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Arizona State University

1998–99 General Catalog

All colleges, schools, divisions, and departments establish certain academic requirements that must be met before a degree is granted. Advisors, directors, department chairs, and deans are available to help the student understand these requirements, but the student is responsible for fulfilling them. At the end of a student's course of study, if requirements for graduation have not been satisfied, the degree is not granted. For this reason, it is important for all students to acquaint themselves with all regulations, to be informed throughout their college careers, and to be responsible for completing requirements. Courses, programs, and requirements described in the catalog may be suspended, deleted, restricted, supplemented, or changed in any other manner at any time at the sole discretion of the university and the Arizona Board of Regents. The catalog does not establish a contractual relationship but summarizes the total requirements the student must currently meet before qualifying for a faculty recommendation to the Arizona Board of Regents to award a degree.

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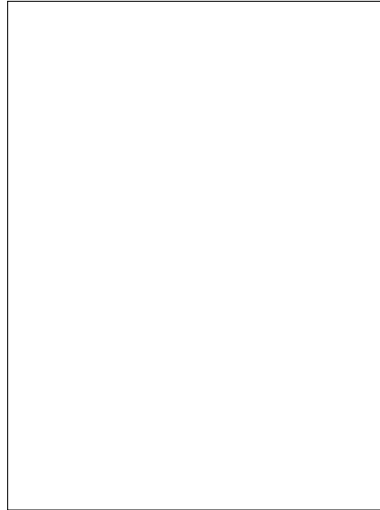
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Front Cover

The Charles Trumbull Hayden Library houses the university's largest multidisciplinary collection. The underground entrance was added in 1989 along with 97,000 additional square feet of service area. See page 25. (Photo by Jim Richardson.)



President Lattie F. Coor Tim Trumble photo

Dear ASU Students and Prospective Students:

It is my personal pleasure to introduce the Arizona State University *1998–99 General Catalog*. It is intended to put a great deal of important information at your fingertips and serve as a guide through your university experience.

The catalog comprises a rather imposing list of programs, courses, requirements, and services. We hope it is organized in a manner that makes it easy to find the information most applicable to you and your course of studies.

While the catalog will answer many of your questions, nothing will substitute for the guidance your advisor can provide. I strongly encourage you to work closely with an advisor to plan your academic program.

On behalf of Arizona State University, I wish you a challenging and fulfilling experience as you work to achieve your goals.

Sincerely,

Lattie F. Coor
President

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The ASU Web is the online presence of Arizona State University on the World Wide Web. Offering links and guides to almost 30,000 different Web pages housed on ASU servers, the ASU Web is becoming a comprehensive resource for learning about the people and places of Arizona State University. It is the goal of the ASU Web to help all visitors, students, staff, and faculty to make the most of their experiences at ASU while pioneering a new age of communications, research, and education.

ASU home page: www.asu.edu

See "Web Directory," page 531, for a list of college, department, and school Web sites.

The *General Catalog* is the official source of information for programs and requirements of ASU and its colleges, departments, and schools. For information on determining catalog year and university requirements, see "University Graduation Requirements," pages 79–83.

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Codes and Abbreviations

Key to Course Listing Codes

Code	Definition
M	ASU Main campus code*
W	ASU West campus code*
GLG	Example of a departmental prefix designation
410	Example of a course number
(3)	Example of course semester hours
F	Course offered fall only
S	Course offered spring only
SS	Course offered summer session only
F, S	Course offered both semesters
A	Course offered once a year
F 1998	Course offered every other year on semester indicated
N	Course not regularly offered

* Campus codes are not used in the catalogs but appear in the fall and spring *Schedule of Classes* and the *Summer Sessions Bulletin*.

Key to General Studies Credit Abbreviations

Code	Definition
L1	Literacy and critical inquiry core courses (intermediate level)
L2	Literacy and critical inquiry core courses (upper division)
N1	Numeracy core courses (mathematics)
N2	Numeracy core courses (statistics and quantitative reasoning)
N3	Numeracy core courses (computer applications)
HU	Humanities and fine arts core courses
SB	Social and behavioral sciences core courses
S1	Natural sciences core courses (introductory)
S2	Natural sciences core courses (additional courses)
C	Cultural diversity in the United States courses
G	Global awareness courses
H	Historical awareness courses
/	or
,	and

Course Prefix Index

The course descriptions in this catalog refer to ASU Main and ASU East courses. For ASU West course descriptions, see the *ASU West Catalog*. For graduate course descriptions, see the *Graduate Catalog*.

AAD	Architectural Administration and Management ...	122	COB	College of Business	149
ACC	Accountancy	150	COE	College of Education ¹	
ADE	Architectural Design and Technology Studios	123	COM	Communication	410
AES	Aerospace Studies	310	CON	Construction	193
AET	Aeronautical Engineering Technology	453	CPP	College of Public Programs	409
AFR	African American Studies	311	CPY	Counseling Psychology ¹	
AGB	Agribusiness	457	CSE	Computer Science and Engineering	219
AJS	Administration of Justice ²		CSH	Chicana and Chicano Studies	324
AMS	American Studies ²		CSS	Chicana and Chicano Studies	324
AMT	Aeronautical Management Technology	442	DAH	Dance History	261
ANP	Environmental Analysis and Programming	123	DAN	Dance	261
APA	Asian Pacific American Studies	408	DCI	Curriculum and Instruction	174
APH	Architectural Philosophy and History	123	DSC	Design	130
ARA	Art Auxiliary	254	ECD	Early Childhood Education	175
ARB	Arabic	353	ECE	Engineering Core	197
ARE	Art Education	254	ECN	Economics	154
ARP	Architecture Professional Studies	124	EDA	Educational Administration and Supervision ¹	
ARS	Art History	254	EDP	Educational Psychology	183
ART	Art	257	EED	Elementary Education	176
ASB	Anthropology	312	EEE	Electrical Engineering	224
ASE	Analysis and Systems	197	EET	Electronics Engineering Technology	446
ASM	Anthropology	314	EMC	Educational Media and Computers	176
AST	Astronomy	374	ENG	English	327
ATE	Architectural Technology	124	EPD	Environmental Design and Planning ¹	
AVC	Architectural Communication	125	EPE	Exercise Science/Physical Education	331
BIO	Biology	316	ERS	Environmental Resources	138
BIS	Bachelor of Interdisciplinary Studies	113	ETC	Engineering Technology Core	440
BLE	Bilingual Education	177	ETM	Environmental Technology Management	450
BME	Bioengineering	206	FAS	Family Studies	335
BUE	Business Education	179	FIN	Finance	157
BUS	Business Administration	152	FLA	Foreign Languages	352
CCS	Chicana and Chicano Studies	324	FON	Food and Nutrition	336
CDE	Child Development	335	FRD	Family Resources and Human Development	337
CED	Counselor Education ¹		FRE	French	353
CEE	Civil Engineering	214	GCU	Cultural Geography	338
CET	Computer Engineering Technology	445	GER	German	355
CGC	Computer Graphic Communications	448	GLB	Global Business ²	
CHE	Chemical Engineering	207	GLG	Geology	341
CHI	Chinese	353	GPH	Physical Geography	339
CHM	Chemistry	322	GRA	Graphic Design	131
CIS	Computer Information Systems	151	GRK	Ancient Greek	355
CLS	Clinical Laboratory Sciences/Medical Technology	367	GRN	Gerontology	284
			HCR	Health Care Related	401

¹ See the *Graduate Catalog*.

² See the *ASU West Catalog*.

HEB	Hebrew	355	MTE	Mathematics Education	365
HED	Higher and Postsecondary Education ¹		MUE	Music Education	271
HEE	Home Economics Education	337	MUP	Music Performance	272
HES	Health Science	333	MUS	Music	275
HIS	History	343	NOR	Norwegian	357
HON	Honors	295	NUR	Nursing	401
HPS	History and Philosophy of Science	371	OPM	Operations and Production Management	163
HRM	Human Resources Management ²		PAF	Public Affairs	420
HSA	Health Services Administration	158	PGS	Psychology	385
HUD	Housing and Urban Development	139	PHI	Philosophy	371
HUM	Humanities	347	PHS	Physical Sciences	375
IAP	Interdisciplinary Arts and Performance ²		PHY	Physics	375
IAS	Integrative Studies ²		PLA	Landscape Architecture	139
IBS	International Business Studies	159	PLB	Plant Biology	378
IDN	Indonesian	355	POL	Politics ²	
IED	Indian Education	178	POR	Portuguese	357
IEE	Industrial and Management Systems Engineering	229	POS	Political Science	381
IMC	Information and Management Core	451	PSY	Psychology	386
IND	Industrial Design	131	PUB	Scholarly Publishing ¹	
INT	Interior Design	132	PUP	Urban and Environmental Planning	140
IPO	International Program Overseas	57	QBA	Quantitative Business Analysis	156, 164
ISM	Information Systems Management ²		RDG	Reading Education	178
ITA	Italian	356	REA	Real Estate	153
ITM	Industrial Technology Management	451	REC	Recreation	423
JAC	Joint Admission Continuous Enrollment	436	REL	Religious Studies	388
JPN	Japanese	356	RUS	Russian	357
JRN	Journalism	415	SBS	Social and Behavioral Sciences ²	
JUS	Justice Studies	418	SCA	Scandinavian	358
LAT	Latin	357	SCM	Supply Chain Management	153
LAW	Law ¹		SED	Secondary Education	179
LES	Legal and Ethical Studies	153	SEM	Science and Engineering of Materials ¹	
LIA	Liberal Arts and Sciences	309	SHS	Speech and Hearing Science	392
LIN	Linguistics ¹		SOC	Sociology	390
LIS	Library Science	178	SPA	Spanish	358
LNT	Learning and Instructional Technology ¹		SPE	Special Education	180
LSC	Life Sciences ²		SPF	Educational Policy Studies	182
MAE	Mechanical and Aerospace Engineering	235	STE	Society, Values, and Technology	198
MAT	Mathematics	363	STP	Statistics and Probability	365
MCB	Molecular and Cellular Biology ¹		SWE	Swedish	360
MCE	Multicultural Education	178	SWG	Social Work ¹	
MCO	Mass Communication	415	SWU	Social Work	429
MET	Manufacturing Engineering Technology	454	TCM	Telecommunication	416
MGT	Management	163	THA	Thai	360
MHL	Music History/Literature	270	THE	Theatre	278
MIC	Microbiology	367	THP	Theatre Performance and Production	279
MIS	Military Science	370	UET	Microelectronics Engineering Technology	447
MKT	Marketing	165	UNI	University	29
MSE	Materials Science and Engineering	209	VTN	Vietnamese	360
MTC	Music Theory and Composition	270	WAC	Writing Across the Curriculum	330
			WST	Women's Studies	395

¹ See the *Graduate Catalog*.

² See the *ASU West Catalog*.

Academic Organization

Organized under ASU Main, ASU East, and ASU West are colleges, schools, departments, and other administrative units whose faculty offer courses.

ASU Main

College of Architecture and Environmental Design

School of Architecture
School of Design
School of Planning and Landscape Architecture

College of Business

Department of Business Administration
Department of Economics
Department of Finance
Department of Management
Department of Marketing
School of Accountancy and Information Management
School of Health Administration and Policy

College of Education

Division of Curriculum and Instruction
Division of Educational Leadership and Policy Studies
Division of Psychology in Education

College of Engineering and Applied Sciences

Del E. Webb School of Construction
School of Engineering
Department of Chemical, Bio, and Materials Engineering
Department of Civil and Environmental Engineering
Department of Computer Science and Engineering
Department of Electrical Engineering
Department of Industrial and Management Systems Engineering
Department of Mechanical and Aerospace Engineering

College of Extended Education

College of Fine Arts

Department of Dance
Department of Theatre
School of Art
School of Music

College of Law

College of Liberal Arts and Sciences

African American Studies Program
Department of Aerospace Studies

Department of Anthropology
Department of Biology
Department of Chemistry and Biochemistry
Department of Chicana and Chicano Studies
Department of English
Department of Exercise Science and Physical Education
Department of Family Resources and Human Development
Department of Geography
Department of Geology
Department of History
Department of Languages and Literatures
Department of Mathematics
Department of Microbiology
Department of Military Science
Department of Philosophy
Department of Physics and Astronomy
Department of Plant Biology
Department of Political Science
Department of Psychology
Department of Religious Studies
Department of Sociology
Department of Speech and Hearing Science
Interdisciplinary Humanities Program
Women's Studies Program

College of Nursing

College of Public Programs

Asian Pacific American Program
Department of Communication
Department of Recreation Management and Tourism
School of Justice Studies
School of Public Affairs
Walter Cronkite School of Journalism and Telecommunication

Division of Undergraduate Academic Services

University 100 Program
Writing Across the Curriculum

Graduate College

School of Social Work

University Honors College

ASU East

College of Technology and Applied Sciences

Department of Aeronautical Management Technology
Department of Electronics and Computer Engineering Technology
Department of Information and Management Technology
Department of Manufacturing and Aeronautical Engineering Technology

East College

School of Agribusiness and Resource Management

ASU West

College of Arts and Sciences

Department of American Studies
Department of Integrative Studies
Department of Interdisciplinary Arts and Performance
Department of Life Sciences
Department of Social and Behavioral Sciences
Women's Studies Program

College of Education

Undergraduate Professional Teacher Preparation
Graduate Programs
Postbaccalaureate Programs for Teacher Certification

College of Human Services

Department of Administration of Justice
Department of Communication Studies
Department of Recreation and Tourism Management
Department of Social Work
Gerontology Program
Nursing (ASU Main program)

Division of Collaborative Programs

Center for Writing Across the Curriculum
Research Consulting Center
University-College Center
University Honors College

School of Management

Accountancy
Business Administration
Global Business

Baccalaureate Degrees and Majors Offered at ASU Main and ASU East

Baccalaureate degrees and majors offered at ASU West are shown on page 534.
Graduate degrees and majors are shown on pages 290–292.

ASU MAIN

Bachelor of Arts

Anthropology
Art
Concentrations:
Art history
Photographic studies
Studio art
Asian Languages (Chinese/Japanese)
Broadcasting
Emphases:
Broadcast journalism
Business/management
Chemistry
Chicana and Chicano Studies
Communication
Economics
English
Family Resources and Human Development¹
Concentrations:
Family resources and human development in business
Family studies/child development
Human nutrition—dietetics
French
Geography
Emphases:
Meteorology-climatology
Urban studies
German
History
Humanities
Concentrations:
Architecture
Architecture, culture, and society
Business
Design
Film studies
Humanities/liberal arts
Justice studies
Planning
Interdisciplinary Studies
Italian
Journalism
Emphases:
News-editorial
Public relations
Visual journalism
Mathematics

Music
Philosophy
Political Science
Psychology
Religious Studies
Russian
Sociology
Spanish
Theatre
Emphases:
Acting
Design/technical theatre
Directing/stage management
History/theory and criticism
Women's Studies
Bachelor of Arts in Education
Early Childhood Education
Elementary Education
Concentration:
Bilingual education/English as a second language
Secondary Education
Academic specializations:
Biological sciences
Business education
Chemistry
Chinese
Communication
Economics
English
Family resources and human development (home economics)
French
Geography
German
History
Japanese
Journalism
Mathematics
Mathematics/chemistry
Mathematics/physics
Physical education
Physics
Physics/chemistry
Political science
Russian
Social studies
Spanish
Selected Studies in Education¹
Special Education

Bachelor of Fine Arts

Art
Concentrations:
Art education
Ceramics
Drawing
Fibers
Intermedia
Metals
Painting
Photography
Printmaking
Sculpture
Dance
Concentrations:
Choreography
Dance education
Dance studies
Performance
Theatre
Concentration:
Theatre education

Bachelor of Interdisciplinary Studies

Bachelor of Music

Music Education
Concentrations:
Choral-general
Instrumental
String
Music Therapy
Performance
Concentrations:
Guitar
Jazz
Keyboard
Music theatre
Orchestral instrument
Piano accompanying
Voice
Theory and Composition
Concentrations:
Composition
Theory

Bachelor of Science

Accountancy
Biology
Concentration:
Biology and society
Chemistry
Emphasis:
Biochemistry

¹ Applications for this program are not being accepted at this time.

² This major requires more than 120 semester hours to complete.

Baccalaureate Degrees and Majors Offered at ASU Main and ASU East (continued)

Clinical Laboratory Sciences	Political Science	Materials Science and Engineering
Communication	Psychology	<i>Emphases:</i>
Computer Information Systems	Real Estate	Biomaterials
Computer Science ²	Recreation	Ceramic materials
Conservation Biology	<i>Concentrations:</i>	Energy systems
Construction ²	Recreation management	Integrated circuit materials
<i>Options:</i>	Tourism	Manufacturing and materials processing
General building construction	Speech and Hearing Science	Mechanical metallurgy
Heavy construction	Supply Chain Management	Metallic materials systems
Residential construction	Women's Studies	Polymers and composites
Specialty construction		Mechanical Engineering
Economics	Bachelor of Science in Design	<i>Emphases:</i>
Engineering Interdisciplinary Studies ¹	Architectural Studies	Aerospace
Environmental Resources	Design Science ¹	Biomechanical
<i>Concentration:</i>	Graphic Design	Computer methods
Natural resource management	Housing and Urban Development	Control and dynamic systems
Exercise Science/Physical Education	Industrial Design	Design
<i>Concentrations:</i>	Interior Design ²	Energy systems
Exercise and wellness		Engineering mechanics
Exercise science	Bachelor of Science in Engineering	Manufacturing
Physical education	Aerospace Engineering	Stress analysis, failure prevention, and materials
Family Resources and Human Development	<i>Emphases:</i>	Thermosciences
<i>Concentrations:</i>	Aerodynamics	
Family resources and human development in business	Aerospace materials	Bachelor of Science in Landscape Architecture
Family studies/child development	Aerospace structures	
Human nutrition—dietetics	Computer methods	Bachelor of Science in Nursing
Finance	Design	Bachelor of Science in Planning
Geography	Mechanical	Urban Planning
<i>Emphases:</i>	Propulsion	
Meteorology-climatology	System dynamics and control	Bachelor of Social Work
Urban studies	Bioengineering	
Geology	<i>Emphases:</i>	ASU EAST
History	Biochemical engineering	Bachelor of Applied Science
Interdisciplinary Studies	Bioelectrical engineering	Bachelor of Science
Justice Studies	Biomaterials engineering	Aeronautical Engineering Technology ²
Management	Biomechanical engineering	Aeronautical Management Technology ²
Marketing	Biomedical imaging engineering	<i>Options:</i>
Mathematics	Biosystems engineering	Airway science flight management
<i>Options:</i>	Molecular and cellular bioengineering	Airway science management
Applied mathematics	Premedical engineering	Agribusiness
Computational mathematics	Chemical Engineering	<i>Concentrations:</i>
General mathematics	<i>Emphases:</i>	General agribusiness
Pure mathematics	Biochemical	Preveterinary medicine
Statistics and probability	Biomedical	Electronics Engineering Technology ²
Microbiology	Environmental	<i>Options:</i>
Physics	Materials	Computer systems
<i>Emphases:</i>	Premedical	Electronic systems
Astronomy	Process engineering	Microelectronics
Option I	Semiconductor processing	Telecommunications
Option II	Civil Engineering	Industrial Technology ²
Plant Biology	<i>Option:</i>	<i>Options:</i>
<i>Concentrations:</i>	Environmental engineering	Environmental technology management
Environmental science and ecology	Computer Systems Engineering	Industrial technology management
Molecular biosciences/biotechnology	Electrical Engineering	Information technology
Urban horticulture	Engineering Special Studies	Manufacturing Engineering Technology ²
	<i>Options:</i>	<i>Emphases:</i>
	Manufacturing engineering	Manufacturing engineering technology
	Premedical engineering	Mechanical engineering technology
	Industrial Engineering	

¹ Applications for this program are not being accepted at this time.

² This major requires more than 120 semester hours to complete.

University Calendar

April 1998

S	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
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May 1998

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31						

June 1998

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July 1998

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August 1998

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September 1998

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1998

Summer Sessions

Check the 1998 *Summer Sessions Bulletin* for details and to confirm these dates.

Mon., Feb. 2– Tues., June 2	Registration and drop/add for first five-week session and eight-week session
Mon., Feb. 2– Tues., July 7	Registration and drop/add for second five-week session
Thurs., Apr. 30	Final fee payment deadline for all summer sessions (For students who register after April 30, fees are due daily.)
Mon., June 1	Instruction begins for first five-week session and eight-week session
Mon., June 8	Unrestricted withdrawal deadline for first five-week session and eight-week session
Fri., June 19	Restricted course withdrawal for first five-week session and eight-week session
Fri., June 26	Restricted complete withdrawal deadline for first five-week session
Thurs., July 2	August graduation filing deadline (must be met to have name appear in commencement program) First five-week session ends
Fri., July 3	Classes are excused for Independence Day
Mon., July 6	Instruction begins for second five-week session
Mon., July 13	Unrestricted withdrawal deadline for second five-week session
Fri., July 17	Restricted complete withdrawal deadline for eight-week session
Fri., July 24	Eight-week session ends Restricted course withdrawal deadline for second five-week session
Fri., July 31	Restricted complete withdrawal deadline for second five-week session
Fri., Aug. 7	Second five-week session ends Commencement

1998

Fall Semester

Check the fall 1998 *Schedule of Classes* for details and to confirm these dates.

Thurs., Apr. 2– Fri., Apr. 10	Preregistration
Mon., Apr. 27– Fri., Aug. 28	Drop/add
Wed., Apr. 29– Fri., Aug. 28	Registration
Tues., Aug. 4	Final fee payment deadline for fall 1998 (For students who register after Aug. 4, fees are due daily.)

October 1998

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November 1998

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December 1998

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January 1999

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February 1999

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March 1999

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Thurs., Aug. 20– Sun., Aug. 23	Experiencing ASU: Orientation '98 activities
Thurs., Aug. 20	New Faculty and Academic Professional Orientation and Reception
Mon., Aug. 24	Instruction begins
Mon., Sept. 7	Classes are excused for Labor Day
Fri., Sept. 18	Unrestricted withdrawal deadline
Fri., Oct. 16	December graduation filing deadline (must be met to have name appear in commencement program)
Mon., Oct. 26	Winter session (College of Extended Education [CEE]) registration begins
Fri., Oct. 30	Restricted course withdrawal deadline
Wed., Nov. 11	Classes are excused for Veterans Day
Thurs., Nov. 26– Fri., Nov. 27	Classes are excused for Thanksgiving recess
Thurs., Dec. 3	Restricted complete withdrawal deadline
Wed., Dec. 9	Instruction ends
Thurs., Dec. 10	Reading day
Fri., Dec 11– Sat., Dec. 12; Mon., Dec. 14– Thurs., Dec. 17	Final examinations
Fri., Dec. 18	Commencement
Sat., Dec. 19	Midyear recess begins
Mon., Dec. 28	Winter session (CEE) instruction begins

1999

Spring Semester

Check the spring 1999 *Schedule of Classes* for details and to confirm these dates.

Mon., Nov. 2– Tues., Nov. 10, 1998	Preregistration
Mon., Nov. 30, 1998– Fri., Jan. 22, 1999	Drop/add
Wed., Dec. 2, 1998– Fri., Jan. 22, 1999	Registration
Tues., Dec. 15, 1998	Final fee payment deadline for spring 1999 (For students who register after Dec. 15, fees are due daily.)
Fri., Jan. 1, 1999	Winter session classes are excused for New Year's Day
Thurs., Jan. 14	Orientation and advisement for new transfer students
Fri., Jan. 15	Orientation and advisement for new freshmen
	Winter session (CEE) instruction ends
Mon., Jan. 18	Classes are excused for Martin Luther King Jr. Day
Tues., Jan. 19	Instruction begins
Fri., Feb. 12	Unrestricted withdrawal deadline

April 1999

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May 1999

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June 1999

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July 1999

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August 1999

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29	30	31				

Sun., Mar. 14–
Sun., Mar. 21

Fri., Apr. 2

Mon., Apr. 29

Wed., May 5

Thurs., May 6

Fri., May 7–
Sat., May 8;
Mon., May 10–
Thurs., May 13

Fri., May 14

Classes are excused for spring recess

May graduation filing deadline (must be met to have name appear in commencement program)

Restricted course withdrawal deadline

Restricted complete withdrawal deadline

Instruction ends

Reading day

Final examinations

Commencement

1999**Summer Sessions**

Check the 1999 *Summer Sessions Bulletin* for details and to confirm these dates.

Mon., Feb. 1–
Tues., June 1

Registration and drop/add for first five-week session and eight-week session

Mon., Feb. 1–
Tues., July 6

Registration and drop/add for second five-week session

Thurs., Apr. 29

Final fee payment deadline for all summer sessions (For students who register after April 29, fees are due daily.)

Tues., June 1

Instruction begins for first five-week session and eight-week session

Mon., June 7

Unrestricted withdrawal deadline for first five-week session and eight-week session

Fri., June 18

Restricted course withdrawal deadline for first five-week session and eight-week session

Fri., June 25

Restricted complete withdrawal deadline for first five-week session

Thurs., July 1

First five-week session ends

August graduation filing deadline (must be met to have name appear in commencement program)

Fri., July 2

Classes are excused for Independence Day

Mon., July 5

Instruction begins for second five-week session

Mon., July 13

Unrestricted withdrawal deadline for second five-week session

Fri., July 23

Restricted complete withdrawal deadline for eight-week session

Fri., July 23

Eight-week session ends

Restricted course withdrawal deadline for second five-week session

Fri., July 30

Restricted complete withdrawal deadline for second five-week session

Fri., Aug. 6

Second five-week session ends

Commencement

Frequently Asked Questions (FAQ)

How do I apply to ASU Main?

Complete an application and have transcripts and test scores, if needed, sent directly to Undergraduate Admissions. See page 59.

How do I apply to ASU East?

Complete an application. Request transcripts and test scores be sent to Undergraduate Admissions. See page 59. For more information, call 602/727-1142.

How do I apply to ASU West?

Contact the Admissions and Records Office at ASU West. See pages 533-535. For more information, call 602/543-8123.

What if I am a transfer student?

Upon admission, note the number of semester hours on your Certificate of Admission. When registering, consult your department advisor to determine how transfer credits fit into the curriculum (see “Academic Advising,” page 69). Have you met the First-Year Composition requirement (see page 79)? If you have completed 87 or more semester hours, file a program of study or declaration of graduation (see page 81).

What if I have a disability or am a veteran?

If you have a disability and will be requesting academic accommodations, see Disability Resources for Students, pages 39-40. Veteran students using GI benefits, see page 37.

How do I get financial aid?

In addition to applying for admission, complete the FAFSA before March 1. If you meet financial aid program criteria, you receive an award notification after April 15. See pages 37, 48-50.

How do I find a place to live and purchase a meal plan?

Apply early (four to six months in advance of the semester). See pages 37-38 for information on student housing. Meal plans may be purchased in advance for ASU Main or upon arrival on campus. For more information, call Campus Dining Services at 602/965-3464. For ASU East housing, call 602/988-9160, and for ASU East dining call 602/988-2903, or refer to “ASU East” page 435 for more information on dining and housing.

What about orientation?

Attend ASU Main orientation, where questions regarding advisement, class registration, student IDs, on-campus housing, and other pertinent topics are answered. See page 60. Information regarding ASU East orientation can be obtained by calling 602/727-1041.

How do I get an ID, and what about parking?

See page 71 about obtaining an ASU student ID card. If you are planning to park at ASU Main, purchase a parking decal. See page 45. Parking on ASU East campus is free.

What about placement examinations and university testing requirements?

See pages 68-69.

Before I register for classes, how do I get an advisor?

Call the college of your major to schedule an appointment with an academic advisor. See page 69.

When and how do I register?

Refer to the *Schedule of Classes* for registration procedures and dates or access registration information online at www.asu.edu/registrar. Remember that you must first provide proof of measles immunity to Student Health. See pages 59-60.

Once I am registered and ready to go, how can I ensure my success at ASU?

Consider enrolling in UNI 100 Academic Success at the University. See page 30.

Now that the business is over, what's left to do?

Become involved in the university by getting to know professors, joining student organizations, and taking advantage of the myriad of cultural, recreational, and social opportunities. For more information on ASU Main campus life, call Student Life at 602/965-6547, REACH at 602/965-2255, or ASASU at 602/965-3161; for ASU East, call 602/727-3278. Investigate the challenges and advantages of the University Honors College. See pages 293-295.

Academic Definitions

Academic Renewal. An undergraduate who has been readmitted to the university after an absence of at least five years and who has satisfactorily completed a minimum of 12 college-approved additional semester hours in residence at ASU within three semesters after re-entry, with a GPA of 2.50 or higher in those courses and no grades lower than “C,” may, upon petition to the dean of the college, have the former record treated in the same manner as transfer credits. See pages 70–71.

Advanced Placement. Students who have taken an advanced placement course of the College Entrance Examination Board (CEEB) in their secondary school *and* who have taken an Advanced Placement Examination of CEEB may receive university credit. See pages 65–68.

AIECP. The American English and Culture Program (AIECP) features an intensive, course of study designed for adult international students who desire to become proficient in English as a second language. See pages 65 and 243.

ASU East. ASU East is located at the former Williams Air Force Base. See pages 434–465.

ASU Main. ASU Main is the principal campus of ASU, located in Tempe. See page 24.

ASU West. ASU West is the Phoenix branch campus of ASU, established in 1984 by the Arizona Legislature to serve the educational needs of residents in western Maricopa County. See pages 532–544.

Audit Enrollment. A student who audits a course attends regularly scheduled class sessions but earns no credit. See page 73.

Buckley Amendment. See *Family Educational Rights and Privacy Act* in this section.

CLEP. As part of the College-Level Examination Program (CLEP), students who have taken a College-Level Examination of the College Entrance Examination Board may receive university credit. See pages 66–68.

Comprehensive Exam. 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. See pages 65–68.

Concentration. A concentration is a selection of courses within a major.

Cooperative Education. Cooperative Education is any educational program that requires alternating classroom and work experience in government or industry. The work experience exists for its educational value. See page 72.

Corequisite. A requirement to be met, such as taking a certain course, *while* taking a course is a corequisite. See *prerequisite* in this section.

Course Prefix. The course prefix is the three-letter designation assigned by each instruction unit. The “Course Prefix Index,” on pages 7–8, provides a comprehensive list. Also see *cross-listing* in this section.

Credit Enrollment. One semester hour represents a minimum of one 50-minute class exercise per week per semester. A minimum of 120 semester hours is required for graduation with a baccalaureate degree. To obtain credit, a student must be properly registered and pay fees for the course. See page 73.

Cross-listing. One course may have more than one course prefix and may be offered by more than one department. Some instruction units require students to enroll in a course under a certain prefix in order to receive credit properly. Course descriptions in the *General Catalog* indicate courses that are cross-listed.

Cum Laude. An undergraduate student with a minimum of 60 semester hours of course work at ASU and a cumulative GPA of 3.40–3.59 graduates *cum laude*. See page 83. Also see *magna cum laude* and *summa cum laude*.

Drop/Add. Drop or add is a process in which a student who has registered for courses for a semester or summer session may drop or add courses through the first week of classes in a semester or the first two days of a summer session. See page 73.

Emphasis. An area of emphasis is a selection of courses within a major.

Family Educational Rights and Privacy Act. The Family Educational Rights and Privacy Act of 1974, or Buckley Amendment, sets forth the requirements governing the protection of the privacy of the educational records of students who are or have been in attendance at Arizona State University. See page 78.

Freshman. A student who has earned 24 or fewer hours is a freshman.

General Studies Requirement. The General Studies program consists of five core areas and three awareness areas. The core areas are literacy and critical inquiry, numeracy, humanities and fine arts, social and behavioral sciences, and natural sciences. The awareness areas are cultural diversity in the United States, global awareness, and historical awareness. All undergraduate students must successfully complete a minimum of 35 semester hours of approved General Studies courses. See pages 84–108.

GPA. The ASU grade point average (GPA) is obtained by dividing the total number of ASU grade points earned by the number of ASU semester hours graded. Grade point averages are rounded to the nearest hundredth of a grade point. See page 75.

Grade Points. For the purpose of computing the GPA, grade points are assigned to each of the grades for each semester hour as follows: “A,” four points; “B,” three points; “C,” two points; “D,” one point; and “E,” zero points.

Graduate Catalog. The *Graduate Catalog* describes the procedures and requirements for enrollment in the Graduate College. See pages 282–292 of the *General Catalog* for information on the Graduate College. See pages 290–292 specifically for a complete list of graduate degrees, majors, and concentrations.

Graduate-Level Courses. Courses numbered 500–799 are designed for graduate students. However, an upper-division undergraduate student may enroll in graduate courses with the approval of his or her advisor, the course instructor, the department chair, and the dean of the college or school in which the course is offered. See page 56.

Incomplete. A mark of “I” (incomplete) is given by the instructor only when a student who is otherwise doing acceptable work is unable to complete a course because of illness or other conditions beyond the student’s control. See page 72–73.

Independent Study. The course number 499 has been reserved for independent study courses in each of the instructional departments or divisions of the colleges at the undergraduate level. Independent study courses are honor courses and may be taken only by outstanding senior students who have completed at least one semester in residence. See page 56.

International Baccalaureate. Students who have taken a higher level examination through the International Baccalaureate program may receive university credit. See page 67.

Junior. A student who has earned 56–86 hours is a junior.

Lower-Division Courses. Courses numbered 100–299 are designed primarily for freshmen and sophomores. See page 56.

Magna Cum Laude. A student with a minimum of 60 semester hours of course work at ASU and a cumulative GPA of 3.60–3.79 graduates *magna cum laude*. See page 83. Also see *cum laude* and *summa cum laude* in this section.

Major. A major is a specialized group of courses contained within the program of study. Refer to college and school sections for specific descriptions and requirements.

Minor. A minor is a specialized group of courses contained within the program of study available from some instruction units. Refer to page 109 and to college and school sections for specific descriptions and requirements.

Nonresident Tuition. This term refers to the charge assessed to nonresident students, as established in Arizona Board of Regents’ Policy 4–102. See *resident tuition* in this section.

Omnibus Course. An omnibus course is offered on an experimental or tutorial basis when the course content is new or periodically changes. See page 56.

Option. An option is a selection of courses within a major.

Pass/Fail Enrollment. A mark of “P” (pass) or “E” (fail) may be assigned for this grading option. This grading method may be used at the option of individual colleges and schools within the university. See page 73.

Placement Examination. A proficiency examination is given to: (a) waive a course requirement, (b) validate certain transfer credits in professional programs, or (c) determine a student’s ability in a field where competence is an important consideration. See page 68.

Prerequisite. A requirement to be met, such as completing a certain course, *before* registering for a course is a prerequisite. See *corequisite* in this section.

Probation. A student’s college assumes responsibility for enforcing academic standards and may place any student on probation who has failed to maintain good standing. A student on academic probation is required to observe any rules or limitations the college may impose as a condition for retention. See page 77.

Program of Study. The complete array of courses included in the study leading to a degree make up a student’s program of study. A student must file an Undergraduate Program of Study or a Declaration of Graduation for graduation within the semester he or she earns his or her 87th hour. See page 81.

Resident Tuition. This term refers to the charge assessed to all students who register for classes at ASU. See *nonresident tuition* in this section.

Restricted Complete Withdrawal. From the fifth week to the transaction deadline for a semester and from the seventh day to the transaction deadline for a summer session, students may withdraw from all courses but will receive a mark of “W” only from courses in which the instructor certifies that they are passing at the time of the withdrawal. See page 74.

Restricted Course Withdrawal. From the fifth week to the end of the 10th week of a semester and from the seventh day to the end of the third week of a summer session, students may withdraw with a mark of “W” only from courses in which the instructor certifies that they are passing at the time of withdrawal. See page 73–74.

Senior. A student who has earned 87 or more hours of credit is a senior.

Sophomore. A student who has earned 25–55 hours of credit is a sophomore.

Special Topics. Courses numbered 194, 294, 394, and 494 cover topics of immediate or special interest to a faculty member and students. See page 56.

Summa Cum Laude. A student with a minimum of 60 semester hours of course work at ASU and a cumulative GPA of 3.80–4.00 graduates *summa cum laude*. See page 83. Also see *cum laude* and *magna cum laude* in this section.

TOEFL. The Test of English as a Foreign Language (TOEFL) is taken by students whose native language is not English. See page 64–65. See also *AECP* in this section.

Transcript. An official transcript lists in chronological order all courses taken at ASU. It includes all grades received. It is signed and dated by the Registrar and displays the embossed seal of the university. The Office of the Registrar releases official transcripts only upon written request of the student for a fee of \$1.00 per copy for enrolled students or \$5.00 per copy for nonenrolled students. Additional copies ordered at the same time are \$1.00 each. The Request for Official Transcript form is available online at www.asu.edu/registrar/forms. Unofficial transcripts include all information shown on the official transcript, plus information concerning changes, additions, etc., to the record. Unofficial transcripts may be obtained free of charge in person at the Office of the Registrar, any registrar site, or by mail if a signed release is enclosed. See page 76. Also see *Family Educational Rights and Privacy Act* in this section.

Unrestricted Withdrawal. During the first four weeks of a semester or the first six days of a summer session, a student may withdraw from any course with a mark of “W.” See page 73.

Upper-Division Courses. Courses numbered 300–499 are designed primarily for juniors, seniors, and other advanced students. See page 56.

Accreditation and Affiliation

Arizona State University is accredited by the North Central Association of Colleges and Secondary Schools. Programs in the various colleges, schools, divisions, and departments are accredited by, affiliated with, or members of national bodies as described in the “Academic Accreditation,” “Academic Affiliation,” and “Academic Membership” tables. Some programs in the College of Education are approved by the State Board of Education (Ari-

zona) and the National Association of School Psychologists.

ASU West. ASU West is separately accredited by the Commission on Institutions of Higher Education of the North Central Association of Colleges and Schools. Professional programs in the various academic areas are accredited by national bodies as described in the “Academic Accreditation at ASU West” table, page 21.

Academic Accreditation

Unit or Program	Accredited by
College of Architecture and Environmental Design B.S.D., Interior Design M.Arch. M.E.P.	Foundation for Interior Design Education Research National Architectural Accrediting Board Planning Accreditation Board
College of Business all programs School of Accountancy and Information Management School of Health Administration and Policy	American Assembly of Collegiate Schools of Business American Assembly of Collegiate Schools of Business Accrediting Commission on Education for Health Services Administration
College of Education M.C., Counseling Ph.D., Counseling Psychology; Ph.D., Educational Psychology with a concentration in school psychology	Council for Accreditation of Counseling and Related Educational Programs American Psychological Association
College of Engineering and Applied Sciences B.S.E., Aerospace Engineering; B.S.E., Bioengineering; B.S.E., Chemical Engineering; B.S.E., Civil Engineering; B.S.E., Computer Systems Engineering; B.S.E., Electrical Engineering; B.S.E., Industrial Engineering; B.S.E., Mechanical Engineering B.S., Computer Science B.S., Construction	Engineering Accreditation Commission of the Accreditation Board for Engineering and Technology, Inc. Computer Science Accreditation Commission of the Computing Sciences Accreditation Board American Council for Construction Education
College of Fine Arts Department of Theatre School of Music	National Association of Schools of Theatre National Association of Schools of Music
College of Law J.D.	American Bar Association
College of Liberal Arts and Sciences B.A., B.S., Family Resources and Human Development with a concentration in human nutrition—dietetics; M.S., Family Resources and Human Development with a concentration in general family resources and human development (human nutrition and foods area) B.S., Clinical Laboratory Sciences M.S., Communication Disorders Ph.D., Psychology with a concentration in clinical psychology	American Dietetic Association National Accrediting Agency for Clinical Laboratory Sciences American Speech-Language-Hearing Association American Psychological Association

Academic Accreditation (continued)

Unit or Program	Accredited by
College of Nursing B.S.N., M.S., Nursing	American Association of Colleges of Nursing Arizona Nurses Association (American Nurses Credentialing Center's Commission on Accreditation) Arizona State Board of Nursing National League for Nursing
College of Public Programs B.S., Recreation Master of Public Administration Walter Cronkite School of Journalism and Telecommunication	Council on Accreditation of the National Recreation and Park Association National Association of Schools of Public Affairs and Administration Accrediting Council on Education in Journalism and Mass Communications
College of Technology and Applied Sciences B.S., Aeronautical Engineering Technology; B.S., Electronics Engineering Technology; B.S., Manufacturing Engineering Technology	Technology Accreditation Commission of the Accreditation Board for Engineering and Technology, Inc.
School of Social Work B.S.W., M.S.W.	Council on Social Work Education

Academic Affiliation

Unit or Program	Affiliated with
College of Architecture and Environmental Design School of Architecture School of Design School of Planning and Landscape Architecture	American Institute of Architects, Central Arizona and Rio Salado Chapters Architectural Research Centers Consortium Association for Computer-Aided Design in Architecture Association of Collegiate Schools of Architecture American Society of Interior Designers Human Factors and Ergonomics Society Industrial Designers Society of America Interior Design Educators Council International Interior Design Association Society of Environmental Graphic Designers American Planning Association American Society of Landscape Architects Association of Collegiate Schools of Planning Council of Educators in Landscape Architecture Society for Range Management Soil and Water Conservation Society Wildlife Society
College of Education	American Association of Colleges for Teacher Education American Educational Research Association The Holmes Partnership University Council for Educational Administration
College of Public Programs Department of Recreation Management and Tourism School of Justice Studies	American Humanics, Inc. Onati International Institute for the Sociology of Law

Academic Membership

Unit or Program	Membership with
College of Education	American Association of Colleges for Teacher Education Association of Colleges and Schools of Education in State Universities and Land Grant Colleges The Holmes Partnership University Council for Educational Administration
College of Law	Association of American Law Schools
College of Liberal Arts and Sciences	
Department of Anthropology	American Anthropological Association Council for Museum Anthropology
Department of Biology	American Institute of Biological Sciences American Society of Naturalists American Society of Zoologists Animal Behaviorists' Society Sigma Psi
Department of Chemistry and Biochemistry	American Association for Advancement of Science American Chemical Society American Society for Advancement of Science
Department of Exercise Science and Physical Education	American Alliance for Health, Physical Education, Recreation and Dance American College of Sports Medicine American Physical Society Arizona Society of Medical Technology Committee on Allied Health Education National Association for Physical Education in Higher Education North American Society for Sports History North American Society for Sports Psychology and Physical Activity
Department of Family Resources and Human Development	American Dietetic Association
Department of Geography	Association of American Geographers
Department of Geology	American Association of Petroleum Geologists American Geophysical Union American Institute of Professional Geologists Geological Society of America Mineralogical Society of America Society of Economic Paleontologists and Mineralogists
Department of History	American Association for State and Local History American Association of Museums American Historical Association Institute of Historical Research
Department of Languages and Literatures	American Council on Teaching Foreign Language International Studies Association Modern Language Association
Department of Mathematics	American Mathematical Society Mathematical Association of America Rocky Mountain Mathematics Consortium Society for Industrial and Applied Mathematics
Department of Microbiology	American Society of Microbiology
Department of Military Science	Association of U.S. Army
M.S., Ph.D., Molecular and Cellular Biology	American Society of Medical Technology
Department of Philosophy	American Philosophical Association

Academic Membership (continued)

Unit or Program	Membership with
Department of Physics and Astronomy	Acoustical Society of America American Association of Physicists in Medicine American Association of Physics Teachers American Astronomical Society American Crystallographic Association American Physical Society American Vacuum Society International Astronomical Union Materials Research Society Optical Society of America
Department of Plant Biology	American Association of Plant Physiologists Botanical Society of America Mycological Society of America Phycological Society of America
Department of Political Science	American Political Science Association Inter-University Consortium for Political and Social Research
Department of Psychology	American Society of Clinical Psychologists
Department of Sociology	American Sociological Association
Department of Women's Studies	Association for Women in Science National Women's Studies Association
College of Nursing	American Association of Colleges of Nursing Western Institute of Nursing
College of Public Programs	
Department of Communication	Speech Communication Association Western States Communication Association
Department of Recreation Management and Tourism	Arizona American Indian Tourism Association Arizona Heritage Alliance Arizona Park and Recreation Association Arizona State Therapeutic Association National Park and Recreation Association Travel Tourism Research Association
School of Justice Studies	Arizona Justice Educators Association of Criminal Justice Doctoral Programs National Academic Advising
School of Public Affairs	National Association of Schools of Public Affairs and Administration
Walter Cronkite School of Journalism and Telecommunication	Association of Schools of Journalism and Mass Communication Broadcast Education Association
University Honors College	National Collegiate Honors Council

Academic Accreditation at ASU West

Unit or Program	Accredited by
College of Human Services	
Department of Recreation and Tourism Management	National Recreation and Park Association/American Association for Leisure and Recreation
Department of Social Work	Council on Social Work Education
School of Management all programs	American Assembly of Collegiate Schools of Business