-965-5095

Computational Mathematical Sciences, BS (LACMSBS)

Campus: TEMPE

Program Description: Mathematics is a crucial component in many disciplines such as physics, engineering applications, business, economics and in the life sciences and social sciences. The B.S. in computational mathematical sciences is an interdisciplinary degree, with components in mathematics, science and computing and a focus on computational and numerical aspects of techniques used to solve a wide range of applied problems arising in practically any field of study.

A large component is geared toward understanding why and how computer algorithms work, as well as their limitations in terms of applicability and efficiency. This program is designed for students interested in computing and simulation of applied problems. It promotes creative skills and develops problem-solving tools needed in today's technological world.

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 270 - Calculus w/Analytic Geometry I

Career Opportunities: Employment opportunities for math majors can be found in virtually all sectors of industry:

- Academia (e.g., high-school or college teacher, university professor).
- Applied math (scientific computing).
- Biotechnology.
- Business (actuary for bank or insurance company, operations research).
- Computer.
- Engineering.
- Government (consultant, federal and state organizations).
- Graduate school (mathematics or other fields).
- Medicine.

A B.S. in computational mathematical sciences is perhaps the most versatile of all math degrees in that it can lead to a wider choice of career paths. Many careers require a command of quantitative methods; persons qualified in mathematics hold a favorable edge in competition for job opportunities. Profiles and descriptions of jobs and career paths of actual mathematicians in a wide array of fields are published by the American Mathematical Society.

Contact Information:

Liberal Arts & Sciences, College of
 School of Mathematical and Statistical Sciences
<http://math.asu.edu/>
 PSA 211
 math@asu.edu
 480-965-7195

Earth and Environmental Studies, BA (LAEESBA)

Campus: TEMPE

Program Description: The B.A. in earth and environmental studies will provide a foundational understanding of the evolution of the Earth system with an emphasis on the planetary context for sustainable human societies. The degree includes broad training in the physical sciences, especially process-oriented geosciences that focus on Earth's life-sustaining surface environment. Advanced courses focus on topics including:

- Climate change.
- Earth's water, energy and material resources.
- Impacts of land-use change on human civilization.
- Physical, chemical and biological process interactions that define Earth's evolution.

The degree is designed as a liberal arts program with an emphasis on basic scientific literacy, not as a preparatory degree for graduate study in natural science. However, successful graduates will be prepared well for "green" professional careers in fields such as:

- Education.
- Environmental consulting.
- Environmental reporting.
- Natural resource management.
- Public planning.

Additional Program Fee: Y

Second Language Requirement: Y

First Required Math Course: MAT 170 - Precalculus/210/251

Transfer Agreements: ASU has partnered with the following institutions to enable you to do a seamless transfer:

Coconino Community College (<http://transfer.asu.edu/coconino>)

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities: School of Earth and Space Exploration earth and environmental studies graduates are prepared for positions in:

- Consultancy.
- Governmental agencies.
- Industry.
- Nongovernmental organizations.
- Nonprofit organizations.
- Regulatory agencies.
- Utilities.

They are also well prepared for admission to strong professional schools. Recent environmental awareness in business and government has created new employment opportunities (e.g., environmental coordinators, directors and managers). By developing a breadth of knowledge and experience, and by acquiring the skills to integrate various domains of knowledge, earth and environmental studies students prepare themselves for a variety of careers to help find solutions to tomorrow's environmental and sustainability challenges.

Contact Information:

Liberal Arts & Sciences, College of
School of Earth and Space Exploration
<http://sese.asu.edu>
PSF 686
seseinfo@asu.edu
480-965-5081

Earth and Space Exploration, BS (LASESBS)

Campus: TEMPE

Program Description: The B.S. in earth and space exploration offers students an integrated education across earth sciences, planetary sciences, astrophysics and engineering. The degree incorporates:

- A learning community that includes science and engineering students.
- Strong quantitative preparation.
- A yearlong collaborative capstone senior exploration project.

This strong foundation in geosciences, astrophysics and exploration engineering will prepare students for key roles in:

- Earth resources and exploration.
- Environmental and geologic engineering.
- Space research and industry.
- Water and environmental use policy.

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 265 - Calculus for Engineers I/MAT 270

Transfer Agreements: ASU has partnered with the following institutions to enable you to do a seamless transfer:
Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities: The earth and space exploration major addresses critical future shortfalls in the national and regional training of the next generation of geoscientists and aerospace engineers. Arizona has an expanding space industry with major new investments and is prepared to engage new technologies to monitor and understand environmental issues in Arizona, the southwest and throughout the world. Students who major in earth and space exploration will have the tools, knowledge and understanding to address key problems of a global nature, whether they are working in the private or public sector.

Contact Information:

Liberal Arts & Sciences, College of
School of Earth and Space Exploration
<http://sese.asu.edu>
PSF 686
seseinfo@asu.edu
480-965-5081

Earth and Space Exploration (Astrobiology and Biogeosciences), BS (LASESABBS)

Campus: TEMPE

Program Description: Astrobiology is the study of the origins, evolution, distribution and future of life in the universe. Biogeosciences focuses on the interaction of biological and geological processes on Earth at present and in the geologic past. These topics are closely related because the concepts of biogeoscience inform the study of planetary habitability and the search for habitable worlds. Therefore, the astrobiology and biogeoscience concentration is designed to offer students a strong foundation for exploring the interaction of geological and biological processes, how such interactions sustain life on Earth, and how they might operate on other planets. This scientific background is needed to contribute to the search for life on other planets as well as the exploration of extreme environments here on Earth. It also provides training in the interplay of forces that impact global change.

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 170 - Precalculus

Career Opportunities: Students in the astrobiology program will be well prepared for graduate studies in this field. Because astrobiology is increasingly the motivation for NASA exploration missions, they will also be well suited for entry-level careers at NASA research centers. The degree also provides broad training across a range of science fields, giving students a strong background for careers in biomedical, environmental or sustainability areas.

Contact Information:

Liberal Arts & Sciences, College of
School of Earth and Space Exploration
<http://sese.asu.edu>
PSF 686
seseinfo@asu.edu
480-965-5081

Earth and Space Exploration (Astrophysics), BS (LASESABS)

Campus: TEMPE

Program Description: The B.S. in earth and space exploration with a concentration in astrophysics is designed to offer students a fundamental grounding in astronomy and astrophysics, with exposure to the related fields of geology, planetary science and engineering. Students will emerge from this program with the skills to pursue a career in astrophysics, physics or related fields.

The rigorous course work includes a combination of physics courses taught in the School of Earth and Space Exploration and the Department of Physics. Students should emerge from the program with the ability to compete at the national level on standardized physics exams. The tools of astronomical discovery are increasingly dependent on technological advances, and students will be exposed to engineering principles. Through the capstone project in the senior year, students will gain valuable experience in translating science drivers into engineering specifics.

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 265 - Calculus for Engineers I

Transfer Agreements: ASU has partnered with the following institutions to enable you to do a seamless transfer:
Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities: Some of the listed careers may require advanced degrees or additional certifications. Career opportunities include but are not limited to:

- Aerospace engineer.
- Astrobiologist.
- Astronomer.
- Computer programmer.
- Data analyst.
- Graduate student.
- Instrumentation specialist.
- Planetary scientist.
- Science policy intern.
- Science writer.
- Teacher.
- Telescope operator.

Career settings include:

- Federal government.
- K-12 schools.
- Manufacturing.
- Museums.
- NASA facilities.
- National laboratories.
- NSF facilities.
- Observatories.
- Planetariums.
- Publishing.
- Space industries.

- Universities and colleges.

Contact Information:

Liberal Arts & Sciences, College of
School of Earth and Space Exploration
<http://sese.asu.edu>
PSF 686
seseinfo@asu.edu
480-965-5081

Earth and Space Exploration (Exploration Systems Design), BS (LASESESDBS)

Campus: TEMPE

Program Description: The exploration system design concentration is designed to offer students a fundamental grounding in geology, physics and astrophysics, while providing the tools to enable them to design and build hardware and software to achieve specified scientific goals.

At the heart of the program is a sound grounding in the fundamentals of physics, mathematics and chemistry. Upon that foundation we explicitly tackle issues concerning hardware design, instrument assembly and, ultimately, how to knit these components together when conceiving the requirements needed for a mission or project destined for space or another planet.

As part of this degree, each student will have the opportunity to learn how projects and missions are designed and planned, starting with the scientific drivers and then defining engineering specifications. Each student will be expected to complete a senior project that takes a desired scientific measurement and realizes the technological solution to achieve the observation.

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 265 - Calculus for Engineers I

Career Opportunities: Some of the listed careers may require advanced degrees or additional certifications. Career opportunities include but are not limited to:

- Astronomer.
- Geoscientist.
- Graduate student.
- Planetary scientist.
- Scientific instrumentation specialist.
- Science policy intern.
- Science writer.
- Space systems engineer.
- Systems engineer.

Sample career settings include:

- Aerospace industry.
- Federal government.
- Manufacturing.
- NASA centers.
- National laboratories.
- Observatories.
- Publishers.
- Space industries.
- Universities and colleges.

Contact Information:

Liberal Arts & Sciences, College of
School of Earth and Space Exploration
<http://sese.asu.edu>
PSF 686
seseinfo@asu.edu
480-965-5081

Earth and Space Exploration (Geological Sciences), BS (LASESGSBS)

Campus: TEMPE

Program Description: Geological science is the study of the Earth and other planets with emphasis on the processes that have shaped them since the origin of the solar system, including the co-evolution of life, oceans, atmosphere and the Earth's climate system, and the record of that evolution encoded in rocks, soil, ice and isotopes. The B.S. in earth and space exploration with a concentration in geological sciences educates students in the fundamentals of the geological sciences, providing a solid background in chemistry, mathematics and physics, as well as interdisciplinary training in engineering, astronomy and planetary science.

Students will gain a strong understanding of field methods, as well as modern computing, remote sensing and instrumentation, in order to effectively study the natural environment and Earth's resources. Graduates of the program will learn to apply their knowledge for the benefit of the nation, Arizona and society in general.

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 170 - Precalculus

Transfer Agreements: ASU has partnered with the following institutions to enable you to do a seamless transfer:

Central Arizona College (<http://transfer.asu.edu/central-az>)

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities: Some of the listed careers may require advanced degrees or additional certifications. Sample careers include:

- Environmental geologist.
- Geological engineer.
- Geologist.
- Graduate student.
- Mining geologist.
- Petroleum geologist.
- Science policy intern.
- Science writer.

Sample career settings include:

- Environmental industry.
- Geotechnical industry.
- Mining and petroleum.
- Museums.
- Publishers.

Contact Information:

Liberal Arts & Sciences, College of
School of Earth and Space Exploration
<http://sese.asu.edu>
PSF 686
seseinfo@asu.edu
480-965-5081

Economics, BS (LAECNBS)

Campus: TEMPE

Program Description: The program requires a strong core of economic theory, supplemented by mathematics and data analysis. Students in our B.S. program choose from a variety of electives within the department, as well as in the College of Liberal Arts and Sciences and the university. All students are encouraged to develop programs of study tailored to their individual needs and interests. The department's undergraduate program aims to provide students with the critical thinking and communication skills needed to succeed in business or graduate school. The mission of the Department of Economics at ASU is to provide the highest quality instruction to our students, conduct cutting-edge research in economics, and provide leadership and service to our professional communities.

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 210 - Brief Calculus

Transfer Agreements: ASU has partnered with the following institutions to enable you to do a seamless transfer:

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities: Students who have sought careers following their undergraduate education have been very successful in:

- Business.
- Consulting.
- Government.

Our graduates have taken positions as:

- Consultants who serve as advisors to both state and federal governments as well as private corporations.
- Corporate economists who collect data and make forecasts concerning the nature of the firm's business.
- Economic analysts for banks and financial firms.

Others have gone on to the best law schools in the country, or to the top Ph.D. and M.B.A. programs here and abroad. Finally, many of our graduates have won prestigious national awards, such as the Marshall Award, the NSF Fellowship, Fulbright fellowships and the Truman Award.

Contact Information:

Liberal Arts & Sciences, College of
Economics Program in CLAS
<http://wpcarey.asu.edu/ecn>
CPCOM 412
wpcareyecn@asu.edu
480-965-3531

English, BA (LAENGBA)

Campus: ONLNE

Program Description: The undergraduate program in English prepares students to enter the work force or continue their studies in graduate and professional programs.

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 142 - College Mathematics

Attend Online: ASU offers this program in a fully online format-no face-to-face sessions required. We offer six enrollment sessions throughout the year, and you learn in accelerated,7.5-week classes.

Career Opportunities: This degree prepares students for careers in publishing, journalism, public relations, non-profit organizations, professional and technical writing, education, business, banking, grassroots activism, law, medicine, and numerous other careers in industry, government, and nonprofits.

Contact Information:

Liberal Arts & Sciences, College of
Department of English
<https://clas.asu.edu/students>
LL542
CLAS@asu.edu
480-965-3168

English (Creative Writing), BA (LAENGCBA)

Campus: TEMPE

Program Description: The B.A. in English offers concentrations in creative writing, linguistics or literature. Students in the creative writing concentration study and practice the art of writing poetry and fiction. The faculty in the Department of English offer courses in:

- Comparative literature.
- Creative writing.
- English as a second language.
- English education.
- English linguistics, literature and language.
- Rhetoric and composition.

Students engage in community outreach and in such diverse cross-disciplinary offerings as discourses of cultural encounters, borderlands, intercultural studies and technologies. A secondary education B.A. with a specialization in English is also available.

Additional Program Fee: N

Second Language Requirement: Y

First Required Math Course: MAT 142 - College Mathematics

Transfer Agreements: ASU has partnered with the following institutions to enable you to do a seamless transfer:

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities: With a degree in English, students' career options are virtually endless. Employers in all fields are always looking for workers with strong writing and communication skills and the ability to think critically. Some of the most common professions for English majors are:

- Business.
- Editing.
- Journalism.
- Law.
- Medicine.
- Nonprofit community service.
- Professional writing.
- Public relations.
- Publishing.
- Teaching.
- Web content development.

Contact Information:

Liberal Arts & Sciences, College of

Department of English

<http://english.clas.asu.edu/>

LL 542

englishadvising@asu.edu

480-965-3168

English (Linguistics), BA (LAENGNBA)

Campus: TEMPE

Program Description: The B.A. in English offers concentrations in creative writing, linguistics or literature. Students in the linguistics concentration focus on study of the history and structure of language. Faculty members in the Department of English offer courses in:

- Comparative literature.
- Creative writing.
- English as a second language.
- English education.
- English linguistics, literature and language.
- Rhetoric and composition.

Students engage in community outreach and in such diverse cross-disciplinary offerings as discourses of cultural encounters, borderlands, intercultural studies and technologies. A secondary education B.A. with a specialization in English is also available.

Additional Program Fee: N

Second Language Requirement: Y

First Required Math Course: MAT 142 - College Mathematics

Transfer Agreements: ASU has partnered with the following institutions to enable you to do a seamless transfer:

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities: With a degree in English, students' career options are virtually endless. Employers in all fields are always looking for workers with strong writing and communication skills and the ability to think critically. Some of the most common professions for English majors are:

- Business.
- Journalism.
- Law.
- Medicine.
- Nonprofit community service.
- Professional writing and editing.
- Public relations.

- Publishing.
- Teaching.
- Web content development.

Contact Information:

Liberal Arts & Sciences, College of
 Department of English
<http://english.clas.asu.edu/>
 LL 542
englishadvising@asu.edu
 480-965-3168

English (Literature), BA (LAENGTBA)

Campus: TEMPE

Program Description: The B.A. in English offers concentrations in creative writing, linguistics or literature. Students in the literature concentration study British, American and global literatures in English from the earliest writings to the present. Faculty members in the Department of English offer courses in:

- Comparative literature.
- Creative writing.
- English as a second language.
- English education.
- English linguistics, literature and language.
- Rhetoric and composition.

Students engage in community outreach and in such diverse cross-disciplinary offerings as discourses of cultural encounters, borderlands, intercultural studies and technologies. A secondary education B.A. with a specialization in English is also available.

Additional Program Fee: N

Second Language Requirement: Y

First Required Math Course: MAT 142 - College Mathematics

Transfer Agreements: ASU has partnered with the following institutions to enable you to do a seamless transfer:
 Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities: With a degree in English, students' career options are virtually endless. Employers in all fields are always looking for workers with strong writing and communication skills and the ability to think critically. Some of the most common professions for English majors are:

- Business.
- Journalism.
- Law.
- Medicine.
- Nonprofit community service.
- Professional writing and editing.
- Public relations.
- Publishing.
- Teaching.
- Web content development.

Contact Information:

Liberal Arts & Sciences, College of
 Department of English
<http://english.clas.asu.edu/>
 LL 542
englishadvising@asu.edu
 480-965-3168

Family & Human Development, BS (LAFASBS)

Campus: ONLNE, TEMPE

Program Description: The B.S. in family and human development offers course work on the development of individuals and families as they relate to their social worlds. The required concentration in family studies and child development provides a focus on the development of children, adults and families. Students take a wide variety of courses on contemporary issues related to human development, from infancy through the end of the life span, and the development, formation and dissolution of families. Students develop proficiency in written communication, computer skills, statistics and research methods.

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 142 - College Mathematics

Attend Online: ASU offers this program in a fully online format-no face-to-face sessions required. We offer six enrollment sessions throughout the year, and you learn in accelerated, 7.5-week classes. View the program description and request more information here.

(<http://asuonline.asu.edu/degree-programs/undergraduate/bachelor-science-family-and-human-development>)

Transfer Agreements: ASU has partnered with the following institutions to enable you to do a seamless transfer:

Arizona Western College (<http://transfer.asu.edu/az-western>)

Central Arizona College (<http://transfer.asu.edu/central-az>)

Coconino Community College (<http://transfer.asu.edu/coconino>)

Cochise College (<http://transfer.asu.edu/cochise>)

Eastern Arizona College (<http://transfer.asu.edu/eastern-az>)

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Northland Pioneer College (<http://transfer.asu.edu/northland-pioneer>)

Pima Community College (<http://transfer.asu.edu/pima>)

Yavapai College (<http://transfer.asu.edu/yavapai>)

Career Opportunities: As a liberal arts degree, the B.S. in family and human development provides excellent preparation for future graduate work in family and developmental sciences, social work, law, medicine and counseling and prepares undergraduates for direct entry into positions in business, social service and government.

Contact Information:

Liberal Arts & Sciences, College of

School of Social and Family Dynamics

<http://ssfd.clas.asu.edu/>

SS 144

email@ssfd.info

480-965-6978

Film (Film & Media Studies), BA (LAFMSBA)

Campus: ONLNE, TEMPE

Program Description: The B.A. in film and media studies is an innovative program in the study of film, television, computer games, the internet and screenwriting.

We equip students with the analytic, creative and communication skills needed to interpret and create media texts. Our B.A. prepares students for opportunities in the entertainment industry as executives, producers and writers. Our goal is to empower students to be critical consumers of media, creative industry professionals, and rigorous scholars of media texts and culture.

The film and media industries are undergoing constant transformation as a result of industry reorganization, globalization, new technologies and increasingly sophisticated forms of artistic expression and storytelling. Our curriculum aims to put our students on the forward edge of that change.

Additional Program Fee: N

Second Language Requirement: Y

First Required Math Course: MAT 142 - College Mathematics

Career Opportunities: The film and media studies concentration provides undergraduates with skills that can be applied in a number of professional fields. It prepares students for a variety of career opportunities as leaders within the media entertainment industries, including:

- Creative management.
- Critics.
- Development.
- Marketing and regulation.
- Teachers.

Former students of film and media studies have gone on to pursue graduate studies at other prestigious universities. Others have selected career paths in the film, media and entertainment industries.

Contact Information:

Liberal Arts & Sciences, College of
Department of English
<http://english.clas.asu.edu/film>
LL 542
englishadvising@asu.edu
480-965-3168

French, BA (LAFREBA)

Campus: TEMPE

Program Description: Students in the B.A. in French program study the language, literature and culture of France and Francophone countries. They gain a respectable measure of competence in reading, writing, oral and aural skills in the French language. They are required to take a number of related courses on topics such as:

- Art.
- Cultural theory.
- French history.
- Government.
- International business.
- Linguistics.
- Literary theory.
- Religion.

To help students gain proficiency in the language, the French section has an active French Club, conversation hours and film screenings. In addition, ASU also offers study abroad and exchange programs in France and Quebec, Canada, during the summer and academic year.

Additional Program Fee: N

Second Language Requirement: Y

First Required Math Course: MAT 142 - College Mathematics

Transfer Agreements: ASU has partnered with the following institutions to enable you to do a seamless transfer:
Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities: Graduates have a variety of career opportunities in:

- Airlines.
- Education or government service.
- International trade firms.
- U.S. companies that have branches in France.

Many pursue graduate work in French, eventually teaching the language and culture in universities or colleges. With state certification, high school teaching is also a possibility.

Contact Information:

Liberal Arts & Sciences, College of
School of International Letters and Cultures
<http://silc.asu.edu/undergraduate/majors-minors-certs>
LL 440
silcadvising@asu.edu
480-965-6281

Geography, BA (LAGCUBA)

Campus: TEMPE

Program Description: Geographers have a unique spatial perspective in understanding the modern world, global to local, through the twin lenses of space and place. The B.A. in geography emphasizes humanistic and cultural traditions, and students pursuing undergraduate studies in geography typically concentrate knowledge-building in understanding various cultural phenomena, or in studying regions such as:

- Africa.
- Asia.
- Europe.
- Latin America.

Additional Program Fee: N

Second Language Requirement: Y

First Required Math Course: MAT 142 - College Mathematics

Transfer Agreements: ASU has partnered with the following institutions to enable you to do a seamless transfer:
Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities: B.A. geographers go on to careers as:

- Community developers.
- Foreign service.
- Geodemographic analysts.
- Governmental organizations.
- Intelligence analysts.
- International trade consultants.
- Nongovernmental organizations.
- Public sector transportation planners.
- Teachers.
- Urban and regional planners.

Contact Information:

Liberal Arts & Sciences, College of
School of Geographical Sciences and Urban Planning
<http://geoplan.asu.edu/>
COOR 5673
geoplan@asu.edu
480-965-7533

Geography, BS (LAGCUBS)

Campus: TEMPE

Program Description: Geographers have a unique spatial perspective in understanding the modern world, global to local, through the twin lenses of space and place. A B.S. in geography emphasizes spatial patterns in natural science features such as:

- Landforms.
- Plants.
- Water.
- Weather.

Or in social science/environmental science dynamics involving:

- Economic patterns.
- Human populations.
- Transportation.

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 142 - College Mathematics

Transfer Agreements: ASU has partnered with the following institutions to enable you to do a seamless transfer:
Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities: With a focus on geospatial techniques, B.S. geographers go on to careers as:

- Cartographers.
- Computer cartographers.
- Environmental impact analysts.
- Geographic information system (GIS) specialists and analysts.
- Geospatial software developers.
- Hydrology and water resource specialists.

- Location analysts for businesses.
- Remote sensing analysts.

Graduates are presented with a host of other geospatial career options in the burgeoning fields of geographic information science (GISci), mapping and navigation systems.

Contact Information:

Liberal Arts & Sciences, College of
 School of Geographical Sciences and Urban Planning
<http://geoplan.asu.edu/>
 COOR 5673
 geoplan@asu.edu
 480-965-7533

Geography (Meteorology-Climatology), BS (LAGCUMBS)

Campus: TEMPE

Program Description: The meteorology-climatology concentration under the B.S. in geography is designed to meet the requirements of certification as a meteorologist by the National Weather Service. As such, it requires a heavy concentration on:

- Dynamic meteorology (atmospheric physics).
- Mathematics (requiring three semesters of calculus).
- Physics (two semesters of university or calculus-based physics).
- Synoptic meteorology (operational weather forecasting).

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 170 - Precalculus

Transfer Agreements: ASU has partnered with the following institutions to enable you to do a seamless transfer:
 Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities: Students successfully completing the program have found employment with:

- Energy power companies (e.g., Salt River Project and Arizona Public Service).
- Government agencies (e.g., Arizona Department of Environmental Quality, U.S. Environmental Protection Agency, U.S. Army Corps of Engineers).
- Graduate work in either meteorology or climatology.
- National Weather Service.
- U.S. Air Force (in either meteorology or pilot training).

Contact Information:

Liberal Arts & Sciences, College of
 School of Geographical Sciences and Urban Planning
<http://geoplan.asu.edu/>
 COOR 5673
 geoplan@asu.edu
 480-965-7533

Geography (Urban Studies), BS (LAGCUUBS)

Campus: TEMPE

Program Description: The urban studies concentration under the B.S. in geography is designed to facilitate the growing interest in urban areas, with special emphasis on studying the Phoenix metropolitan area and other rapidly urbanizing regions in arid climates. Tied with geographic information systems (GIS), the urban studies major brings both knowledge and skill sets together in a powerful way. This program, with its focus on GIS, is a viable alternative to the urban planning degree, which has restrictive enrollment.

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 142 - College Mathematics

Transfer Agreements: ASU has partnered with the following institutions to enable you to do a seamless transfer:
Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities: Students successfully completing the program often find employment with city planning agencies, as well as government agencies at various levels (e.g., county, state, federal). The urban studies major, especially when combined with a focus on GIS, gives graduates an advantage in careers in urban planning and other jobs dealing with urban issues, including:

- Economic development planning.
- Housing issues.
- Transportation.

Contact Information:

Liberal Arts & Sciences, College of
School of Geographical Sciences and Urban Planning
<http://geoplan.asu.edu/>
COOR 5673
geoplan@asu.edu
480-965-7533

German, BA (LAGERBA)

Campus: TEMPE

Program Description: Students in the B.A. in German program study the language, literature and culture of German-speaking countries. They gain a respectable measure of competence in reading, writing, oral and aural skills in the German language. They are required to take a number of related courses on topics such as:

- Art.
- German history.
- Government.
- International business.
- Religion.

Students are encouraged to study abroad in Germany as participants in ASU's summer program in Regensburg, or one of the academic-year exchange programs available at several German universities.

Additional Program Fee: N

Second Language Requirement: Y

First Required Math Course: MAT 142 - College Mathematics

Transfer Agreements: ASU has partnered with the following institutions to enable you to do a seamless transfer:
Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities: Graduates have a variety of career opportunities in:

- Airlines.
- International trade firms.
- U.S. companies that have branches in Austria, Germany and Switzerland and other fields.

German is also useful in Eastern and Southeastern Europe. Some students decide to pursue graduate work, eventually teaching the language and culture in universities or colleges. With state certification, high school teaching is also an option.

Contact Information:

Liberal Arts & Sciences, College of
School of International Letters and Cultures
<http://silc.asu.edu/undergraduate/majors-minors-certs>
LL 440
silcadvising@asu.edu
480-965-6281

Global Health, BA (LASSHBA)

Campus: TEMPE

Program Description: The B.A. in global health is an interdisciplinary degree designed for students who seek a broad and flexible set of skills for understanding contemporary health challenges and thinking about how they might best be solved. "Global" is understood in the anthropological sense, meaning ways of understanding and addressing disease, health and well-being that can incorporate all cultures, places and time and that can integrate knowledge of health's social, historical, biological and ecological dimensions.

The curriculum emphasizes the development of core skills in critical thinking and problem solving and the importance of direct experience (research, study abroad, service learning and advocacy). The degree cultivates capacities to deal with any complex problem with social components: how to identify the critical issues, ask the right questions and create solutions that are meaningful and effective.

Students are required to participate in an approved global health study abroad program.

Additional Program Fee: N

Second Language Requirement: Y

First Required Math Course: MAT 142 - College Mathematics

Admission Requirements:

Transfer Agreements: ASU has partnered with the following institutions to enable you to do a seamless transfer:

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities: Nationally and internationally, the health field provides enormous and varied career opportunities, and demands for graduates with skills are high and growing. The major supports the goals of those pursuing careers in academic research, teaching and health services, whether in universities, government agencies, departments of health, international agencies (WHO, CDC, Global Health Council, World Bank, Interamerican Development Bank), non-governmental organizations or in the private sector. The degree also provides those who plan advanced specialist health training, such as in nursing, medicine, dentistry or pharmacy, with a broad intellectual base that enhances later specialist training.

In Arizona and elsewhere, there is a pressing need for professionals with appropriate skills to work in cross-cultural settings or with underserved populations (such as migrants, minorities and those living in poverty), and many of these jobs are directly or indirectly related to health.

Contact Information:

Liberal Arts & Sciences, College of

School of Human Evolution & Social Change

http://shesc.asu.edu/undergraduate_studies

SHESC 233

shesc.undergrad@asu.edu

480-965-6215

Global Studies, BA (LASGSBA)

Campus: TEMPE

Program Description: The global studies program addresses some of the most challenging issues through teaching, research and public policy activities. They include:

- Economic and social development.
- Global climate change.
- Justice and human rights.
- Migration and global households.
- Pandemics and global health.
- The role of global cities.
- World heritage.

Within the program's intellectual framework, students are required to take courses in at least two areas of emphasis, providing them with a broad understanding of global processes and institutions. Areas of emphasis include:

- Cultural perspectives and place.
- Economic development.
- Environment.
- Global governance.
- Urban systems.
- Violence, conflict and human rights.

Global studies faculty members orient their work toward solving global problems, not around traditional disciplines; they have been recruited from highly diverse backgrounds including:

- Anthropology.
- Economics.

- Geography.
- Law.
- Planning.
- Political science.
- Sociology.

Additional Program Fee: N

Second Language Requirement: Y

First Required Math Course: MAT 142 - College Mathematics

Career Opportunities: A global studies degree prepares students for professional and graduate training (including law, business and public policy) and provides professional training to future decision-makers in government, business and policy entities.

Contact Information:

Liberal Arts & Sciences, College of
 School of Politics and Global Studies
<http://pgs.clas.asu.edu/>
 COOR 6705
 spgs@asu.edu
 480-965-8563

History, BA (LAHISBA)

Campus: ONLNE, TEMPE

Program Description: The B.A. in history studies the growth and development of human society from cultural, economic, political and social perspectives. Courses are designed to give students a breadth and depth of understanding about today's complex world and cover a wide range of geographic regions, including:

- Africa.
- Asia.
- Europe.
- Latin America.
- Middle East.
- U.S.

Students choose a primary geographic concentration from:

- Asia.
- Europe.
- Latin America.
- U.S.

Students considering the online campus B.A. in history may see information on that program at <http://asuonline.asu.edu/degree-programs/undergraduate/bachelor-arts-history> (<http://asuonline.asu.edu/degree-programs/undergraduate/bachelor-arts-history>)

Additional Program Fee: N

Second Language Requirement: Y

First Required Math Course: MAT 142 - College Mathematics

Attend Online: ASU offers this program in a fully online format-no face-to-face sessions required. We offer six enrollment sessions throughout the year, and you learn in accelerated, 7.5-week classes. View the program description and request more information here. (<http://asuonline.asu.edu/degree-programs/undergraduate/bachelor-arts-history>)

Transfer Agreements: ASU has partnered with the following institutions to enable you to do a seamless transfer:

- Arizona Western College (<http://transfer.asu.edu/az-western>)
- Central Arizona College (<http://transfer.asu.edu/central-az>)
- Coconino Community College (<http://transfer.asu.edu/coconino>)
- Cochise College (<http://transfer.asu.edu/cochise>)
- Eastern Arizona College (<http://transfer.asu.edu/eastern-az>)
- Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)
- Mohave Community College (<http://transfer.asu.edu/mohave>)
- Northland Pioneer College (<http://transfer.asu.edu/northland-pioneer>)
- Pima Community College (<http://transfer.asu.edu/pima>)

Yavapai College (<http://transfer.asu.edu/yavapai>)

Career Opportunities: History majors seek jobs in:

- Business and industry.
- Education.
- Government.

They pursue graduate study in:

- Business.
- History.
- Justice studies.
- Law.
- Medicine.
- Public administration.
- Public history.
- Theology.

History is an excellent pre-professional major for:

- Business.
- Justice studies.
- Law.
- Medicine.
- Public administration.
- Public history.
- Theology.

A high-quality record as a history major indicates to employers and admissions officers that the student has acquired a respectable degree of literacy. It also demonstrates the student has the ability to conduct research, assimilate material, read critically and evaluate conflicting interpretations of events.

Contact Information:

Liberal Arts & Sciences, College of
Historical, Philosophical & Religious Studies, Sch
<http://shprs.clas.asu.edu/history>
COOR 4595
SHPRSadvising@asu.edu
480-965-8364

Integrated Studies, BA (LAISTBA)

Campus: TEMPE

Program Description: The integrated studies program is not a general studies major, but a unique and highly focused plan of study for gifted students whose academic interests are not served by the more traditional disciplinary studies. Superior students whose interests lie beyond the traditional departmental emphases have the opportunity to work with various faculty members in creating an individualized B.A. plan. Students who elect an integrated studies major pursue a coherent course of study involving more than one department or college. Students majoring in integrated studies transcend the traditional disciplinary structure of the college to concentrate on individually designed areas of study not covered by the traditional major and minor.

Additional Program Fee: N

Second Language Requirement: Y

First Required Math Course: MAT 142 - College Mathematics

Admission Requirements: Not available to freshmen. There is an additional application for this degree. Admissions consist of completion of 32 credit hours at ASU with a GPA of at least 3.25 and three letters of recommendation from ASU faculty members. For more information contact the assistant dean for academic affairs, Office of Student and Academic Programs, Fulton Center, Suite 110.

Career Opportunities: An integrated studies major may or may not be professionally or vocationally oriented, depending on the area of concentration. All integrated studies majors, however, share with all other liberal arts and sciences students the goal of developing analytical and communicative abilities. The program combines breadth of learning with an appropriate depth in some focused area of inquiry. Integrated studies graduates are prepared to enter the work force or pursue graduate or professional studies at the completion of their undergraduate program.

Contact Information:

Liberal Arts & Sciences, College of
Dean, College of Liberal Arts and Sciences
<http://clas.asu.edu/students>
FULTN 110
CLASUndergrad@asu.edu
480-965-6506

Integrated Studies, BS (LAISTBS)

Campus: TEMPE

Program Description: The integrated studies program is not a general studies major, but a unique and highly focused plan of study for gifted students whose academic interests are not served by the more traditional disciplinary studies. Superior students whose interests lie beyond the traditional departmental emphases have the opportunity to work with various faculty members in creating an individualized B.S. plan. Students who elect an integrated studies major pursue a coherent course of study involving more than one department or college. Students majoring in integrated studies transcend the traditional disciplinary structure of the college to concentrate on individually designed areas of study not covered by the traditional major and minor.

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 142 - College Mathematics

Admission Requirements: Not available to freshmen. There is an additional application for this degree. Admissions consist of completion of 32 credit hours at ASU with a GPA of at least 3.25 and three letters of recommendation from ASU faculty members. For more information contact the assistant dean for academic affairs, Office of Student and Academic Programs, Fulton Center, Suite 110.

Career Opportunities: The integrated studies program may or may not be professionally or vocationally oriented, depending on the area of concentration. However, the program shares with all other liberal arts and science degrees the goal of developing analytical and communicative abilities. The program combines breadth of learning with an appropriate depth in some focused area of inquiry. Integrated studies graduates are prepared to enter the work force or pursue graduate or professional studies at the completion of their undergraduate program.

Contact Information:

Liberal Arts & Sciences, College of
Dean, College of Liberal Arts and Sciences
<http://clas.asu.edu>
FULTN 110
CLASUndergrad@asu.edu
480-965-6506

International Letters & Cultures (Classics), BA (LASLCCBA)

Campus: TEMPE

Program Description: The B.A. in international letters and cultures with a concentration in classics allows students to pursue a traditional degree in classics in a nontraditional way. Students are expected to acquire the traditional skills in the core ancient languages and history (with an emphasis in either ancient Greek or Latin language), and they are also asked to seek out courses in several departments across the university and tailor their degree to whatever aspect of classical scholarship appeals to them. This classics degree, therefore, encourages academic enterprise and intellectual and cultural diversity among individual students.

Additional Program Fee: N

Second Language Requirement: Y

First Required Math Course: MAT 142 - College Mathematics

Admission Requirements:

Career Opportunities: The reasoning, research, language and analysis skills developed in study of the classics are well suited for many careers, particularly in:

- Business.
- Education.
- Law.

Contact Information:

Liberal Arts & Sciences, College of
School of International Letters and Cultures
<http://silc.asu.edu/>
LL 440
silcadvising@asu.edu
480-965-6281

International Letters and Cultures, BA (LASLCBA)

Campus: TEMPE

Program Description: The B.A. in international letters and cultures is a degree grounded in the study of at least one foreign language. It is a more transcultural and transdisciplinary degree than a traditional languages and literature degree and is designed to encourage students to explore and even challenge the traditional boundaries of cultures, texts and disciplines. Students choose a program that requires study and research in a minimum of two cultures or disciplines (or both). Students must meet with an advisor in the School of International Letters and Cultures to discuss this degree option.

Additional Program Fee: N

Second Language Requirement: Y

First Required Math Course: MAT 142 - College Mathematics

Admission Requirements:

Career Opportunities: This degree program will provide essential skills that employers in government, education and various business sectors are looking for, including:

- Knowledge of other cultures.
- Proficiency in another language or languages.
- Strong written and oral communication skills.
- Valuable critical thinking and analytical skills.

Contact Information:

Liberal Arts & Sciences, College of
School of International Letters and Cultures
<http://silc.asu.edu/undergraduate/majors-minors-certs>
LL 440
silcadvising@asu.edu
480-965-6281

Italian, BA (LAITABA)

Campus: TEMPE

Program Description: Students in the B.A. in Italian program study the language, literature and culture of Italy. They gain a respectable measure of competence in reading, writing, oral and aural skills in the Italian language. They are required to take a number of related courses on topics such as:

- Art.
- Government.
- Italian history.
- Religion.

A summer program in Florence, Italy, is available for students who wish to study the language and culture while living in the country. There are also study abroad programs in various cities in Italy during the academic year.

Additional Program Fee: N

Second Language Requirement: Y

First Required Math Course: MAT 142 - College Mathematics

Transfer Agreements: ASU has partnered with the following institutions to enable you to do a seamless transfer:
Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities: There are numerous career opportunities for Italian graduates in:

- Airlines.
- Art museums.
- International trade firms, including U.S. companies that have branches in Italy.
- Other fields.

Some graduates pursue doctoral studies, eventually teaching the language in universities or colleges.

Contact Information:

Liberal Arts & Sciences, College of
 School of International Letters and Cultures
<http://silc.asu.edu/undergraduate/majors-minors-certs>
 LL 440
silcadvising@asu.edu
 480-965-6281

Jewish Studies, BA (LAJSTBA)

Campus: TEMPE

Program Description: The B.A. in Jewish studies offers an interdisciplinary, cross-cultural program of study in the humanities that examines ethical, religious and spiritual values while exploring a range of philosophical and political viewpoints and providing a balance to the study of contemporary science and technology. The major focuses on the study of Judaism, defined as the civilization of the Jews. It considers Jewish history and modern life, enhances the student's understanding of Jewish contributions to Western civilization and facilitates enhanced cultural awareness and global perspective.

Students are required to complete course work in one thematic concentration selected from:

- History and society.
- Literature and culture.
- Religion and thought.

Additional Program Fee: N

Second Language Requirement: Y

First Required Math Course: MAT 142 - College Mathematics

Career Opportunities: Jewish Studies is an interdisciplinary, cross-cultural, core discipline within the humanities which explores ethical, religious and spiritual values and provides a balance to the study of contemporary science and technology. Students who receive a B.A. in Jewish studies and pursue a career with one of the hundreds of U.S. companies that do business in Israel will have a competitive edge because of their familiarity with the Hebrew language and Jewish culture. Jewish studies graduates are also prepared to:

- Attend rabbinical seminary in preparation to become a community rabbi or chaplain.
- Engage in world political and economic issues.
- Pursue advanced education in Jewish professional service field(s).
- Pursue advanced degrees related to their area of interest in fields that may include:

- Archaeology.
- Creative writing.
- Ethics.
- Film and media.
- History.
- Journalism.
- Justice studies.
- Law.
- Philosophy.
- Political science.
- Religious studies.

Contact Information:

Liberal Arts & Sciences, College of
 Historical, Philosophical & Religious Studies, Sch
<http://jewishstudies.clas.asu.edu/>

COOR 4465
SHPRSAdvising@asu.edu
480-727-6906

Justice Studies, BA (LAJUSBA)

Campus: TEMPE

Program Description: The B.A. in justice studies is intended for undergraduate students with an interest in an interdisciplinary examination of the philosophical, historical and cultural dimensions of contemporary justice issues. Like the justice studies B.S., the B.A. emphasizes five core areas of study:

- Citizenship, migration and human rights.
- Globalization, sustainability and economic justice.
- Law, policy and social change.
- Media, technology and culture.
- Social identities and communities.

Scholarship in these areas is aligned with finding just solutions to complex social problems locally and globally. Whereas the B.S. degree provides undergraduate students with training in social science research methods and statistics, the B.A. degree will provide an option for students desiring a more humanities-oriented framework from which to approach issues of justice. Students will develop an appreciation for studying:

- Historical events.
- Language, rhetoric and cultural context as they relate to justice.
- Philosophical systems.
- Symbolic meanings.

Additional Program Fee: N

Second Language Requirement: Y

First Required Math Course: MAT 142 - College Mathematics

Transfer Agreements: ASU has partnered with the following institutions to enable you to do a seamless transfer:
Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities: Students who complete the B.A. in justice studies will be prepared to engage in social, political and economic issues through community service and social agency work, including in local and global non-governmental organizations as researchers, administrators or practitioners.

Contact Information:

Liberal Arts & Sciences, College of
School of Social Transformation
<http://sjsi.clas.asu.edu>
WILSN 125
justiceinfo@asu.edu
480-965-7682

Justice Studies, BS (LAJUSBS)

Campus: ONLNE, TEMPE

Program Description: Justice and social inquiry is an innovative social science program that places social justice at the center of its scholarship and teaching. The B.S. in justice studies is designed for students interested in studying the multiple meanings and manifestations of justice and social change, locally and globally. Students receive interdisciplinary training in research methods and theory and take courses that provide them with a comprehensive understanding of substantive issues within five primary research areas. These five core substantive areas are:

- Citizenship, migration and human rights.
- Media, technology and culture.
- Law, policy and social change.
- Globalization, sustainability and economic justice.
- Social identities and communities.

The goal is to enable students, faculty and graduates to use their skills to find solutions to complex social problems.

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 142 - College Mathematics

Attend Online: ASU offers this program in a fully online format-no face-to-face sessions required. We offer six enrollment sessions throughout the year, and you learn in accelerated, 7.5-week classes. View the program description and request more information here. (<http://asuonline.asu.edu/degree-programs/undergraduate/bachelor-science-justice-studies>)

Transfer Agreements: ASU has partnered with the following institutions to enable you to do a seamless transfer:

Arizona Western College (<http://transfer.asu.edu/az-western>)

Central Arizona College (<http://transfer.asu.edu/central-az>)

Coconino Community College (<http://transfer.asu.edu/coconino>)

Cochise College (<http://transfer.asu.edu/cochise>)

Eastern Arizona College (<http://transfer.asu.edu/eastern-az>)

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Mohave Community College (<http://transfer.asu.edu/mohave>)

Northland Pioneer College (<http://transfer.asu.edu/northland-pioneer>)

Pima Community College (<http://transfer.asu.edu/pima>)

Career Opportunities: Many graduates go on to law school, graduate school or other professional degree programs. Students emerge from this program with the knowledge and skills designed to bring social justice concerns to their professional careers. Our graduates work in a variety of fields, including:

- Human welfare agencies.
- Law.
- Non-governmental organizations.
- Other public service organizations.

Contact Information:

Liberal Arts & Sciences, College of

School of Social Transformation

<http://justice.clas.asu.edu>

WILSN 125

justiceinfo@asu.edu

480-965-7682

Mathematics, BA (LAMATBA)

Campus: TEMPE

Program Description: Mathematics is a crucial component in many disciplines where the need for quantification in the analysis of phenomena is strong, such as:

- Business and economics.
- Engineering applications.
- Life sciences.
- Physics.
- Social sciences.

The B.A. in mathematics provides a general background in mathematics, at a level sufficient to improve critical thinking, rigor and problem solving skills required in certain "social" fields. The B.S. requires six more credit hours within the major than the B.A. The B.A. program has a foreign language requirement. A secondary education B.A. with a specialization in mathematics is also available.

Additional Program Fee: Y

Second Language Requirement: Y

First Required Math Course: MAT 243 - Discrete Math Structures

Transfer Agreements: ASU has partnered with the following institutions to enable you to do a seamless transfer:

Arizona Western College (<http://transfer.asu.edu/az-western>)

Central Arizona College (<http://transfer.asu.edu/central-az>)

Cochise College (<http://transfer.asu.edu/cochise>)

Eastern Arizona College (<http://transfer.asu.edu/eastern-az>)

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities: Employment opportunities for math majors can be found in virtually all sectors of industry:

- Academia (e.g., high-school or college teacher, university professor).
- Applied math (scientific computing).
- Business (e.g., actuary for bank or insurance company, operations research).
- Engineering, biotechnology, computer, government (e.g., consultant, federal and state organizations).
- Graduate school (mathematics or other fields).
- Medicine.

Graduates with a B.A. in mathematics may pursue a master's degree in a more applied field (social sciences) or an M.B.A. and typically move on to "social careers" (e.g., social scientist, politics, education). Graduates also have the option of becoming certified to teach mathematics in public middle schools and high schools. Many careers require a command of quantitative methods, and persons qualified in mathematics hold a favorable edge in competition for job opportunities.

Contact Information:

Liberal Arts & Sciences, College of
 School of Mathematical and Statistical Sciences
<http://math.asu.edu/>
 PSA 211
 math@asu.edu
 480-965-7195

Mathematics, BS (LAMATBS)

Campus: TEMPE

Program Description: Mathematics is a crucial component in many disciplines where the need for quantification in the analysis of phenomena is strong, such as:

- Business and economics.
- Engineering applications.
- Life science.
- Physics.
- Social sciences.

The B.S. includes more analytical courses, as well as additional advanced courses, compared to the B.A. It is the most popular math degree at ASU. Many B.S. majors are dual majors in a more applied field, such as physics and engineering.

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 270 - Calculus w/Analytic Geometry I

Transfer Agreements: ASU has partnered with the following institutions to enable you to do a seamless transfer: Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities: Employment opportunities for math majors can be found in virtually all sectors of industry:

- Academia (e.g., high-school or college teacher, university professor).
- Applied math (scientific computing).
- Business (e.g., actuary for bank or insurance company, operations research).
- Engineering, biotechnology, computer, government (consultant, federal and state organizations).
- Graduate school (mathematics or other fields).
- Medicine.

Many careers require a command of quantitative methods, and persons qualified in mathematics hold a favorable edge in competition for job opportunities. Profiles and descriptions of jobs and career paths of actual mathematicians in a wide array of fields are published by the American Mathematical Society.

Contact Information:

Liberal Arts & Sciences, College of
 School of Mathematical and Statistical Sciences
<http://math.asu.edu/>
 PSA 211
 math@asu.edu
 480-965-7195

Mathematics (Secondary Education), BS (LAMATSBS)

Campus: TEMPE

Program Description: The B.S. in mathematics with a concentration in secondary education focuses on course work related to the mathematics that secondary teachers need as background for their own deep understanding of the discipline, as well as the content and methods they will be delivering and using with their own high school students. Students graduating with this concentration will have the recommendation from the Mary Lou Fulton Teachers College to the State of Arizona for high school mathematics certification.

The B.S. in mathematics with a concentration in secondary education is also intended for students who wish to pursue a graduate degree in mathematics.

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 270 - Calculus w/Analytic Geometry I

Career Opportunities: Employment opportunities for math majors are found in virtually all sectors of industry, government and education:

- Applied math (scientific computing).
- Business (e.g., actuary for bank or insurance company, operations research).
- Engineering, biotechnology, computer, government (e.g., consultant, federal and state organizations).
- Graduate school (mathematics or other fields).
- Medicine.
- Teaching (e.g., high-school or college teacher).

A course of study in secondary mathematics education is especially advantageous for competitive high school teaching positions. Graduates will have the recommendation for becoming certified and teaching mathematics in public high schools.

Contact Information:

Liberal Arts & Sciences, College of

School of Mathematical and Statistical Sciences

<http://math.asu.edu/>

PSA 211

math@asu.edu

480-965-7195

Mathematics (Statistics), BS (LAMATTBS)

Campus: TEMPE

Program Description: Mathematics is a crucial component in many disciplines where the need for quantification in the analysis of phenomena is strong, such as:

- Business and economics.
- Engineering applications.
- Life sciences.
- Physics.
- Social sciences.

The B.S. in mathematics with a concentration in statistics focuses on course work related to the statistical analysis of data and the evaluation of probabilistic models based on these data. Such models are heavily used in the banking and insurance industries, but also increasingly in more engineering fields where the effects of noise sometimes play a critical role in the behavior of a model. Many B.S. students in the statistics concentration are dual business or economics majors.

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 270 - Calculus w/Analytic Geometry I

Career Opportunities: Employment opportunities for math majors can be found in virtually all sectors of industry:

- Academia (e.g., high-school or college teacher, university professor).
- Applied math (scientific computing).
- Business (e.g., actuary for bank or insurance company, operations research).
- Engineering, biotechnology, computer, government (e.g., consultant, federal and state organizations).
- Graduate school (mathematics or other fields).
- Medicine.

A course of study in statistics is especially useful in technical positions in finance, insurance and business, as well as in fields where data analysis plays an important role, such as genomics. Graduates also have the option of becoming certified to teach mathematics in public middle schools and high schools. Many careers require a command of quantitative methods, and persons qualified in mathematics hold a favorable edge in competition for job opportunities.

Contact Information:

Liberal Arts & Sciences, College of
School of Mathematical and Statistical Sciences
<http://math.asu.edu/>
PSA 211
math@asu.edu
480-965-7195

Microbiology, BS (LAMICBS)

Campus: TEMPE

Program Description: In microbiology, students study the branch of biology involving the smallest of living things - bacteria, fungi, algae, protozoa, and viruses - and immunology, the study of all aspects of the immune system. Despite their small size, microbes are fundamental to life on earth and compose the majority of all life forms on earth. In addition to their essential contributions to the natural world, microbes have been model experimental subjects due to their impact on human health and their ease of manipulation in the laboratory. A significant portion of medical research employs microbiological and immunological methods in order to examine basic genetic and biological phenomena.

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 251 - Calculus for Life Sciences

Transfer Agreements: ASU has partnered with the following institutions to enable you to do a seamless transfer:

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities: The microbiology degree program places emphasis on understanding microorganisms and their interrelationships with other organisms in nature and on the influence of microorganisms in biomedicine and biotechnology. Students in the microbiology degree program will study not only the background and current findings in the field of microbiology, but also acquire the critical thinking skills and the hands-on laboratory and field skills required to succeed in science. The major provides excellent training for pre-med, pre-dental, pre-vet, and pre-pharmacy students, as well as advanced study in microbiology and immunology.

The discipline of microbiology is diverse, and the job opportunities for microbiologists are enormous. Graduates with a degree in microbiology have opportunities for employment in research laboratories, hospitals, government, public health laboratories, and industrial laboratories such as food, dairy, chemical, pharmaceutical, environmental and biotechnology companies. Many students are also suitably prepared for admission into medical, dental, veterinarian, pharmacy, or graduate school.

Contact Information:

Liberal Arts & Sciences, College of
School of Life Sciences
<http://sols.asu.edu/>
LSC 206
sols.advising@asu.edu
480-727-6277

Molecular Biosciences/Biotechnology, BS (LAMBBS)

Campus: TEMPE

Program Description: Molecular biosciences and biotechnology encompasses many of the cutting-edge disciplines in life sciences research. Biotechnology is an exciting, rapidly growing field with major applications in agriculture ("green" biotechnology leading to improved crops or production of vaccines in plants), health care ("red" biotechnology leading to better therapeutics, diagnostics and "personalized medicine") and industry ("white" biotechnology leading to sustainable production of energy, enzymes and chemicals).

Our molecular biosciences and biotechnology degree program is differentiated from the other life sciences majors by its focus on the interface between molecular biology and biotechnology. This interface drives many of our major advancements in knowledge and in applied research and development, like the development of next-generation biomedical products or biofuels. Other hallmarks of this program are the focus on hands-on research and the capstone course with both science and business/entrepreneurial components.

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 251 - Calculus for Life Sciences

Career Opportunities: The molecular biosciences and biotechnology degree program provides excellent background and training for a growing number of careers that incorporate this innovative area of the molecular life sciences. Independent research and courses with classroom plus lab components result in a solid basis of knowledge and practical expertise in biotechnology and the molecular biosciences providing many options for further education or for entering the workforce. After graduation, many molecular biosciences and biotechnology students enter graduate programs in an molecular biosciences and biotechnology related area, but a number of students also enroll in medical school or other health-related professional programs, or in other advanced programs. Students also have the knowledge and technical skills to enter the biotechnology workforce in an area matching their expertise and interest.

The molecular biosciences and biotechnology program has a faculty mentoring program, which provides students with the opportunity to speak with faculty regarding career choices, selection and timeline of major courses and of independent research projects, and much more.

Contact Information:

Liberal Arts & Sciences, College of

School of Life Sciences

<http://sols.asu.edu/>

LSE 218

sols@asu.edu

480-965-6899

Philosophy, BA (LAPHIBA)

Campus: TEMPE

Program Description: A B.A. in philosophy offers a unique course of study. As the American Philosophical Association says, "Philosophy is quite unlike any other field ... it is a reasoned pursuit of fundamental truths, a quest for understanding, a study of principles of conduct. It seeks to establish standards of evidence, to provide rational methods of resolving conflicts and to create techniques for evaluating ideas and arguments. Philosophy develops the capacity to see the world from the perspective of other individuals and other cultures; it enhances one's ability to perceive the relationships among the various fields of study; and it deepens one's sense of the meaning and varieties of human experience."

Additional Program Fee: N

Second Language Requirement: Y

First Required Math Course: MAT 142 - College Mathematics

Transfer Agreements: ASU has partnered with the following institutions to enable you to do a seamless transfer:

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Yavapai College (<http://transfer.asu.edu/yavapai>)

Career Opportunities: The analytical, rhetorical and writing skills developed through the study of philosophy provide ideal preparation for a wide range of careers, including:

- Business.
- Education.
- Journalism.
- Law.
- Medicine.
- Public Service.

Contact Information:

Liberal Arts & Sciences, College of

Historical, Philosophical & Religious Studies, Sch

<http://shprs.clas.asu.edu/philosophy>

COOR 3305

SHPRSadvising@asu.edu

480-965-8364

Physics, BA (LAPHYBA)

Campus: TEMPE

Program Description: Physics is concerned with the nature, structure and interactions of matter and radiation. The B.A. in physics provides a flexible and efficient option for students who are interested in a liberal arts degree with broad knowledge of physics. This degree program is ideal for students seeking to complete two degrees, with physics as the second degree. Students wishing to pursue a graduate degree in physics are advised to consider the B.S. in physics.

Additional Program Fee: Y

Second Language Requirement: Y

First Required Math Course: MAT 270 - Calculus w/Analytic Geometry I

Transfer Agreements: ASU has partnered with the following institutions to enable you to do a seamless transfer:

Central Arizona College (<http://transfer.asu.edu/central-az>)

Career Opportunities: Students graduating with a B.A. degree in physics may pursue such careers as:

- Health physicist.
- Lawyer.
- Medical doctor (with additional pre-medical course work).
- Patent attorney.
- Physical therapist.
- Radiation physicist.
- Research/lab assistant.
- Science policy analyst.
- Secondary science teacher.
- Technology support analyst.

Contact Information:

Liberal Arts & Sciences, College of

Department of Physics

<http://physics.asu.edu>

PSF 470

physics.info@asu.edu

480-965-3561

Physics, BS (LAPHYBS)

Campus: TEMPE

Program Description: Physics is concerned with the nature, structure and interactions of matter and radiation. The B.S. degree in physics provides students a thorough background in physics appropriate for further graduate study in physics, other sciences, or engineering programs.

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 270 - Calculus w/Analytic Geometry I

Career Opportunities: The broad range of applicability of the principles of physics gives the physicist great flexibility in a choice of career or further education. About half of the graduates with a bachelor's degree in physics go on to graduate school in:

- Astronomy.
- Engineering.
- Medicine.
- Physics.

The other half go directly into employment in areas such as:

- Education and business.
- Engineering.
- Materials science.

Contact Information:

Liberal Arts & Sciences, College of

Department of Physics

<http://physics.asu.edu>

PSF 470

physics.info@asu.edu

480-965-3561

Political Science, BA (LAPOSBA)

Campus: ONLINE, TEMPE

Program Description: The B.A. in political science offers students the necessary skills and knowledge to participate effectively as citizens in a democratic political system and to flourish in the rapidly developing globalization of the world's political institutions, cultures, and economies. The major aims to provide students with the tools and skills necessary to make connections linking theory with real world problems and issues.

Additional Program Fee: N

Second Language Requirement: Y

First Required Math Course: MAT 142 - College Mathematics

Attend Online: ASU offers this program in a fully online format-no face-to-face sessions required. We offer six enrollment sessions throughout the year, and you learn in accelerated, 7.5-week classes. View the program description and request more information here.

(<http://asuonline.asu.edu/degree-programs/undergraduate/bachelor-arts-bachelor-science-political-science>)

Transfer Agreements: ASU has partnered with the following institutions to enable you to do a seamless transfer:

Arizona Western College (<http://transfer.asu.edu/az-western>)

Central Arizona College (<http://transfer.asu.edu/central-az>)

Coconino Community College (<http://transfer.asu.edu/coconino>)

Cochise College (<http://transfer.asu.edu/cochise>)

Eastern Arizona College (<http://transfer.asu.edu/eastern-az>)

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Mohave Community College (<http://transfer.asu.edu/mohave>)

Northland Pioneer College (<http://transfer.asu.edu/northland-pioneer>)

Pima Community College (<http://transfer.asu.edu/pima>)

Yavapai College (<http://transfer.asu.edu/yavapai>)

Career Opportunities: Many of our graduates have gone on to some of the country's most prestigious graduate programs and schools. Graduating seniors have also found a range of employment opportunities in:

- Communication.
- Education.
- Journalism.
- Law.
- Politics.
- Public service.

In fact, some of our graduating seniors have been hired to work at:

- The Arizona governor's office.
- The Federal Reserve.
- The judiciary.
- Local and national newspapers.
- Multinational corporations, state and local government.

Contact Information:

Liberal Arts & Sciences, College of

School of Politics and Global Studies

<http://pgs.clas.asu.edu/>

COOR 6797

spgs@asu.edu

480-965-6551

Political Science, BS (LAPOSBS)

Campus: ONLINE, TEMPE

Program Description: The B.S. in political science offers students the necessary skills and knowledge to participate effectively as citizens in a democratic political system and to flourish in the rapidly developing globalization of the world's political institutions, cultures and economies. The major aims to provide students with the tools and skills necessary to make connections linking theory with real-world problems and issues.

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 142 - College Mathematics

Attend Online: ASU offers this program in a fully online format-no face-to-face sessions required. We offer six enrollment sessions throughout the year, and you learn in accelerated,7.5-week classes. View the program description and request more information here. (<http://asuonline.asu.edu/degree-programs/undergraduate/bachelor-arts-bachelor-science-political-science>)

Transfer Agreements: ASU has partnered with the following institutions to enable you to do a seamless transfer:
Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)
Mohave Community College (<http://transfer.asu.edu/mohave>)

Career Opportunities: Many of our graduates have gone on to some of the country's most prestigious graduate programs and schools. Graduating seniors have also found a range of employment opportunities in the fields of:

- Communication.
- Education.
- Journalism.
- Law.
- Politics.
- Public service.

In fact, some of our graduating seniors have been hired to work at:

- The Arizona governor's office.
- The Federal Reserve.
- The judiciary.
- Local and national newspapers.
- Multinational corporations, state and local government.

Contact Information:

Liberal Arts & Sciences, College of
School of Politics and Global Studies
<http://pgs.clas.asu.edu/>
COOR 6797
spgs@asu.edu
480-965-6551

Psychology, BA (LAPGSBA)

Campus: TEMPE

Program Description: The Department of Psychology is among the largest and most popular departments on the ASU Tempe campus. Psychology is the study of behavior, emotions and the mental processes of individuals and groups, approached through a scientific methodology. The B.A. in psychology focuses on appreciating and understanding the human condition from a scientific, psychological point of view. All psychology majors learn about statistics and research methods and use psychology content courses to develop skill sets in diverse settings, including the department's child development facilities or internships. Students in the B.A. program are exposed to theories and research addressing such fascinating topics as:

- How can people use social influence to increase compliance?
- How do children develop?
- How do people remember information over long periods of time?
- How do the mind and body react to stress?
- Which types of treatments are most effective for individuals who are depressed?

Additional Program Fee: Y

Second Language Requirement: Y

First Required Math Course: MAT 170 - Precalculus

Admission Requirements: Freshman admission requirements for this program are the same as the university's freshman admission requirements. Transfer applicants must meet university transfer admission requirements and have successfully completed the following courses (or their equivalents) with a grade of "C" or better: PGS 101 Introduction to Psychology, ENG 101 First-Year Composition, MAT 170 Precalculus. Transfer students should select an additional major when applying for admission. Related disciplines include: Anthropology, biology, sociology, and philosophy. Readmission applicants must meet university readmission requirements, ASU cumulative GPA of 2.00 or better and have completed the following courses (or their equivalents) with a grade of C or better: PGS 101 Introduction to Psychology, ENG 101 First-Year Composition, MAT 170

Precalculus. Readmission students should select an additional major when applying for readmission. Related disciplines include: Anthropology, biology, sociology, and philosophy (College of Liberal Arts and Sciences, Tempe campus), OR applied psychology (BS) - Polytechnic campus, psychology (BA/BS) - West campus.

Students with fewer than 45 hours who are not admissible to a Psychology Department psychology major and who did not select a second major or are not admissible to their second major choice will be placed in the exploratory social/behavioral sciences program in University College.

Students with more than 45 hours who are not admissible to a Psychology Department psychology major and who did not select a second major or are not admissible to their second major choice will be contacted to select an appropriate major. Related disciplines include: Anthropology, biology, sociology, and philosophy, (College of Liberal Arts and Sciences, Tempe campus), OR applied psychology (BS) - Polytechnic campus, psychology (BA/BS) - West campus.

Current ASU students who wish to change their current major to a Psychology Department psychology major must have an ASU cumulative GPA of 2.00 or better and have completed the following courses (or their equivalents) with a grade of "C" or better: PGS 101 Introduction to Psychology, ENG 101 First-Year Composition, MAT 170 Precalculus.

Transfer Agreements: ASU has partnered with the following institutions to enable you to do a seamless transfer:

Arizona Western College (<http://transfer.asu.edu/az-western>)

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Northland Pioneer College (<http://transfer.asu.edu/northland-pioneer>)

Pima Community College (<http://transfer.asu.edu/pima>)

Yavapai College (<http://transfer.asu.edu/yavapai>)

Career Opportunities: The B.A. in psychology is designed to prepare students to work in a variety of settings that provide opportunities to apply concepts and principles of psychology. This degree provides students the opportunity to develop a broad range of highly marketable skills, including analytical skills, writing and public speaking skills, as well as teamwork and leadership skills. These skills lead to many career opportunities or graduate degrees in such fields as counseling, social work, family therapy and law.

Contact Information:

Liberal Arts & Sciences, College of

Department of Psychology

<http://psychology.clas.asu.edu/advising/meet-with-an-advisor>

PSY 255

psych.advisor@asu.edu

480-965-7258

Psychology, BS (LAPGSBS)

Campus: TEMPE

Program Description: The Department of Psychology is among the largest and most popular departments on the ASU Tempe campus.

Psychology is the study of behavior, emotions and the mental processes of individuals and groups, approached through a scientific methodology.

The B.S. in psychology focuses on appreciating and understanding the human condition from a scientific, psychological point of view emphasizing quantitative skills. All psychology majors learn about statistics and research methods and use psychology content courses to develop skill sets to understand behavior in diverse settings.

Students in the B.S. program are exposed to theories and research addressing such fascinating topics as:

- How can people use social influence to increase compliance?
- How do children develop?
- How do people remember information over long periods of time?
- How do the mind and body react to stress?
- Which types of treatments are most effective for individuals who are depressed?

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 251: Calculus for Life Sciences OR MAT 270: Calculus with Analytic Geometry I

Admission Requirements: Freshman admission requirements for this program are the same as the university's freshman admission requirements. Transfer applicants must meet university transfer admission requirements and have successfully completed the following courses (or their equivalents) with a grade of "C" or better: PGS 101 Introduction to Psychology, ENG 101 First-Year Composition, MAT 170 Precalculus.

Transfer students should select an additional major when applying for admission. Related disciplines include: Anthropology, biology, sociology, and philosophy. Readmission applicants must meet university readmission requirements, ASU cumulative GPA of 2.00 or better and have completed the following courses (or their equivalents) with a grade of "C" or better: PGS 101 Introduction to Psychology, ENG 101 First-Year Composition, MAT 170 Precalculus. Readmission students should select an additional major when applying for readmission. Related disciplines include: Anthropology, biology, sociology, and philosophy (College of Liberal Arts and Sciences, Tempe campus), OR applied psychology (BS) - Polytechnic campus, psychology (BA/BS) - West campus.

Students with fewer than 45 hours who are not admissible to a Psychology Department psychology major and who did not select a second major or

are not admissible to their second major choice will be placed in the exploratory social/behavioral sciences program in University College. Students with more than 45 hours who are not admissible to a Psychology Department psychology major and who did not select a second major or are not admissible to their second major choice will be contacted to select an appropriate major. Related disciplines include: Anthropology, biology, sociology, and philosophy, (College of Liberal Arts and Sciences, Tempe campus), OR applied psychology (BS) - Polytechnic campus, Psychology (BA/BS) - West campus.

Current ASU students who wish to change their current major to a Psychology Department psychology major must have an ASU cumulative GPA of 2.00 or better and have completed the following courses (or their equivalents) with a grade of "C" or better: PGS 101 Introduction to Psychology, ENG 101 First-Year Composition, MAT 170 Precalculus.

Transfer Agreements: ASU has partnered with the following institutions to enable you to do a seamless transfer:

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Pima Community College (<http://transfer.asu.edu/pima>)

Yavapai College (<http://transfer.asu.edu/yavapai>)

Career Opportunities: The B.S. in psychology is designed to prepare students to work in a variety of settings that provide opportunities to apply concepts and principles of psychology. This degree provides students the opportunity to develop a broad range of highly marketable skills, including analytical skills, writing and public speaking skills, as well as teamwork and leadership skills. These skills lead to many career opportunities or graduate degrees in such fields as counseling, social work and family therapy. The B.S. in psychology also leads to professional postgraduate programs in the fields of law and medicine.

Contact Information:

Liberal Arts & Sciences, College of

Department of Psychology

<http://psychology.clas.asu.edu/advising/meet-with-an-advisor>

PSY 255

psych.advisor@asu.edu

480-965-7258

Psychology (Psychological Science), BS (LAPGSPSBS)

Campus: TEMPE

Program Description: The B.S. in psychology with a concentration in psychological science emphasizes critical thinking and analytic and quantitative skills involved in psychological research to prepare students for graduate study. Students take advanced course work in statistics, and receive hands-on research experience by working with faculty members in the laboratory. Students are exposed to theories and research addressing such topics as:• How do children develop?• How do people remember information over long periods of time?• How do the mind and body react to stress?• How can people use social influence to increase compliance?• Which types of treatments are most effective for individuals who are depressed?

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 251 - Calculus for Life Sciences Or MAT 270 Calculus with Analytical Geometry

Admission Requirements: The B.S. in psychology with a concentration in psychological science is open to students who have:

- Completed B.S. in psychology critical courses (ENG 101, ENG 102, MAT 251 or MAT 270, PGS 101, PSY 230, PSY 290) with a "C" or better.
- Earned at least 45 credit hours.
- Earned at least an ASU 3.00 cumulative GPA.

Students must maintain at least a 3.00 cumulative GPA from admittance through graduation.

Career Opportunities: The B.S. in psychology emphasizes critical thinking and analytic and quantitative skills involved in psychological research to prepare students for graduate study in psychology to be researchers, teachers, or clinicians.

Contact Information:

Liberal Arts & Sciences, College of

Department of Psychology

<http://psychology.clas.asu.edu/>

PSY 237

psychology@asu.edu

480-967-7598

Religious Studies, BA (LARELBA)

Campus: ONLNE, TEMPE

Program Description: Students in the B.A. in religious studies program engage in the comparative, cross-cultural study of religions and cultures.

Employing various disciplinary approaches, including the historical, sociological, anthropological and theological, the academic study of religion seeks to interpret, analyze and evaluate the nature and role of religion in the lives of individuals and societies.

The faculty of religious studies enjoy an excellent national reputation and the degree is distinctive at ASU because the relatively small number of majors allows undergraduates to receive individual faculty attention, which is often not possible in larger departments.

Additional Program Fee: N

Second Language Requirement: Y

First Required Math Course: MAT 142 - College Mathematics

Attend Online: ASU offers this program in a fully online format-no face-to-face sessions required. We offer six enrollment sessions throughout the year, and you learn in accelerated,7.5-week classes. View the program description and request more information here. (<http://asuonline.asu.edu/degree-programs/undergraduate/bachelor-arts-religious-studies>)

Transfer Agreements: ASU has partnered with the following institutions to enable you to do a seamless transfer: Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities: A degree in religious studies provides a strong liberal arts background and excellent training in critical thinking and writing. Such a liberal education, which includes the development of basic intellectual skills, has become increasingly attractive to employers seeking to hire recent college graduates. Students with a degree in religious studies are also well positioned to pursue graduate studies and professional programs, including:

- Business.
- Divinity.
- Journalism.
- Law.
- Nonprofit management.
- Social work.

Contact Information:

Liberal Arts & Sciences, College of
Historical, Philosophical & Religious Studies, Sch
http://shprs.clas.asu.edu/religious_studies
COOR 4595
SHPRSadvising@asu.edu
480-965-7145

Russian, BA (LARUSBA)

Campus: TEMPE

Program Description: Students in the B.A. in Russian program study the language, literature and culture of Russia. They gain a respectable measure of reading, writing, oral and aural skills in the Russian language, engaging in:

- Art and architecture.
- Government and politics.
- History and sociology.
- International business.
- Linguistics.
- Literary and cultural theory.
- Literature.
- Music and dance.
- Religion.

The Russian language program also cooperates with other related units within the university (e.g., the Melikian Center for Russian, Eurasian and East European Studies) to offer a Russian and East European Studies Certificate (REESC).

Students may also take summer intensive courses in Macedonian, Albanian, Armenian, Serbo-Croatian, Tatar, Polish and a number of other Central Asian languages, through the Critical Language Institute at ASU.

A study abroad program is offered in Macedonia, and advanced Russian language students may study in Moscow and St. Petersburg during the summer.

Additional Program Fee: N

Second Language Requirement: Y

First Required Math Course: MAT 142 - College Mathematics

Transfer Agreements: ASU has partnered with the following institutions to enable you to do a seamless transfer:
Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities: Graduates have a variety of career opportunities. At present these graduates have an enviable record of postgraduate placement in the job market. Many work for firms that deal with international trade or for U.S. companies that have branches in Russia, while many find positions within government service or in teaching. A few pursue graduate work in Russian studies, eventually teaching the language and culture in universities or colleges.

Contact Information:

Liberal Arts & Sciences, College of
School of International Letters and Cultures
<http://silc.asu.edu/undergraduate/majors-minors-certs>
LL 440
silcadvising@asu.edu
480-965-6281

Sociology, BS (LASOCBS)

Campus: ONLNE, TEMPE

Program Description: Sociology is the study of social life, social change and the social causes and consequences of human behavior. The B.S. in sociology trains students in written communication, computer skills, statistics and research methods. It offers a wide variety of substantive courses on contemporary social issues, ranging from crime to population trends, and courses on social institutions, such as the family, education and religion.

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 142 - College Mathematics

Attend Online: ASU offers this program in a fully online format-no face-to-face sessions required. We offer six enrollment sessions throughout the year, and you learn in accelerated, 7.5-week classes. View the program description and request more information here.
(<http://asuonline.asu.edu/degree-programs/undergraduate/bachelor-science-sociology>)

Transfer Agreements: ASU has partnered with the following institutions to enable you to do a seamless transfer:

Arizona Western College (<http://transfer.asu.edu/az-western>)
Central Arizona College (<http://transfer.asu.edu/central-az>)
Coconino Community College (<http://transfer.asu.edu/coconino>)
Cochise College (<http://transfer.asu.edu/cochise>)
Eastern Arizona College (<http://transfer.asu.edu/eastern-az>)
Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)
Mohave Community College (<http://transfer.asu.edu/mohave>)
Northland Pioneer College (<http://transfer.asu.edu/northland-pioneer>)
Pima Community College (<http://transfer.asu.edu/pima>)
Yavapai College (<http://transfer.asu.edu/yavapai>)

Career Opportunities: An undergraduate degree in sociology provides excellent preparation for future graduate work in sociological research, social work, law, medicine and counseling and prepares undergraduates for direct entry into positions in business, social service and government.

Contact Information:

Liberal Arts & Sciences, College of
School of Social and Family Dynamics
<http://ssfd.clas.asu.edu/>
SS 144
email@ssfd.info
480-965-6978

Spanish, BA (LASPABA)

Campus: ONLNE, TEMPE

Program Description: Students in the B.A. in Spanish program have the opportunity to gain oral, reading, speaking and written proficiency in the language. The program offers two study tracks from which to choose, 1) literature and culture, or 2) Spanish linguistics.

The literature and culture track provides an in-depth understanding of the themes of Spanish and Latin American culture and literature and the contemporary issues throughout the Spanish-speaking world.

The Spanish linguistics track provides an in-depth understanding of the Spanish language (syntax, morphology) and may include courses in

translation (English to Spanish).

Students are encouraged to contact a school advisor to discuss the two available tracks. ASU offers opportunities throughout the year to study in Spain, Mexico and other Spanish-speaking countries through study abroad and exchange programs. Students majoring in Spanish may also work toward a professional certificate in Spanish/English translation.

Additional Program Fee: N

Second Language Requirement: Y

First Required Math Course: MAT 142 - College Mathematics

Attend Online: ASU offers this program in a fully online format-no face-to-face sessions required. We offer six enrollment sessions throughout the year, and you learn in accelerated, 7.5-week classes.

Transfer Agreements: ASU has partnered with the following institutions to enable you to do a seamless transfer:
Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities: Graduates may choose from several career options:

- Become certified to teach high school.
- College or university teaching and research in linguistics or literature through advanced degrees.
- Translation or interpretation studies.

Graduates may combine Spanish with other fields with an international emphasis, such as:

- Business.
- Engineering.
- Journalism.
- Political science.

Contact Information:

Liberal Arts & Sciences, College of
School of International Letters and Cultures
<http://silc.asu.edu/undergraduate/majors-minors-certs>
LL 440
silcadvising@asu.edu
480-965-6281

Speech & Hearing Science, BS (LASHSBS)

Campus: TEMPE

Program Description: Students in the B.S. in speech and hearing science program study the normal aspects of the communication process. Emphasis is placed on:

- Anatomy and physiology of the hearing mechanism.
- Speech, language and hearing science.
- The human communication system, including normal development of speech and language.

Graduates attain broad-based knowledge in the basic aspects of speech, language and hearing sciences, which prepares them for graduate studies in audiology or speech language pathology.

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 170 - Precalculus

Transfer Agreements: ASU has partnered with the following institutions to enable you to do a seamless transfer:
Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities: Employment opportunities for those with a B.S. may include positions as:

- Management trainees.
- Research assistants/associates in behavioral disciplines.
- Speech-language pathology assistants.

Primarily, a degree in this field prepares the student for entrance into a graduate program in speech-language pathology (SLP) or audiology. In both

fields, a graduate degree is required for employment.

The undergraduate degree in speech and hearing science is also excellent preparation for those who wish to enter other professional graduate programs such as:

- Education.
- Law.
- Medicine.
- Rehabilitation.
- Special education.
- Teaching for the deaf.

Graduates in SLP and audiology can work in a variety of settings:

- Clinics.
- Hospitals.
- Schools.

Contact Information:

Liberal Arts & Sciences, College of
Department of Speech and Hearing Science
<http://shs.asu.edu/>
COOR 2215
shsinfo@asu.edu
480-965-4520

Transborder Chicana/o & Latina/o Studies (Media and Expressive Culture), BA (LATCLMBA)

Campus: TEMPE

Program Description: Students choosing this concentration study the expressive cultures of Latina/o communities. The objective is to equip students with the critical skills to understand how expressive culture produces and reproduces historical and cultural narratives about Latina/o communities in general and Mexican and Chicana/o communities specifically. Students engage in the study of these narratives in transdisciplinary, humanities-based contexts, including:

- History.
- Literature.
- Media.
- Performance.
- Visual art.

The concentration exposes students to the contributions that transborder communities have made to the arts and humanities. Student outcomes include 1) becoming critical consumers of media and expressive culture, and 2) becoming conversant in the meaning-making processes and practices that shape and impact Latina/o populations.

Additional Program Fee: N

Second Language Requirement: Y

First Required Math Course: MAT 142 - College Mathematics

Transfer Agreements: ASU has partnered with the following institutions to enable you to do a seamless transfer:
Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities: The bachelor's program in transborder Chicana/o and Latina/o studies prepares ASU graduates for career opportunities in a variety of national and international fields, including:

- Business fields.
- Communication.
- Education.
- Health services.
- Justice studies.
- Public policy and administration.

Transborder Chicana/o and Latina/o majors will also be well prepared to enter graduate study in such high need career fields as:

- Business.
- Education.
- Law.
- Medicine.
- Public health.
- Social work.

Contact Information:

Liberal Arts & Sciences, College of
 School of Transborder Studies
<http://sts.asu.edu/>
 INTDSB 165
 sts.info@asu.edu
 480-965-5091

Transborder Chicana/o & Latina/o Studies (Transborder Community Development and Health), BA (LATCLTBA)

Campus: TEMPE

Program Description: The B.A. in transborder Chicana/o and Latina/o studies is an interdisciplinary degree program with the central mission of providing a value-added environment that increases the direct participation of Chicana/o and Latina/o populations in the formation of human and capital development.

By developing a program of social science research and teaching with an emphasis on community development and health, students will concentrate on patterns of physical, mental and social health disparities closely associated with:

- Differential health care.
- Learning how to develop appropriate mitigating applied programs.
- Limited access to insurance.
- Poverty.
- Reliance on emergency measures and facilities.

Other major orientations with an applied focus will include:

- Environmental home health.
- Vulnerable populations.

Additional Program Fee: N

Second Language Requirement: Y

First Required Math Course: MAT 142 - College Mathematics

Transfer Agreements: ASU has partnered with the following institutions to enable you to do a seamless transfer:

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities: The bachelor's program in transborder Chicana/o and Latina/o studies prepares ASU graduates for career opportunities in a variety of national and international fields, including:

- Business fields.
- Communication.
- Education.
- Health services.
- Justice studies.
- Public policy and administration.

Transborder Chicana/o and Latina/o majors will also be well prepared to enter graduate study in such high-need career fields as:

- Business.
- Education.
- Law.
- Medicine.
- Public health.

- Social work.

Contact Information:

Liberal Arts & Sciences, College of
School of Transborder Studies
<http://sts.asu.edu/>
INTDSB 165
sts.info@asu.edu
480-965-5091

Transborder Chicana/o & Latina/o Studies (US and Mexican Regional Immigration Policy & Economy), BA (LATCLUBA)

Campus: TEMPE

Program Description: The B.A. in transborder Chicana/o and Latina/o studies is an interdisciplinary degree whose central mission is to provide a value-added environment that increases the direct participation of Chicana/o and Latina/o populations in the formation of human and capital development. This concentration has a strong applied orientation and focuses on the regional and transnational policies and practices that have led to enormous demographic changes in the borderlands of the immediate U.S.-Mexico border region, and the entire country.

We focus on the manner in which economic and political decisions between Mexico and the United States, as well as other transnational policies concerning other countries, strongly influence:

- Demographic transitions.
- Ecological conditions.
- Economic policy towards trade.
- The nexus of relations that are established across borders at local, regional and transborder levels.
- The present state of human migration.

Additional Program Fee: N

Second Language Requirement: Y

First Required Math Course: MAT 142 - College Mathematics

Transfer Agreements: ASU has partnered with the following institutions to enable you to do a seamless transfer:

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities: The bachelor's program in transborder Chicana/o and Latina/o studies prepares ASU graduates for career opportunities in a variety of national and international fields, including:

- Business fields.
- Communication.
- Education.
- Health services.
- Justice studies.
- Public policy and administration.

Transborder Chicana/o and Latina/o majors will also be well prepared to enter graduate study in such high need career fields as:

- Business.
- Education.
- Law.
- Medicine.
- Public health.
- Social work.

Contact Information:

Liberal Arts & Sciences, College of
School of Transborder Studies
<http://sts.asu.edu/>
INTDSB 165
sts.info@asu.edu
480-965-5091

Urban Planning, BSP (ARPUPBSP)

Campus: TEMPE

Program Description: Urban planners guide communities in making wise decisions about their use of land and resources. The B.S.P. in urban planning program offers students expertise in both the analysis and the synthesis of the physical, social, political and economic issues that shape urban and regional development. Students take courses that include:

- Comprehensive planning, socioeconomic and environmental analysis.
- Computer and analytical methods.
- Planning law.
- Public-policy formulation and administration.
- Site planning.
- Urban design.

Planning includes:

- Computer and research methods.
- Environmental impact assessment.
- Geographic information systems.
- Housing.
- Landscape architecture and urban design.
- Planning and zoning law.
- Public policy formulation and administration.
- Transportation.
- Urban and development economics.
- Utilities.

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 142 - College Mathematics

Admission Requirements:

Career Opportunities: Graduates in planning pursue career opportunities with private planning firms and governmental planning agencies. Some planners elect to pursue graduate degrees to develop specialty skills and to enhance their opportunities for career advancement.

Contact Information:

Liberal Arts & Sciences, College of

School of Geographical Sciences and Urban Planning

<http://geoplan.asu.edu/>

COOR 5673

geoplan@asu.edu

480-965-7533

Women and Gender Studies, BA (LAWSTBA)

Campus: TEMPE

Program Description: The B.A. in women and gender studies offers a comprehensive program of study that empowers students to make a difference in the world. Students learn to challenge conventional wisdom about gender and learn new ways of viewing the world through the study of:

- Culture.
- Economics.
- Film.
- History.
- Literature.
- Politics.
- Science.

Internship and leadership opportunities allow students to pursue career goals in:

- Business.
- Government.
- Nonprofit organizations.

Additional Program Fee: N

Second Language Requirement: Y

First Required Math Course: MAT 142 - College Mathematics

Transfer Agreements: ASU has partnered with the following institutions to enable you to do a seamless transfer:
Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities: The interdisciplinary women and gender studies program prepares students for many different career opportunities upon graduation. Graduates have:

- Become consultants and counselors.
- Become lawyers.
- Become teachers.
- Created businesses.
- Secured careers in public relations.
- Worked in nonprofit organizations and agencies serving women and girls.
- Worked in policy and government.

Our graduates are also well prepared for graduate and law school and have been admitted to prestigious programs.

Contact Information:

Liberal Arts & Sciences, College of
School of Social Transformation

<http://wgs.asu.edu>

WILSN 125

wgs.asutempe@asu.edu

480-965-7682

Nursing & Health Innovation, College of

Nursing, BSN (NUNURDBSN)

Campus: DTPHX, EAC, ONLNE

Program Description: Through a curriculum centered upon evidence-based practice, clinical reasoning, innovation, interprofessional communication and information technology, the B.S.N. program prepares students to provide the highest quality of professional nursing care. General education course work within the curriculum provides a strong foundation for the nursing theory and clinical or experiential courses. The degree may be earned through four different programs, as follows.

In the Traditional Pre-licensure Clinical Nursing Program (TPCNP) students take prerequisite course work in the first two to four semesters and then advance to the upper-division clinical nursing program, which takes four terms to complete. These last four terms may be completed in a year-round program in 16 months or an academic year program in 24 months. Some freshmen are directly admitted to this program, complete the prerequisites while meeting continuing eligibility requirements, and then advance to the upper-division clinical nursing program. Students not directly admitted may compete for remaining seats in the upper division clinical nursing program.

The R.N.-to-B.S.N. program is available to students who have recently earned an associate degree in nursing or a nursing diploma. This online program consists of upper-division nursing course work that may be completed in as few as 13 months. The Pathway program for students from several Arizona community colleges provides additional benefits.

The post-baccalaureate B.S.N. is available to students who have earned a bachelor's in a discipline other than nursing but desire to have a bachelor's in nursing. Students meet ASU General Studies requirements, selected nursing prerequisites, and a 12-month upper-division clinical nursing program. This program currently begins in spring semesters only.

In the Concurrent Enrollment Program (CEP) students are selected from the pool (queue) of MaricopaNursing students who have met all Maricopa-ASU CEP identified eligibility requirements. Selected students will be enrolled in the MaricopaNursing program and ASU B.S.N. courses concurrently. B.S.N. courses taken at ASU will be in iCourse format. This program takes four to six terms to complete and includes summer sessions.

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 142 - College Mathematics

Admission Requirements:

Traditional Pre-licensure Clinical Nursing Program Concentration

This program is only offered at the Downtown Phoenix campus.

Applicants who do not have an associate degree in nursing or a nursing diploma and do not have their R.N. license will apply to the Traditional Pre-licensure Clinical Nursing Program and will be reviewed by the Nursing Admissions Committee on an individual basis. Students must meet the following minimum criteria to be considered by the committee:

Freshman resident: 3.00 ABOR GPA or 500 GED, and either a 1040 SAT or 22 ACT score, or in the top 25 percent of high school graduating class.

Freshmen non-resident: 3.00 ABOR GPA or 500 GED and either an 1110 SAT or 24 ACT score, or in the top 25 percent of high school graduating class.

Transfer resident and non-resident: cumulative transfer GPA of 3.50.

Admission is competitive so early application is recommended.

R.N.-B.S.N. Concentration

This program is only offered as an online option.

Applicants must meet university minimum admission requirements.

Students who have not signed the community college pathway agreement need 1) a 2.50 GPA, and 2) ENG 101, ENG 102, and a statistic course.

For additional requirements, please see contact the college.

Students who have signed the community college pathway agreement need 1) a 2.50 GPA in the following courses: BIO 201, BIO 202, CHM 101, ENG 101, ENG 102, MIC 205, PGS 101 or CDE 232, and 2) a statistic course. For additional requirements, please see contact the college.

Additional information available at <http://asuonline.asu.edu/nursingonline> (<http://asuonline.asu.edu/nursingonline>), or call 877/511-3830.

Attend Online: ASU offers this program in a fully online format-no face-to-face sessions required. We offer six enrollment sessions throughout the year, and you learn in accelerated, 7.5-week classes. View the program description and request more information here.

(<http://asuonline.asu.edu/degree-programs/undergraduate/bachelor-science-nursing-rn-bsn>)

Transfer Agreements: ASU has partnered with the following institutions to enable you to do a seamless transfer:

Arizona Western College (<http://transfer.asu.edu/az-western>)

Coconino Community College (<http://transfer.asu.edu/coconino>)

Cochise College (<http://transfer.asu.edu/cochise>)

Central Arizona College (<http://transfer.asu.edu/central-az>)

Eastern Arizona College (<http://transfer.asu.edu/eastern-az>)

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Mohave Community College (<http://transfer.asu.edu/mohave>)

Northland Pioneer College (<http://transfer.asu.edu/northland-pioneer>)

Pima Community College (<http://transfer.asu.edu/pima>)

Yavapai College (<http://transfer.asu.edu/yavapai>)

Career Opportunities: Graduates are eligible to sit for the national licensing examination for registered nurses. Graduates deliver nursing care to individuals, families and communities. Completion of this degree program also prepares individuals for entrance into graduate study in nursing at the master's level, which is essential for teaching, administration, clinical specialization and nursing research.

Contact Information:

Nursing & Health Innovation, College of

College of Nursing & Health Innovation

<http://nursingandhealth.asu.edu/>

NHI 2

nursing@asu.edu

602-496-0852

Nursing (Clinical Nursing Program), BSN (NUNURCBSN)

Campus: DTPHX

Program Description: The post baccalaureate clinical nursing program concentration is designed exclusively for students who have already earned a baccalaureate or higher degree in another discipline. This academic program concentration is built upon the unique learner-centered attributes of the post baccalaureate student. The post baccalaureate clinical nursing program is delivered in three semesters or one calendar year.

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 142 - College Mathematics

Admission Requirements: Prior to admission to this program a student must satisfy all of the pre-requirements for this program concentration including:

- Attend a required advisement session with an academic success specialist from the College of Nursing & Health Innovation.

- Complete all pre-requisite courses prior to enrollment in the program concentration.
- Have a bachelor's degree.
- Meet all criteria for advancement.

Pre-requisites (35 credit hours)

BIO 201 Human Anatomy and Physiology I (4)
 BIO 202 Human Anatomy and Physiology II (4)
 CHM 101 Introductory Chemistry with Lab (4)
 MIC 205 and 206 Microbiology and Lab (4)
 HCR 240 Human Pathophysiology (4)
 HCR 220 Introduction to Nursing and Healthcare Systems (3)
 CDE 232 Human Development (3)
 PGS 101 Introduction to Psychology (3)
 NTR 241 Human Nutrition (3)

Statistics (3)

Criteria for advancement

- Minimum 3.50 select GPA in pre-requisite courses.
- Minimum score of 58.7% on Test of Essential Academic Skills (TEAS).
- Response to short answer/essay questions.
- Science courses (BIO 201, 202, CHM 101, MIC 205/206) must have been taken within seven years of beginning upper division nursing courses.

Career Opportunities: The United States and Arizona have an existing shortage of registered nurses. It is estimated that this shortage will reach epic proportions in the near future, as many nurses retire, while simultaneously the demand for health care services increases due to changes in population demographics. These changes in population demographics include an increased number of elder adults and the very young who utilize more health care services. To become licensed as a registered nurse, candidates must complete an associate degree in nursing, a diploma in nursing, or a baccalaureate degree in nursing. ASU currently offers two program concentrations that lead to the B.S.N. degree. They are the traditional prelicensure clinical nursing program, and the R.N./B.S.N. program. Employers prefer candidates prepared at the baccalaureate level, because research has demonstrated that morbidity and mortality are decreased when more baccalaureate prepared registered nurses provide nursing care to the patients. The addition of the post baccalaureate clinical nursing program will provide a third concentration or opportunity for students to earn a B.S.N., and another avenue to increase the number of registered nurses in the state of Arizona.

Contact Information:

Nursing & Health Innovation, College of
 College of Nursing & Health Innovation
<http://nursingandhealth.asu.edu/advising/nursingug.htm>
 MERCC 250
 ASUPBBSN@asu.edu
 602-496-0888

Public Programs, College of

Criminal Justice & Criminology, BS (PPCRIMJBS)

Campus: DTPHX, ONLNE

Program Description: The study of criminal justice and criminology involves analysis of the theories, laws, policies and practices associated with understanding criminal and delinquent behavior, the law and the response to violations of law. The program provides an interdisciplinary social science perspective to the study of crime and criminal justice. The focus is on:

- Criminal Justice policies and practices.
- The nature of crime and criminological theory.
- Various components of the criminal justice system, including law enforcement, corrections and the courts.

Students receive a solid foundation of course work that provides the content and analytical and communication skills required for working in

complex criminal justice occupations.

The program is offered from the Downtown Phoenix campus, and while most criminal justice and criminology courses are offered on that campus, students may also take criminal justice and criminology courses at the Tempe campus and online.

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 142 - College Mathematics

Attend Online: ASU offers this program in a fully online format-no face-to-face sessions required. We offer six enrollment sessions throughout the year, and you learn in accelerated, 7.5-week classes. View the program description and request more information here. (<http://ccj.asu.edu/>)

Transfer Agreements: ASU has partnered with the following institutions to enable you to do a seamless transfer:

Arizona Western College (<http://transfer.asu.edu/az-western>)

Central Arizona College (<http://transfer.asu.edu/central-az>)

Coconino Community College (<http://transfer.asu.edu/coconino>)

Cochise College (<http://transfer.asu.edu/cochise>)

Eastern Arizona College (<http://transfer.asu.edu/eastern-az>)

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Mohave Community College (<http://transfer.asu.edu/mohave>)

Northland Pioneer College (<http://transfer.asu.edu/northland-pioneer>)

Pima Community College (<http://transfer.asu.edu/pima>)

Yavapai College (<http://transfer.asu.edu/yavapai>)

Career Opportunities: Graduates of the criminal justice and criminology program find a strong job market in the public and private sectors.

Employment opportunities exist in:

- Corrections.
- Courts.
- Law enforcement.
- Legal offices.
- Parole offices.
- Private security.
- Probation offices.
- Victim advocate agencies.

Graduates may also pursue advanced degrees in law, criminology and criminal justice and other social science disciplines.

Contact Information:

Public Programs, College of

School of Criminology and Criminal Justice

<http://ccj.asu.edu/>

UCENT 600

sccj@asu.edu

602-496-2356

Nonprofit Leadership & Management, BS (PPNLMBS)

Campus: DTPHX

Program Description: Through the B.S. in nonprofit leadership and management program, students are empowered to become successful professionals who positively impact the community in which they work. The nonprofit sector in the United States is unique in form and function. This sector includes institutions and individuals situated between government, public and business entities. It is this sector, with more than 1.2 million organizations in the U.S., that mediates, innovates and promotes social causes and services.

Philanthropy (voluntary action for the public good) is a hallmark of the nonprofit sector as individuals give their time, money and know-how to causes about which they care. Students in the nonprofit leadership and management program learn about the nonprofit sector through curriculum instruction and field experience. The required internship component of the program leads students to professional opportunities within the nonprofit sector. Within the undergraduate degree requirements, students may also choose to pursue an American Humanics Certificate and subsequently earn national certification from American Humanics, Inc., which will prepare them to lead and strengthen nonprofit organizations. For more information, access the school's website.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Downtown Phoenix campus. Students from Western states, who select this major and campus, may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (<http://students.asu.edu/admission/wue>).

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 142 - College Mathematics

Transfer Agreements: ASU has partnered with the following institutions to enable you to do a seamless transfer:

Central Arizona College (<http://transfer.asu.edu/central-az>)

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities: Depending on their interests, graduates seek work in various areas of the nonprofit sector. They find employment in diverse settings that include affiliates of well-known national organizations, such as:

- American Red Cross.
- America's Second Harvest.
- Humane Society of the United States.
- March of Dimes.
- National Urban League.
- United Way.
- Youth-serving entities such as Big Brothers Big Sisters, Boys and Girls Clubs, Boy Scouts of America, Girl Scouts of the USA, Camp Fire USA and the YMCA of the USA.

Increasing opportunities in the nonprofit sector include careers across the spectrum of community issues such as the arts, environment, health care and others. Typical positions include roles as:

- Development directors.
- Field executives.
- Program directors.
- Volunteer coordinators and similar positions from a variety of agencies and organizations.

Contact Information:

Public Programs, College of

School of Community Resources and Development

<http://scrd.asu.edu>

UCENT 550

scrd@asu.edu

602-496-0550

Parks & Recreation Management, BS (PPPRMBS)

Campus: DTPHX

Program Description: The B.S. in parks and recreation management provides an interdisciplinary education in the management of parks, protected areas, community-based recreation services and special-event management. The parks and recreation field emerged from the youth development, recreation and park movements of the late 19th century. Students learn to integrate the managerial, natural and social sciences, to make informed decisions for recreation service delivery.

The curriculum of classroom instruction and field experiences covers:

- Communication.
- History.
- Inclusive services.
- Management.
- Parks and recreation policy.
- Planning.
- Programming.

The required internship component of the program allows students to gain practical experience in the parks and recreation professions. The B.S. in parks and recreation management prepares students for professional positions in a variety of public, private and nonprofit organizations. The National Recreation and Park Association accredits this degree program. There are three areas of emphasis:

- Community recreation services management.
- Natural resource recreation management.
- Special event management.

Students interested in the B.S. in parks and recreation management may also be interested in the school's therapeutic recreation program. See the school website for details.

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 142 - College Mathematics

Transfer Agreements: ASU has partnered with the following institutions to enable you to do a seamless transfer:
Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities: This degree program prepares students for professional positions in a variety of public, private and nonprofit organizations. Graduates are employed in a variety of settings in Arizona, nationally and abroad. Graduates find employment in such diverse settings as:

- City park and recreation departments.
- County and state park agencies.
- Federal natural resource agencies.
- Hospitals.
- Special event management.
- Sport venues.
- Tour operations.
- Youth agencies.

In such settings, graduates design, develop and manage services that address the recreational needs of a particular clientele.

Contact Information:

Public Programs, College of
School of Community Resources and Development
<http://scrd.asu.edu>
UCENT 550
scrd@asu.edu
602-496-0550

Parks & Recreation Management (Therapeutic Recreation), BS (PPRMTRBS)

Campus: DTPHX

Program Description: The B.S. in parks and recreation management with a concentration in therapeutic recreation is the only program in Arizona that prepares students for national professional certification in therapeutic recreation. The program is designed for students who have an interest in providing therapeutic interventions and adaptive recreation services for individuals with social problems, illnesses and disabling conditions. The required internship component of the program allows students to gain practical experiences in the therapeutic recreation field. Students who choose this concentration are truly committed to improving people's lives and contributing to their communities.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Downtown Phoenix campus. Students from Western states, who select this major and campus, may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (<http://students.asu.edu/admission/wue>).

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 142 - College Mathematics

Transfer Agreements: ASU has partnered with the following institutions to enable you to do a seamless transfer:
Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities: There are a range of job opportunities for therapeutic recreation professionals ranging from clinical settings, such as hospitals and nursing homes, adventure programming for youth-at-risk and people with disabilities.

Contact Information:

Public Programs, College of
School of Community Resources and Development
<http://scrd.asu.edu/portal/>
UCENT 550
scrd@asu.edu
602-496-0550

Public Service & Public Policy, BS (PPPAFBS)

Campus: DTPHX

Program Description: The B.S. in public service and public policy prepares students for work in government at all levels and nonprofit organizations, through comprehensive coverage of topics in public policy, public leadership and management, and urban studies. Students discover the challenges of management and learn how to lead a public organization and understand the process of policy development. This program examines the public sector and addresses, in a practical way, the challenges facing the public. The program is unique, because it enables students to study public service, policy and administration with a professional focus. Students select one of the following concentration areas to supplement their core courses.

- Public Policy
- Urban Studies
- Public Leadership and Management
- Sustainability
- Criminology
- Nonprofit Leadership and Management
- Parks and Recreation Management

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Downtown Phoenix campus. Students from Western states, who select this major and campus, may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (<http://students.asu.edu/admission/wue>).

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 142 - College Mathematics

Career Opportunities: This degree provides students with the knowledge and skills to transform government and policy at all levels. The public service sector offers sustainable, exciting and fulfilling career options. Upon graduation, students will be empowered to use knowledge of the public sector as a catalyst to change the world. By understanding the challenges facing government and being well-versed in the development of multiple, useful and realistic solutions, students will contribute to the development of local, national and global communities.

A B.S. in public service and public policy prepares students for entry- and mid-level supervisory and managerial positions in city, county, state and federal agencies. For those who already have work experience, the degree provides further opportunity for promotion.

Contact Information:

Public Programs, College of
School of Public Affairs

<https://spa.asu.edu/programs/undergraduate/pspp>

UCENT 400

spa@asu.edu

602-496-0450

Public Service & Public Policy (Sustainability), BS (PPPAFSBS)

Campus: DTPHX

Program Description: The B.S. in public service and public policy prepares students for work in government at all levels and nonprofit organizations through comprehensive coverage of topics in public policy, public leadership and management, and urban studies. Sustainability continues to be a highly sought after area and it presents broad policy implications. Through this concentration, students who have an interest in public policy can explore the policy implications of sustainability and broaden their educational experience while concentrating in an area that is in high demand.

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 142 - College Mathematics

Career Opportunities: The program is primarily focused on individuals working or seeking work in the public sector. The skills and knowledge students acquire allow them to successfully function in many other types of organizations, though the primary focus is on public organizations. A bachelor's in public service and public policy prepares students for entry and mid-level supervisory and managerial positions in city, county, state and federal agencies. For those who already have work experience, the degree provides further opportunity for promotion.

The sustainability concentration provides students with more specialized knowledge about the policy implication of sustainability-related decisions and action.

Contact Information:

Public Programs, College of
School of Public Affairs
<https://spa.asu.edu/programs/undergraduate/pspp>
UCENT 400
spa@asu.edu
602-496-0450

Public Service and Public Policy (Criminology), BS (PPPAFCBS)

Campus: DTPHX

Program Description: The School of Public Affairs (SPA) offers a concentration in criminology as part of their B.S. in public service and public policy. Criminology continues to be a highly sought after area and it presents broad policy implications. Through this concentration, students who have an interest in public policy can explore the policy implications of criminology and broaden their educational experience while concentrating in an area that is in high demand.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Downtown Phoenix campus. Students from Western states, who select this major and campus, may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (<http://students.asu.edu/admission/wue>).

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 142 - College Mathematics

Career Opportunities: The program is primarily focused on individuals working or interested in working in the public sector. The skills and knowledge students acquire allow them to successfully function in many other types of organizations; however the primary focus is on public organizations. A B.S. in public service and public policy prepares students for entry and mid-level supervisory and managerial positions in city, county, state and federal agencies. For those who already have work experience, the degree provides further opportunity for promotion. The criminology concentration provides students with more specialized knowledge about the policy implication of criminology-related decisions and action.

Contact Information:

Public Programs, College of
School of Public Affairs
<http://spa.asu.edu/programs/undergraduate/pspp>
UCENT 400
spa@asu.edu
602-496-0450

Public Service and Public Policy (Nonprofit Leadership and Management), BS (PPPANLMBS)

Campus: DTPHX

Program Description: The School of Public Affairs (SPA) offers a B.S. in public service and public policy with a concentration in nonprofit leadership and management. The role of nonprofit organizations continues to grow and they present broad policy implications. Through this concentration, students who have an interest in public policy can explore the policy implications of nonprofits and broaden their educational experience while concentrating in an area that is in high demand.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Downtown Phoenix campus. Students from Western states, who select this major and campus, may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (<http://students.asu.edu/admission/wue>).

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 142 - College Mathematics

Career Opportunities: The program is primarily focused on individuals working or interested in working in the public sector. The skills and knowledge students acquire allow them to successfully function in many other types of organizations; however the primary focus is on public organizations. A B.S. in public service and public policy prepares students for entry and mid-level supervisory and managerial positions in city, county, state and federal agencies. For those who already have work experience, the degree provides further opportunity for promotion. The nonprofit leadership and management concentration provides students with more specialized knowledge about the policy implication of the nonprofit sector.

Contact Information:

Public Programs, College of
School of Public Affairs
<http://spa.asu.edu/programs/undergraduate/pspp>
UCENT 400
spa@asu.edu
602-496-0450

Public Service and Public Policy (Parks and Recreation Management), BS (PPPAPRMBS)

Campus: DTPHX

Program Description: The School of Public Affairs (SPA) offers a B.S. in public service and public policy with a concentration in parks and recreation management. Leisure and quality of life are an essential part of our society. Through this concentration, students who have an interest in public policy can explore the policy implications of parks and recreation and broaden their educational experience while concentrating in an area that is of high importance.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Downtown Phoenix campus. Students from Western states, who select this major and campus, may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (<http://students.asu.edu/admission/wue>).

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 142 - College Mathematics

Career Opportunities: The program is primarily focused on individuals working or interested in working in the public sector. The skills and knowledge students acquire allow them to successfully function in many other types of organizations; however the primary focus is on public organizations. A B.S. in public service and public policy prepares students for entry and mid-level supervisory and managerial positions in city, county, state and federal agencies. For those who already have work experience, the degree provides further opportunity for promotion. The parks and recreation management concentration provides students with more specialized knowledge about the policy implication of the development and management of leisure in modern life.

Contact Information:

Public Programs, College of
School of Public Affairs
<http://spa.asu.edu/programs/undergraduate/pspp>
UCENT 400
spa@asu.edu
602-496-0450

Social Work, BSW (PPSWUSWU)

Campus: DTPHX

Program Description: Social work practitioners are committed to the enhancement of individual, family and group problem-solving capacities and the creation of a more nurturing, just and humane social environment. The undergraduate curriculum leads to a B.S.W. Juniors and seniors majoring in social work focus on social work courses in social policy and services, human behavior in the social environment, social work practice, research and field instruction in community agencies. In addition, majors take elective courses in related areas.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Downtown Phoenix campus. Students from Western states, who select this major and campus, may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (<http://students.asu.edu/admission/wue>).

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 142 - College Mathematics

Transfer Agreements: ASU has partnered with the following institutions to enable you to do a seamless transfer:

Arizona Western College (<http://transfer.asu.edu/az-western>)
Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)
Pima Community College (<http://transfer.asu.edu/pima>)

Career Opportunities: The B.S.W. practitioner is a generalist focusing on roles such as advocacy, referral, case management and problem-solving functions with individuals, groups, families, organizations and the community.

Employment in social work is expected to increase commensurately with the needs of a growing and diverse population.

Social workers are employed in public and private agencies dealing with a wide variety of social issues, including:

- Adoptions.
- Aging.
- AIDS.
- Child abuse.
- Corrections.
- Delinquency.
- Disability.
- Discrimination.
- Domestic violence.
- Family dysfunction.
- Foster care.
- Health.
- Homelessness.
- Mental health.
- Poverty.
- School-related problems.
- Substance abuse.
- Teen pregnancy.

Social work skills such as problem-solving, resource utilization, counseling, group work and community organization are also useful for positions with industry in employee relations and mediation.

Contact Information:

Public Programs, College of

School of Social Work

<http://ssw.asu.edu>

UCENT 800

social.work@asu.edu

602-496-0800

Tourism Development & Management, BS (PPTDMBS)

Campus: DTPHX

Program Description: Through the B.S. in tourism development and management, students acquire the planning and management skills related to the growth and development of tourism throughout the world. The curriculum prepares students for employment across a wide variety of occupations in the rapidly expanding travel and tourism industry, while taking full advantage of its strong connections with the professional tourism community in Phoenix.

The required internship component of the program allows students to gain practical experiences leading to professional positions in various travel, tourism and related fields. Exposure to the businesses of heritage tourism, sustainable tourism, resort management and meeting and convention planning prepare students for successful careers in the travel and tourism industry. While pursuing the bachelor's in tourism development and management, a student may also choose to complete a certificate in convention sales and meeting planning. Additionally, students have the opportunity to participate in a study abroad program.

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 142 - College Mathematics

Transfer Agreements: ASU has partnered with the following institutions to enable you to do a seamless transfer:

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities: The travel and tourism industry is the largest employer in the world and the second largest in Arizona. Based upon interests, graduates can seek work in the public, nonprofit or private and commercial sectors. Graduates find employment in such diverse settings as resorts, meeting planning, convention and visitor bureaus, tour operations and commercial recreation businesses. In such settings, graduates design, develop and manage services that address the needs of a particular clientele. The metropolitan Phoenix area is a major hub of tourism in the southwestern U.S. and has experienced rapid growth in:

- Business and corporate travel.
- Meetings and conventions.
- Resorts and hotels.

- Sports tourism.
- State and national parks.
- The air transportation sector.
- The gaming and casino sectors.

Contact Information:

Public Programs, College of
 School of Community Resources and Development
<http://scrd.asu.edu>
 UCENT 550
 scrd@asu.edu
 602-496-0550

Tourism Development & Management (Resort and Accommodations Leadership), BS (PPTDMRBS)

Campus: DTPHX

Program Description: The concentration in resort and accommodations leadership will attract students and professionals who have interests in the diverse areas of knowledge needed within the accommodations sector, such as:

- Career opportunities.
- Ecological, social and economic sustainability practices in the industry.
- The interrelated functions within departments of the lodging and food and beverage industries.
- Management and leadership specifically for the accommodations sector.
- Meeting the expectations of hotel and resort guests.

A concentration in resort and accommodations leadership will provide students an academic option to study in-depth the resort and accommodations system/sector and gain knowledge of the importance of the business relationships between suppliers, intermediaries/vendors, guests and the public and private sectors. The concentration will prepare students to serve our community by developing the skills, knowledge, techniques and capabilities needed for addressing major issues related to resorts and other tourism accommodations.

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 142 - College Mathematics

Career Opportunities: There are a variety of job opportunities for resort or hotel professionals, ranging from entry level as a management trainee to an assistant manager or manager in various departments such as:

- Catering and banquet manager.
- Convention sales manager.
- Front desk manager.
- Guest services manager.
- Room division manager.
- Sales and marketing manager.

Contact Information:

Public Programs, College of
 School of Community Resources and Development
<http://scrd.asu.edu>
 UCENT 550
 scrd@asu.edu
 602-496-0550

Tourism Development and Management (Sustainable Tourism), BS (PPTDMSBS)

Campus: DTPHX

Program Description: The tourism development and management major provides students with the theoretical understanding necessary to maneuver the complexities of one of the world's largest industries. A concentration in sustainable tourism allows majors to hone their understanding of the key concepts of sustainability and how these can be applied to tourism destinations and development. Students will learn the dominant theories and language that make up sustainability science and the skills necessary to measure, create and implement sustainability policies in

tourism destinations, from the planning to the management stage of development. Students will take courses offered by the School of Sustainability in addition to courses in the School of Community Resources and Development, guaranteeing a strong foundation in the basic theories of the growing discipline of sustainability while applying these newfound skills to tourism development and management.

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 142 - College Mathematics

Career Opportunities: The area of sustainable tourism is becoming increasingly important. Many tourism businesses are hiring sustainability coordinators, including hotels, airlines, convention and visitor bureaus and large attractions. Tour companies, such as those that implement ecotourism and volunteer tourism experiences, are especially interested in employees with a strong sustainable tourism background. Numerous sustainable tourism nonprofit organizations have emerged in recent years, and many government-related tourism organizations also hire those with a strong sustainability focus. As well, consulting opportunities are available to assist tourism businesses with development of sustainable practices.

Contact Information:

Public Programs, College of
School of Community Resources and Development
<http://scrd.asu.edu>
UCENT 550
scrd@asu.edu
602-496-1056

Urban & Metropolitan Studies, BA (PPURBBA)

Campus: DTPHX

Program Description: Located in the heart of downtown Phoenix, the urban and metropolitan studies program is for students who have a yearning to study and understand urban theory, in order to effectively address the challenges of rapid growth, along with other contemporary urban issues.

Students discover what makes the city tick - and the city is their classroom. They examine challenges and solutions by researching history, society, culture, economy and politics in order to understand urban theory. They use that knowledge to get involved in their communities; giving them an outlet through which they can experience practical ways of solving complex problems faced by metropolitan regions. Our students are invested in their neighborhoods. Many of them live and work downtown. In the urban and metropolitan studies program, they learn how to improve urban health and well-being, often training themselves to be the future leaders of our urban environments. Our students don't stop there; others focus on making a wide variety of other contributions to society, studying the role of arts and culture, business and property development, revitalization and community-building in the life of the region.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Downtown Phoenix campus. Students from Western states, who select this major and campus, may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (<http://students.asu.edu/admission/wue>).

Additional Program Fee: N

Second Language Requirement: Y

First Required Math Course: MAT 142 - College Mathematics

Career Opportunities: The urban and metropolitan studies program prepares students for work in a wide range of fields. The interdisciplinary approach of the program allows graduates to successfully enter fields as diverse as:

- Architecture and finance.
- City management and policy.
- City planning and law.
- Nonprofit management.
- Real estate development.

Graduates from this program work in public, private and not-for-profit fields dedicated to improving urban life. Many graduates also pursue advanced degrees in:

- Arts administration.
- Business.
- Education.
- Historic preservation.Law.
- Journalism.
- Public policy.
- Public administration.

- Real estate development.
- Urban planning and other fields.

Contact Information:

Public Programs, College of
 School of Public Affairs
<https://spa.asu.edu/programs/undergraduate/ums>
 UCENT 400
 spa@asu.edu
 602-496-0450

Urban & Metropolitan Studies, BS (PPURBBS)

Campus: DTPHX

Program Description: Located in the heart of downtown Phoenix, the urban and metropolitan studies program is for students who have a yearning to study and understand urban theory in order to effectively address the challenges of rapid growth, along with other contemporary urban issues.

Our students discover what makes the city tick - and the city is their classroom. They examine challenges and solutions by researching history, society, culture, economy and politics in order to understand urban theory. They use that knowledge to get involved in their communities; giving them an outlet through which they can experience practical ways of solving complex problems faced by metropolitan regions. Our students are invested in their neighborhoods. Many of them live and work downtown. In the urban and metropolitan studies program, they learn how to improve urban health and well-being, often training themselves to be the future leaders of our urban environments. Our students don't stop there; others focus on making a wide variety of other contributions to society, studying the role of arts and culture, business and property development, revitalization and community-building in the life of the region.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Downtown Phoenix campus. Students from Western states, who select this major and campus, may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (<http://students.asu.edu/admission/wue>).

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 142 - College Mathematics

Career Opportunities: The urban and metropolitan studies program prepares students for work in a wide range of fields. The interdisciplinary approach of the program allows graduates to successfully enter fields as diverse as:

- Architecture and finance.
- City management and policy.
- City planning and law.
- Nonprofit management.
- Real estate development.

Graduates from this program work in public, private and not-for-profit fields dedicated to improving urban life. Many graduates also pursue advanced degrees in:

- Arts administration.
- Business.
- Education.
- Historic preservation.
- Journalism.
- Law.
- Public policy.
- Public administration.
- Real estate development.
- Urban planning and other fields.

Contact Information:

Public Programs, College of
 School of Public Affairs
<https://spa.asu.edu/programs/undergraduate/ums>
 UCENT 400

Sustainability, School of

Sustainability, BA (SUSUSTBA)

Campus: TEMPE

Program Description: The B.A. in sustainability introduces students to the concept of sustainability in the context of real-world problems, exploring the interaction of environmental, economic and social systems. Although the program is transdisciplinary, the bachelor's in sustainability is best suited to those inclined toward social sciences, planning or related fields.

Students pursuing a bachelor's in sustainability can pursue the following tracks:

- International development and sustainability.
- Policy and governance in sustainable systems.
- Society and sustainability.
- Sustainable urban dynamics.

Students will gain a general understanding of sustainability issues at the local, regional and global levels. They will be adaptable, capable of learning and communicating across a number of disciplines, and have a strong orientation toward problem solving.

Additional Program Fee: N

Second Language Requirement: Y

First Required Math Course: SOS 101 - Intro Appl Math Life & Soc Sci

Admission Requirements: The School of Sustainability has higher admission requirements. Applicants must select a second choice for their major on the application. Students who are not admitted to the School of Sustainability and who did not select a second major or are not admissible to the second major choice will be admitted to the exploratory social and behavioral sciences program within University College. Students with more than 45 transfer hours who are not admissible to University College will be contacted to select an appropriate major.

Freshman applicants must meet the following standards:

- Have a minimum high school ABOR GPA of 3.30; AND
 - A high school class rank in the top 15 percent of class; OR
 - An SAT combined score of 1140 or higher; OR
 - An ACT combined score of 25 or higher.
- No high school math competency deficiency.

Transfer students (with 12 or more transfer hours after high school graduation) are required to have a cumulative transfer GPA of 3.30 or higher.

ASU students who would like to change their major to sustainability are required to have a cumulative ASU GPA of 3.30 or higher (based on at least 12 credit hours).

Transfer Agreements: ASU has partnered with the following institutions to enable you to do a seamless transfer:

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities: School of Sustainability graduates are prepared for admission into other prestigious universities. They may also assume positions in:

- Consultancy.
- Governmental agencies.
- Industry.
- Nongovernmental organizations.
- Nonprofits.
- Regulatory agencies.
- Utilities.

Recent interest in sustainability within business and government has created new employment opportunities (e.g., sustainability coordinators, directors and managers). By engaging a breadth of knowledge and experience, and by acquiring the skills to integrate various domains of

knowledge, sustainability students prepare themselves for a variety of careers, to help find solutions to sustainability challenges.

Contact Information:

Sustainability, School of
School of Sustainability
<http://schoolofsustainability.asu.edu>
G108 108
schoolofsustainability@asu.edu
480-727-6963

Sustainability, BS (SUSUSTBS)

Campus: TEMPE

Program Description: The B.S. in sustainability introduces students to the concept of sustainability in the context of real-world problems, exploring the interaction of environmental, economic and social systems. Although the program is transdisciplinary, the bachelor's in sustainability is best suited to those inclined toward natural sciences, economics or engineering.

Students pursuing a bachelor's in sustainability can pursue the following tracks:

- Economics of sustainability.
- Sustainable ecosystems.
- Sustainable energy, materials and technology.

Students will gain a general understanding of sustainability issues at the local, regional and global levels. They will be adaptable, capable of learning and communicating across a number of disciplines, and have a strong orientation toward problem solving.

Additional Program Fee: N

Second Language Requirement: Y

First Required Math Course: SOS 101 - Intro Appl Math Life & Soc Sci

Admission Requirements: The School of Sustainability has higher admission requirements. Applicants must select a second choice for their major on the application. Students who are not admitted to the School of Sustainability and who did not select a second major or are not admissible to the second major choice will be admitted to the exploratory social and behavioral sciences program within University College. Students with more than 45 transfer hours who are not admissible to University College will be contacted to select an appropriate major.

Freshman applicants must meet the following standards:

- Have a minimum high school ABOR GPA of 3.30; AND
 - A high school class rank in the top 15 percent of class; OR
 - An SAT combined score of 1140 or higher; OR
 - An ACT combined score of 25 or higher.
- No high school math competency deficiency.

Transfer students (with 12 or more transfer hours after high school graduation) are required to have a cumulative transfer GPA of 3.30 or higher.

ASU students who would like to change their major to sustainability are required to have a cumulative ASU GPA of 3.30 or higher (based on at least 12 credit hours).

Transfer Agreements: ASU has partnered with the following institutions to enable you to do a seamless transfer:

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities: School of Sustainability graduates are prepared for admission into other prestigious universities. They may also assume positions in:

- Consultancy.
- Governmental agencies. Utilities.
- Industry.
- Nongovernmental organizations.
- Nonprofits.
- Regulatory agencies.

Recent interest in sustainability within business and government has created new employment opportunities (e.g., sustainability coordinators,

directors and managers). By engaging a breadth of knowledge and experience, and by acquiring the skills to integrate various domains of knowledge, sustainability students prepare themselves for a variety of careers, to help find solutions to sustainability challenges.

Contact Information:

Sustainability, School of
School of Sustainability
<http://schoolofsustainability.asu.edu>
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schoolofsustainability@asu.edu
480-727-6963

Teachers College, Mary Lou Fulton

Early Childhood Education, BAE (EDECDBAE)

Campus: POLY, TEMPE, WEST

Program Description: The B.A.E. in early childhood/early childhood special education program in the Mary Lou Fulton Teachers College is available at the Polytechnic, Tempe and West campuses. This program prepares students for Arizona certification in early childhood education (birth - grade three) and early childhood special education (birth - age 5). This program has a special emphasis on community connectedness, technology integration, administration, policy analysis and advocacy related to young children and their families with and without disabilities or developmental delays. Program faculty have received numerous national awards for their work in the field of early childhood education. Each semester during the professional program, students engage in field experiences and student teaching that prepare them for work in early childhood and special education settings. Graduates are recommended for the Arizona birth-through-grade-3 teacher certification, an early childhood special education certification and a provisional endorsement to work with English language learners. All graduates desiring to teach in a public school preschool and kindergarten or the primary grades must pass the state certification test in content area knowledge and professional knowledge to obtain certification in Arizona.

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 142 - College Mathematics

Admission Requirements:

Transfer Agreements: ASU has partnered with the following institutions to enable you to do a seamless transfer:
Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities: Changes in Arizona state certification will require all individuals teaching in public schools, early childhood programs and serving children birth through kindergarten to meet new early childhood certification or endorsement requirements by 2012. According to a policy study on the condition of early childhood education in 2005, the demand for early childhood teachers in Arizona is much greater than the current supply. Thus, job opportunities in center-based programs and public school early childhood programs are numerous. Many graduates with a degree in early childhood teaching and leadership hold leadership positions in Head Start, private nonprofit and private for-profit, center-based programs and public school early childhood centers. In a recent survey conducted at graduation, a majority of seniors reported that they had received job offers.

Contact Information:

Teachers College, Mary Lou Fulton
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602-543-6358

Educational Studies, BAE (EDSLSTBAE)

Campus: DTPHX, POLY, TEMPE, WEST

Program Description: The Bachelor of Arts in Education (BAE) in educational studies is designed to prepare students to work with children and youth outside of a traditional classroom setting. While this degree does not lead to teacher certification, it will provide a foundation of knowledge in educational practices for use in the community setting. This degree program provides a comprehensive grounding in current research and best practices used in the academic and social development of individuals.

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 142 - College Mathematics

Transfer Agreements: ASU has partnered with the following institutions to enable you to do a seamless transfer:

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities: This degree prepares students for entry level positions in fields which require a baccalaureate degree and where they have the opportunity to work with children or youth such as a director, coordinator or program manager for nonprofit or government organizations, and as an entrepreneur. This degree is also appropriate for students who wish to enter fields which require post-graduate work such as guidance counseling or media specialist.

Contact Information:

Teachers College, Mary Lou Fulton

Division of Teacher Preparation

<http://www.education.asu.edu/>

ED 120

educationadvising@asu.edu

602-543-6358

Elementary Education, BAE (TEEDBAE)

Campus: DTPHX, POLY, TEMPE, WEST

Program Description: The B.A.E. in elementary education program in the Mary Lou Fulton Teachers College is available on all four campuses. This program offers students a firm grounding in academic content with current research and best practices, accompanied by real-world classroom experiences. Students engage in field experiences and internships that align with their elementary education academic program. Faculty members in the program are nationally recognized for their work in the field of education.

All students graduate from the program with extensive experience in integrating technology into teaching and a provisional endorsement to work with English language learners. Students who complete the B.A.E. in elementary education are recommended for the grades one-through-eight teacher certification. All graduates of this program must pass a state certification test in content area knowledge and professional knowledge for certification in Arizona.

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 142 - College Mathematics

Transfer Agreements: ASU has partnered with the following institutions to enable you to do a seamless transfer:

Arizona Western College (<http://transfer.asu.edu/az-western>)

Central Arizona College (<http://transfer.asu.edu/central-az>)

Coconino Community College (<http://transfer.asu.edu/coconino>)

Cochise College (<http://transfer.asu.edu/cochise>)

Eastern Arizona College (<http://transfer.asu.edu/eastern-az>)

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Mohave Community College (<http://transfer.asu.edu/mohave>)

Pima Community College (<http://transfer.asu.edu/pima>)

Yavapai College (<http://transfer.asu.edu/yavapai>)

Career Opportunities: According to recent research on teacher supply and demand, the demand for well-prepared elementary education teachers is strong. Job opportunities in a fast growing state such as Arizona are numerous. Demand for elementary teachers will continue to be strong. Many graduates with a degree in elementary education work in public elementary schools, charter schools and in private school settings. In a recent survey conducted at graduation, a majority of seniors reported they had received job offers.

Contact Information:

Teachers College, Mary Lou Fulton

Division of Teacher Preparation

<http://education.asu.edu/>

FAB S210-1

educationadvising@asu.edu

602-543-6358

Elementary Education (Bilingual Education/English as a Second Language), BAE (TEDLLBAE)

Campus: DTPHX, POLY, TEMPE, WEST

Program Description: The B.A.E. in elementary education with ESL and BLE emphases has course work that leads to an English-as-a-second language or bilingual endorsement. This program in the Mary Lou Fulton Teachers College is offered at the Downtown campus. The program is designed to give students a firm grounding in academic content with current research and best practices, accompanied by real-world classroom experiences. During the professional program, students are engaged in field experiences and student teaching that align with their English-as-a-second language program. Six credit hours of a foreign language or its equivalent are required to be eligible for a full ESL endorsement. Students who complete the B.A.E. in elementary education with an ESL/BLE focus are recommended for grades one-through-eight teacher certification and may be eligible for a full ESL or bilingual endorsement. All graduates of this program must pass the state certification test in content area knowledge and professional knowledge.

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 142 - College Mathematics

Transfer Agreements: ASU has partnered with the following institutions to enable you to do a seamless transfer:

Coconino Community College (<http://transfer.asu.edu/coconino>)

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Mohave Community College (<http://transfer.asu.edu/mohave>)

Career Opportunities: According to recent studies on teacher supply and demand, the demand for well-prepared elementary education teachers is strong. Job opportunities in a fast growing state such as Arizona are numerous. Students seeking endorsements in bilingual and English as a second language will find that demand is great in these areas. Many graduates with a degree in elementary education work in public elementary schools, charter schools and in private school settings. In a survey conducted at graduation, a majority of seniors reported they had received job offers.

Contact Information:

Teachers College, Mary Lou Fulton

Division of Teacher Preparation

<http://education.asu.edu/>

FAB S210-1

educationadvising@asu.edu

602-543-6358

Secondary Education (Biological Sciences), BAE (TEBIOBAE)

Campus: POLY, TEMPE, WEST

Program Description: The B.A.E. in secondary education program prepares educators who wish to teach students in seventh through 12th grades. While students develop a strong theoretical background, the program focuses on developing the requisite teaching knowledge and abilities to be successful middle or high school teachers. In order to integrate teacher education preparation with the secondary education requirement for an academic specialization, the college maintains connections with academic departments across the university. Field experience and student teaching are required components of this degree.

Secondary education in biological sciences is offered on ASU's Tempe, West and Polytechnic campuses. All graduates of this program must pass state certification tests in content area knowledge and professional knowledge. Please consult an academic success specialist for additional information.

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 170 - Precalculus

Career Opportunities: Graduates from secondary education are recommended for certification in grades seven through 12 and have the option of pursuing a middle grade endorsement that provides the ability to teach grades five and six, along with seven through 12.

According to recent research on teacher supply and demand, the demand for well-prepared secondary teachers is strong, particularly in the areas of math and science. Job opportunities in a fast growing state such as Arizona are numerous. Many graduates with a degree in secondary education work in public schools, charter schools and in private school settings. A degree in secondary education provides students with knowledge and skills required for job opportunities in various educational settings. In a recent survey conducted at graduation, a majority of seniors reported they had received job offers.

Contact Information:

Teachers College, Mary Lou Fulton

Division of Teacher Preparation

<http://education.asu.edu/>

FAB S210-1

educationadvising@asu.edu

602-543-6358

Secondary Education (Business), BAE (EDBUSBAE)

Campus: POLY, TEMPE, WEST

Program Description: The B.A.E. in secondary education program prepares educators who wish to teach students in seventh through 12th grades. While students develop a strong theoretical background, the program focuses on developing the requisite teaching knowledge and abilities to be successful middle or high school teachers. In order to integrate teacher education preparation with the secondary education requirement for an academic specialization, the college maintains connections with academic departments across the university. Field experience and student teaching are required components of this program.

Secondary education in business is offered primarily on ASU's Tempe campus. Students have the option to take the iTeachAZ courses at Polytechnic, Tempe and West campuses. All graduates of this program will have to pass state certification tests in content area knowledge and professional knowledge. Please consult an academic success specialist for additional information.

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 210 - Brief Calculus

Admission Requirements:

Career Opportunities: Graduates from secondary education are recommended for certification in grades seven through 12 and have the option of pursuing a middle grade endorsement that provides the ability to teach grades five and six, along with seven through 12.

According to recent research on teacher supply and demand, the demand for well-prepared secondary teachers is strong, particularly in the areas of math and science. Job opportunities in a fast growing state such as Arizona are numerous. Many graduates with a degree in secondary education work in public schools, charter schools and in private school settings. A degree in secondary education provides students with knowledge and skills required for job opportunities in various educational settings. In a recent survey conducted at graduation, a majority of seniors reported they had received job offers.

Contact Information:

Teachers College, Mary Lou Fulton

Division of Teacher Preparation

<http://education.asu.edu/content/future-students>

FAB S210-1

educationadvising@asu.edu

602-543-6358

Secondary Education (Chemistry), BAE (TECHMBAE)

Campus: POLY, TEMPE, WEST

Program Description: The B.A.E. in secondary education program prepares educators who wish to teach students in seventh through 12th grades. While students develop a strong theoretical background, the program focuses on developing the requisite teaching knowledge and abilities to be a successful middle or high school teacher. In order to integrate teacher education preparation with the secondary education requirement for an academic specialization, the college maintains connections with academic departments across the university. Field experience and student teaching are required components of this degree.

Secondary education in chemistry is offered in its entirety on ASU's Tempe campus. Students have the option to take the professional teacher preparation program courses at any of the four campuses (Downtown, Polytechnic, Tempe and West), as well as general studies courses that are part of this curriculum. All graduates of this program will have to pass state certification tests in content area knowledge and professional knowledge. Please consult an academic success specialist for additional information.

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 270 - Calculus w/Analytic Geometry I

Transfer Agreements: ASU has partnered with the following institutions to enable you to do a seamless transfer:

Arizona Western College (<http://transfer.asu.edu/az-western>)

Central Arizona College (<http://transfer.asu.edu/central-az>)

Cochise College (<http://transfer.asu.edu/cochise>)

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities: Graduates from secondary education are recommended for certification in grades seven through 12 and have the option of pursuing a middle grade endorsement that provides the ability to teach grades five and six along with seven through 12.

According to recent research on teacher supply and demand, the demand for well-prepared secondary teachers is strong, particularly in the areas of math and science. Job opportunities in a fast growing state such as Arizona are numerous. Many graduates with a degree in secondary education work in public schools, charter schools and in private school settings. A degree in secondary education provides students with knowledge and skills required for job opportunities in various educational settings. In a recent survey conducted at graduation, a majority of seniors reported

they had received job offers.

Contact Information:

Teachers College, Mary Lou Fulton
Division of Teacher Preparation
<http://education.asu.edu/>
FAB S210-1
educationadvising@asu.edu
602-543-6358

Secondary Education (Earth & Space Sciences), BAE (EDESSBAE)

Campus: POLY, TEMPE, WEST

Program Description: The B.A.E. in secondary education program prepares educators who wish to teach students in seventh through 12th grades. While students develop a strong theoretical background, the program focuses on developing the requisite teaching knowledge and abilities required for a successful middle or high school teacher. In order to integrate teacher education preparation with the secondary education requirement for an academic specialization, the Mary Lou Fulton Teachers College maintains connections with academic departments across the university. Field experience and student teaching are required components of this degree.

Secondary education in earth and space sciences is offered in its entirety on ASU's Tempe campus. Students have the option to take the iTeachAZ courses at any of the three campuses (Polytechnic, Tempe and West), as well as general studies courses that are part of this curriculum. All graduates of this program will have to pass a state certification test in professional knowledge. Please consult an academic success specialist for additional information.

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 210 Brief Calculus or
MAT 270 Calculus with Analytic Geometry

Admission Requirements:

Career Opportunities: Graduates from secondary education are recommended for certification in grades seven through 12 and have the option of pursuing a middle grade endorsement that provides the ability to teach grades five and six, along with seven through 12. According to recent research on teacher supply and demand, the demand for well-prepared secondary teachers is strong, particularly in the areas of math and science. Job opportunities in a fast growing state such as Arizona are numerous. Many graduates with a degree in secondary education work in public schools, charter schools and in private school settings. A degree in secondary education will provide students with knowledge and skills that will provide job opportunities in various educational settings. In a recent survey conducted at graduation, a majority of seniors reported they had received job offers.

Contact Information:

Teachers College, Mary Lou Fulton
Division of Teacher Preparation
<http://education.asu.edu/>
FAB S210-1
educationadvising@asu.edu
602-543-6358

Secondary Education (Economics), BAE (EDECNBAE)

Campus: POLY, TEMPE, WEST

Program Description: The B.A.E. in secondary education program prepares educators who wish to teach students in seventh through 12th grades. While students develop a strong theoretical background, the program focuses on developing the requisite teaching knowledge and abilities to be a successful middle or high school teacher. In order to integrate teacher education preparation with the secondary education requirement for an academic specialization, the college maintains connections with academic departments across the university. Field experience and student teaching are required components of this degree.

Secondary education in economics is offered primarily on ASU's Tempe campus. Students have the option to take the iTeachAZ courses at the Polytechnic, Tempe and West campuses, as well as general studies courses that are part of this curriculum. All graduates of this program must pass state certification tests in content area knowledge and professional knowledge. Please consult an academic success specialist for additional information.

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 210 - Brief Calculus

Admission Requirements:

Career Opportunities: Graduates from secondary education are recommended for certification in grades seven through 12 and have the option of pursuing a middle grade endorsement that provides the ability to teach grades five and six, along with seven through 12.

According to recent research on teacher supply and demand, the demand for well-prepared secondary teachers is strong, particularly in the areas of math and science. Job opportunities in a fast growing state such as Arizona are numerous. Many graduates with a degree in secondary education work in public schools, charter schools and in private school settings. A degree in secondary education provides students with knowledge and skills required for job opportunities in various educational settings. In a recent survey conducted at graduation, a majority of seniors reported they had received job offers.

Contact Information:

Teachers College, Mary Lou Fulton
Division of Teacher Preparation
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Secondary Education (English), BAE (TEENGBAE)

Campus: POLY, TEMPE, WEST

Program Description: The B.A.E. in secondary education program prepares educators who wish to teach students in seventh through 12th grades. While students develop a strong theoretical background, the program focuses on developing the requisite teaching knowledge and abilities to be a successful middle or high school teacher. In order to integrate teacher education preparation with the secondary education requirement for an academic specialization, the college maintains connections with academic departments across the university. Field experience and student teaching are required components of this degree.

Secondary education in English is offered in its entirety on the Tempe, West and Polytechnic campuses. A portion of specialization courses are also available at the Downtown campus. Students have the option to take the iTeachAZ courses at the Polytechnic, Tempe and West campuses, as well as general studies courses that are part of this curriculum. All graduates of this program must pass state certification tests in content area knowledge and professional knowledge. Please consult an academic success specialist for additional information.

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 142 - College Mathematics

Transfer Agreements: ASU has partnered with the following institutions to enable you to do a seamless transfer:
Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities: Graduates from secondary education are recommended for certification in grades seven through 12 and have the option of pursuing a middle grade endorsement that provides the ability to teach grades five and six, along with seven through 12.

According to recent research on teacher supply and demand, the demand for well-prepared secondary teachers is strong, particularly in the areas of math and science. Job opportunities in a fast growing state such as Arizona are numerous. Many graduates with a degree in secondary education work in public schools, charter schools and in private school settings. A degree in secondary education provides students with knowledge and skills required for job opportunities in various educational settings. In a recent survey conducted at graduation, a majority of seniors reported they had received job offers.

Contact Information:

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Secondary Education (French), BAE (EDFREBAE)

Campus: POLY, TEMPE, WEST

Program Description: The B.A.E. in secondary education program prepares educators who wish to teach students in seventh through 12th grades. While students develop a strong theoretical background, the program focuses on developing the requisite teaching knowledge and abilities to be a successful middle or high school teacher. In order to integrate teacher education preparation with the secondary education requirement for an academic specialization, the college maintains connections with academic departments across the university. Field experience and student teaching are required components of this degree.

Secondary education in French is offered in its entirety on ASU's Tempe campus. Students have the option to take the iTeachAZ courses at the

Polytechnic, Tempe and West campuses, as well as general studies courses that may be available that are part of this curriculum. A limited portion of specialization courses are also offered at the Downtown campus. All graduates of this program will have to pass state certification tests in content area knowledge and professional knowledge. Please consult an academic success specialist for additional information.

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 142 - College Mathematics

Admission Requirements:

Career Opportunities: Graduates from secondary education are recommended for certification in grades seven through 12 in an academic content area and have the option of pursuing a middle grade endorsement that adds the ability to teach grades five and six, along with seven through 12. According to recent research on teacher supply and demand, the demand for well-prepared secondary teachers is strong, particularly in the areas of math and science. Job opportunities in a fast growing state such as Arizona are numerous. Many graduates with a degree in secondary education work in public schools, charter schools and in private school settings. A degree in secondary education provides students with knowledge and skills required for job opportunities in various educational settings. In a recent survey conducted at graduation, a majority of seniors reported they had received job offers.

Contact Information:

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Secondary Education (Geography), BAE (EDGCUBAE)

Campus: POLY, TEMPE, WEST

Program Description: The B.A.E. in secondary education program prepares educators who wish to teach students in seventh through 12th grades. In order to integrate teacher education preparation with the secondary education requirement for an academic specialization, the college maintains connections with academic departments across the university. Field experience and student teaching are required components of this degree.

Secondary education in geography is offered in it's entirely on ASU's Tempe campus. Students have the option to take the iTeachAZ courses at the Polytechnic, Tempe and West campuses, as well as general studies courses that are part of this curriculum. All graduates of this program must pass state certification tests in content area knowledge and professional knowledge. Please consult an academic success specialist for additional information.

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 142 - College Mathematics

Admission Requirements:

Career Opportunities: Graduates from secondary education are recommended for certification in grades seven through 12 in an academic content area and have the option of pursuing a middle grade endorsement that adds the ability to teach grades five and six, along with seven through 12. According to recent research on teacher supply and demand, the demand for well-prepared secondary teachers is strong, particularly in the areas of math and science. Job opportunities in a fast growing state such as Arizona are numerous. Many graduates with a degree in secondary education work in public schools, charter schools and in private school settings. A degree in secondary education provides students with knowledge and skills required for job opportunities in various educational settings. In a recent survey conducted at graduation, a majority of seniors reported they had received job offers.

Contact Information:

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Secondary Education (German), BAE (EDGERBAE)

Campus: POLY, TEMPE, WEST

Program Description: The B.A.E. in secondary education program prepares educators who wish to teach students in seventh through 12th grades. While students develop a strong theoretical background, the program focuses on developing the requisite teaching knowledge and abilities to be a successful middle or high school teacher. In order to integrate teacher education preparation with the secondary education requirement for an academic specialization, the college maintains connections with academic departments across the university. Field experience and student teaching are required components of this degree.

Secondary education in German is offered in its entirety on ASU's Tempe campus. Students have the option to take the iTeachAZ courses at the Polytechnic, Tempe and West campuses, as well as general studies courses that may be available that are part of this curriculum. A limited portion of specialization courses are also offered at the Downtown campus. All graduates of this program must pass state certification tests in content area knowledge and professional knowledge. Please consult with an Academic Success Specialist for additional information.

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 142 - College Mathematics

Admission Requirements:

Career Opportunities: Graduates from secondary education are recommended for certification in grades seven through 12 in an academic content area and have the option of pursuing a middle grade endorsement that adds the ability to teach grades five and six, along with seven through 12. According to recent research on teacher supply and demand, the demand for well-prepared secondary teachers is strong, particularly in the areas of math and science. Job opportunities in a fast growing state such as Arizona are numerous. Many graduates with a degree in secondary education work in public schools, charter schools and in private school settings. A degree in secondary education provides students with knowledge and skills required for job opportunities in various educational settings. In a recent survey conducted at graduation, a majority of seniors reported they had received job offers.

Contact Information:

Teachers College, Mary Lou Fulton

Division of Teacher Preparation

<http://education.asu.edu/>

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602-543-6358

Secondary Education (History), BAE (TEHISBAE)

Campus: POLY, TEMPE, WEST

Program Description: The B.A.E. in secondary education program prepares educators who wish to teach students in seventh through 12th grades. While students develop a strong theoretical background, the program focuses on developing the requisite teaching knowledge and abilities to be a successful middle or high school teacher. In order to integrate teacher education preparation with the secondary education requirement for an academic specialization, the college maintains connections with academic departments across the university. Field experience and student teaching are required components of this degree.

Secondary education in history is offered in its entirety on ASU's Tempe, West and Polytechnic campuses. A portion of specialization courses are also available at the Downtown Phoenix campus. Students have the option to take the iTeachAZ courses at the Polytechnic, Tempe and West campuses, as well as general studies courses that are part of this curriculum. All graduates of this program must pass state certification tests in content area knowledge and professional knowledge. Please consult an academic success specialist for additional information.

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 142 - College Mathematics

Transfer Agreements: ASU has partnered with the following institutions to enable you to do a seamless transfer:

Arizona Western College (<http://transfer.asu.edu/az-western>)

Central Arizona College (<http://transfer.asu.edu/central-az>)

Cochise College (<http://transfer.asu.edu/cochise>)

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities: Graduates from secondary education are recommended for certification in grades seven through 12 in an academic content area and have the option of pursuing a middle grade endorsement that adds the ability to teach grades five and six, along with seven through 12. According to recent research on teacher supply and demand, the demand for well-prepared secondary teachers is strong, particularly in the areas of math and science. Job opportunities in a fast growing state such as Arizona are numerous. Many graduates with a degree in secondary education work in public schools, charter schools and in private school settings. A degree in secondary education provided students with knowledge and skills required for job opportunities in various educational settings. In a recent survey conducted at graduation, a majority of seniors reported they had received job offers.

Contact Information:

Teachers College, Mary Lou Fulton
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Secondary Education (Japanese), BAE (EDJPNBAE)

Campus: POLY, TEMPE, WEST

Program Description: The B.A.E. in secondary education program prepares educators who wish to teach students in seventh through 12th grades. While students develop a strong theoretical background, the program focuses on developing the requisite teaching knowledge and abilities to be a successful middle or high school teacher. In order to integrate teacher education preparation with the secondary education requirement for an academic specialization, the college maintains connections with academic departments across the university. Field experience and student teaching are required components of this degree.

Secondary education in Japanese is offered in its entirety on ASU's Tempe campus. Students have the option to take the iTeachAZ& courses at the Polytechnic, Tempe and West campuses, as well as general studies courses that are part of this curriculum. All graduates of this program must pass a state certification test in professional knowledge. Please consult an academic success specialist for additional information.

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 142 - College Mathematics

Admission Requirements:

Career Opportunities: Graduates from secondary education are recommended for certification in grades seven through 12 in an academic content area and have the option of pursuing a middle grade endorsement that adds the ability to teach grades five and six, along with seven through 12. According to recent research on teacher supply and demand, the demand for well-prepared secondary teachers is strong, particularly in the areas of math and science. Job opportunities in a fast growing state such as Arizona are numerous. Many graduates with a degree in secondary education work in public schools, charter schools and in private school settings. A degree in secondary education provides students with knowledge and skills required for job opportunities in various educational settings. In a recent survey conducted at graduation, a majority of seniors reported they had received job offers.

Contact Information:

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Secondary Education (Mathematics), BAE (TEMATBAE)

Campus: POLY, TEMPE, WEST

Program Description: The B.A.E. in secondary education program prepares educators who wish to teach students in seventh through 12th grades. While students develop a strong theoretical background, the program focuses on developing the requisite teaching knowledge and abilities to be a successful middle or high school teacher. In order to integrate teacher education preparation with the secondary education requirement for an academic specialization, the college maintains connections with academic departments across the university. Field experience and student teaching are required components of this degree.

Secondary education in mathematics is offered in its entirety on ASU's Tempe and West campus. Students have the option to take the iTeachAZ courses at the Polytechnic, Tempe and West campuses, as well as general studies courses that are part of this curriculum. All graduates of this program must pass state certification tests in content area knowledge and professional knowledge. Please consult an academic success specialist for additional information.

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 270 - Calculus w/Analytic Geometry I

Transfer Agreements: ASU has partnered with the following institutions to enable you to do a seamless transfer:

Central Arizona College (<http://transfer.asu.edu/central-az>)

Cochise College (<http://transfer.asu.edu/cochise>)

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities: Graduates from secondary education are recommended for certification in grades seven through 12 and have the option of pursuing a middle grade endorsement that provides the ability to teach grades five and six, along with seven through 12.

According to recent research on teacher supply and demand, the demand for well-prepared secondary teachers is strong, particularly in the areas of math and science. Job opportunities in a fast growing state such as Arizona are numerous. Many graduates with a degree in secondary education work in public schools, charter schools and in private school settings. A degree in secondary education provides students with knowledge and skills required for job opportunities in various educational settings. In a recent survey conducted at graduation, a majority of seniors reported they had received job offers.

Contact Information:

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Secondary Education (Physical Education), BAE (ECPPEBAE)

Campus: POLY

Program Description: The physical education concentration under the B.A.E. in secondary education prepares future teachers to delivery quality K-12 physical education programs. This program is unique in its practice-oriented focus on intensive field experiences, practical application of current knowledge, a field-tested and widely used curriculum and classroom management model, and an emphasis on current technology. The curriculum directly aligns with Arizona's standards for teachers and the National Association for Sport and Physical Education's beginning teacher standards.

During the first two years of the program, students explore education as a career field and gain experience in local community schools and agencies. During the final two years, students complete content specific teaching methodology courses and intensive field experiences at the elementary and secondary levels. Course instructors use their experience teaching in a variety of K-12 settings and coaching environments to augment class experiences with many practical applications.

Secondary education in physical education is offered in its entirety on ASU's Polytechnic campus. All graduates of this program must pass state certification tests in content area knowledge and professional knowledge. Please consult an academic success specialist for additional information on this major.

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 142 - College Mathematics

Admission Requirements: Students will be admitted to the preprofessional status and must complete additional requirements for entrance to the professional status. See department web site for more information.

Career Opportunities: Graduates specializing in physical education receive a secondary teaching certificate with a K-12 endorsement. According to recent research on teacher supply and demand, the demand for well-prepared secondary teachers is strong, particularly in the areas of math and science. Job opportunities in a fast growing state such as Arizona are numerous. Many graduates with a degree in secondary education work in public schools, charter schools and in private school settings. A degree in secondary education provides students with knowledge and skills required for job opportunities in many educational settings. In a recent survey conducted at graduation, a majority of seniors reported they had received job offers.

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Secondary Education (Physics), BAE (EDPHYBAE)

Campus: POLY, TEMPE, WEST

Program Description: The B.A.E. in secondary education program prepares educators who wish to teach students in seventh through 12th grades. While students develop a strong theoretical background, the program focuses on developing the requisite teaching knowledge and abilities to be a successful middle or high school teacher. In order to integrate teacher education preparation with the secondary education requirement for an academic specialization, the college maintains connections with academic departments across the university. Field experience and student teaching are required components of this degree.

Secondary education in physics is offered entirely on ASU's Tempe campus. Students have the option to take the iTeachAZ courses at the

Polytechnic, Tempe and West campuses, as well as general studies courses that are part of this curriculum. All graduates of this program must pass state certification tests in content area knowledge and professional knowledge. Please consult an academic success specialist for additional information.

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 270 - Calculus w/Analytic Geometry I

Admission Requirements:

Transfer Agreements: ASU has partnered with the following institutions to enable you to do a seamless transfer:
Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities: Graduates from secondary education are recommended for certification in grades seven through 12 in an academic content area and have the option of pursuing a middle grade endorsement that adds the ability to teach grades five and six, along with seven through 12. According to recent research on teacher supply and demand, the demand for well-prepared secondary teachers is strong, particularly in the areas of math and science. Job opportunities in a fast growing state such as Arizona are numerous. Many graduates with a degree in secondary education work in public schools, charter schools and in private school settings. A degree in secondary education provides students with knowledge and skills required for job opportunities in various educational settings. In a recent survey conducted at graduation, a majority of seniors reported they had received job offers.

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Secondary Education (Political Science), BAE (TEPOLBAE)

Campus: POLY, TEMPE, WEST

Program Description: The B.A.E. in secondary education program prepares educators who wish to teach students in seventh through 12th grades. While students develop a strong theoretical background, the program focuses on developing the requisite teaching knowledge and abilities to be a successful middle or high school teacher. In order to integrate teacher education preparation with the secondary education requirement for an academic specialization, the college maintains connections with academic departments across the university. Field experience and student teaching are required components of this degree.

All graduates of this program will have to pass state certification tests in content area knowledge and professional knowledge. Please consult an academic success specialist for additional information.

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 142 - College Mathematics

Transfer Agreements: ASU has partnered with the following institutions to enable you to do a seamless transfer:
Arizona Western College (<http://transfer.asu.edu/az-western>)
Central Arizona College (<http://transfer.asu.edu/central-az>)
Cochise College (<http://transfer.asu.edu/cochise>)
Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities: Graduates from secondary education are recommended for certification in grades seven through 12 in an academic content area and have the option of pursuing a middle grade endorsement that adds the ability to teach grades five and six, along with seven through 12. According to recent research on teacher supply and demand, the demand for well-prepared secondary teachers is strong, particularly in the areas of math and science. Job opportunities in a fast growing state such as Arizona are numerous. Many graduates with a degree in secondary education work in public schools, charter schools and in private school settings. A degree in secondary education provides students with knowledge and skills required for job opportunities in various educational settings. In a recent survey conducted at graduation, a majority of seniors reported they had received job offers.

Contact Information:

Teachers College, Mary Lou Fulton
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Secondary Education (Spanish), BAE (TESPABAE)

Campus: POLY, TEMPE, WEST

Program Description: The B.A.E. in secondary education program prepares educators who wish to teach students in seventh through 12th grades. While students develop a strong theoretical background, the program focuses on developing the requisite teaching knowledge and abilities to be a successful middle or high school teacher. In order to integrate teacher education preparation with the secondary education requirement for an academic specialization, the college maintains connections with academic departments across the university. Field experience and student teaching are required components of this degree.

Secondary education in Spanish is offered in its entirety on ASU's Tempe campus. Students have the option to take the iTeachAZ courses at the Polytechnic, Tempe and West campuses, as well as general studies courses that are part of this curriculum. All graduates of this program must pass a state certification test in professional knowledge. Please consult with an Academic Success Specialist for additional information.

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 142 - College Mathematics

Career Opportunities: Graduates from secondary education are recommended for certification in grades seven through 12 in an academic content area and have the option of pursuing a middle grade endorsement that adds the ability to teach grades five and six, along with seven through 12. According to recent research on teacher supply and demand, the demand for well-prepared secondary teachers is strong, particularly in the areas of math and science. Job opportunities in a fast growing state such as Arizona are numerous. Many graduates with a degree in secondary education work in public schools, charter schools and in private school settings. A degree in secondary education provides students with knowledge and skills required for job opportunities in various educational settings. In a recent survey conducted at graduation, a majority of seniors reported they had received job offers.

Contact Information:

Teachers College, Mary Lou Fulton

Division of Teacher Preparation

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602-543-6358

Special Education, BAE (TESPEBAE)

Campus: DTPHX, POLY, TEMPE, WEST

Program Description: The B.A.E. in special education/elementary education in the Mary Lou Fulton Teachers College is available at all campuses. This dual certificate program prepares students to work with children with mild disabilities in inclusive settings. The program offers students a firm grounding in academic content with current research and best practices, accompanied by real-world classroom experiences. Students engage in field experiences and student teaching that aligns with their special education and elementary education academic programs. Faculty members in the program are nationally recognized for their work in the field of education.

All students graduate from the program with extensive experience in integrating technology into teaching and a provisional endorsement to work with English-language learners. This is a dual-certificate program, which leads to certification in special education for K-12 in mild cross-categorical disabilities and elementary education for first-through-eighth grade certification. All graduates of this program must pass state certification tests in content area knowledge and professional knowledge.

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 142 - College Mathematics

Transfer Agreements: ASU has partnered with the following institutions to enable you to do a seamless transfer:

Coconino Community College (<http://transfer.asu.edu/coconino>)

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Mohave Community College (<http://transfer.asu.edu/mohave>)

Career Opportunities: National and state studies report the projected need in the next five to 10 years will be extremely high for special education teachers. Graduates of the B.A.E. in special education/elementary education program will be eligible to teach K-12 for the spectrum of high incidence disabilities (learning disabilities, behavior disabilities and mild mental retardation) in a variety of educational environments, including public, charter and private schools. In a survey conducted at graduation, a majority of seniors reported they had received job offers.

Contact Information:

Teachers College, Mary Lou Fulton

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Technology & Innovation, College of

Aeronautical Management Technology (Air Transportation Management), BS (TSAMTMBS)

Campus: POLY

Program Description: The air transportation management concentration, under the B.S. in aeronautical management technology, prepares students for leadership positions in the on-ground areas of the aviation industry, including management of air carriers or airports, airport planning or general aviation operations.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Polytechnic campus. Students from Western states, who select this major and campus, may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (<http://students.asu.edu/admission/wue>).

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 265 - Calculus for Engineers I

Career Opportunities: A degree in air transportation management prepares graduates for these careers:

- Air carrier manager.
- Airport manager.
- Aviation consulting.
- General aviation operations manager.
- Governmental positions, with the FAA, DOT, NTSB.

Contact Information:

Technology & Innovation, College of
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480-727-1874

Aeronautical Management Technology (Professional Flight), BS (TSAMTFBS)

Campus: POLY

Program Description: Students in this program learn to fly in an academic environment that perfectly prepares graduates for a career as a private or commercial pilot. Flight training is offered through an Airline Bridge Training Program in conjunction with Mesa Pilot Development, the primary flight training arm of Mesa Airlines. Graduates are guaranteed an interview with Mesa Airlines upon completion of their degrees.

Arizona's clear skies offer the best flying environment in the country, but students also have access to state-of-the-art simulators, including two full motion-based regional jet flight simulators and a regional jet flight training device. Other facilities, like the high altitude simulation chamber, provide students with educational opportunities unique among collegiate aviation academic programs.

The professional flight concentration, under the B.S. in aeronautical management technology, is for students who are seriously interested in becoming professional airline pilots. Graduates are prepared to assume responsibilities in a wide variety of technically related areas within professional aviation flight operations.

The Aviation Accreditation Board International accredits this program and the Federal Aviation Administration (FAA) certifies flight instruction.

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 265 - Calculus for Engineers I

Admission Requirements: This major has additional admission requirements including Federal Aviation Administration requirements. Students will be admitted to the pre-professional status and then complete additional requirements for admission to the professional program. See <http://eastair.poly.asu.edu/> (<http://eastair.poly.asu.edu/>) for more information.

Career Opportunities: The professional flight concentration offers students private pilot, commercial pilot and flight instructor certificates, as well as instrument pilot, instrument instructor and multiengine pilot ratings. With these flight qualifications and the technically based bachelor's, the graduate has a wide variety of career opportunities, including flight crew service on commercial and business aircraft.

Contact Information:

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480-727-1874

Agribusiness (Agribusiness Science), BS (AGAGBPBS)

Campus: POLY

Program Description: By adding a concentration in agribusiness science/pre-veterinary, students can build on course work in chemistry and biology, to open opportunities for further study, including veterinary medicine. Others may seek to apply their science knowledge in the human or veterinary pharmaceutical industries or in the food industry, focusing on processing, production and food safety.

The agribusiness industry is increasingly competitive, sophisticated and global, driving demand for innovative leaders who understand the industry's unique challenges and practices. The programs offered through the highly respected Morrison School of Agribusiness and Resource Management prepare graduates for success in graduate school or a wide range of careers.

The B.S. in agribusiness teaches students the business of agricultural production, finance, marketing and distribution. Through a technology-rich curriculum that focuses on real-world projects, students explore global agribusiness issues such as international trade, food safety and sustainability.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Polytechnic campus. Students from Western states, who select this major and campus, may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (<http://students.asu.edu/admission/wue>).

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 210 - Brief Calculus

Career Opportunities: Accounting for more than 50 percent of the global economy and employing 25 percent of Americans, agribusiness brings food from the farm to the global table. Possible career paths include management, marketing, finance and technical positions with private agribusiness firms and governmental agencies, as well as veterinary medicine.

Contact Information:

Technology & Innovation, College of
Morrison School of Agribusiness and Resource Mgmt
<http://technology.asu.edu/morrison>
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technology@asu.edu
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Agribusiness (Global Agribusiness), BS (AGAGBGABS)

Campus: POLY

Program Description: The agribusiness industry is increasingly competitive, sophisticated and global, driving demand for innovative leaders who understand the industry's unique challenges and practices. The programs offered through the highly respected Morrison School of Agribusiness and Resource Management prepare graduates for success in graduate school or a wide range of careers.

The B.S. in agribusiness teaches students the business of agricultural production, finance, marketing and distribution. Through a technology-rich curriculum that focuses on real-world projects, students explore global agribusiness issues such as international trade, food safety and sustainability.

The concentration in global agribusiness is an applied, industry-oriented curriculum. This concentration is specifically designed to meet the needs of the students interested in studying the business aspects of agriculture in the domestic and global economy. Students learn to analyze and manage issues involved in food manufacturing, input and output supply activities, commodity trading and food distribution.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Polytechnic campus. Students from Western states, who select this major and campus, may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program

(<http://students.asu.edu/admission/wue>).

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 210 - Brief Calculus

Transfer Agreements: ASU has partnered with the following institutions to enable you to do a seamless transfer:

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities: Accounting for more than 50 percent of the global economy and employing 25 percent of Americans, agribusiness brings food from the farm to the global table. Possible career paths include management, marketing, finance and technical positions with private agribusiness firms and governmental agencies, as well as veterinary medicine.

Contact Information:

Technology & Innovation, College of

Morrison School of Agribusiness and Resource Mgmt

<http://technology.asu.edu/morrison>

SUTON 340

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480-727-1784

Air Traffic Management, BS (TSATMBS)

Campus: POLY

Program Description: The B.S. in air traffic management provides a technical foundation in air traffic control procedures and operations for students interested in becoming air traffic controllers who ensure safe, orderly and expeditious flow of aircraft traffic on the ground and in the air. Students gain a strong background in aircraft operations, management skills and business principles through course work specific to air traffic control.

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 265 - Calculus for Engineers I

Admission Requirements: This major has additional admission requirements including Federal Aviation Administration requirements. Students who do not have US citizenship status cannot be admitted to the program. Students will be admitted to the pre-professional status and then complete additional requirements for admission to the professional program. See www.poly.asu.edu/aviation for more information.

Career Opportunities: It is estimated that the Federal Aviation Administration (FAA) will hire approximately 15,000 air traffic controllers in the next 10 years. Increases in the volume of air traffic will require more controllers to handle the additional work. New computerized systems will assist controllers by automatically making many of the routine decisions. This will allow controllers to handle more traffic, thus increasing their productivity. To prepare for this challenge, students receive training in the methodologies and technologies that are currently being developed for the Next Generation Air Traffic Control Systems. Despite the obvious demand for new controllers in the immediate future, competition to get into the FAA-approved training programs is expected to remain intense, as there generally are many more applicants than there are openings. Graduates from this program have an excellent opportunity of being hired as air traffic controllers.

Contact Information:

Technology & Innovation, College of

Dept of Tech Entrepreneurship and Innovation Mgmt

<http://technology.asu.edu/aviation>

SUTON 340

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Applied Biological Sciences (Applied Biological Sciences), BS (TSABSABS)

Campus: POLY

Program Description: The applied biological sciences concentration provides students with an opportunity to prepare for applied professional studies in many health fields such as medicine, dentistry, veterinary or other related fields. This concentration is also well suited for who have a non-specific interest in the biology or plan on continuing to graduate school in the biological sciences. Students interact with faculty in classrooms, use state-of-the-art labs and, when appropriate, attend outdoor settings that may include the Sonoran desert, surrounding ecosystems and the landscape of the greater Phoenix area.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Polytechnic campus. Students from

Western states, who select this major and campus, may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (<http://students.asu.edu/admission/wue>).

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 210 - Brief Calculus

Transfer Agreements: ASU has partnered with the following institutions to enable you to do a seamless transfer:

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities: Graduates can pursue entry-level careers in wildlife and restoration ecology, urban horticulture and secondary education.

The general program in applied biological sciences prepares graduates to succeed in graduate and professional schools in disciplines such as:

- Animal health.
- Dentistry.
- Ecology.
- Environmental biotechnology.
- Horticulture.
- Medicine.
- Physical therapy.
- Veterinary medicine.
- Wildlife biology.

Contact Information:

Technology & Innovation, College of

Department of Applied Sciences and Mathematics

<http://technology.asu.edu/dasm>

SUTON 340

technology@asu.edu

480-727-1874

Applied Biological Sciences (Secondary Education in Biology), BS (TSABSSBS)

Campus: POLY

Program Description: The secondary education in biology concentration of the B.S. in applied biological sciences qualifies students for state of Arizona certification in secondary biology education. The concentration is a rigorous science-based curriculum, providing graduates with the ability to address, in the classroom, a wide range of biological and environmental issues. Students will have advisors in the College of Technology and Innovation and Mary Lou Fulton Teachers College.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Polytechnic campus. Students from Western states, who select this major and campus, may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (<http://students.asu.edu/admission/wue>).

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 210 - Brief Calculus

Career Opportunities: Graduates can pursue numerous entry-level careers in biology. Specific career fields include secondary education, wildlife and restoration ecology and urban horticulture. Employment opportunities exist in private and public sectors. The general program in applied biological sciences also prepares graduates to succeed in graduate or professional schools in disciplines such as:

- Animal health.
- Dentistry.
- Ecology.
- Environmental biotechnology.
- Horticulture.
- Medicine.
- Physical therapy.
- Teaching.
- Wildlife biology.

Contact Information:

Technology & Innovation, College of
Department of Applied Sciences and Mathematics
<http://technology.asu.edu/dasm>
SUTON 340
technology@asu.edu
480-727-1874

Applied Biological Sciences (Urban Horticulture), BS (TSABSUBS)

Campus: POLY

Program Description: The urban horticulture concentration, under the B.S. in applied biological sciences degree, focuses on the relationship of plants and people in urban and suburban environments, with major emphasis given to the sustainability of these environments. Set in a unique Southwestern desert location, students learn how to practice urban horticulture principles and develop skills to create aesthetically pleasing urban environments. This approach is coupled with an appreciation of environmental conservation and stewardship.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Polytechnic campus. Students from Western states, who select this major and campus, may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (<http://students.asu.edu/admission/wue>).

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 210 - Brief Calculus

Career Opportunities: Graduates can pursue numerous entry-level careers in biology. Specific career fields include secondary education, wildlife and restoration ecology and urban horticulture. Employment opportunities exist in private and public sectors. The general program in applied biological sciences also prepares graduates to succeed in graduate or professional schools in disciplines such as:

- Animal health.
- Dentistry.
- Ecology.
- Environmental biotechnology.
- Horticulture.
- Medicine.
- Physical therapy.
- Wildlife biology.

Contact Information:

Technology & Innovation, College of
Department of Applied Sciences and Mathematics
<http://technology.asu.edu/dasm>
SUTON 340
technology@asu.edu
480-727-1874

Applied Biological Sciences (Wildlife & Restoration Ecology), BS (TSABSRBS)

Campus: POLY

Program Description: The wildlife and restoration ecology concentration focuses on the application of ecological principles to the management of wildlife and the restoration of ecosystems. The concentration examines the management of wildlife species and their habitat and emphasizes the reconstruction of degraded ecosystems, to improve ecological structure and function and meet societal needs for sustainable and functional ecosystems. Students interact with faculty in classrooms, use state-of-the-art labs and, when appropriate, attend outdoor settings that may include the Sonoran desert, surrounding ecosystems and the landscape of the greater Phoenix area. Knowledge and skills learned prepare students for careers as biologists, resource managers, range managers, wildlife managers, environmental consultants, other professional areas or graduate studies.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Polytechnic campus. Students from Western states, who select this major and campus, may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (<http://students.asu.edu/admission/wue>).

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 210 - Brief Calculus

Transfer Agreements: ASU has partnered with the following institutions to enable you to do a seamless transfer:
Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities: Graduates can pursue numerous entry-level careers in biology. Specific career fields include secondary education, wildlife and restoration ecology and urban horticulture. Employment opportunities exist in private and public sectors.

The general program in applied biological sciences also prepares graduates to succeed in graduate or professional schools in disciplines such as:

- Animal health.
- Dentistry.
- Ecology.
- Environmental biotechnology.
- Horticulture.
- Medicine.
- Physical therapy.
- Wildlife biology.

Contact Information:

Technology & Innovation, College of
Department of Applied Sciences and Mathematics
<http://technology.asu.edu/dasm>
SUTON 340
technology@asu.edu
480-727-1874

Applied Computer Science, BS (TSACSBBS)

Campus: POLY

Program Description: The B.S in applied computer science provides students with an education that targets the computing profession. Students will learn to use mathematics, science and economics, along with technological knowledge and skill in the application of programming languages and software processes, to design, analyze, implement and test software systems and applications. The program is problem and project based, utilizing the languages, tools and methods of computing best practices.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Polytechnic campus. Students from Western states, who select this major and campus, may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (<http://students.asu.edu/admission/wue>).

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 265 - Calculus for Engineers I

Career Opportunities: Graduates find opportunities as members of an engineering team in software applications areas such as the Web, databases, limited devices (cell phones), networks and security. The current demand for software and computer hardware personnel is high, and the starting salaries for these employees are typically well above the average.

Contact Information:

Technology & Innovation, College of
Department of Engineering
<http://technology.asu.edu/engineering/>
SUTON 340
technology@asu.edu
480-727-1874

Applied Psychology, BS (ECPSYBS)

Campus: POLY

Program Description: Students in the applied psychology program become experts in human performance. They apply the methods of

experimental psychology and cognitive science to a wide variety of domains, such as product usability, sports performance and workplace and hospital safety.

A broad range of professions needs experts in human factors to work on problems that involve design, training and assessment. Students gain real-world experience by tackling projects that examine cutting-edge issues, such as cell phones as a source of driver distraction, detection of improvised explosive devices, process optimization in health care and even control of unmanned vehicles.

Interest areas include:

- Aviation human factors.
- Cognitive performance.
- Consumer psychology.
- Effective teamwork.
- Health psychology.
- Learning optimization.
- Social cognition.
- Threat detection.
- User-centered design.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Polytechnic campus. Students from Western states, who select this major and campus, may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (<http://students.asu.edu/admission/wue>).

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 170 - Precalculus

Career Opportunities: Most careers in psychology require a master's or a doctorate, but an undergraduate degree with an emphasis in human factors can lead to many lucrative employment opportunities. We routinely place our top undergraduate students in internships in government laboratories or at leading companies in the fields of technology, training and transportation, and many of these opportunities turn into careers. Our emphasis on usability design and applied experimental and statistical methodologies provide students with a skill set that is highly sought by today's leading businesses.

Contact Information:

Technology & Innovation, College of
Faculty of Applied Psychology
<http://technology.asu.edu/appliedpsych>
SUTON 340
technology@asu.edu
480-727-1874

Applied Science, BAS (TSAPSBAS)

Campus: POLY

Program Description: The B.A.S. program is a flexible degree plan designed specifically for students who hold an A.A.S. from an accredited community college. This major combines the technical experience gained in the student's associate's degree program with a broader educational experience in management, leadership, critical thinking and communications. Students in the B.A.S. program select one of eight offered concentrations:

- Aviation management technology.
- Electronic and energy systems.
- Emergency management.
- Graphic information technology.
- Internet and Web development.
- Manufacturing technology and management.
- Operations management technology.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Polytechnic campus. Students from Western states, who select this major and campus, may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (<http://students.asu.edu/admission/wue>).

Additional Program Fee: N

Second Language Requirement: N

Admission Requirements: Students applying to this program must have completed an Associate of Applied Science (AAS) degree. This program is not available for freshmen.

Career Opportunities: The wide range of concentrations provides graduates diverse career opportunities. B.A.S. program course work gives the graduate greater skills to be successful as a professional working in a technical area. Graduates have the ability to supervise and manage people in highly specialized technical and service industry positions.

Contact Information:

Technology & Innovation, College of
Dean, College of Technology and Innovation
<http://technology.asu.edu>
SUTON 340
technology@asu.edu
480-727-1874

Applied Science (Aviation Management Technology), BAS (TSAMTABAS)

Campus: POLY

Program Description: The B.A.S. program is a flexible, 60-credit-hour degree designed specifically for students who have earned an A.A.S. from a regionally accredited institution.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Polytechnic campus. Students from Western states, who select this major and campus, may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (<http://students.asu.edu/admission/wue>).

Additional Program Fee: N

Second Language Requirement: N

Admission Requirements: Students applying to this program must have completed an Associate of Applied Science (A.A.S.) degree from a regionally accredited institution. Not available for freshmen.

Career Opportunities: The concentration in aviation management technology is for students who have received training and education in some aspect of the air transportation industry (other than aviation maintenance), such as flight certificates and ratings as part of their associate's degree. Students receive an orientation in management practices that prepares them for advanced positions in the aviation management field.

Contact Information:

Technology & Innovation, College of
Dept of Tech Entrepreneurship and Innovation Mgmt
<http://technology.asu.edu/aviation>
SUTON 340
technology@asu.edu
480-727-1874

Applied Science (Electronic Energy Systems), BAS (TSEESBAS)

Campus: POLY

Program Description: The B.A.S. program is a flexible degree designed specifically for students who have earned an A.A.S. from a regionally accredited institution.

The electronic and energy systems concentration serves students with an electronics background via three paths or emphasis areas - alternative energy, electronic systems and integrated electronic systems (focused on the semiconductor industry).

The alternative energy technologies emphasis explores various alternative energy resources. At the heart of the program is the solar-hydrogen cycle, a renewable energy scenario that includes the production of electricity from solar energy and utilization of that electricity to split water into its elemental parts. This program provides hands-on laboratory experience on energy conversion and storage technologies, including photovoltaics, fuel cells, batteries, electrolyzers and supercapacitors.

The electronic systems emphasis allows students to continue to develop a knowledge of electrical and electronic fundamentals, with an applications perspective and a focus on the general topics of microcontrollers and advanced digital controllers and how these are used in industry.

The integrated electronic systems emphasis covers the processes and technology used to develop, design, manufacture and exploit integrated electronic functions on silicon, in packages and on boards. The program provides hands-on laboratory experience in integrated circuit device fabrication and manufacturing in a setting that emulates industry.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Polytechnic campus. Students from Western states, who select this major and campus, may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (<http://students.asu.edu/admission/wue>).

Additional Program Fee: N

Second Language Requirement: N

Admission Requirements: Students applying to this program must have completed an Associate of Applied Science (A.A.S.) degree from a regionally accredited institution. Not available for freshmen.

Career Opportunities: Graduates from the alternative energy emphasis are able to work in a number of different companies involved in alternative energy. These companies may be traditional energy production companies expanding into new production technologies, or start-up companies involved in solar energy or fuel cells.

Graduates from the electronic systems emphasis are able to work as members of engineering teams in applied design, product development, manufacturing, production or operations. They may also be employed in technical services capacities, including field engineering, marketing or sales.

Graduates from the integrated electronic systems emphasis work in integrated circuit processing, testing, field applications and as system integrators.

Contact Information:

Technology & Innovation, College of
Department of Engineering Technology
<http://technology.asu.edu/>
SUTON 340
technology@asu.edu
480-727-1874

Applied Science (Emergency Management), BAS (TSIMCEBAS)

Campus: POLY

Program Description: The B.A.S. program is a flexible, 60-credit-hour degree designed specifically for students who have earned an A.A.S. from a regionally accredited institution. The required capstone class provides experience to students through coordinated internships. Students applying to this program must have completed an A.A.S. from a regionally accredited institution. Not available to freshmen.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Polytechnic campus. Students from Western states, who select this major and campus, may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (<http://students.asu.edu/admission/wue>).

Additional Program Fee: N

Second Language Requirement: N

Admission Requirements: Students applying to this program must have completed an Associate of Applied Science (A.A.S.) degree from a regionally accredited institution. Not available for freshmen.

Career Opportunities: The concentration in emergency management opens the door to a challenging career as a professional emergency manager. The advancement of technology has created the potential for more devastating disasters than ever before. As a result, there is an increasing demand for emergency managers who have a solid foundation in scientific and technical disciplines, as well as management skills.

Contact Information:

Technology & Innovation, College of
Dept of Tech Entrepreneurship and Innovation Mgmt
<http://technology.asu.edu/etm>
SUTON 340
technology@asu.edu
480-727-1874

Applied Science (Graphic Information Technology), BAS (TSGITBAS)

Campus: POLY

Program Description: The B.A.S. program is a flexible, 60-credit-hour degree designed specifically for students who have earned a relevant A.A.S. from a regionally accredited institution.

The concentration in graphic information technology prepares graduates in the cross-media graphic industry that includes:

- 3-D modeling.
- Animation.
- Commercial digital photography.
- Gaming.
- Internet and Web development.
- Multimedia.
- Printing and digital publishing.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Polytechnic campus. Students from Western states, who select this major and campus, may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (<http://students.asu.edu/admission/wue>).

Additional Program Fee: N

Second Language Requirement: N

Admission Requirements: Students applying to this program must have completed an Associate of Applied Science (A.A.S.) degree in computer graphic design, digital arts, digital photography, eLearning design specialist, game technology, graphic design, animation and web publishing design, graphic design: visual communication, information technology: web and graphic design, media arts: desktop publishing, media arts: web design, multimedia, multimedia and business technology, and video production technology.

Career Opportunities: Graduates of the program, which combines technical course work with management content, are prepared to assume supervisory positions in industry such as:

- Animation specialist.
- Art director.
- Commercial photographer.
- Customer service representative.
- Graphic designer.
- Plant manager.
- Production manager.
- Quality assurance manager.
- Web developer.

The technical graphics option prepares graduates for positions in industries implementing technical and engineering graphics in computer-aided design and computer-integrated manufacturing.

The website design option prepares graduates for careers in the ever-expanding arena of website design and publishing.

The digital publishing option prepares graduates for lead technical and entry-level management positions in the printing and publishing industry.

The digital media management option prepares graduates for technical positions in industries implementing, planning and producing interactive communications.

Contact Information:

Technology & Innovation, College of
Dept of Tech Entrepreneurship and Innovation Mgmt
<http://technology.asu.edu>
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technology@asu.edu
480-727-1874

Applied Science (Internet & Web Development), BAS (TSIWDBAS)

Campus: ONLNE, POLY

Program Description: The B.A.S. program is a flexible, 60-credit-hour degree designed specifically for students who have earned a relevant A.A.S. from a regionally accredited institution.

The concentration in Internet and Web development focuses on the development of Internet sites, including security, usability, e-commerce, server and client-side issues, and cross-media graphic applications. All courses for this program are available online.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Polytechnic campus. Students from Western states, who select this major and campus, may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (<http://students.asu.edu/admission/wue>).

Additional Program Fee: N

Second Language Requirement: N

Admission Requirements: Students applying to this program must have completed an Associate of Applied Science (A.A.S.) degree in web design, web development, media arts: digital animation, media arts: web design, web developer, web designer, web server administrator, and graphic design, animation and web publishing design.

Career Opportunities: This degree prepares graduates for careers in the ever-expanding arena of website design and publishing.

Contact Information:

Technology & Innovation, College of
Dept of Tech Entrepreneurship and Innovation Mgmt
<http://technology.asu.edu/git>
SUTON 340
technology@asu.edu
480-727-1874

Applied Science (Manufacturing Technology & Management), BAS (TSMETFBAS)

Campus: POLY

Program Description: The B.A.S. program is a flexible, 60-credit-hour degree designed specifically for students who have earned an A.A.S. from a regionally accredited institution.

The manufacturing technology and management concentration provides a broad understanding of the complex world of manufacturing.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Polytechnic campus. Students from Western states, who select this major and campus, may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (<http://students.asu.edu/admission/wue>).

Additional Program Fee: N

Second Language Requirement: N

Admission Requirements: Students applying to this program must have completed an Associate of Applied Science (A.A.S.) degree from a regionally accredited institution. Not available for freshmen.

Career Opportunities: Typically, students who graduate with this B.A.S. concentration work in manufacturing, production or operations.

Contact Information:

Technology & Innovation, College of
Department of Engineering Technology
<http://technology.asu.edu/engrtech>
SUTON 340
technology@asu.edu
480-727-1784

Applied Science (Operations Management), BAS (TSIMCOBAS)

Campus: ONLNE, POLY

Program Description: The B.A.S. program is a flexible, 60-credit-hour degree designed specifically for students who have earned an A.A.S. from a regionally accredited institution.

The concentration in operations management technology provides the tools needed for success as a manager. An effective manager is someone who:

- Effectively uses available resources to create quality products or services and accomplishes unit goals.
- Hires qualified workers who can do the job or can be trained or educated to perform the job.
- Motivates and develops the workforce.
- Organizes work.
- Understands the work environment; creates a safe and healthful work environment.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Polytechnic campus. Students from Western states, who select this major and campus, may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident

tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (<http://students.asu.edu/admission/wue>).

Additional Program Fee: N

Second Language Requirement: N

Admission Requirements: Students applying to this program must have completed an Associate of Applied Science (A.A.S.) degree from a regionally accredited institution. Not available for freshmen.

Career Opportunities: The B.A.S. in operations management technology prepares undergraduate students for supervisory and management functions in industry, manufacturing, public service and other service organizations.

Contact Information:

Technology & Innovation, College of
Dept of Tech Entrepreneurship and Innovation Mgmt
<http://technology.asu.edu/>
SUTON 340
technology@asu.edu
480-727-1874

Applied Science (Software & Computing Systems), BAS (TSCSTBAS)

Campus: POLY

Program Description: The B.A.S. program with a concentration in software and computing systems is a 60-credit-hour degree designed specifically for students who have earned an A.A.S. from a regionally accredited institution. Students are expected to have an A.A.S. with course work in object-oriented programming, data structures and microcomputer organization/assembly language programming to enroll in upper-division major courses. Upper-division course work and laboratories are offered in two emphasis areas, culminating in a capstone senior project.

The computer systems administration area will broaden and deepen knowledge in networked computer systems. Graduates will be prepared to specify, install, maintain and administer various computer-networking systems.

The cyber security area will broaden and deepen knowledge in securing systems, intrusion detection and various other aspects of information assurance and cyber forensics. Graduates will understand the various threats to computer-networking systems and best practices for securing systems from these threats.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Polytechnic campus. Students from Western states, who select this major and campus, may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (<http://students.asu.edu/admission/wue>).

Additional Program Fee: N

Second Language Requirement: N

Admission Requirements: Students applying to this program must have completed an Associate of Applied Science (A.A.S.) degree from a regionally accredited institution. Not available for freshmen.

Career Opportunities: The program exposes students to advanced concepts and critical thinking skills that prepare them for expanded career opportunities and professional advancement. Graduates from this concentration are prepared to work in systems administration and cybersecurity for Internet and telecommunication companies, a wide variety of information technology providers and information technology centers within most midsize to large corporations. Demand for graduates with these skills continues to rise even while the job market in many other areas is stagnant or declining.

Contact Information:

Technology & Innovation, College of
Department of Engineering
<http://technology.asu.edu/engineering>
SUTON 340
technology@asu.edu
480-727-1874

Computer Systems (Computer Hardware Technology), BS (TSCSTHBS)

Campus: POLY

Program Description: The computer hardware technology concentration, under the B.S. in computer systems, offers students the opportunity to develop knowledge and skills in the broad area of digital systems, computer hardware and computer network applications. Current computing

industry needs drive the program's curriculum. The computer systems program uses mathematics, science and economics along with technological knowledge and skill in the application of programming languages, computer hardware, operating systems and networking to design, analyze, implement and test systems that integrate hardware and low-level software. The program is problem-based with exercises utilizing the languages, tools and methods of computing best practices.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Polytechnic campus. Students from Western states, who select this major and campus, may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (<http://students.asu.edu/admission/wue>).

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 265 - Calculus for Engineers I

Career Opportunities: Graduates find employment opportunities as members of engineering teams working in computer hardware technology, systems development and system analysis. The current demand for highly trained software and computer hardware personnel is high, and the starting salaries for these employees are typically well above the average.

Contact Information:

Technology & Innovation, College of
Department of Engineering
<http://technology.asu.edu/engineering/>
SANTN 330
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480-727-1874

Computer Systems (Embedded Systems Technology), BS (TSCSTMBS)

Campus: POLY

Program Description: The embedded systems technology concentration, under the B.S. in computer systems, provides students with an opportunity to develop knowledge and skills in the broad area of digital systems, computer hardware and computer network applications. Current computing industry needs drive the program's curriculum. The computer systems program uses mathematics, science and economics along with technological knowledge and skill in the application of programming languages, computer hardware, operating systems and networking to design, analyze, implement and test systems that integrate hardware and low-level software. The program is problem-based with exercises utilizing the languages, tools and methods of computing best practices.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Polytechnic campus. Students from Western states, who select this major and campus, may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (<http://students.asu.edu/admission/wue>).

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 265 - Calculus for Engineers I

Career Opportunities: Graduates find employment opportunities as members of engineering teams working in computer embedded systems technology, systems development and system analysis. The current demand for highly trained software and computer hardware personnel is high, and the starting salaries for these employees are typically well above the average.

Contact Information:

Technology & Innovation, College of
Department of Engineering
<http://technology.asu.edu/engineering/>
SUTON 340
technology@asu.edu
480-727-1874

Electronics Engineering Technology (Alternative Energy Technologies), BS (TSEETABS)

Campus: POLY

Program Description: Students in this program are people who enjoy the practice of engineering technology. As graduates, they often work as members of design and development teams, cooperating with other people in and outside their company. The emphasis in this program is placed on understanding how engineering technology principles are applied in practice. The electronics engineering technology program has a practice-based

approach and uses laboratories and industry projects to make electronics engineering real to students. All the faculty members teaching in the program have industry experience.

The goal of the curriculum is to serve the needs of students interested in the applied aspects of electronics engineering at the baccalaureate level. Major components of the program include:

- Design.
- Electronics-related technical courses.
- Engineering science.
- General education.
- Science and mathematics.

The first two years of curriculum include fundamental courses in English, chemistry, math and engineering science (e.g., circuits, devices and digital electronics). Students customize their degree with a specialized concentration.

The alternative energy technologies concentration, under the B.S. in electronics engineering technology, explores the demands of energy resources in the new economy. This program strives to educate individuals in the use of energy sources such as solar, wind, ocean, geothermal and biomass. At the heart of the program is the concept of the solar-hydrogen cycle, an energy scenario including production of electricity from solar energy, and utilization of that electricity to split water into its elemental parts. This program provides hands-on laboratory experience on several energy conversion and storage technologies including photovoltaics, fuel cells, batteries, electrolyzers and supercapacitors. Thus, graduates are able to face the challenge of helping to improve the human quality of life, putting new innovative products into the marketplace and providing society with technological leadership.

This program is accredited by the Technology Accreditation Council (TAC) of ABET.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Polytechnic campus. Students from Western states, who select this major and campus, may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (<http://students.asu.edu/admission/wue>).

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 265 - Calculus for Engineers I

Career Opportunities: Graduates have an understanding of energy and power technology, the contribution of materials and components to the performance of electronic systems and how to exploit the power of integrated electronics to enhance productivity and technology solutions. The alternative energy technologies concentration is aimed at preparing graduates for careers in alternative energy as related to electric power conditioning, control systems, electronics and instrumentation. The specific positions might include:

- Application interface.
- Environmental and reliability analysis.
- Policy analysis.
- Process control.
- System design.
- Technology analysis.

Contact Information:

Technology & Innovation, College of
Department of Engineering Technology
<http://technology.asu.edu/engrtech>
SUTON 340
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480-727-1874

Electronics Engineering Technology (Electronic Systems), BS (TSEETES)

Campus: POLY

Program Description: Students in this program are people who enjoy the practice of engineering technology. As graduates, they often work as members of design and development teams, cooperating with other people in and outside their company. The emphasis in this program is placed on understanding how engineering technology principles are applied in practice. The electronics engineering technology program has a practice-based approach and uses laboratories and industry projects to make electronics engineering real to students. All the faculty members teaching in the program have industry experience.

The goal of the curriculum is to serve the needs of students interested in the applied aspects of electronics engineering at the baccalaureate level. Major components of the program include:

- Design.

- Electronics-related technical courses.
- Engineering science.
- General education.
- Science and mathematics.

The first two years of curriculum include fundamental courses in English, chemistry, math and engineering science (e.g., circuits, devices, and digital electronics). Students customize their degree with a specialized concentration.

The field of electronics engineering technology applies mathematics, science and economics, along with state-of-the-art electronics techniques, materials and devices to solve technological problems and to produce useful products. The concentration in electronic systems, under the B.S. in electronics engineering technology, allows students to develop a broad-based knowledge of electrical/electronic fundamentals with an applications perspective.

This program is accredited by the Technology Accreditation Commission (TAC) of ABET.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Polytechnic campus. Students from Western states, who select this major and campus, may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (<http://students.asu.edu/admission/wue>).

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 265 - Calculus for Engineers I

Career Opportunities: Graduates have an understanding of energy and power technology, the contribution of materials and components to the performance of electronic systems and how to exploit the power of integrated electronics to enhance productivity and technology solutions. The electronic systems concentration prepares persons for careers in control, electronics, instrumentation and power systems applications. Engineering technologists typically work as members of engineering teams in applied design, product development, manufacturing, production or operations. They may also be employed in technical services capacities, including field engineering, marketing or sales.

Contact Information:

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Electronics Engineering Technology (Integrated Electronic Systems), BS (TSEETINBS)

Campus: POLY

Program Description: Students in this program are people who enjoy the practice of engineering technology. As graduates, they often work as members of design and development teams, cooperating with other people in and outside their company. The emphasis in this program is placed on understanding how engineering technology principles are applied in practice. The electronics engineering technology program has a practice-based approach and uses laboratories and industry projects to make electronics engineering real to students. All the faculty members teaching in the program have industry experience.

The goal of the curriculum is to serve the needs of students interested in the applied aspects of electronics engineering at the baccalaureate level.

Major components of the program include:

- Design.
- Electronics-related technical courses.
- Engineering science.
- General education.
- Science and mathematics.

The first two years of curriculum include fundamental courses in English, chemistry, math and engineering science (e.g., circuits, devices, and digital electronics). Students customize their degree with a specialized concentration.

The integrated electronic systems concentration, under the B.S. in electronics engineering technology, explores the processes and technology used to develop, design, manufacture and exploit integrated electronic functions on silicon, in packages and on boards. The program provides hands-on laboratory experience in integrated circuit device fabrication and manufacturing in a setting that emulates industry.

This program is accredited by the Technology Accreditation Council (TAC) of ABET.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Polytechnic campus. Students from Western states, who select this major and campus, may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (<http://students.asu.edu/admission/wue>).

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 265 - Calculus for Engineers I

Career Opportunities: Graduates have an understanding of energy and power technology, the contribution of materials and components to the performance of electronic systems and how to exploit the power of integrated electronics to enhance productivity and technology solutions. Upon completion of this concentration, graduates are prepared for careers in microelectronics industry. Graduates secure positions in integrated circuit processing, testing, field applications, system integrators and as members of diverse scientific engineering teams.

Contact Information:

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Engineering, BSE (TSEGRBSE)

Campus: POLY

Program Description: Solving today and tomorrow's complex problems requires a broad set of interdisciplinary engineering skills. Engineers:

- Design innovative products.
- Improve the quality of life for humankind.
- Prepare for challenges of the future.
- Provide technological leadership.

The B.S.E. is a unique degree program that educates creative engineers who can meet these challenges. The program will provide you with broad foundational knowledge in addition to study in multiple focus areas, providing breadth and depth. Because of the program's novel focus area structure, you have the flexibility to tailor your education to achieve your individual career and life goals. Every semester, you will work as a member of a student team to complete an engineering project in which you will develop and implement the solutions to realistic problems. You will graduate with a wealth of multidisciplinary experience and expertise and be well prepared to begin a career or continue in postgraduate education.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Polytechnic campus. Students from Western states, who select this major and campus, may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (<http://students.asu.edu/admission/wue>).

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 265 - Calculus for Engineers I

Transfer Agreements: ASU has partnered with the following institutions to enable you to do a seamless transfer:
Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities: Engineers normally work as a member of a team that designs, manufactures and delivers technological objects and services. These teams are usually multidisciplinary, and employers frequently seek specific technical skills as opposed to a specific type of engineering degree. Many engineers work in large corporations and governments; others work in small companies or start companies of their own.

Contact Information:

Technology & Innovation, College of
Department of Engineering
<http://technology.asu.edu/engineering/>
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Environmental Technology Management, BS (TSETMBS)

Campus: POLY

Program Description: Environmental technology management is designed to provide graduates with the critical scientific, technical and management skills needed to solve the environmental challenges in today's highly regulated and competitive business climate. The curriculum

includes courses in biology, chemistry, physics, advanced math and statistics. Building on this background, students take course work directly related to industry and environmental law including:

- Capstone project.
- Environmental chemistry.
- Environmental regulations.
- Environmental management.
- International environmental management.
- Occupational hygiene.
- Project management.
- Solid and hazardous waste management.
- Technical communication.
- Unit treatment technologies.
- Water and wastewater treatment.

A joint B.S./M.S. degree option is available in which up to nine hours of the B.S. degree may be applied toward the 33 hours required for the master's in environmental technology management. A special application is required for this option.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Polytechnic campus. Students from Western states, who select this major and campus, may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (<http://students.asu.edu/admission/wue>).

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 210 - Brief Calculus or MAT 251

Career Opportunities: Graduates are prepared as environmental, health and safety professionals in industrial settings, for work in environmental regulatory agencies or environmental engineering consulting firms. They are firmly grounded in the scientific, technical and legal problems facing managers in today's business climate.

Contact Information:

Technology & Innovation, College of
Dept of Tech Entrepreneurship and Innovation Mgmt
<http://technology.asu.edu/etm>
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480-727-1874

Food Industry Management, BS (BAFIMBS)

Campus: ONLNE, POLY

Program Description: This food industry management program is unique and has been developed in close coordination with partners in the food industry to help ensure graduates have the knowledge and skills needed to become immediate leaders in the industry. Students will combine core courses in other business disciplines (finance, marketing, management, accounting, supply chain management and economics) with upper-division courses specific to the food industry.

Students will select from courses in:

- Environmental management and sustainability.
- Food industry sales and management.
- Food marketing strategy.
- Food supply networks.
- Food retailing.
- Futures and options markets.
- Innovation and food product development.
- Insurance.
- Pricing and promotion strategy in food markets.
- Retail information analysis.
- Risk management.

Each of these courses addresses a different issue in which fundamental concepts, theoretical approaches and analytical methods and industry practice are unique to the food industry, so cannot be obtained in a traditional business degree. There are no comparable programs in the U.S. Southwest, but peer and aspirational peer institutions to ASU offer similar programs and report excellent placement rates and graduating salaries.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Polytechnic campus. Students from Western states, who select this major and campus, may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (<http://students.asu.edu/admission/wue>).

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 210 - Brief Calculus

Career Opportunities: The B.S. in food industry management prepares students for business careers in the food industry, which is defined as the group of firms and organizations involved with manufacturing, marketing and distributing food beyond the farm to retail stores, restaurants and institutions such as schools and hospitals. Employing one in six people nationwide and 100,000 in Arizona alone, there is a growing demand for professional management in an industry that is becoming increasingly competitive, sophisticated and global.

Potential careers for B.S. food industry management graduates include, but are not limited to:

- Brand manager for a food manufacturing firm.
- Commodities trader for an investment bank or hedge fund.
- District manager for a food retailer.
- Loan officer for a bank with a food-industry portfolio.
- Or a host of other highly paid occupations.

Contact Information:

Technology & Innovation, College of
Morrison School of Agribusiness and Resource Mgmt
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Graphic Information Technology, BS (TSGITBS)

Campus: ONLNE, POLY

Program Description: The cross-media nature of the graphic information industry requires tomorrow's graduates to understand the full spectrum of graphic technology, reproduction processes and current business practices. The B.S. in graphic information technology degree program prepares graduates for a seamless career as a graphic technologist encompassing web development and internet technologies, printing and digital publishing, and commercial and technical imaging. This is an intensive program of study emphasizing theory and hands-on laboratory practice. Students develop the following skills:

- Commercial and technical photography.
- Computer drawing and illustration.
- E-commerce practices.
- Gaming and simulation technologies.
- Higher-level graphic programming languages.
- Multimedia and 3-D modeling.
- Premedia, digital publishing, and print technologies.
- Project management.
- Quality assurance.
- Technical document design.
- Web development and interactive technologies.

The National Association of Industrial Technology professionally accredits the graphic information technology program.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Polytechnic campus. Students from Western states, who select this major and campus, may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (<http://students.asu.edu/admission/wue>).

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 170 - Precalculus

Career Opportunities: Graphic information technology prepares graduates for technical and management positions in the diverse graphic communication and information technology industries, such as:

- Commercial and technical imaging.
- Internet and web development.
- Management of graphic information assets.
- Planning and evaluation of print, Internet, multimedia and computer-based communications.
- Premedia, digital printing and publishing.
- Quality assurance of graphic products.
- Technical/digital media production.

Contact Information:

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Manufacturing Engineering Technology, BS (TSMETBS)

Campus: POLY

Program Description: Everything we use in society is manufactured. And someone has to engineer the processes and products that accomplish that manufacturing. Manufacturing engineers design, develop and coordinate the processes and systems for making every kind of product imaginable. As businesses try to make products of higher quality but at less cost, manufacturing engineers are key in the engineering value-add chain. Students in this program are people who like to make things, especially making them better, faster and at a lower cost. They are hands-on people who also want to be a part of the design process, and they enjoy working with people as part of a team or as its leader.

Manufacturing engineers apply engineering principles to the producing products and are key team members in the production of automobiles, airplanes, electronic devices, surgical instruments, toys, building products, foodstuffs and recreational equipment. Manufacturing engineers design the processes and systems to make products with the required functionality, to desired quality standards, when and where customers want them, at the best possible price and in environmentally-friendly ways. To help prepare students for this reality, student groups are used in first-year classes and continue through the senior year.

Manufacturing engineering technology programs offer students four years of applied engineering education in a hands-on, experiential, team-based learning environment. Our entire faculty has real-world engineering experience, which they use to teach students how to apply engineering theory to practice in state-of-the-art labs stocked with up-to-date equipment being used in industry today. The manufacturing lab at the Polytechnic campus are an outstanding resources, without peer within Arizona. The faculty will teach you how to produce practical and technically innovative solutions to real-world manufacturing problems.

The first two years of curriculum include fundamental courses in:

- Computer-aided design and geometric tolerances and dimensioning.
- Engineering science (e.g., statics, mechanics of materials).
- Manufacturing processes.
- Materials.
- Physics, chemistry, calculus and English.

The manufacturing engineering technology program is accredited by the Technology Accreditation Council (TAC) of ABET, Inc., www.abet.org (<http://www.abet.org/>).

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Polytechnic campus. Students from Western states, who select this major and campus, may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (<http://students.asu.edu/admission/wue>).

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 170 - Precalculus

Career Opportunities: Graduates typically work as manufacturing engineers in a variety of companies, large and small. They are often members of design and development teams, cooperating with other people in and outside of their company. Career employment opportunities include direct manufacturing support, manufacturing management and quality control and assurance. Due to a strong, practical engineering skill set, graduates are valuable in small companies or new start-up companies. Our graduates are well placed and command top salaries in their engineering careers.

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Manufacturing Engineering Technology (Mechanical), BS (TSMETMBS)

Campus: POLY

Program Description: Everything we use in society is manufactured. And someone has to engineer the processes and products that accomplish that manufacturing. Manufacturing engineers design, develop and coordinate the processes and systems for making every kind of product imaginable. As businesses try to make products of higher quality but at less cost, manufacturing engineers are key in the engineering value-add chain. Students in this program are people who like to make things, especially making them better, faster and at a lower cost. They are hands-on people who also want to be a part of the design process, and they enjoy working with people as part of a team or as its leader.

Manufacturing engineers apply engineering principles to the producing products and are key team members in the production of automobiles, airplanes, electronic devices, surgical instruments, toys, building products, foodstuffs and recreational equipment. Manufacturing engineers design the processes and systems to make products with the required functionality, to desired quality standards, when and where customers want them, at the best possible price and in environmentally-friendly ways. To help prepare students for this reality, student groups are used in first year classes and continue through the senior year.

Students can customize their manufacturing engineering technology degree with a specialized mechanical concentration. The mechanical engineering technology concentration offers manufacturing students an emphasis in mechanics and design, strengthening their ability to work in teams focused on mechanical design and manufacture of products. This option is often sought by students that have a strong product development interest.

Manufacturing engineering technology programs offer students four years of applied engineering education in a hands-on, experiential, team-based learning environment. Our entire faculty has real-world engineering experience, which they use to teach students how to apply engineering theory to practice in state-of-the-art labs stocked with up-to-date equipment being used in industry today. The manufacturing labs at the Polytechnic campus are an outstanding resources, without peer within Arizona. The faculty will teach you how to produce practical and technically innovative solutions to real-world manufacturing problems.

The first two years of curriculum include fundamental courses in:

- Computer-aided design and geometric tolerances and dimensioning.
- Engineering science (e.g., statics, mechanics of materials).
- Manufacturing processes.
- Materials.
- Physics, chemistry, calculus and English.

The Manufacturing Engineering Technology program is accredited by the Technology Accreditation Council (TAC) of ABET, Inc., www.abet.org (<http://www.abet.org/>).

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Polytechnic campus. Students from Western states, who select this major and campus, may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (<http://students.asu.edu/admission/wue>).

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 170 - Precalculus

Career Opportunities: Graduates typically work as manufacturing engineers in a variety of companies, large and small. They are often members of design and development teams, cooperating with other people in and outside of their company. The mechanical concentration enables students to also work in the design field where interfacing with manufacturing operations is important. Career employment opportunities include direct manufacturing support, manufacturing management and quality control and assurance. Due to a strong, practical engineering skill set, graduates are very valuable in small companies or new start-up companies. Our graduates are well placed and command top salaries in their engineering careers.

Contact Information:

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Mechanical Engineering Technology, BS (TSMECBS)

Campus: POLY

Program Description: Mechanical engineering technology is about solving the problems that impact people lives. This may be by designing and prototyping a new light source for very poor people in Africa or developing a novel water treatment system. Or it may be by helping to design and build the next generation car or aircraft by learning about how products work, how to design and make them, and how to improve upon them.

Physical sciences (e.g., physics and chemistry) materials, things in motion, the forces that put or keep them in motion, energy and its production and use, component and system design, and manufacturing --- these comprise the world of mechanical engineering. If something uses energy or moves, mechanical engineering was involved in its design or production.

Mechanical engineering technology programs offer students four years of applied engineering education in a hands-on, experiential, team-based learning environment. Our faculty members have real-world engineering experience, which they use to teach students how to apply engineering theory to practice in state-of-the-art labs stocked with up-to-date equipment being used in industry today. The faculty will teach you how to produce practical and technically innovative solutions to real world problems --- helping people and the environment.

The first two years of curriculum include fundamental courses in:

- Computer-aided design.
- Engineering science (e.g., statics, mechanics of materials).
- English.
- Manufacturing processes.
- Materials.
- Physics, chemistry and calculus.

This program is accredited by the Technology Accreditation Council (TAC) of ABET, Inc., www.abet.org (<http://www.abet.org>).

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Polytechnic campus. Students from Western states, who select this major and campus, may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (<http://students.asu.edu/admission/wue>).

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 170 - Precalculus

Career Opportunities: Graduates often work as members of design and development teams, cooperating with other people in and outside of their company. The B.S. in mechanical engineering technology and its specialty concentrations offer great flexibility in type of work and location.

Employment opportunities exist in companies that design, develop, manufacture, implement, and improve products, machinery and systems.

Employment areas include engineering design, manufacturing, and research and development. Companies large and small, in this region and elsewhere, provide a wide range of opportunities for graduates.

Contact Information:

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Mechanical Engineering Technology (Aeronautical Engineering Technology), BS (TSMECEBS)

Campus: POLY

Program Description: Mechanical engineering technology is about solving the problems that impact people lives. This may be by designing and prototyping a new light source for very poor people in Africa or developing a novel water treatment system. Or it may be by helping to design and build the next generation car or aircraft by learning about how products work, how to design and make them, and how to improve upon them.

Physical sciences (e.g., physics and chemistry), materials, things in motion, the forces that put or keep them in motion, energy and its production and use, component and system design, and manufacturing --- these comprise the world of mechanical engineering. If something uses energy or moves, mechanical engineering was involved in its design or production.

Great examples of this are aircraft and their systems. Thus, the mechanical engineering technology program offers a specialty concentration in aeronautical engineering technology. This concentration provides a specialization in aircraft, with classes in aircraft systems, design and performance, structures and aerodynamics, including wind tunnel testing.

Mechanical engineering technology programs offer students four years of applied engineering education in a hands-on, experiential, team-based learning environment. Our faculty members have real-world engineering experience, which they use to teach students how to apply engineering theory to practice in state-of-the-art labs stocked with up-to-date equipment being used in industry today. The faculty will teach you how to produce practical and technically innovative solutions to real world problems --- helping people and the environment.

The first two years of curriculum include fundamental courses in:

- Aircraft systems.
- Computer-aided design.
- Engineering science (e.g., statics, mechanics of materials).
- English.
- Manufacturing processes.
- Materials.
- Physics, chemistry and calculus.

The mechanical engineering technology program is accredited by the Technology Accreditation Council (TAC) of ABET, Inc., www.abet.org (<http://www.abet.org/>).

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Polytechnic campus. Students from Western states, who select this major and campus, may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (<http://students.asu.edu/admission/wue>).

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 170 - Precalculus

Career Opportunities: Graduates often work as members of design and development teams, cooperating with other people in and outside of their company. The B.S. in mechanical engineering technology and its aeronautical engineering technology specialty concentration offer great flexibility in type of work and location. Due to their aeronautical specialty concentration, graduates are prepared to seek employment in aviation-related companies, large and small, in this region and elsewhere, providing a wide range of opportunities for graduates. Employment areas include engineering design, manufacturing and research and development. Or, since their degree is in mechanical engineering technology, students can seek traditional mechanical engineering employment opportunities in companies that design, develop, manufacture, implement and improve products, machinery and systems.

Contact Information:

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Mechanical Engineering Technology (Automation Engineering Technology), BS (TSMECUBS)

Campus: POLY

Program Description: Mechanical engineering technology is about solving the problems that impact people lives. This may be by designing and prototyping a new light source for very poor people in Africa or developing a novel water treatment system. Or it may be by helping to design and build the next generation car or aircraft by learning about how products work, how to design and make them, and how to improve upon them. Physical sciences (e.g., physics and chemistry), materials, things in motion, the forces that put or keep them in motion, energy and its production and use, component and system design, and manufacturing --- these comprise the world of mechanical engineering. If something uses energy or moves, mechanical engineering was involved in the design or production.

A great example of this is industrial automation, which includes robots. Thus, the mechanical engineering technology program offers a specialty concentration in automation engineering technology. This concentration provides a specialization in machine and manufacturing process automation, including robotic systems. Automated assembly and testing are major components of most modern mechanical systems and manufacturing operations.

Mechanical engineering technology programs offer students four years of applied engineering education in a hands-on, experiential, team-based learning environment. Our faculty members have real-world engineering experience, which they use to teach students how to apply engineering theory to practice in state-of-the-art labs stocked with up-to-date equipment being used in industry today. The automation lab at the Polytechnic campus is an outstanding resource, one without peer within Arizona. The faculty will teach you how to produce practical and technically innovative solutions to real-world problems --- helping people and the environment.

The first two years of curriculum include fundamental courses in:

- Computer-aided design.
- Engineering science (e.g., statics, mechanics of materials).
- English.
- Manufacturing processes.

- Materials.
- Physics, chemistry and calculus.

The mechanical engineering technology program is accredited by the Technology Accreditation Council (TAC) of ABET, Inc., www.abet.org (<http://www.abet.org/>).

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Polytechnic campus. Students from Western states, who select this major and campus, may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (<http://students.asu.edu/admission/wue>).

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 170 - Precalculus

Career Opportunities: Graduates often work as members of design and development teams, cooperating with other people in and outside of their company. The B.S. in mechanical engineering technology and its automation engineering technology specialty concentration offer great flexibility in type of work and location. Due to the automation specialty concentration, graduates are prepared to seek employment in any company that employs automated manufacturing equipment, large and small, in this region and elsewhere, providing a wide range of opportunities for graduates. This is a very wide spectrum - including food and beverage processing, aerospace and automotive manufacturing or power companies. Or, since their degree is in mechanical engineering technology, students can seek traditional mechanical engineering employment opportunities in companies that design, develop, manufacture, implement and improve products, machinery and systems.

Contact Information:

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Mechanical Engineering Technology (Automotive), BS (TSMECTBS)

Campus: POLY

Program Description: Mechanical engineering technology is about solving the problems that impact people lives. This may be by designing and prototyping a new light source for very poor people in Africa or developing a novel water treatment system. Or it may be by helping to design and build the next generation car or aircraft by learning about how products work, how to design and make them, and how to improve upon them. Physical sciences (e.g., physics and chemistry) materials, things in motion, the forces that put or keep them in motion, energy and its production and use, component and system design, and manufacturing --- these comprise the world of mechanical engineering. If something uses energy or moves, mechanical engineering was involved in its design or production.

A great example of this is automobiles and other vehicles. Thus, the mechanical engineering technology program offers a specialty concentration in vehicle design. A novel concentration course configuration is based on the functional structure of an automotive company and emphasizes system integration of power plants, chassis and related systems.

Mechanical engineering technology programs offer students four years of applied engineering education in a hands-on, experiential, team-based learning environment. Our faculty members have real-world engineering experience, which they use to teach students how to apply engineering theory to practice in state-of-the-art labs stocked with up-to-date equipment being used in industry today. The automotive lab at the Polytechnic campus is an outstanding resource, one without peer within Arizona. The faculty will teach you how to produce practical and technically innovative solutions to real world problems --- helping people and the environment.

The first two years of curriculum include fundamental courses in:

- Computer-aided design.
- Engineering science (e.g., statics, mechanics of materials).
- English.
- Manufacturing processes.
- Materials.
- Physics, chemistry and calculus.

The mechanical engineering technology program is accredited by the Technology Accreditation Council (TAC) of ABET, Inc., www.abet.org (<http://www.abet.org/>).

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Polytechnic campus. Students from Western states, who select this major and campus, may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (<http://students.asu.edu/admission/wue>).

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 170 - Precalculus

Career Opportunities: Graduates often work as members of design and development teams, cooperating with other people in and outside of their company. The B.S. in mechanical engineering technology and its automotive engineering technology specialty concentration offer great flexibility in type of work and location. Due to the automotive specialty concentration, graduates are prepared to seek employment in automotive-related companies, from large OEM to smaller specialty or aftermarket companies. For instance, graduates have been well received in automotive testing facilities located in Arizona. Or, since the degree is in mechanical engineering technology, students can seek traditional mechanical engineering employment opportunities in companies that design, develop, manufacture, implement and improve products, machinery and systems.

Contact Information:

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Software Engineering, BS (TSSERBS)

Campus: POLY

Program Description: The program blends engineering, computing, project leadership and technology education. Software systems are complex, often including in excess of a million lines of code. Graduates of the B.S. in software engineering will possess knowledge and skills of a defined engineering approach to complex systems analysis, planning, design and construction. The program is a unique project-driven curriculum, establishing a new model for software engineering education. The program is built around the concepts of engaged learning, discovery-based education and learn-by-doing. Students complete projects in every semester of the program, to provide emphasis in communication, team-work, communication, critical thinking and professionalism. Students have a high degree of flexibility in designing their course of study; they select a software engineering application area as their primary focus, and they may obtain interdisciplinary knowledge through a secondary area of their choosing.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Polytechnic campus. Students from Western states, who select this major and campus, may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (<http://students.asu.edu/admission/wue>).

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 265 - Calculus for Engineers I

Career Opportunities: Software engineers solve a broad set of interdisciplinary problems and apply new technologies to improve the quality of life. Graduates design and engineer innovative systems that may include mechanical and electrical components that interact with software. The B.S. in software engineering is a unique program in which students learn by solving engaging projects, commonly as a member of a development team. The program prepares graduates for advanced study in computing, an allied field or to enter the computing profession, most commonly as an application software engineer. According to the Bureau of Labor Statistics, software engineers are highly paid, and there is significant growth in the number of employment opportunities. Some software engineering jobs may include:

- Creating video games.
- Creating Web applications.
- Designing embedded systems.
- Developing distributed applications.
- Working on data, network, security or computer system administration.

Contact Information:

Technology & Innovation, College of
Department of Engineering
<http://technology.asu.edu/engineering>
SUTON 340
technology@asu.edu
480-727-1874

Technological Entrepreneurship and Management, BS (TSTEMBS)

Campus: ONLINE, POLY

Program Description: The B.S. in technological entrepreneurship and management (TEM) bridges the gap between technology and business for students who want to launch their own technology-based ventures, profit or nonprofit, or prepare for a career in product or service design and development. TEM is a collaborative effort, bringing together faculty from diverse programs focused on entrepreneurship and technological advances across campuses.

TEM students receive a foundation in technology and business fundamentals, with an emphasis on entrepreneurship and innovation in one of many focus areas:

- Alternative energy.
- Digital media.
- Process innovation and development (provides a deep grounding in quality management, including Six Sigma).
- Product design and development.
- Project leadership (prepares students for project management certification by the Project Management Institute).
- Social entrepreneurship.

All courses required for the process innovation and development and project leadership focus areas can be completed within the 120 hours required for the TEM degree. Dedicated advisors help guide students in their course of study, choose the right courses and stay on track for an on-time graduation.

Students work in collaborative project teams that may include students from other academic degree programs who have enrolled in TEM courses to complement their primary course of study. Students from other academic programs have the option of attaining a TEM certificate, minor or double major. This cross-pollination mirrors the real-world, multi-disciplinary approach to solving complex technical challenges and developing high-impact, high-value products.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Polytechnic campus. Students from Western states, who select this major and campus, may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (<http://students.asu.edu/admission/wue>).

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 170 - Precalculus

Attend Online: ASU offers this program in a fully online format-no face-to-face sessions required. We offer six enrollment sessions throughout the year, and you learn in accelerated, 7.5-week classes. View the program description and request more information here.

(<http://asuonline.asu.edu/degree-programs/undergraduate/bachelor-science-technological-entrepreneurship-and-management>)

Career Opportunities: Small businesses and start-ups create the majority of new jobs in the U.S., while larger corporations are looking to hire individuals who can see the big picture and solve complex problems. Students in the TEM program learn the range of skills needed to develop new products, services and business models, as well as whole new industries. TEM prepares students for a wide variety of career possibilities, including:

- Business development.
- Consulting.
- Market analysis.
- Product development.
- Technology-based entrepreneurship.
- Technology marketing
- Venture capital analysis and many more.

Contact Information:

Technology & Innovation, College of
Dept of Tech Entrepreneurship and Innovation Mgmt
<http://technology.asu.edu/>
SUTON 340
technology@asu.edu
480-727-1874

University College

Exploratory Health & Life Sciences, (UCHSCIEXPL)

Campus: DTPHX, POLY, TEMPE, WEST

Program Description: The exploratory health and life sciences track affords students an opportunity to explore a variety of majors related to the health and life science professions. For a complete list of all majors associated with this exploratory track, reference <http://uc.asu.edu/advising> (<http://uc.asu.edu/advising>).

Additional Program Fee: N

Second Language Requirement: N

Admission Requirements: Students with fewer than 45 college credit hours are admissible to this exploratory track. This is not a degree-granting track; therefore, students must declare an ASU major prior to completing 45 college credit hours.

Career Opportunities: Career opportunities are specific to the ultimate major of choice.

Contact Information:

University College
University College
<http://uc.asu.edu/>
UASB 129
exploratory@asu.edu
480-965-4464

Exploratory Humanities, Fine Arts & Design, (UCHUFAEXPL)

Campus: DTPHX, POLY, TEMPE, WEST

Program Description: The exploratory humanities, fine arts and design track affords students an opportunity to explore a variety of majors related to the humanities, fine arts and design professions. For a complete list of all majors associated with this exploratory track, reference <http://uc.asu.edu/advising> (<http://uc.asu.edu/advising>).

Additional Program Fee: N

Second Language Requirement: N

Admission Requirements: Students with fewer than 45 college credit hours are admissible to this exploratory track. This is not a degree-granting track; therefore, students must declare an ASU major prior to completing 45 college credit hours.

Career Opportunities: Career opportunities are specific to the ultimate major of choice.

Contact Information:

University College
University College
<http://uc.asu.edu/>
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exploratory@asu.edu
480-965-4464

Exploratory Math, Physical Sciences, Engineering & Technology, (UCEMTPEXPL)

Campus: DTPHX, POLY, TEMPE, WEST

Program Description: The exploratory mathematics, physical sciences, engineering and technology track affords students an opportunity to explore a variety of majors related to the mathematics, physical sciences, engineering and technology professions. For a complete list of all majors associated with this exploratory track, reference <http://uc.asu.edu/advising> (<http://uc.asu.edu/advising>).

Additional Program Fee: N

Second Language Requirement: N

Admission Requirements: Students with fewer than 45 college credit hours are admissible to this exploratory track. This is not a degree-granting track; therefore, students must declare an ASU major prior to completing 45 college credit hours.

Career Opportunities: Career opportunities are specific to the ultimate major of choice.

Contact Information:

University College

University College
<http://uc.asu.edu/>
UASB 129
exploratory@asu.edu
480-965-4464

Exploratory Social & Behavioral Sciences, (UCSBSEXPL)

Campus: DTPHX, POLY, TEMPE, WEST

Program Description: The exploratory social and behavioral sciences track affords students an opportunity to explore a variety of majors related to the social and behavioral sciences, such as psychology, history, education, journalism and business-related careers. For a complete list of all majors associated with this exploratory track, reference <http://uc.asu.edu/advising> (<http://uc.asu.edu/advising>).

Additional Program Fee: N

Second Language Requirement: N

Admission Requirements: Students with fewer than 45 college credit hours are admissible to this exploratory track. This is not a degree-granting track; therefore, students must declare an ASU major prior to completing 45 college credit hours.

Career Opportunities: Career opportunities are specific to the ultimate major of choice.

Contact Information:

University College
University College
<http://uc.asu.edu/>
UASB 129
exploratory@asu.edu
480-965-4464