

Index

A

Abbreviations

- for buildings, 594
- for course listings, 59
- for course prefixes, 6
- for General Studies courses, 88

Academic Advising. *See* Advising.

Academic affiliations, 21

Academic calendar, 14

Academic definitions, 18, 73. *See also* Definitions.

Academic freedom policies, 25

Academic integrity, 79

Academic memberships (unit and program lists), 22

Academic organization, 8

Academic recognition at graduation, 84

Academic renewal, 71

Academic standards, 77

Academic Support Program (ASP), 304

Accountancy and Information Management, School of, 156

Accountancy (B.S.)

- course descriptions, 157

Accreditation

- academic, 20
- of Architecture and Environmental Design, College of, 20, 120
- of ASU East, 20, 540
- of ASU West, 24
- of Business, College of, 20
- of Del E. Webb School of Construction, 202
- of Education, College of, 20
- of Engineering and Applied Sciences, College of, 20, 209
- of Fine Arts, College of, 20
- of Human Services, College of, 24
- of Law, College of, 20
- of Liberal Arts and Sciences, College of, 20
- of Management, School of, 24
- of Nursing, College of, 20
- of Public Programs, College of, 21
- of Social Work, School of, 21, 468
- of Technology and Applied Sciences, College of, 21, 550

ACT scores, 70

Acting concentration, 294

Add courses, 75

Admission(s). *See also* Readmission; specific colleges and schools.

advanced placement and, 67

to Agribusiness and Resource Management, Morrison School of, 544

to Architecture and Environmental Design, College of, 117

to Business, College of, 149

Disability Resources for Students and, 67

to Education, College of, 178

to Engineering and Applied Sciences, College of, 196

to Fine Arts, College of, 260

to Graduate College, 305

before high school graduation, 63

to Honors College, 317

of international students, 66

to Law, College of, 320

nondegree, 63

to Nursing, College of, 434

procedures, 60

to Public Programs, College of, 444

requirements for, 62

standards, 61

to Technology and Applied Sciences, College of, 550

before transcript receipt, 65

of transfer applicants, 63

undergraduate, 40

to veterinary colleges, 545

Advanced placement credit, 67

for General Studies credit, 85

Advanced Public Executive Program, 258

Advanced Purchasing Studies, Center for (CAPS), 33

Advancement of Small Business, Center for (CASB), 33

Advising, 71

for Architecture and Environmental Design, College of, 117

for ASU East, 540

for Business, College of, 150

Cross-college Advising Services (CAS), 115

for Education, College of, 179

for Engineering and Applied Sciences, College of, 197

for Graduate College, 304, 308

for Liberal Arts and Sciences, College of, 323

for Nursing, College of, 435

for Public Programs, College of, 444

for Technology and Applied Sciences, College of, 551

- AECP (American English and Culture Program), 67
- Aerodynamics emphasis, 245
- Aeronautical Engineering Technology (B.S.), 568
course descriptions, 569
- Aeronautical Management Technology, Department of, 552
- Aeronautical Management Technology (B.S.), 552
course descriptions, 555
- Aerospace Engineering (B.S.E.), 244
emphasis areas, 245
programs of study, 246
- Aerospace Materials emphasis, 245
- Aerospace Structures emphasis, 245
- Aerospace Studies
course descriptions, 334
Department of, 333
- Affiliations, academic, 21
- Affirmative action policies, 25
- African American Studies
certificate in, 335
course descriptions, 336
- African American Studies (B.A.), 335
- AFROTC (Air Force Reserve Officers' Training Corps), 333
- AGEC (Arizona General Education Curriculum), 64
- Agribusiness and Resource Management, Morrison School of, 543
admission to, 544
course descriptions, 546
degree programs of, 544
- Agribusiness (B.S.), 544
- Air Force Reserve Officers' Training Corps (AFROTC), 333
- Airway Science Flight Management concentration, 553
- Airway Science Management concentration, 554
- Alumni Association, 32
- American Chemical Society certification, 347
- American Dietetic Association requirements, 363
- American English and Culture Program (AECP), 67, 257
- American Humanics Program, 463. *See also* Nonprofit Leadership and Management Program.
- American Indian. *See also* Native American.
Justice Studies Certificate Program, 458
Studies Program, 447
- Analysis and Systems course descriptions, 209
- Anthropology
course descriptions, 338
Department of, 337
- Anthropology (B.A.), 337
- Appeal procedures
for basic competencies, 78
for grades, 76
for Graduate College, 310
for reinstatement, 79
for transfer credits, 66
- Application(s). *See also* specific colleges and degree programs.
for admission, 60
to Graduate College, 305
for financial aid, 51
for graduation, 83
from Graduate College, 310
- Applied Science (B.A.S.)
in Aeronautical Management Technology, Department of, 554
in Agribusiness and Resource Management, Morrison School of, 546
core course descriptions, 549
in Electronics and Computer Engineering Technology, Department of, 558
in Information and Management Technology, Department of, 562
in Manufacturing and Aeronautical Engineering Technology, Department of, 568
- Arabic course descriptions, 385
- Arboretum, 28
- Architectural Administration and Management course descriptions, 125
- Architectural Communication course descriptions, 125, 128
- Architectural Design and Technology Studios course descriptions, 125
- Architectural Philosophy and History course descriptions, 125, 126
- Architectural Studies (B.S.D.)
programs of study, 123
- Architectural Technology course descriptions, 125, 127
- Architecture, School of, 121
admission to, 121
application to, 122
course descriptions, 125
degree programs of, 121
portfolio requirements for, 122
programs of study, 123
- Architecture and Environmental Design, College of, 116. *See also* specific degree programs and courses.
academic affiliations of, 21
academic standards of, 118
accreditation of, 20, 120
admission to, 117
Architecture, School of, 121
associations of, 120
degree programs of, 118

- through Extended Education, College of, 254
graduate, 119
- Design, School of, 128
- Gallery of Design for, 29, 117
- Herberger Center for Design Excellence, 32, 117
- library for, 29, 117
- organization of, 117
- Planning and Landscape Architecture, School of,
137
- Architecture and Environmental Design Library, 29,
117
- Architecture Professional Studies courses, 125, 127
- Archives, University, 29
- Arizona Center for Medieval and Renaissance
Studies, 36
- Arizona Collection, 28
- Arizona Drug and Gang Prevention Resource Center,
46, 258
- Arizona General Education Curriculum (AGEC), 64
General Studies transfer credit and, 85
- Arizona Higher Education Course Equivalency Guide*
(CEG), 64
- Arizona Hispanic Business Survey, 38
- Arizona Historical Foundation Library, 28
- Arizona Prevention Resource Center, 45
- Arizona Real Estate Center, 33
- Arizona State Board of Nursing requirements, 435
- "Arizona Studies in the Middle Ages and the
Renaissance" (book series), 36
- Arizona Trust Fund, 52
- Art, School of, 264
 - Bachelor of Arts degree in Art. *See also* specific
concentrations.
 - Art History concentration, 264
 - Photographic Studies concentration, 265
 - Studio Art concentration, 265
 - Bachelor of Fine Arts degree in Art. *See also*
specific concentrations.
 - Art Education concentration, 266
 - Ceramics concentration, 266
 - Drawing concentration, 267
 - Fibers concentration, 267
 - Intermedia concentration, 267
 - Metals concentration, 268
 - Painting concentration, 268
 - Photography concentration, 268
 - Printmaking concentration, 269
 - Sculpture concentration, 269
 - course descriptions, 269
 - graduate programs in, 269
 - special programs of, 263
- Art Auxiliary course descriptions, 269
- Art (B.A., B.F.A.), 264, 265. *See also* Art, School of.
- Art Education
 - concentration, 266
 - course descriptions, 269
- Art History
 - concentration, 264
 - course descriptions, 270
- Asian languages, 380
- Asian Pacific American Studies Program, 448
- Asian Studies
 - with Asian Languages major, 383
 - Center for, 36
 - certificate in, 331
 - with Geography major, 367
 - with History major, 373
 - with Political Science major, 416
 - with Religious Studies major, 424
- ASP (Academic Support Program), 304
- Assistantships in Graduate College, 307
- Associated Students of Arizona State University
(ASASU), 45
- Astronomy, 407
 - course descriptions, 409
- ASU 3+2 Programs, 201, 202
- ASU baccalaureate degrees, 9. *See also* Bachelor's
degree(s); specific degree programs and courses.
- ASU Downtown Center, 27, 258. *See also* Extended
Education, College of.
- ASU East, 27, 539
 - accreditation of, 20, 540
 - administrative and academic personnel, 577
 - admission to, 540
 - advising, 540
 - degree programs of, 9, 541, 542
 - directory of, 573
 - faculty and academic professionals, 574
 - history of, 540
 - map of, 572
 - organization of, 8, 540
- ASU Extended Campus, 27. *See also* Extended
Education, College of.
- ASU Main, 27
 - academic organization of, 8
 - administrative and academic personnel, 533
 - directory of, 477, 533
 - faculty and academic professionals, 480
 - map of, 474
- ASU/Phoenix Educational Opportunity Center, 43
- ASU Report Card, 32
- ASU Research Park, 28
- ASU vicinity map, 593
- ASU Web directory, 591

ASU West, 27, 578
 academic organization of, 8, 579
 accreditation of, 24, 579
 administrative and academic personnel, 590
 admission to, 579
 certificate programs of, 581
 degree programs of, 9, 580
 directory of, 583
 faculty and academic professionals, 584
 Fletcher Library, 28
 map of, 582
 Athletics, Intercollegiate, 46
 history of, 27
 Audit enrollment, 74
 to Graduate College, 307
 Aviation Maintenance Management Technology
 concentration, 554
 Aviation Management Technology concentration, 554
 Awareness areas in General Studies requirements, 87
AZB/Arizona Business, 33

B

Bachelor's degree(s), 9
 Accountancy (B.S.), 157
 Aeronautical Engineering Technology (B.S.), 568
 Aeronautical Management Technology (B.S.), 552
 Aerospace Engineering (B.S.E.), 244
 African American Studies (B.A.), 355
 Agribusiness (B.S.), 544
 Anthropology (B.A.), 337
 Applied Science (B.A.S.). See Applied Science
 (B.A.S.).
 Architectural Studies (B.S.D.), 123
 Art (B.A., B.F.A.), 264, 265. See *also* Art, School of.
 Bioengineering (B.S.E.), 213
 Biology (B.S.), 341
 Broadcasting (B.A.), 454
 Chemical Engineering (B.S.E.), 210
 Chemistry (B.A., B.S.), 346, 347
 Chicana and Chicano Studies (B.A.), 351
 Civil Engineering (B.S.E.), 223
 Clinical Laboratory Sciences (B.S.), 400
 Communication (B.A., B.S.), 448
 Computer Informations Systems (B.S.), 157
 Computer Science (B.S.), 229, 352
 Computer Systems Engineering (B.S.E.), 230
 Conservation Biology (B.S.), 342
 Construction (B.S.), 202
 Dance (B.F.A.), 276
 Design. See specific degree programs and courses.
 Economics (B.A., B.S.), 159, 353
 Education (B.A.E.), 179
 Electrical Engineering, (B.S.E.), 236
 Electronics Engineering Technology (B.S.), 557
 Engineering Special Studies (B.S.E.), 252
 English (B.A.), 354
 Environmental Resources (B.S.), 138
 Exercise Science/Physical Education (B.S.), 359
 Family Resources and Human Development (B.S.),
 362
 Finance (B.S.), 162
 in foreign languages (B.A.), 380. See *also* specific
 languages.
 Geography (B.A., B.S.), 367
 Geology (B.S.), 371
 Graphic Design (B.S.D.), 129
 Housing and Urban Development (B.S.D.), 138
 Humanities (B.A.), 378
 Industrial Design (B.S.D.), 129
 Industrial Engineering (B.S.E.), 241
 Interdisciplinary Studies (B.I.S.), 114
 Interior Design (B.S.D.), 129
 Journalism (B.A.), 454
 Justice Studies (B.S.), 458
 Landscape Architecture (B.S.L.A.), 138
 Management (B.S.), 166
 Manufacturing Engineering Technology (B.S.), 567
 Marketing (B.S.), 171
 Materials Science and Engineering (B.S.E.), 216
 Mathematics (B.A., B.S.), 393, 394
 Mechanical Engineering (B.S.E.), 246
 Microbiology (B.S.), 399
 Music (B.A., B.M.), 280
 Philosophy (B.A.), 404
 Political Science (B.A., BS), 416
 Psychology (B.A., B.S.), 420
 Recreation (B.S.), 463
 second, 84
 Social Work (B.S.W.), 468
 Sociology (B.A.), 426
 Speech and Hearing Science (B.S.), 428
 Theatre (B.A., B.F.A.), 293, 295
 Urban Planning (B.S.P.), 138
 Women's Studies (B.A., B.S.), 431
 Bank One Economic Outlook Center (EOC), 33
 Basic competency requirements, 62, 78
 Behavioral Sciences in General Studies requirements,
 86
 Bicycles, 48
 Bike Co-op Repair Service, 48
 Bilingual Education course descriptions, 188
Bilingual Review Press, 38
 Biochemical Engineering emphasis, 212, 214
 Biochemistry emphasis, 347
 Bioelectrical Engineering emphasis, 215

- Bioengineering (B.S.E.), 213
 - course descriptions, 219
 - course requirements, 214
 - programs of study, 215
 - Biology
 - course descriptions, 343
 - Department of, 341
 - Biology and Society concentration, 342
 - Biology (B.S.), 341
 - Biomaterials Engineering emphasis, 215, 217
 - Biomechanical Engineering emphasis, 215, 247
 - Biomedical Engineering emphasis, 212
 - Biomedical Imaging Engineering emphasis, 215
 - Biosystems Engineering emphasis, 215
 - Broadcasting (B.A.), 454
 - Buckley Amendment, 79
 - Bus transportation, 48
 - Business, College of, 148
 - academic standards of, 153
 - Accountancy and Information Management, School of, 156
 - accreditation of, 20
 - admission to, 149
 - centers of, 32
 - course descriptions, 155. *See also* specific degree programs and courses.
 - degree programs of, 151
 - through Extended Education, College of, 254
 - Economics, Department of, 159
 - Finance, Department of, 162
 - graduate programs in, 151
 - Health Administration and Policy, 163
 - Management, 169
 - Health Administration and Policy, School of, 163
 - International Business Studies certificate, 164
 - Management, Department of, 166
 - Marketing, Department of, 171
 - organization of, 149
 - programs of study, 150, 153
 - special programs of, 153
 - Small Business Program, 173
 - Supply Chain Management, Department of, 173
 - Business Administration course descriptions, 174
 - Business Education course descriptions, 190
 - Business Processes management, 167
 - Business Research, Center for (CBR), 33
 - Campus Match program, 113
 - Cancer Research Institute, 36
 - CAPS (Advanced Purchasing Studies, Center for), 33
 - Career Services, 45
 - for Graduate College, 304
 - CARO (Community Art and Research Outreach), 38
 - CASB (Advancement of Small Business, Center for), 33
 - Catalog year determination, 81
 - CBR (Business Research, Center for), 33
 - CCNS (College Council of Nursing Students), 438
 - CCPS (Cocurricular Programs and Service), 42
 - CCPS Living-Learning Community, 42
 - Center complex residence halls, 42
 - Center(s) and Institute(s)
 - for Academic Precocity, 177
 - for Advanced Purchasing Studies (CAPS), 33
 - for the Advancement of Small Business (CASB), 33
 - for Agribusiness Policy Studies, 543
 - of Architecture and Environmental Design, College of, 117
 - Arizona Drug and Gang Prevention Resource Center, 46, 258
 - Arizona Real Estate, 33
 - for Asian Studies, 36
 - ASU Downtown Center, 258
 - ASU/Phoenix Educational Opportunity Center, 42
 - Bank One Economic Outlook (EOC), 33
 - for Bilingual Education and Research, 34, 177
 - of Business, College of, 32
 - for Business Research (CBR), 33
 - Cancer Research Institute, 36
 - Counselor Training, 177
 - Deer Valley Rock Art Center, 28
 - Downtown (ASU), 27
 - of Education, College of, 177
 - for Environmental Studies, 39
 - Exercise and Sport Research Institute (ESRI), 38
 - Herberger Center for Design Excellence, 32, 117
 - for High Resolution Electron Microscopy (CHREM), 37
 - Hispanic Research (HRC), 38
 - for Indian Education, 34, 177
 - for Innovation in Engineering Education (CIEE), 35
 - Institute of Human Origins (IHO), 39
 - Intergroup Relations Center, 26
 - Joan and David Lincoln Center for Applied Ethics (LCAE), 34
 - L. William Seidman Research Institute, 32, 155
 - Labriola National American Indian Data, 28
 - for Latin American Studies, 39, 155
 - Law, Science, and Technology, Center for the Study of, 36
- C**
- Calendar, academic, 14
 - CAM 394 courses, 42
 - Camp Tontozona, 28
 - Campus Environment Team, 25

- Learning Resource Center (LRC), 41
- of Liberal Arts and Sciences, College of, 333
- Louise Lincoln Kerr Cultural, 29
- for Low-Power Electronics, 35
- Manufacturing Institute (MI), 35
- Medieval and Renaissance Studies, Arizona Center for, 36
- Morrison Institute for Public Policy, 39
- for Professional Development, 196
- for Research in Engineering and Applied Sciences, 35
- for Services Marketing and Management (SMM), 33
- for Solid-State Electronics Research, 35
- Student Organization Resource Center, 41
- for Studies in the Arts, 36
- for the Study of Early Events in Photosynthesis, 38
- for the Study of Finance, 34
- Sundome, for the Performing Arts, 30
- for System Science and Engineering Research, 35
- Telecommunications Research, 36
- for Urban Inquiry, 258, 448
- Visualization, 32
- Writing, 114
- Ceramic Materials emphasis, 217
- Ceramics
 - concentration, 266
 - course descriptions, 274
- Certificate(s), 110, 111
 - in African American Studies, 336
 - from American Chemical Society, 347
 - in American Indian Justice Studies, 458
 - in Asian Studies, 331
 - offered by ASU West, 581
 - offered by Business, College of, 153
 - offered by Extended Education, College of, 255
 - in Gerontology, 111, 303
 - through Extended Education, College of, 255
 - offered by Graduate College, 303
 - in Hazardous Materials and Waste Management, 562
 - in Health Physics, 331
 - in Human Performance Improvement, 255
 - International Baccalaureate Diploma/Certificate, 67
 - in International Business Studies, 164
 - in Jewish Studies, 331
 - in Latin American Studies, 332
 - offered by Liberal Arts and Sciences, College of, 331
 - in Medieval and Renaissance Studies, 112
 - in Nonprofit Leadership and Management, 255, 463
 - Post-Master's Family Nurse Practitioner, 255
 - in Quality Analysis, 154
 - in Russian and East European Studies, 332
 - in Scandinavian Studies, 332
 - in Small Business and Entrepreneurship, 173
 - in Southeast Asian Studies, 332
 - in Translation, 383
 - in Transportation Systems, 303
 - in Women's Studies, 333
 - in Writing, 355
- Certification for teachers. *See* Education, College of; Professional Teacher Preparation Program (PTPP).
- Chandler-Gilbert Community College, New Partnership in Baccalaureate Education, 540, 549
- Channel 8 Television (KAET), 30
- Chemical, Bio, and Materials Engineering, Department of, 210
- Chemical Engineering (B.S.E.), 210
 - course descriptions, 220
 - programs of study, 213
- Chemistry and Biochemistry
 - course descriptions, 349
 - Department of, 346
- Chemistry (B.A., B.S.), 346, 347
- Chicana and Chicano Studies
 - course descriptions, 352
 - Department of, 351
- Chicana and Chicano Studies (B.A.), 351
- Chicano Research Collection, 28
- Child and Family Services, 41
- Child Development course descriptions, 364
- Chinese (B.A.), 380
 - course descriptions, 385
- Choral concentration, 280
- Choreography concentration, 276
- CHREM (Center for High Resolution Electron Microscopy), 37
- CIEE (Innovation in Engineering Education, Center for), 35
- Civil and Environmental Engineering, Department of, 213
- Civil Engineering (B.S.E.), 223
 - course descriptions, 227
 - degree requirements, 224
 - programs of study, 225
- Class fees, 54
- Class standing, 77
- Classic film colloquia, 42
- CLEP (College-Level Examination Program), 67
- Clinical Laboratory Sciences (B.S.), 400
 - course descriptions, 401
- Cocurricular Programs and Service (CCPS), 42
- Coalition to Increase Minority Degrees, 38
- Code of Conduct, Student*, 60

- Codes
 - for course listings, 59
 - for course prefixes, 6
 - for General Studies courses, 88
 - Honor Code*, 321
 - Student Code of Conduct*, 60
- Collections and galleries, 28
 - of Architecture and Environmental Design, College of, 117
 - Arizona Collection, 28
 - Chicano Research Collection, 28
 - Computing Commons Gallery, 29
 - Gallery of Design, 29
 - Harry Wood Gallery, 31
 - Map Collection, 29
 - Nelson Fine Arts Center, 30
 - 1907 Gallery, 29
 - Northlight Gallery, 30
 - Thomas Mosher Collection, 28
 - University Archives, 29
 - University Art Museum, 29
 - Visual Literacy Collection, 28
 - William S. Burroughs Collection, 28
- College Council of Nursing Students (CCNS), 438
- College-Level Examination Program (CLEP), 67
 - General Studies credit and, 85
- Communication
 - course descriptions, 450
 - Department of, 448
 - degree programs of, 448
 - student activities, 46
- Communication (B.A., B.S.), 448
- Community Art and Research Outreach (CARO), 38
- Community colleges
 - ASU East and, 540
 - Chandler-Gilbert Community College New Partnership and, 541, 549
 - continuous enrollment and, 81
 - General Studies credit and, 85
 - transfers from, 64. *See also* Credit(s), academic.
- Community Health Services Clinic, 438
- Compassionate withdrawal, 76
- Computer Engineering Technology course
 - descriptions, 559
- Computer Graphic Communications course
 - descriptions, 563
- Computer Information Systems (B.S.)
 - course descriptions, 157
 - programs of study, 157
- Computer Methods
 - as Aerospace emphasis, 245
 - as Mechanical Engineering emphasis, 247
- Computer Science and Engineering, Department of, 229
- Computer Science and Engineering course
 - descriptions, 233
- Computer Science (B.S.), 229, 352
 - programs of study, 230
- Computer Systems Administration concentration, 558
- Computer Systems concentration, 557
- Computer Systems Engineering (B.S.E.), 230
 - programs of study, 231
- Computer Technology programs
 - in Extended Education, College of, 255, 257
- Computing Commons, 31
 - at ASU East, 542
 - Gallery, 29
- Computing facilities and services, 31
 - at ASU East, 542
- Concurrent and dual degrees, 84, 111
- Conditional readmission, 71
- Conservation Biology (B.S.), 342
- Construction, Del E. Webb School of, 202
- Construction (B.S.), 202
 - course descriptions, 205
 - programs of study, 203
- Consumer Products Technology concentration, 546
- Continuing and Extended Education Program for nurses, 438
- Continuing registration, 58
- Control and Dynamic Systems emphasis, 247
- Cooperative Education programs, 73, 197
- Coor, Lattie F., 3, 27
- Core areas of General Studies, 86
- Corequisite, definition of, 59
- Counseling and Consultation, 43
- Course(s). *See also* specific degree programs and courses.
 - classification of, 58
 - General Studies
 - abbreviations for, 88
 - listing, 89
 - linked, 113
 - listing codes, 59
 - minimum loads, 73
 - for Graduate College, 307
 - numbering system of, 58
 - omnibus, 58
 - prefix index, 6
 - repeating, 77
 - reserving for graduate credit. *See* Credit(s), academic.
 - special fees for, 47
 - University Success, 113
 - Creative Writing (M.F.A.), 263, 302

- Credit cards for tuition payments, 48
- Credit enrollment, 74
- Credit(s), academic
- advanced placement, 67
 - for College-Level Examination Program, 67
 - definition of, 73, 306
 - from foreign institutions, 66, 67
 - requirements for graduation, 81
 - transfer, 63
 - appeals procedure, 66
 - application for, 63
 - for Architecture and Environmental Design, College of, 117
 - to ASU East, 541
 - to Business, College of, 150
 - to Engineering and Applied Sciences, College of, 197
 - to Fine Arts, College of, 260
 - to General Studies requirements, 85
 - to Graduate College, 308
 - to Journalism and Telecommunication, Walter Cronkite School of, 454
 - to Justice Studies, School of, 458
 - to Liberal Arts and Sciences, College of, 323
 - to Nursing, College of, 434
 - to Professional Teacher Preparation Program (PTPP), 178
 - to Public Programs, College of, 444
 - to Social Work, School of, 446
 - to Technology and Applied Sciences, College of, 550
 - undergraduate for graduate programs, 73
 - for Fine Arts, College of, 264
 - for Public Programs, College of, 447
 - for Social Work, School of, 469
- Credit(s), tax, 52
- Critical inquiry in General Studies requirements, 86
- Cultural diversity in the United States, 87
- Cultural Geography course descriptions, 368
- Curriculum and Instruction
- course descriptions, 185
 - Division of, 185
- Curriculum and Instruction (Ph.D.), 303
- Curriculum Development and Support, 114
- Customer Assistance Center, 31
- D**
- Dance, 46
- concentration, 276
 - course descriptions, 277
 - Department of, 275
 - graduate programs in, 277
 - special programs of, 263
- Dance (B.F.A.), 276
- Dance Education concentration, 276
- Dance History course descriptions, 277
- Dance Studies concentration, 276
- Dance Studio Theatre, 29
- Danforth Chapel, 46
- DANTES (Defense Activity for Non-Traditional Education Support), 112
- DAP (Diversity Assistantship Program), 304
- DARS (Degree Audit Reporting System), 83, 115
- Dean's list, 78
- Debit cards for tuition payments, 48
- Deer Valley Rock Art Center, 28
- Defense Activity for Non-Traditional Education Support (DANTES), 112
- Definitions
- academic, 18, 306
 - of academic standing, 78
 - of courses, 58
 - for Engineering and Applied Sciences, College of, 202
 - of grades, 73, 308
 - of records, 79
 - for tuition, 47
- Degree Audit Reporting System (DARS), 83, 115
- Degree program(s), 9. *See also* specific degree programs.
- Del E. Webb School of Construction, 202
- Design
- as Aerospace emphasis, 245
 - as Mechanical Engineering emphasis, 247
- Design, School of, 128
- admission to, 129
 - degree programs of, 129
 - portfolio requirements for, 130
- Design (B.S.D.). *See* specific degree programs and courses.
- Design course descriptions, 135
- Design/Technical Theatre concentration, 294
- Dietetics option, 363
- Digiguide*, 44
- Digital Media Management concentration, 563
- Digital Publishing concentration, 563
- Direct Student Loan, 52
- Directing/Stage Management concentration, 294
- Directories
- ASU East, 573
 - ASU Main, 477, 533
 - ASU Web, 591
 - ASU West, 583
- Directory information, 80

- Disability Resources for Students (DRS), 43
 - application and, 67
 - Discriminatory harassment policies, 25
 - Dishonesty, academic, 79
 - Disqualification, academic, 78
 - Dissertations
 - fees for, 48
 - formats of, 305
 - for Graduate College, 309
 - Distance Learning Technology, 256
 - Diversity Assistantship Program (DAP), 304
 - Downtown Center, 27. *See also* Extended Education, College of.
 - Drama City, 29, 36
 - Drawing
 - concentration, 267
 - course descriptions, 272
 - Drop/add courses, 75
 - DRS (Disability Resources for Students), 43, 67
- E**
- Early Childhood Education program area
 - course descriptions, 185
 - programs of study, 181
 - East College, 548
 - Economic Forecasts*, 33
 - Economic Outlook Center, Bank One, 33
 - Economics
 - course descriptions, 160
 - Department of, 159
 - minors in, 353
 - Economics (B.A., B.S.), 353
 - Education, College of, 176
 - academic affiliation of, 21
 - academic memberships of, 22
 - academic standards for, 183
 - accreditation of, 20
 - admission to, 178
 - centers of, 35, 177
 - Curriculum and Instruction, Division of, 185
 - degree programs of
 - through Extended Education, College of, 254
 - graduate, 180
 - undergraduate, 178, 179
 - Early Childhood Education program area, 185
 - Educational Leadership and Policy Studies, Division of, 192
 - Educational Media and Computers program area, 186
 - Elementary Education program area, 187
 - at ASU East, 549
 - Multicultural Education program area, 188
 - organization of, 170
 - Psychology in Education, Division of, 193
 - Reading and School Library Science program area, 189
 - Secondary Education program area, 190. *See also* Secondary Education program area.
 - Special Education program area, 190
 - teacher certification programs, 184. *See also* Professional Teacher Preparation Program (PTPP).
 - Education (B.A.E.), 179
 - academic specializations, 181. *See also* Secondary Education program area.
 - Education record. *See also* Records.
 - definition of, 79
 - Education Support Services, 113
 - Educational Development, 42
 - Educational Leadership and Policy Studies, Division of, 192
 - Educational Media and Computers course
 - descriptions, 186
 - Educational Policy Studies course descriptions, 193
 - Educational Psychology course descriptions, 193
 - Elderhostel Program, 257
 - Electrical Engineering
 - course descriptions, 238
 - Department of, 236
 - programs of study, 236
 - Electrical Engineering (B.S.E.), 236
 - Electronic Systems concentration, 557
 - Electronics and Computer Engineering Technology, Department of, 556
 - Electronics Engineering Technology (B.S.), 557
 - concentrations in, 557
 - course descriptions, 511
 - Elementary Education program area
 - at ASU East, 549
 - course descriptions, 187
 - programs of study in, 181
 - specializations
 - theatre, 297
 - Emergency Management concentration, 563
 - Employment
 - financial aid and, 53
 - residency classification policy for transferals, 50
 - student, 53
 - Energy studies
 - interdisciplinary programs of, 111
 - Energy Systems Engineering emphasis, 218
 - Engineering. *See also* specific degree programs and courses.
 - course descriptions, 209
 - School of, 206

- Engineering and Applied Sciences, College of, 195.
See also specific degree programs and courses.
- academic standards of, 199
 - accreditation of, 20, 209
 - admission to, 196
 - Chemical, Bio, and Materials Engineering, Department of, 210
 - Civil and Environmental Engineering, Department of, 223
 - Computer Science and Engineering, Department of, 229
 - Construction, Del E. Webb School of, 202
 - degree programs of, 198
 - degree requirements of, 199
 - Electrical Engineering, Department of, 236
 - Engineering, School of, 206
 - graduate programs in, 199
 - honor societies of, 201
 - Industrial and Management Systems Engineering, Department of, 240
 - integrated bachelor's and master's programs, 198
 - Mechanical and Aerospace Engineering, Department of, 244
 - organization of, 196
 - research centers and institutes of, 35, 196
 - special programs of, 200
- Engineering (B.S.E.)
- degree requirements, 207
 - programs of study, 208
- Engineering Core course descriptions, 209
- Engineering Mechanics emphasis, 248
- Engineering Special Studies (B.S.E.), 252
- Engineering Technology Core course descriptions, 552
- English
- course descriptions, 356
 - Department of, 354
 - placement examinations in, 70
- English (B.A.), 354
- Enrollment
- continuous, 81
 - types of, 74
 - verification guidelines for, 74
- Environmental Analysis and Programming courses, 125, 126
- Environmental Engineering
- as emphasis in Chemical Engineering, 212
 - as option in Civil Engineering, 223
 - degree requirements, 225
 - programs of study, 226
- Environmental Resources (B.S.), 138
- course descriptions, 144
 - programs of study, 143
- Environmental Science and Ecology
- concentration, 412
 - course descriptions, 415
- Environmental studies
- Center for, 39
 - interdisciplinary programs of, 111
- Environmental Technology Management
- concentration in, 562
 - course descriptions, 565
- EOC (Bank One Economic Outlook Center), 33
- Equal opportunity/affirmative action policies, 25
- Essential Functional Abilities of the Undergraduate Nursing Student, 435
- Ethics, Joan and David Lincoln Center for Applied, 34
- Examination(s)
- for admission, 70
 - comprehensive, 67
 - entrance, 61
 - placement, 70
 - proficiency, 70
- Exchange Programs, 472. *See also* International Programs.
- Exercise Science and Physical Education, Department of, 359
- Exercise Science (Ph.D.), 303
- Exercise Science/Physical Education (B.S.), 359
- course descriptions, 360
- Expulsion, 79
- Extended Campus, 27. *See also* Extended Education, College of.
- Extended Education, College of, 254
- American English and Culture Program (AECF), 257
 - ASU Downtown Center, 258
 - certificate programs of, 255
 - degree programs of, 254
 - Extended Campus programs, 27, 258
 - organization of, 8
 - Professional and Continuing Education courses, 257
- Extended Education Program for nurses, 438
- ## F
- Facilities. *See also* Center(s) and Institute(s).
- Ion Beam Analysis of Materials (IBeAM) Facility, 37
 - Materials Preparation Facility (MPF), 37
 - performing and fine arts, 29
 - research, of Graduate College, 304
- Faculty and academic professionals
- ASU East, 574
 - ASU Main, 480
 - ASU West, 584

- Regents' Professors, 532
 - FAFSA (Free Application for Federal Student Aid), 51
 - Failure Prevention emphasis in Mechanical Engineering, 248
 - Family Educational Rights and Privacy Act of 1974, 79
 - Family Resources and Human Development
 - course descriptions, 364
 - Department of, 362
 - Family Resources and Human Development (B.S.), 362
 - Family Studies/Child Development option, 363
 - Family Studies course descriptions, 365
 - Farmer, Hiram Bradford, 26
 - Federal Pell Grant, 52
 - Federal Perkins Loan, 53
 - Federal Supplemental Educational Opportunity Grant, 52
 - Federal Work-Study program, 53
 - Fee(s)
 - for delinquent payments, 49
 - for dissertations, 48, 309
 - for instrument rental, 48
 - for Nursing, College of, 437
 - for private music instruction, 48
 - for returned checks, 48
 - special, 47
 - special class, 54
 - for Student Health, 44
 - for theses, 48, 309
 - Fibers
 - concentration, 267
 - course descriptions, 274
 - Film studies interdisciplinary programs, 111
 - Finance
 - Center for the Study of, 34
 - Department of, 162
 - Finance (B.S.), 162
 - Financial aid, 40, 51
 - in cooperative programs, 73
 - for Graduate College, 304
 - information sources about, 51
 - need-based, 51
 - taxability of, 53
 - for tuition payments, 48
 - Financial Aid Trust fee, 47
 - Financial Assistance (Office of), 40
 - for Graduate College, 304
 - Fine Arts
 - College of, 259. *See also* specific degree programs and courses.
 - academic standards of, 263
 - accreditation of, 20
 - admission to, 260
 - Art, School of, 264
 - Dance, Department of, 275
 - degree programs of, 260, 261
 - graduate programs in, 261, 262
 - Institute for Studies in the Arts, 36
 - Music, School of, 279
 - organization of, 260
 - special programs of, 263
 - Theatre, Department of, 293
 - in General Studies requirements, 86
 - Fire Service Management
 - concentration in, 563
 - course descriptions, 566
 - First-Year Composition requirements, 81, 86
 - First-Year Seminar, 58
 - FLASH bus, 48
 - Fletcher Library, 28
 - Food and Nutrition course descriptions, 365
 - Food Retailing concentration, 546
 - Food Science concentration, 544
 - Food Service Management option, 362
 - Foreign languages
 - certificate in translation, 383
 - course descriptions, 385
 - for Graduate College, 309
 - majors in, 380. *See also* specific languages.
 - minors in, 382
 - placement examinations in, 71, 384
 - Foreign students. *See* International students.
 - Foreign travel. *See* Study Abroad Programs.
 - Forensics, 46
 - Foundation Coalition, 200
 - Fraternalities and sororities, 42
 - Free Application for Federal Student Aid (FAFSA), 51
 - Freedom of speech policies, 25
 - French (B.A.), 381
 - course descriptions, 386
 - Frequently Asked Questions, 17
 - Freshman Year Experience, 41
- ## G
- Galvin Playhouse, Paul V., 29
 - Gammage, Grady, 26
 - Gammage Memorial Auditorium, 29
 - General aptitude requirements, 64
 - General information, 25
 - General Military courses (GMC), 334
 - General Studies, 81, 85
 - abbreviations key, 88
 - awareness areas, 87
 - core areas, 86
 - courses, 89

- requirements of, 85
 - Geographic Information Systems (GIS) Lab and Visualization Center, 32
 - Geography
 - course descriptions, 368
 - Department of, 366
 - Geography (B.A., B.S.), 367
 - Geology
 - course descriptions, 372
 - Department of, 371
 - Geology (B.S.), 371
 - Geotechnical Engineering emphasis, 223
 - degree requirements, 224
 - German (B.A.), 381
 - course descriptions, 387
 - Gerontology certificate, 111, 303
 - through Extended Education, College of, 255
 - GIS (Geographic Information Systems), 32
 - Global awareness, 87
 - GNO (Graduate Nurse Organization), 438
 - Goldwater Materials Science Laboratories, 37
 - Golf Management concentration, 545
 - Good standing, 78
 - Grade point average (GPA)
 - calculation of, 76. *See also* Grades.
 - Grades
 - academic standards and, 78, 308
 - definition of, 74
 - for Graduate College, 308
 - for Nursing, College of, 437
 - optional systems, 74, 328
 - requirements for graduation, 81
 - Grading system, 74, 328. *See also* Grades.
 - Graduate College, 301
 - academic membership of, 23
 - admission to, 305
 - certificates offered by, 303
 - classification of courses, 58, 308
 - diversity programs of, 304
 - fees for, 47
 - foreign language requirements, 309
 - interdisciplinary programs of, 302
 - majors of, 302
 - offices of, 305
 - professional degrees offered, 301
 - research programs of, 303
 - supervisory committees of, 308
 - Graduate Council, 305
 - Graduate degrees. *See also* specific schools.
 - offered by Architecture and Environmental Design, College of, 119
 - at ASU East, 542
 - at ASU West, 581
 - offered by Business, College of, 151, 152
 - offered by Education, College of, 180
 - offered by Engineering and Applied Sciences, College of, 199, 200
 - offered by Fine Arts, College of, 261, 262
 - offered by Graduate College, 301, 311
 - offered by Liberal Arts and Sciences, College of, 329
 - offered by Nursing, College of, 436
 - offered by Public Programs, College of, 446
 - Graduate Nurse Organization (GNO), 438
 - Graduation
 - declaration of, 83
 - fees for, 47
 - requirements for, 81
 - Grady Gammage Memorial Auditorium, 29
 - Grants, 52
 - Graphic Communications area of study, 562
 - Graphic Design (B.S.D.), 129
 - course descriptions, 135
 - programs of study in, 131
 - Greek, ancient, 388
 - Guitar concentration, 282
- ## H
- Harassment policies, 25
 - Harry Wood Gallery, 31
 - Hayden Library, 28
 - Hayden's Ferry Review*, 44
 - Hazardous Materials and Waste Management Program
 - certificate in, 562
 - Health Administration and Policy, School of, 163
 - Health education, 44
 - Health insurance, 44
 - Health Physics certificate, 331
 - Health Science course descriptions, 362
 - Health Services Administration course descriptions, 164
 - Hebrew course descriptions, 388
 - Help Desk/Consulting, 31
 - Herberger Center for Design Excellence, 32, 117
 - Hispanic Mother Daughter Program, 43
 - Historical awareness, 87
 - History
 - course descriptions, 374
 - Department of, 373
 - History (B.A., B.S.), 373
 - Home Economics Education course descriptions, 366
 - Honor Code*, 321
 - Honors College, 316
 - academic memberships of, 23

- admission to, 317
 - courses for, 58, 317
 - descriptions, 318
 - programs for, 316
 - in Architecture and Environmental Design, College of, 119
 - in Business, College of, 154
 - in Engineering and Applied Sciences, College of, 201
 - in Liberal Arts and Sciences, College of, 330
 - in Nursing, College of, 437
 - in Public Programs, College of, 447, 470
 - in Technology and Applied Sciences, College of, 552
 - transcript recognition for, 318
 - Hope Scholarship, 52
 - Housing and Urban Development (B.S.D.), 138
 - course descriptions, 145
 - programs of study, 141
 - HRC (Hispanic Research Center), 38
 - Human Nutrition—Dietetics option, 363
 - Human Origins, Institute of (IHO), 39
 - Human Performance Improvement certificate, 255
 - Human Resources management, 167
 - Human Services, College of, 24
 - Humanities (B.A.), 378
 - Humanities in General Studies requirements, 86
- I**
- IBeAM (Ion Beam Analysis of Materials Facility), 37
 - ID card, 48
 - IHO (Institute of Human Origins), 39
 - Immunization requirement, 61
 - Incomplete grade, 74
 - Independent learning courses, 184, 257, 309
 - Indian (American). *See also* Native American.
 - Indian Data Center, Labriola National American, 28
 - Indian Education Center for, 34
 - course descriptions, 189
 - Indian Legal Program, 320
 - Indonesian course descriptions, 388
 - Industrial and Management Systems Engineering
 - course descriptions, 242
 - Department of, 240
 - Industrial Design (B.S.D.), 129
 - course descriptions, 136
 - programs of study for, 132
 - Industrial Engineering (B.S.E.), 241
 - Industrial Technology (B.S.), 561
 - Industrial Technology Management concentration, 566
 - course descriptions, 566
 - Information and Management Core course
 - descriptions, 566
 - Information and Management Technology, Department of, 561
 - Information Technology concentration, 562
 - Information Technology (IT), 31
 - Innovation in Engineering Education, Center for (CIEE), 35
 - Instructional Support Group and Lab, 31
 - Instructor-initiated drop courses, 75
 - Instrumental concentration, 281
 - Instrumentation concentration, 558
 - Insurance
 - for international students, 66
 - medical, 44
 - for Nursing, College of, 435
 - Integrated Circuit Materials emphasis, 218
 - Intelligent Stage, 29
 - Interactive Computer Graphics area of study, 562
 - Interactive Instructional Television Program (IITP), 257
 - Intercollegiate Athletics, 27, 46
 - Interdisciplinary studies, 111
 - business emphasis, 150
 - in Extended Education, College of, 254
 - in Graduate College, 302
 - in Liberal Arts and Sciences, College of, 330
 - Humanities program, 378
 - Small Business Program and, 173
 - Interdisciplinary Studies (B.I.S.), 114
 - Intergroup Relations Center, 26
 - Interior Design (B.S.D.), 129
 - course descriptions, 136
 - programs of study for, 133
 - Intermedia
 - concentration, 267
 - course descriptions, 273
 - International Agribusiness concentration, 544
 - International Baccalaureate Diploma/Certificate, 67
 - International Business Studies
 - certificate in, 164
 - course descriptions, 165
 - International Programs, 316, 472
 - in Architecture and Environmental Design, College of, 119
 - course classifications, 59
 - International students
 - admission of, 66
 - to Graduate College, 305
 - Internet courses, 257
 - Internships, 114. *See also* Service Learning Project.
 - in Business, College of, 154
 - in Honors College, 316

in Public Programs, College of, 449
 InTouch, 40, 48
 Ion Beam Analysis of Materials (IBeAM) Facility, 37
 Islamic studies, 111
 IT (Information Technology), 31
 Italian (B.A.), 381
 course descriptions, 388
 "Iter," 36

J

J. Russell and Bonita Nelson Fine Arts Center, 30
 Japanese (B.A.), 380
 course descriptions, 389
 Jazz concentration, 282
 Jewish Studies
 certificate in, 331
 with History major, 374
 with Religious Studies major, 424
 Joan and David Lincoln Center for Applied Ethics
 (LCAE), 34
 John J. Ross–William C. Blakley Law Library, 28, 320
 Joint Urban Design Program, 258
Journal of American Indian Education, 34
 Journalism and Telecommunication, Walter Cronkite
 School of, 453
 admission to, 453
 course descriptions, 455
 degree programs of, 454
 Journalism (B.A.), 454
 course descriptions, 455
Jurimetrics Journal of Law, Science and Technology,
 36, 320
 Justice Studies, School of, 457
 admission to, 457
 course descriptions, 459
 Justice Studies (B.S.), 458
 Justice Studies (Ph.D.), 303

K

KAET Television, 30
 Katzin Concert Hall, 29
 Kerr Cultural Center, 29
 Keyboard concentration, 283
 Korean course descriptions, 389

L

L. William Seidman Research Institute, 32, 155
 Laboratory(ies)
 Center for High Resolution Electron Microscopy
 (CHREM), 37

Geographic Information Systems (GIS) Lab and
 Visualization Center, 32
 Goldwater Materials Science, 37
 Instruction Support Group and Lab, 31
 Ion Beam Analysis of Materials (IBeAM) Facility, 37
 Materials Preparation Facility (MPF), 37
 Materials Science Electron Microscopy (MSEML),
 37
 Secondary Ion Mass Spectrometry (SIMS)
 laboratory, 37
 University Dance Laboratory, 31
 Labriola National American Indian Data Center, 28
 Landscape Architecture (B.S.L.A.), 138
 course descriptions, 145
 programs of study, 140
 Languages, foreign. *See* Foreign languages.
 Languages and Literatures, Department of, 380. *See*
 also specific degree programs and courses.
 Last Lecture Series, 42
 Latin American Studies
 Center for, 39
 certificate in, 332
 with Geography major, 367
 with History major, 374
 with Political Science major, 416
 with Religious Studies major, 424
 Latin course descriptions, 390
 Law, College of, 319
 academic memberships of, 22
 accreditation of, 20, 321
 admission to, 320
 Center for the Study of Law, Science and
 Technology, 36, 320
 degree program of, 321
 library, 28, 320
 special programs of, 320
 Law, Science, and Technology, Center for the Study of,
 36, 320
 Law library, 28, 320
 LCAE (Joan and David Lincoln Center for Applied
 Ethics), 34
 Leadership 2000, 26
 Learning Resource Center (LRC), 41
 for Nursing students, 438
 Legal and Ethical Studies, 173
 Leveraging Educational Assistance Partnership
 (LEAD), 52
 Liberal Arts and Sciences, College of, 322
 academic memberships of, 22
 academic standards for, 328
 accreditation of, 20
 admission to, 323
 advising, 323, 324

- Aerospace Studies, Department of, 333
 African American Studies program, 335
 Anthropology, Department of, 337
 Biology, Department of, 341
 centers of, 333
 Chemistry and Biochemistry, Department of, 346
 Chicana and Chicano Studies, Department of, 351
 Computer Science studies, 352
 concentrations of, 325
 degree programs of, 324
 through Extended Education, College of, 254
 English, Department of, 354
 Exercise Science and Physical Education,
 Department of, 359
 Family Resources and Human Development,
 Department of, 362
 Geography, Department of, 366
 Geology, Department of, 371
 History, Department of, 373
 interdisciplinary studies in, 330
 Humanities, 378
 Languages and Literatures, Department of, 380
 majors of, 325
 Mathematics, Department of, 393
 Microbiology, Department of, 399
 Military Science, Department of, 402
 Molecular and Cellular Biology, 404
 organization of, 323
 Philosophy, Department of, 404
 Physics and Astronomy, Department of, 406
 Plant Biology, Department of, 412
 Political Science, Department of, 416
 Psychology, Department of, 420
 Religious Studies, Department of, 423
 Sociology, Department of, 426
 special programs in, 330
 Speech and Hearing Science, Department of, 428
 Library Instruction, Systems, and Technology
 (L.I.S.T.), 28
 Library(ies), 28
 of Architecture and Environmental Design, College
 of, 28, 117
 ASU East services, 542
 of Institute of Human Origins, 39
 of Law, College of, 328
 Lifetime Learning tax credits, 52
 Linguistics, interdisciplinary program in, 111
 L.I.S.T. (Library Instruction, Systems, and
 Technology), 28
 Literacy and critical inquiry in General Studies
 requirements, 86
 Loans, 52
 Louise Lincoln Kerr Cultural Center, 29
 Low Power Electronics, Center for, 35
 Lyceum Theatre, 30
- ## M
- Main Campus Standards Committee, 83
 Majors. *See* specific degree programs and courses.
 Management
 course descriptions, 169
 Department of, 166
 School of, 24
 Management (B.S.), 166
 Manufacturing
 as Mechanical Engineering emphasis, 248
 Manufacturing and Aeronautical Engineering
 Technology, Department of, 567
 Manufacturing and Materials Processing emphasis,
 218
 Manufacturing Engineering Technology
 concentration, 568
 course descriptions, 569
 Manufacturing Engineering Technology (B.S.), 567
 Manufacturing Institute (MI), 35
 Map Collection, 29
 MAP (Multicultural Advancement Program), 44
 Maps
 of ASU East, 572
 of ASU Main, 474
 of ASU vicinity, 593
 of ASU West, 582
 Marketing, Department of, 171
 Marketing (B.S.), 171
 Mass Communication course descriptions, 456
 Materials as Mechanical Engineering emphasis, 248
 Materials Engineering emphasis, 212
 Materials Preparation Facility (MPF), 37
 Materials Science and Engineering (B.S.E.), 216
 course descriptions, 221
 course requirements, 217
 programs of study, 218
 Materials Science Electron Microscopy Laboratory
 (MSEML), 37
 Mathematics
 course descriptions, 396
 Department of, 393
 placement examinations in, 71
 Mathematics (B.A., B.S.), 393
 Matthews, Arthur John, 26
 Mechanical and Aerospace Engineering
 course descriptions, 249
 Department of, 244
 Mechanical Engineering (B.S.E.), 246
 emphasis areas, 247

programs of study, 248
 Mechanical Engineering Technology concentration, 568
 Mechanical Metallurgy emphasis, 218
 Medical Technology course descriptions, 401
 Medical withdrawal, 76
 Medieval & Renaissance Texts & Studies (MRTS), 36
 Medieval and Renaissance Studies
 Arizona Center for, 36
 certificate in, 112, 332
 with History major, 374
Mediterranean Studies, 36
 Memorial Union (MU), 45
 Metallic Materials Systems emphasis, 218
 Metals
 concentration, 268
 course descriptions, 275
 Meteorology-Climatology concentration, 367
 MI (Manufacturing Institute), 35
 Microbiology
 course descriptions, 401
 Department of, 399
 Microbiology (B.S.), 399
 Microcomputer Systems concentration, 559
 Microelectronics concentration, 557
 Microelectronics Engineering Technology course descriptions, 561
 Midterm report, 77
 Military members and residency classification, 50
 Military officer training, 112, 331. *See also* ROTC studies.
 Military Science (Army ROTC). *See also* ROTC studies.
 course descriptions, 404
 Department of, 402
 Minority Engineering Program, 201
 Minors. *See* specific degree programs and courses.
 Misconduct in scholarly conduct, 310
 Molecular and Cellular Bioengineering emphasis, 215
 Molecular and Cellular Biology, 404
 Molecular Biosciences/Biotechnology
 concentration, 413
 course descriptions, 415
 Morrison Institute for Public Policy, 39
 MPF (Materials Preparation Facility), 37
 MRTS (Medieval & Renaissance Texts & Studies), 36
 MSEML (Materials Science Electron Microscopy Laboratory), 37
 MU (Memorial Union), 45
 MUAB (MU Activities Board), 45
 Multicultural Advancement Program (MAP), 44
 Multicultural Education program area
 course descriptions, 188

Music. *See also* Music, School of.
 course descriptions, 287, 292
 student activities, 46
 Music, School of, 279. *See also* specific degree programs and courses.
 admission to, 280
 degree programs of, 280
 graduate programs in, 287
 instrument rental fee, 48
 library of, 29
 Music Education major, 280
 Music Therapy major, 285
 Performance major, 282
 private instruction fee, 48
 special programs of, 263
 Theory and Composition major, 286
 Music (B.A., B.M.), 280
 Music Education
 course descriptions, 288
 major in, 280
 Music History/Literature course descriptions, 287
 Music Theatre, 30
 concentration in, 283
 Music Theory and Composition
 course descriptions, 287
 major, 286
 Music Therapy major, 285

N

National Food and Agricultural Policy Project, 544
 National Scholarship Advisement, Office of, 316
 Native Americans
 American Indian Justice Studies Certificate Program, 458
 American Indian Studies Program, 447
 Indian Education Center, 34
 Indian Legal Program, 320
 Journal of American Indian Education, 34
 Labriola National American Indian Data Center, 28
 residency classification policy for, 50
 Natural Sciences in General Studies requirements, 87
 NCLEX-RN requirements, 435
 Nelson Fine Arts Center, 30
 New Partnership in Baccalaureate Education, 549
 1907 Gallery, 29
 Noble Science and Engineering Library, 29
 Nonprofit Leadership and Management Program, 447, 463
 certificate in, 255
 Normal School of Arizona, 26
 Northlight Gallery, 3
 Norwegian course descriptions, 390

- Notification of admission, 61
 Numeracy in General Studies requirements, 86
 Nursing, College of, 433
 academic membership of, 23
 academic standards of, 437
 accreditation of, 21
 admission to, 434
 course descriptions, 439
 degree programs of, 435
 fees for, 437
 organization of, 434
 Professional Nursing Program
 admission to, 434
 Nursing (B.S.N., M.S.), 435, 436
 Nursing Students for Ethnic and Cultural Diversity, 438
 Nutrition emphasis, 364
- O**
- OASIS, 542
 Office of University Evaluation, 32
 Office of Youth Preparation and Project PRIME, 258
 Omnibus courses, 58
 Operations and Production Management courses, 170
 Operations Management Technology concentration,
 563
 Orchestral Instrument concentration, 284
 Organ Hall, 30
- P**
- Painting
 concentration, 268
 course descriptions, 273
 Parent Loan for Undergraduate Students (PLUS), 53
 Parking fees, 48
 Pass/fail enrollment, 75
 in Liberal Arts and Sciences, College of, 328
 Paul V. Galvin Playhouse, 29
 Payments, tuition, 48
 Pell Grant, 52
 Performance
 Dance concentration, 277
 Music concentrations, 282
 course descriptions, 289
 Theatre concentration
 course descriptions, 298
 Performing arts facilities, 29
 Perkins Loan, 53
 Personally identifiable information, 80
 Petition for variance, 83
 Philosophy, Department of, 404
 Philosophy (B.A.), 404
 course descriptions, 405
 Photographic Studies concentration, 265
 Photography
 concentration, 268
 course descriptions, 273
 Physical Geography course descriptions, 370
 Physical Sciences course descriptions, 409
 Physics and Astronomy, Department of, 406
 Physics (B.S.), 406
 course descriptions, 409
 Piano Accompanying concentration, 284
 Planning and Landscape Architecture, School of, 137
 admission to, 139
 degree programs of, 138
 portfolio requirements for, 139
 Plant Biology
 course descriptions, 414
 Department of, 412
 PLUS (Parent Loan for Undergraduate Students), 53
 Political Science
 course descriptions, 417
 Department of, 416
 Political Science (B.A., BS), 416
 Polymers and Composites Engineering emphasis, 218
 Portuguese course descriptions, 390
 Post-Master's Family Nurse Practitioner certificate,
 255
 Prelaw studies, 155
 Premedical studies
 and Biomedical Engineering emphasis, 212, 215
 and Engineering Special Studies (B.S.E.), 252
 Preparing Future Faculty Program, 301
 Prerequisite, definition of, 59
 Preveterinary Medicine concentration, 545
 PRIME (Project to Improve Minority Education), 258
 Printmaking
 concentration, 269
 course descriptions, 274
 Prism Theatre, 30
 Probation, academic, 78, 79
 Process Engineering emphasis, 212
 Professional Development, Center for, 196
 Professional Field Experiences, Office of, 177
 Professional Nursing Program. *See* Nursing, College
 of.
 Professional Officer courses, 333. *See also* ROTC
 studies.
 Professional Teacher Preparation Program (PTPP),
 177. *See also* Education (B.A.E.).
 academic standards for, 183
 admission to, 178
 Art Education (B.F.A.), 266
 field experience requirements, 183

- programs of study in, 181
 - Theatre Education (B.F.A.), 295
 - Program of study requirements, 83. *See also* specific degree programs and courses.
 - Program(s)
 - Academic Access, 153
 - Advanced Public Executive Program, 258
 - African American Studies, 335
 - American English and Culture Program (AECP), 257
 - American Humanics Program, 463
 - American Indian Studies, 448
 - Asian Pacific American Studies, 448
 - Asian Studies, 153
 - assessment of, 32
 - ASU 3+2, 201
 - for children, 41
 - Cocurricular Programs and Service, 42
 - cooperative, 73
 - of Engineering and Applied Sciences, College of, 201
 - Extended Campus programs, 258
 - Hispanic Mother Daughter Program, 43
 - of Honors College, 316
 - Indian Legal Program, 320
 - International, 472
 - Joint Urban Design Program, 258
 - of Law, College of, 320
 - Minority Engineering, 201
 - Multicultural Advancement Program (MAP), 44
 - Nonprofit Leadership and Management, 447
 - of Nursing, College of, 437
 - Preparing Future Faculty, 301
 - of Public Programs, College of, 447
 - research
 - of Graduate College, 303
 - Small Business Program, 173
 - Student Leadership Program, 41
 - Traveling Scholar, 73
 - Upward Bound, 43
 - Washington Semester, 331
 - Women in Applied Sciences and Engineering, 201
 - Project 1000, 38
 - Propulsion emphasis, 246
 - Psychology
 - course descriptions, 421
 - Department of, 420
 - Psychology (B.A., B.S.), 420
 - Psychology in Education, Division of, 193
 - PTPP. *See* Professional Teacher Preparation Program (PTPP).
 - Public Administration (D.P.A.), 303
 - Public Affairs
 - course descriptions, 461
 - School of, 461
 - Public Programs, College of, 443. *See also* specific degree programs and courses.
 - academic membership of, 23, 24
 - academic standards of, 447
 - admission to, 444
 - advising for, 444
 - Communication, Department of, 448
 - degree programs of, 445, 446
 - through Extended Education, College of, 254
 - graduation requirements, 445
 - Journalism and Telecommunication, Walter Cronkite School of, 453
 - Justice Studies, School of, 457
 - Morrison Institute for Public Policy, 39
 - organization of, 444
 - Public Affairs, School of, 461
 - Recreation Management and Tourism, Department of, 462
 - Social Work, School of, 465
 - special programs of, 447
- ## Q
- Quality Analysis certificate, 154
 - Quantitative Business Analysis
 - course descriptions, 161, 171
- ## R
- Reading and School Library Science program area, 189
 - Reading Education course descriptions, 189
 - Readmission, 71
 - to Graduate College, 307
 - Real Estate (B.S.), 174
 - course descriptions, 175
 - Recital Hall, 30
 - Records, 79
 - access to, 80
 - holds on, 77
 - Recreation (B.S.), 463
 - course descriptions, 464
 - Recreation Management and Tourism, Department of, 462
 - Recreational sports, 45
 - at ASU East, 543
 - Refugees, residency classification policy, 50
 - Refunds, 49
 - Regents' Professors, 532
 - Registered Nurse (R.N.)
 - admission to Nursing, College of, 434

- Registration, 40, 72
 continuing, 58
 fees for, 72
 late fee for, 47
 Reinstatement, 78
 Religious accommodations, 1, 46
 Religious Studies
 course descriptions, 424
 Department of, 423
 Religious Studies (B.A.), 423
 Remedial enrollment, 75
 Reports. *See also* Grades; Records.
 ASU Report Card, 32
 midterm, 77
 Research in Engineering and Applied Sciences,
 Center for, 35
 Research Park, 28
 Research Support Group, 32
 Residence halls. *See* Residential Life.
 Residency classification, 61
 procedures and policies regarding, 50
 Resident credit requirements, 81
 Residential Life, 41
 at ASU East, 543
 housing fees, 48
 programming, 42
 Resource Management concentration, 545
 Resource Team Specialist concentration, 546
 Restricted withdrawal, 75
 Retention, 77
 ROTC studies
 in Engineering and Applied Sciences, College of,
 202
 in Liberal Arts and Sciences, College of
 Air Force, 333
 Army, 402
 in Nursing, College of, 439
 in Technology and Applied Sciences, College of, 552
 Russian and East European Studies
 certificate in, 332
 with History major, 374
 with languages major, 383
 with Religious Studies major, 424
 Russian (B.A.), 381
 course descriptions, 390
- S**
- SAM (Social and Academic Mentor Program), 304
 SAT scores, 70
 Satisfactory academic progress, 78
 Satisfactory grade, 74
 Scandinavian course descriptions, 391
 Scandinavian Studies
 certificate in, 332
 with languages major, 383
Schedule of Classes, 72
 Scholarship(s), 52
 for Air Force ROTC, 334
 for Army ROTC, 403
 for Technology and Applied Sciences, College of,
 552
 School Library Science course descriptions, 189
 Science, History and Philosophy of
 course descriptions, 405
 Science and Engineering of Materials (Ph.D.), 303
 Sculpture
 concentration, 269
 course descriptions, 274
 Secondary Education program area
 course descriptions, 190
 programs of study, 182
 specializations
 biological sciences, 343
 chemistry, 348
 communication, 449
 economics, 354
 English, 355
 family resources and human development, 364
 foreign languages, 383
 geography, 368
 history, 374
 journalism, 454
 mathematics, 395, 398
 physical education, 360
 physics, 408
 political science, 417
 psychology, 421
 social studies, 338, 426
 theatre, 297
 Secondary Ion Mass Spectrometry (SIMS) laboratory,
 37
 Seidman Research Institute, 32
 Semiconductor Processing emphasis, 213
 Semiconductor Technology concentration, 559
 Service Learning Project, 42, 113. *See also*
 Internships.
 Services Marketing and Management, Center for
 (SMM), 33
 Sierra Ancha Research Station, 39
 Sigma Theta Tau, 438
 SIMS (Secondary Ion Mass Spectrometry Laboratory),
 37
 Small Business and Entrepreneurship
 certificate in, 173
 management of, 167

- SMM (Services Marketing and Management, Center for), 33
- SNA (Student Nurses' Association), 438
- Social and Academic Mentor Program (SAM), 304
- Social Sciences
 in General Studies requirements, 86
 in Secondary Education program area, 338, 426
- Social Work
 course descriptions, 470
 School of
 academic standards, 469
 accreditation of, 21
 admission to, 466
 degree programs of, 468
 Extended Education College and, 254
 organization of, 465
 Tucson component, 470
- Social Work (B.S.W.), 468
- Society, Values, and Technology course descriptions, 210
- Sociology
 course descriptions, 427
 Department of, 426
- Sociology (B.A.), 426
- Software Technology Applications concentration, 559
- Solid-State Electronics research center, 35
- Sororities and fraternities, 42
- Southeast Asian Studies
 certificate in, 332
 with Geography major, 367
 with History major, 374
 with languages major, 383
 with Religious Studies major, 424
- Spanish (B.A.), 382
 certificate in translation, 384
 course descriptions, 391
- Special Education major
 course descriptions, 190
 programs of study, 182
- Speech and Hearing Science (B.S.), 428
 course descriptions, 429
- Speech and Hearing Science (Ph.D.), 303
- Sports. *See also* Intercollegiate Athletics.
 recreational, 45
 at ASU East, 543
- State Press*, 44
- Statistics and Probability
 course descriptions, 399
 as Mathematics option, 395
- Statistics (M.S.), 303
- Stress Analysis emphasis, 248
- String concentration, 281
- Structural Engineering emphasis, 223
 degree requirements, 225
- Student Academic Services in Engineering, 201
- Student Affairs, Office of, 177
- Student Code of Conduct*, 60
- Student Development, 41
- Student Health, 44
 at ASU East, 543
- Student Leadership Program, 41
- Student Life, 43
- Student Media, 44
- Student Nurses' Association (SNA), 438
- Student Organization Resource Center, 41
- Student Recreation Complex (SRC), 45
 fee for, 47
- Student services, 60
 at ASU East, 542
 departments, 40
 Admissions, 40
 Arizona Prevention Resource Center, 45
 Associated Students of Arizona State University (ASASU), 45
 Career Services, 45
 Counseling and Consultation, 43
 Educational Development, 42
 Financial Assistance, 40
 Intercollegiate Athletics, 46
 Memorial Union, 45
 programming, 42
 religious activities, 46
 Residential Life, 41
 Student Development, 41
 Student Health, 44
 Student Life, 43
 Student Media, 44
 Student Recreation Complex, 45
 for Graduate College, 304
- Student teaching, 183
 postbaccalaureate, 184
- Studies in the Arts, Center and Institute for, 36
- Studio Art
 concentration, 265
 course descriptions, 272, 275
- Study Abroad Programs. *See* International Programs.
- Summer Bridge program, 113
- Summer sessions, 471
 course load for, 73
 fee for, 47
 refunds for, 49
- Sun Card, 48
- Sun Cities courses, 257
- Sundome Center for the Performing Arts, 30
- Supplemental Instruction (SI), 113
- Supply Chain Management

course descriptions, 175
 Department of, 173
 Supply Chain Management (B.S.), 174
 Suspension, 79
 Swedish course descriptions, 393
 Swetman, Ralph W., 26
 System Dynamics and Control emphasis, 246
 System Science and Engineering Research Center,
 35

T

Taxes
 on financial aid, 53
 scholarships and, 52
 TB testing requirements, 66
 Teacher certification. *See* Education, College of;
 Professional Teacher Preparation Program
 (PTPP); specific degree programs.
 Technical Graphics concentration, 563
 Technical Writing and Communication course
 descriptions, 549
 Technology and Applied Sciences, College of, 549
 academic standards of, 551
 accreditation of, 21, 550
 admission to, 550
 advising for, 551
 Aeronautical Management Technology, Department
 of, 552
 degree programs of, 550
 Electronics and Computer Engineering Technology,
 Department of, 556
 Information and Management Technology,
 Department of, 561
 Manufacturing and Aeronautical Engineering
 Technology, Department of, 567
 organization of, 549
 special programs of, 552
 Telecommunications
 concentration, 558
 course descriptions, 456
 Research Center, 36
 Television courses, 257
 Television Station KAET (Channel 8), 30
 Test of English as a Foreign Language (TOEFL), 66,
 257
 Testing Support Services, 44
 Test(s). *See* Examination(s).
 Thai course descriptions, 393
 Theatre
 Department of, 293
 Bachelor of Arts degree in Theatre, 293
 Bachelor of Fine Arts degree in Theatre, 295

 course descriptions, 297
 graduate programs in, 297
 special programs of, 263
 facilities for, 29
 student activities in, 46
 Theatre Education concentration, 295
 Theatre History/Theory and Criticism concentration,
 295
 Thermosciences emphasis, 248
 Theses
 binding fee for, 48, 309
 formats of, 305
 Thomas Mosher Collection, 28
 TOEFL (Test of English as a Foreign Language), 66,
 257
 Tourism concentration, 463
 Transcripts
 admission and, 61
 fees for, 47
 requests for, 77
 Transfer credits. *See* Credit(s), academic.
 Transfer General Education Core Curriculum (TGECC)
 General Studies transfer credit and, 85
 Transfer Guide Pathway (TG/XR), 85
 Translation, certificate in, 383
 Transportation and Materials Engineering, 223
 degree requirements, 225
 Transportation Systems certificate, 303
 Transportation to campus, 48
 Traveling Scholar Program, 73
 TRIO student support services, 43
 TTY access, 43
 Tuberculosis testing requirements, 66
 Tucson component of School of Social Work, 470
 Tuition, 47
 deadlines for, 49
 delinquent payments, 49
 payments for, 48
 refunds for, 49
 veterans deferred, 49

U

Undergraduate Academic Services, Division of, 113
 Undergraduate admissions, 40
 United States Patent and Trademark Depository, 29
 University
 campuses and sites of, 27
 equal opportunity/affirmative action policies of, 25
 general information about, 25
 grants, 52
 history of, 26
 libraries and collections of, 28

- organization of, 25
- scholarship programs of, 52
- University Art Museum, 29
- University Dance Laboratory, 31
- University Honors College. *See* Honors College.
- University Success courses, 113
- Unrestricted withdrawal, 75
- Upward Bound Program, 43
- Urban Horticulture
 - concentration, 413
 - course descriptions, 415
- Urban Planning (B.S.P.), 138
 - course descriptions, 146
 - programs of study, 140
- Urban Studies concentration, 368

V

- Verification guidelines for enrollment, 73
- Veterans services, 40
 - admissions standards and, 64
 - tuition payment and, 49
 - Upward Bound Program for, 43
- Veterinary medicine, 545
- Vice Provost for Research, Center for Environmental Studies, 39
- Vietnamese course descriptions, 393
- Visual Literacy Collection, 28
- Visualization Center, 32
- Voice concentration, 284

W

- Walter Cronkite School of Journalism and Telecommunication. *See* Journalism and Telecommunication, Walter Cronkite School of.
- Washington Semester Program, 331
- Waste Management and Hazardous Materials certificate program, 562
- Water Resources Engineering, 223
 - degree requirements, 225
- Western Alliance to Expand Student Opportunities, 38
- Western Interstate Commission for Higher Education (WICHE), 112
- William D. Ford Direct Student Loan, 52
- William S. Burroughs Collection, 28
- Williams Campus. *See* ASU East.
- Williams Campus Fitness Center, 543
- Withdrawal
 - from Graduate College, 307
 - types of, 75
- Women in Applied Sciences and Engineering Program, 201
- Women's Studies
 - certificate in, 333, 432
 - course descriptions, 432
 - with History major, 374
 - with Religious Studies major, 424
- Women's Studies (B.A., B.S.), 431
- Work-Study program, 53
- Writing Across the Curriculum (WAC), 114
 - course descriptions, 359
- Writing Center, 114
- Writing certificate, 355