

# Minors, Certificates, and Interdisciplinary Studies

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Interdisciplinary studies are available to students through an interdisciplinary degree, such as the Bachelor of Interdisciplinary Studies, or an extensive choice of minors or certificates that may be taken in conjunction with other majors. Since interdisciplinary studies provide skills that support employment in a rapidly changing workplace, students are encouraged to consider these options. Consult the academic advisor in your major about the impact of enrolling in a minor or certificate program.

## MINORS

A minor is an approved, coherent concentration of academic study in a single discipline, involving substantially fewer hours of credit than a corresponding major. Several ASU colleges offer undergraduate minors in addition to majors; see the “ASU Minors” table, page 111. For more information about specific minors offered at ASU, see the individual college and department descriptions in this catalog.

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/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.

*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 would not be 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.

## CERTIFICATES

Students may pursue some certificate programs along with a major and other certificate programs independently. For more information, see the pages indicated in the “ASU Certificates” table, page 113.

## CONCURRENT AND DUAL DEGREES

Graduate students have the opportunity to pursue more than one degree at the same time as part of an organized program. For more information, see the *Graduate Catalog*.

## INTERDISCIPLINARY STUDIES

Refer to the college sections of this catalog for numerous additional opportunities; for example, see “Certificate Programs and Areas of Emphasis,” page 339, for opportunities within the College of Liberal Arts and Sciences.

**Bachelor of Interdisciplinary Studies.** For information about the Bachelor of Interdisciplinary Studies at ASU Main or ASU East, see “Bachelor of Interdisciplinary Studies,” page 115, or the “ASU East Baccalaureate Degrees and Majors” table, page 561.

**Energy Studies.** An expanding instructional and research involvement in energy matters exists through the following three curricular paths:

1. general studies, which emphasize energy as an elective beyond the scope of a chosen major (for more information, call 480/965-4548);
2. specific studies in the College of Architecture and Environmental Design, for those pursuing the Master of Architecture degree and the Master of Science degree in Building Design; and
3. specific studies in the College of Engineering and Applied Sciences, usually for those seeking a degree in a branch of engineering.

**Environmental Studies.** The Center for Environmental Studies encourages and coordinates interdisciplinary environment-related activities in the natural and social sciences within the university. The center sponsors special courses, conferences, and workshops on environmental topics. Drawing from faculty and students throughout the university, the center participates in research and community programs relating to environmental problem areas. It does not formally offer courses or a degree program. For more information, see “Center for Environmental Studies,” page 39.

**Film Studies.** The Film Studies Program exists not only to provide information and experience, but also to serve as a means of creative expression for the student and as a useful subject and tool in teaching. The program is not designed to produce professional filmmakers, but it may provide practical preparation for students desiring further film study in other institutions.

Inquiries about this program should be directed to the Film Studies coordinator, at 480/965-7644.

**Gerontology.** The Gerontology Program brings together faculty from several disciplines to teach courses related to adult development and aging, to collaborate on gerontological research, and to participate in projects of service to older adults.

A certificate at the postbaccalaureate level and an undergraduate minor are available in Gerontology. The certificate consists of 24 semester hours—12 hours of required and 12 hours of elective course work. The minor consists of 18 semester hours—six hours of required and 12 hours of elective course work. Courses related to aging are taught throughout the university by faculty who are active contributors to research, theory, and public policy and practice. In addition, gerontology provides students with opportunities to gain practical experience in working with elderly people.

ASU Minors

Minor	Administered By	Campus	Page
African American Studies	African American Studies Program	Main	345
American Studies	Department of American Studies	West	612
Anthropology	Department of Anthropology	Main	346
Art History	School of Art	Main	268
Asian Languages (Chinese/Japanese)	Department of Languages and Literatures	Main	391
Astronomy	Department of Physics and Astronomy	Main	418
Biology	Department of Biology	Main	351
Business <sup>1</sup>	College of Business	Main	149
Chemistry	Department of Chemistry and Biochemistry	Main	357
Chicana and Chicano Studies	Department of Chicana and Chicano Studies	Main	360
Communication	Hugh Downs School of Human Communication	Main	463
Communication Studies	Department of Communication Studies	West	612
Dance	Department of Dance	Main	281
Economics for Students Planning a Career in Law	Department of Economics	Main	362
English	Department of American Studies	West	612
English with a Concentration in Linguistics	Department of English	Main	363
English with a Concentration in Literature	Department of English	Main	363
Environmental Resources	Morrison School of Agribusiness and Resource Management	East	569
Ethnic Studies	Ethnic Studies Program	West	612
Exercise Science/Physical Education	Department of Exercise Science and Physical Education	Main	369
Family Resources and Human Development	Department of Family Resources and Human Development	Main	372
	East College	East	575
Film and Video Studies	Department of Interdisciplinary Arts and Performance	West	612
French	Department of Languages and Literatures	Main	391
General Economics	Department of Economics	Main	362
Geography	Department of Geography	Main	376
Geology	Department of Geology	Main	379
German	Department of Languages and Literatures	Main	391
Gerontology	Gerontology Program	Main	110
		West	612
History	Department of History	Main	382
	Department of American Studies	West	612
Humanities	Interdisciplinary Humanities Program	Main	386
Interdisciplinary Arts and Performance	Department of Interdisciplinary Arts and Performance	West	612
Interior Design History	Department of Design	Main	135
Italian	Department of Languages and Literatures	Main	391
Justice Studies	School of Justice Studies	Main	471
Life Sciences	Department of Life Sciences	West	612
Mass Communication	School of Journalism and Telecommunication	Main	468
Mathematics	Department of Integrative Studies	West	612
	Department of Mathematics	Main	405
Microbiology	Department of Microbiology	Main	410
Music	School of Music	Main	292
Philosophy	Department of Philosophy	Main	416
Physics	Department of Physics and Astronomy	Main	419
Plant Biology	Department of Plant Biology	Main	424
Political Science	Department of Political Science	Main	427
Politics	Department of Social and Behavioral Sciences	West	612
Prelaw	College of Human Services	West	612
Psychology	Department of Psychology	Main	432
	Department of Social and Behavioral Sciences	West	612

<sup>1</sup> This minor is for nonbusiness majors only.

<sup>2</sup> Applications are not being accepted at this time.

## ASU Minors (continued)

Minor	Administered By	Campus	Page
Recreation Management <sup>2</sup>	Department of Recreation Management and Tourism	Main	476
Religious Studies	Department of Religious Studies	Main	435
Russian	Department of Languages and Literatures	Main	391
Small Business	College of Business	Main	170
Social and Behavioral Sciences	Department of Social and Behavioral Sciences	West	612
Sociocultural Anthropology	Department of Social and Behavioral Sciences	West	612
Sociology	Department of Sociology	Main	438
	Department of Social and Behavioral Sciences	West	612
Spanish	Department of American Studies	West	612
	Department of Languages and Literatures	Main	391
Special Events Management	Department of Recreation and Tourism Management	West	612
Theatre	Department of Theatre	Main	299
Tourism	Department of Recreation Management and Tourism	Main	476
Tourism Management	Department of Recreation and Tourism Management	West	612
Urban Planning	School of Planning and Landscape Architecture	Main	139
Women's Studies	Women's Studies Program	Main	444
		West	612

<sup>1</sup> This minor is for nonbusiness majors only.

<sup>2</sup> Applications are not being accepted at this time.

A practicum, held at the Veterans Administration Hospital, is available to students who have completed some gerontology course work. Gerontology also helps students find rewarding internships in community programs for older adults. For more information, see "Gerontology Certificate Program," page 259, and "Gerontology," page 307, or refer to the current *Student Handbook in Gerontology*.

**Islamic Studies.** The art, history, geography, and religion of the Islamic world are the subjects of several courses offered by departments in the College of Fine Arts and the College of Liberal Arts and Sciences. For information, call the Department of Religious Studies, at 480/965-7145.

**Linguistics.** Linguistics concentrations are offered in master's degree programs in the Departments of Anthropology, English, and Languages and Literatures through the Graduate College. Numerous linguistics courses are offered in these and other departments. For information, call the University Committee on Linguistics at 480/965-3168.

**Medieval and Renaissance Studies.** An undergraduate Certificate in Medieval and Renaissance Studies is offered by the Arizona Center for Medieval and Renaissance Studies. See "Medieval and Renaissance Studies," page 340, for more information. See the *Graduate Catalog* for information about the Certificate in Medieval Studies and the Certificate in Renaissance Studies. See "Arizona Center for Medieval and Renaissance Studies (ACMRS)," page 35, for information about the center.

### MILITARY OFFICER TRAINING

U.S. Air Force and U.S. Army ROTC units are active on the ASU campus. See "Department of Aerospace Studies,"

page 343, and "Department of Military Science," page 412, for more information.

**Defense Activity for Nontraditional Education Support (DANTES).** ASU is a participating institution with DANTES and is listed in the DANTES Directory of Independent Study. DANTES is an executive agency of the Department of Defense that provides educational support for the voluntary education programs of all services. The primary missions of DANTES are (1) to provide nationally recognized examination and certification programs as part of the voluntary education programs of military services and (2) to facilitate the availability of high-quality independent institutions for service men and women.

### WESTERN INTERSTATE COMMISSION FOR HIGHER EDUCATION (WICHE)

For Arizona residents who wish to attend professional schools of dentistry, occupational therapy, optometry, osteopathy, and veterinary medicine in one of the other western states, Arizona has joined with other western states to create the Western Interstate Commission for Higher Education. Through WICHE, qualified Arizona residents may attend schools in other western states at essentially the same expense to the students as to residents of the state in which the school is located. Students must have maintained at least average grades in their preprofessional work and must have been legal residents of Arizona for at least the last five years. Recipients are required to return to Arizona to practice or to repay a portion of the funds expended in their behalf.

For applications and more information, call 602/229-2500.

## ASU Certificates

Certificate	Administered By	Campus	Page
Accountancy, Postbaccalaureate Certificate in	School of Management	West	612
African American Studies	African American Studies Program	Main	345
American Indian Studies	American Indian Studies Program	Main	461
Asian Pacific American Studies	Asian Pacific American Program	Main	462
Asian Studies	Center for Asian Studies	Main	381
Communication and Human Relations, Postbaccalaureate Certificate in	College of Human Services	West	612
East Asian Studies	Center of Asian Studies	Main	391
English as a Second Language	College of Extended Education	Extended	261
Enriched College Degree	CLAS	Main	339
Ethnic Studies	College of Arts and Sciences	West	612
Film and Video Studies	College of Arts and Sciences	West	612
Gerontology <sup>1</sup>	College of Extended Education	Extended	259
	College of Human Services	West	612
	Graduate College	Main	307
Hazardous Materials and Waste Management	Department of Information and Management Technology	East	591
Health Physics	Pre-Health Professions Office	Main	340
History and Philosophy of Science	Department of Philosophy	Main	416
Human Performance Improvement <sup>2</sup>	College of Extended Education and the American Society of Training and Development	Main	260
Indian Law <sup>2</sup>	College of Law	Main	328
International Business Studies	College of Business	Main	163
Jewish Studies	Jewish Studies Committee	Main	340
Latin American Studies	Latin American Studies Center	Main	340
Medieval and Renaissance Studies	Arizona Center for Medieval and Renaissance Studies (ACMRS)	Main	340
Medieval Studies <sup>1, 2</sup>	ACMRS	Main	—
Museum Studies <sup>1, 2</sup>	Department of Anthropology	Main	—
Nonprofit Management <sup>2</sup>	College of Extended Education and the United Way	Main	260
Nonprofit Youth Agency Administration: American Humanics	Department of Recreation Management and Tourism	Main	476
Post-Bachelor's Artist Diploma <sup>1, 2</sup>	School of Music	Main	—
Post-Master's Family Nurse Practitioner <sup>1, 2, 3</sup>	College of Nursing	Main	—
Professional Accountancy, Postbaccalaureate Certificate	School of Management	West	612
Quality Analysis	College of Business	Main	153
Renaissance Studies <sup>1, 2</sup>	ACMRS	Main	—
Russian and East European Studies	Department of Languages and Literatures	Main	341
Scandinavian Studies	Department of Languages and Literatures	Main	341
Scholarly Publishing <sup>1, 2</sup>	Department of History	Main	—
Small Business and Entrepreneurship	College of Business	Main	170
Southeast Asian Studies	Program for Southeast Asian Studies	Main	341
Translation	Department of Languages and Literatures	Main	392
Transportation Systems <sup>1, 2</sup>	Committee on Transportation Systems	Main	—
Women's Studies	College of Arts and Sciences	West	612
	Women's Studies Program	Main	341
Writing	College of Arts and Sciences	West	612
	Department of English	Main	364

<sup>1</sup> For more information, see the *Graduate Catalog*.

<sup>2</sup> This certificate program is not available as a B.I.S. concentration.

<sup>3</sup> Applications for this program are not being accepted at this time.