## Index

<table>
<thead>
<tr>
<th>A</th>
<th>Admission with distinction, 34</th>
</tr>
</thead>
<tbody>
<tr>
<td>A, grade of, 45</td>
<td>Advanced placement, 36–40</td>
</tr>
<tr>
<td>Ab initio airline pilot flight management, option, 7, 226, 283</td>
<td>American Language and Culture Program, 36</td>
</tr>
<tr>
<td>Abbreviations, building, 446</td>
<td>Appeals procedure, 35</td>
</tr>
<tr>
<td>Abbreviations key, course listings, 44</td>
<td>Applicants with disabilities, 36</td>
</tr>
<tr>
<td>Course prefix, 478–479</td>
<td>Application, 31</td>
</tr>
<tr>
<td>General studies, 52</td>
<td>Arizona applicants, 34</td>
</tr>
<tr>
<td>Academic</td>
<td>Basic competency requirements, 33</td>
</tr>
<tr>
<td>Accreditation, 16–17</td>
<td>Certificate of admission, 31</td>
</tr>
<tr>
<td>Advisement, 41</td>
<td>Class standing of students, 48</td>
</tr>
<tr>
<td>Calendar, 9–13</td>
<td>Community college credits, 35</td>
</tr>
<tr>
<td>Complaints, 49</td>
<td>Domicile affidavit, 31</td>
</tr>
<tr>
<td>Definitions, 451–453</td>
<td>Early notification date, 31</td>
</tr>
<tr>
<td>Dishonesty, 49</td>
<td>Entrance examinations, 31</td>
</tr>
<tr>
<td>Good standing, 48</td>
<td>General aptitude requirements, 32</td>
</tr>
<tr>
<td>Integrity, 49</td>
<td>Graduate College, 368–370</td>
</tr>
<tr>
<td>Organization, 6</td>
<td>Immunization requirements, 31–32</td>
</tr>
<tr>
<td>Recognition, 73</td>
<td>International Programs, 379</td>
</tr>
<tr>
<td>Renewal, 41–42</td>
<td>International students, 35</td>
</tr>
<tr>
<td>Standards, 48</td>
<td>Meeting basic competencies, 48</td>
</tr>
<tr>
<td>Academic Access Program, 187</td>
<td>New freshman, 31</td>
</tr>
<tr>
<td>Academic Affairs, 434</td>
<td>Nondegree undergraduates, 34</td>
</tr>
<tr>
<td>Academic Definitions, 451–453</td>
<td>Nonresidents, 34</td>
</tr>
<tr>
<td>Academic year registration fee and nonresident tuition, 25</td>
<td>Priority application date, 31</td>
</tr>
<tr>
<td>Access to records, 49–50</td>
<td>Procedures, 31</td>
</tr>
<tr>
<td>Accountancy</td>
<td>Proficiency exams, 40–41</td>
</tr>
<tr>
<td>Concentration, 185, 377</td>
<td>Readmission, 41</td>
</tr>
<tr>
<td>Courses, 189</td>
<td>Registration procedures, 42</td>
</tr>
<tr>
<td>Major, 7, 185, 188, 366, 441</td>
<td>Requirements, 32–34</td>
</tr>
<tr>
<td>Master of, 375</td>
<td>Secondary school requirements, 32–34</td>
</tr>
<tr>
<td>Postbaccalaureate Certificate in Accountancy at ASU West, 441</td>
<td>Standards, 32</td>
</tr>
<tr>
<td>School of, 188–189</td>
<td>Summer Sessions, 378</td>
</tr>
<tr>
<td>Accreditation and affiliation, 16–17</td>
<td>TOEFL, 35–36</td>
</tr>
<tr>
<td>ACT, 31</td>
<td>Transcripts, 31</td>
</tr>
<tr>
<td>Acting, concentration, 7, 296, 297, 375</td>
<td>Transfer credit, 34</td>
</tr>
<tr>
<td>Acting, emphasis, 17, 318–319</td>
<td>Transfer students, 34–35</td>
</tr>
<tr>
<td>Activities, student, 78</td>
<td>Undergraduate, 31–36</td>
</tr>
<tr>
<td>Adding a course (drop/add), 46</td>
<td>University Honors College, 80</td>
</tr>
<tr>
<td>Administrative and Academic Personnel, 434–439</td>
<td>Veterans exception, 34–35</td>
</tr>
<tr>
<td>Administrative officers, 434</td>
<td>With distinction, 34</td>
</tr>
<tr>
<td>Administrative Services, 437</td>
<td>Adult Development and Aging Program, 21, 367</td>
</tr>
<tr>
<td>Admission, 31</td>
<td>Adult education</td>
</tr>
<tr>
<td>Academic admission requirements, 32–34</td>
<td>Concentration, 203, 375, 376</td>
</tr>
<tr>
<td>Academic services, undergraduate, 20</td>
<td>Courses, 210</td>
</tr>
<tr>
<td>Admission before graduation from high school, 33–34</td>
<td>Program, 210</td>
</tr>
<tr>
<td>Adult health nursing</td>
<td>Clinical area, 328</td>
</tr>
<tr>
<td>Concentration, 376</td>
<td>Adult Re-entry Center, 76</td>
</tr>
</tbody>
</table>
Advanced placement, 36
Advanced Public Executive Program, 350
Advertising, courses, 201
Advisement
  Graduate College, 371–372
  Undergraduate, 41
Aerodynamics, emphasis, 8, 225
Aeronautical Engineering Technology
  Concentration, 227, 376
  Major, 7, 226, 283
Aeronautical Management Technology
  Concentration, 227, 376
  Major, 7, 226, 283–284
Aeronautical Technology
  Courses, 285–286
  Department of, 282–286
  Option, 7, 226
Aerospace, emphasis, 8, 226
Aerospace Engineering, major, 8, 225–226, 272–273, 376–377
Aerospace materials, emphasis, 8, 225
Aerospace structures, emphasis, 8, 225
Aerospace Studies
  Courses, 92–93
  Department of, 92–93
  Flight Screening Program (FSP), 92
  Four-year program (GMC and POC), 92
  Scholarships, 92
  Two-year program (POC), 92
Affirmative Action Statement, 1
Agribusiness
  Concentration, 7, 225, 232
  Courses, 235–236
  Major, 7, 225–226, 232–235, 376
Agribusiness and Environmental Resources
  Core, 232
  Courses, 235–237
  Degrees, concentration, and options, 231
  Majors, 232
  School of, 231–237
Agribusiness management and marketing, concentration, 226, 376
Airway science aircraft systems management, option, 7, 226, 284
Airway science management, option, 7, 226, 284
Alumni Association, 20, 439
American Assembly of Collegiate Schools of Business, 182
American Chemical Society Certification, 100
American Council for Construction Education, 16
American Humanics Certificate Program, 349
American Language and Culture Program (ALCP), 36, 362
American politics, concentration, 86, 375, 377
American Studies Program, 441
American Studies, major, 7
Analysis and systems, courses, 244
Analytical chemistry, concentration, 85, 376, 377
Anthropology
  Courses, 93–96
  Department of, 93–96
  Major, 7, 84, 85, 375, 377
Anthropology/Justice Studies graduate program, 345
Appeals procedure, 35, 47
  Basic competencies, 48
  Graduate College, policies and procedures, 374
  Student appeal procedures on grades, 47
Application, submission of Graduate College, 369
Application for graduation, 72
Applied mathematics, option, 8, 84, 132
Aquatic, option, 8
Archaeology, concentration, 85, 375, 377
Architectural administration and management
  Courses, 168
  Instructional area, 168
Architectural communication
  Courses, 171
  Instructional area, 168
Architectural design and technology studios
  Courses, 169
  Instructional area, 168
Architectural philosophy and history
  Courses, 169–170
  Instructional area, 168
Architectural Studies, major, 8, 162, 165–168
Architectural technology
  Courses, 170–171
  Instructional area, 168
Architecture
  Courses, 168–171
  Majors, 162
  Master of, 162, 375
  School of, 164–171
Architecture and Environmental Design, College of, 160–181
  Academic standards, 162–164
  Admission, 160
  Advisement, 161
  Degree requirements, 162
  Degrees, majors, and concentrations, 162
  Foreign study, 163
  Gallery of Design, 160
  General information, 164
  General studies requirements, 162
  Graduation requirements, 162
  Majors, 162
Library, 160
Master’s degrees, 162
Organization, 160, 434
Purpose, 160
Special programs, 164
Architecture professional studies
Courses, 171
Instructional area, 168
Arizona Historical Foundation Library, 18
Arizona Prevention Resource Center, 362–363
Arizona resident, requirements for, 28–29
Arizona State Grant, 30
Arizona Trust Fund, 30
Art
Courses, 302–307
Major, 7, 296, 300–302, 375
School of, 300–307
Art auxiliary, courses, 307
Art education
Concentration, 7, 204, 296, 300–301, 375–376
Courses, 305
Art history
Courses, 305–307
Concentration, 7, 296, 300, 375
Asian history, concentration, 86, 118, 375, 377
Asian Languages (Chinese/Japanese), major, 7, 84, 123
Asian studies
Concentration, 8
Emphasis, 7, 8, 84. See also specific department for study emphasis.
Program, 21, 90, 123
Associated Students of Arizona State University (ASASU), 77
Astronomy
Courses, 144–145
Emphasis, 8, 84, 142
ASU 2+2 programs, 238
ASU 3+2 programs, 230, 238
ASU Research Park, 17
ASU Sun Cities, 17–18
ASU West, 18, 440–443
Administration, 440
Administrative and academic directory, 443
Degree programs, 377, 441
Athletics, intercollegiate, 78
Attendance, 42
Audit enrollment, 45
Awareness area requirements for general studies, 51–52
Cultural, 51–52
Global, 52
Historical, 52
B
B, grade of, 45
Bachelor’s degrees
Degrees offered, 7–8
Of Arts, 7. See also area of specialization.
Of Arts in Education, 7, 203, 204, 210
Of Fine Arts, 7, 297, 300–302, 308, 319
Of Music, 7, 297, 311–313
Of Science, 7–8. See also area of specialization.
Of Science in Design, 8, 162, 165, 171
Of Science in Engineering, 8. See also area of specialization.
Of Science in Landscape Architecture, 8, 162, 177
Of Science in Nursing, 8, 329–330
Of Science in Planning, 8, 162, 177
Of Social Work, 8, 353–354
Second baccalaureate degree, 73
Beta Gamma Sigma, 182
Bilingual education
Concentration, 203, 204, 375, 376
Courses, 213
Bilingual education/English as a second language, concentration, 7, 203
Bioarchaeology, concentration, 85, 375
Biochemical, emphasis, 8, 84, 225
Biochemical engineering, emphasis, 8, 225
Biochemistry
Concentration, 85, 376, 377
Emphasis, 7, 84, 100
Bioelectrical engineering, emphasis, 8, 225
Bioengineering
Courses, 252–253
Major, 8, 225–226, 247–249, 376–377
Biological Sciences, 96–97
Academic specialization, 7, 203
Major, 85, 376
Biology
Courses, 97
Major, 7, 84
Biomaterials engineering, emphasis, 8, 225
Biomechanical, emphasis, 8, 226
Biomechanical engineering, emphasis, 8, 225
Biomechanics, concentration, 85, 377
Biomedical, emphasis, 8, 225, 246
Biomedical and clinical engineering, concentration, 226, 376, 377
Bionuclear engineering, emphasis, 8, 225
Biosystems engineering, emphasis, 8, 225
Board of Regents, Arizona, 434
INDEX 457

Botany
Concentration, 84, 86, 98, 375
Courses, 98–100
Department of, 98–100
Major, 7, 84–85, 98–100, 376, 377
British history, concentration, 86, 375, 377
Broadcast journalism, emphasis, 7, 8, 336
Broadcasting, major, 7, 336, 343
Buckley Amendment, 49–50
Budgets, 28
Building Abbreviations, 446
Building Design
Concentration, 162, 375
Major, 162, 376
Building energy performance, concentration, 162, 376
Business, College of, 182–201
Academic access program, 187
Academic organization, 434
Academic standards, 187
Admission, 182
Advisement, 183–184
Asian studies, 187
Bachelor of Science degree, 184, 185–188
Core requirements, 186
Courses, 189–202
Degrees, majors, and concentrations, 185
Doctoral degrees, 185
General studies requirements, 186
Graduation requirements, 185–186
Honors program, 187
International business studies, 198
Latin American studies, 187
Master’s degrees, 184–185
Prelaw studies, 187–188
Quality Analysis, Certificate in, 192
Research centers, 188
Special programs, 187
Business, office, and distributive education, academic specialization, 7, 203
Business Administration
Courses, 191
Department of, 190–191
Major, 190, 377
Master of, 185
Business education
Concentration, 203, 375, 376
Courses, 211
Business law, courses, 190
Business/management, emphasis, 7, 8, 336

C
C, grade of, 45
Calendar, University, 9–13
Camp Tontozona, 18
Campus communities, 22–23
Campus Maps
ASU West, 442
Main, 444–445
Campuses and sites, 17–18
Candidacy for degrees
Graduate, 371–374
Undergraduate, 73
Career Services, 77
Catalog, graduation under original enrollment, 72
Centers
Academic Precocity, 202
Advanced Purchasing Studies, 188
Advanced Transportation Systems Research, 222
Aerospace Research, 222
Agribusiness Policy Studies, 222
Arizona Real Estate, 188
Asian Studies, 84, 85, 90, 91
Bilingual/Bicultural Education, 202
Business Research, 188
Cancer Research Institute, 91
Computer-Integrated Manufacturing Systems Research (CIMS), 222
Consortium for Atlantic Studies, 21
Counselor Training, 202
Division of Information, Management & Systems Technology, 188
Downtown, 363
Economic Outlook, 188
Energy Systems Research, 222
Environmental Studies, 21
Financial Systems Research, 188
First Interstate Center for Services Marketing, 188
Herberger Center for Design Excellence, 160
Hispanic Research, 92
Indian Education, 203
Joan and David Lincoln Center for Ethics, 188
Latin American Studies, 91, 92. See also specific department for study emphasis.
LifeLong Learning, 363
Medieval and Renaissance Studies, 19, 91
Meteorite Studies, 92
National Science Foundation Center, 188
Professional Development, 222
Solid State Electronics Research, 222
Solid State Science, 92
Study of Law, Science and Technology, 306–307
Systems Science and Engineering Research, 222
Telecommunications Research, 222
Ceramics
Concentration, 7, 296, 301, 375
Courses, 304
Certificate in International Business Studies, 198
Certificate programs and areas of emphasis,
College of Liberal Arts and Sciences, 90–91
Asian Studies, 90
Health Physics, 90
Jewish Studies, 90–91
Latin American Studies, 91
Museum Studies, 91
Russian and East European Studies, 91
Southeast Asian Studies, 91
Women’s Studies, 91
Certification for post-baccalaureate teaching, 209
Certification for teaching in Arizona, 209
Charges, fees, 25–26, 27
Charles Trumbull Hayden Library, 18
Checklist for New Students, 450
Chemical, Bio and Materials Engineering,
Department of, 245–254
Courses, 250–254
Chemical Engineering
Courses, 250–252
Major, 8, 225–226, 245–246, 376, 377
Chemical process engineering, concentration, 226, 376, 377
Chemical processing and energy systems,
emphasis, 8, 225
Chemical reactor engineering, concentration, 226, 376, 377
Chemistry
Academic specialization, 7, 203
Concentration, 86, 375
Courses, 101–103
Major, 7, 84–85, 100, 376, 377
Chemistry and Biochemistry, Department of,
100–103
Child care resources, 75
Child development
Concentration, 203, 375, 376
Courses, 110
Chinese
Academic specialization, 7, 203
Courses, 125
Major teaching field, 123
Choral Music
Concentration, 296, 375
Major, 296, 375, 376
Choral/General Music, major, 7, 296, 311
Civil Engineering
Courses, 256–258
Department of, 255–258
Major, 8, 225–226, 255–256, 376, 377
Class schedule (Schedule of Classes), 42, 450
Class standing of students, 48
Classification of courses, 43–45
Corequisites, 44
Course information, 43
Course numbering system, 43
First-year seminar, 44
Honors, 44
Independent study, 44
International program, 44
Internship, 44
Law, 44
Omnibus, 44
Prerequisites, 44
Pro-seminar, 44
Special topics, 44
Undergraduate academic services, 45
Writing across the curriculum, 45
Classification of secondary school subjects, 33
Climate responsive architecture, concentration, 162, 376
Climatology, Office of, 113
Clinical Laboratory Sciences, major, 7, 84, 136
Clinical laboratory sciences/medical technology,
courses, 137
Clinical psychology, concentration, 86, 377
Code of Conduct, Student, 24
College, list, 6
Architecture and Environmental Design,
160–181
Business, 182–201
Education, 202–221
Engineering and Applied Sciences, 222–294
Extended Education, 362–365
Fine Arts, 295–322
Graduate, 366–377
Law, 323–327
Liberal Arts and Sciences, 82–159
Nursing, 328–334
Public Programs, 335–352
Social Work, School of, 353–361
University Honors, 79–81
College Level Examination Program (CLEP)
General examinations, 38
Subject examinations, 38–39
Communication
  Academic specialization, 7, 203
  Communication internships, 340
  Courses, 340–342
  Degree requirements, 340
  Department of, 339–342
  Interdisciplinary doctoral degree, 340
  Major, 7, 336, 375, 377
Communication arts, concentration, 203, 375, 376
Communication development, concentration, 336, 377
Communication Disorders
  Concentration, 86, 375
  Major, 85, 376
Communication Studies, major, 7
Communicative development, concentration, 377
Community college credits, 35
Community health nursing
  Clinical area, 328
  Concentration, 376
Community health services, 331
Community mental health/psychiatric nursing, concentration, 376
Comparative literature, concentration
  English, 85, 104, 375
  French, 85, 375
  German, 86, 375
  Spanish, 86, 375
Comparative politics, concentration, 86, 375, 377
Composition
  Concentration, 7, 296, 313
  Major, 296, 375
Composition requirement, 71
Comprehensive examinations, 36, 39–40
Computational mathematics, option, 8, 84, 132
Computer analysis, concentration, 7, 225
Computer engineering technology, courses, 288–289
Computer graphics, interactive, option, 291
Computer Information Systems
  Courses, 192–193
  Major, 7, 185, 192
Computer methods, emphasis, 8, 225, 226
Computer Science, 103
  Major, 7, 84, 225, 227, 258–259, 375–377
  Master of, 375
Computer Science and Engineering
  Courses, 261–263
  Department of, 258–263
  Major, 259–261
  Computer systems, option, 8, 226
  Computer Systems Engineering, major, 8, 225, 260–261
  Computer-aided design, concentration, 162, 376
  Computer-aided processes, concentration, 227, 376, 377
  Computer-based education, courses. See Business Education.
  Computer-integrated manufacturing, concentration, 227, 376, 377
  Computer-integrated manufacturing engineering technology, emphasis, 8, 226, 290
Computing Commons, 20
Computing Commons Gallery, 18
Computing facilities and services, 19–20
Concurrent degrees, 73
Concurrent enrollment, 39
Conditional readmission, 41
Conduct of students, 24
Consortium for Atlantic Studies, 21
Consortium for Instructional Innovation, 21
Construction
  Core courses, 238–239
  Courses, 239–240
  Del E. Webb School of, 237–240
  Emphasis, 8, 225, 255
  Major, 8, 225–226, 237–238, 376
  Option, 138
  Construction science, concentration, 226, 376
  Contents, 4–5
Continuing Education. See Extended Education, College of.
Control and dynamic systems, emphasis, 8, 226
Cooperative Education, 43
Core area requirements for general studies, 50–51
  Humanities and fine arts, 51
  Literacy and critical inquiry, 50–51
  Natural sciences, 51
  Numeracy, 51
  Social and behavioral sciences, 51
 Correspondence courses, 364
  USAFI, 78
Council for Design Excellence, 164
Counseling, Master of, 203, 375
Counseling and Consultation, students, 76
  Minority Assistance Program (MAP), 76
  Counseling and student personnel, concentration, 203, 375
Counseling Psychology
  Courses, 219
  Major, 203, 377
  Program area, 218
Counselor Education
  Courses, 219
  Major, 203, 375, 376
  Program area, 218
Definitions of student records
Eligible student, 49
Record, 49
Degree programs
Bachelor’s. See specific college, school, or department.
Doctor’s, 376–377. See also specific college, school, or department.
List of, 7–8
Master’s, 375–377. See also specific college, school, or department.
Preprofessional, 83
Second baccalaureate degree, 73
Degree requirements, 71–73
Application for graduation, 72
Credit, 71
First-year composition, 71
Grade point, 71
Guidelines for determination of catalog year, 72
Petition for waiver of degree, 72
Program of study, 72
Resident credit, 72
Degree requirements for the College of Liberal Arts and Sciences
Course load, 87
Credit, 87
Foreign language, 87
Delinquent financial obligations, 27–28
Dentistry, preprofessional program, 83
Departments of instruction, 6
Deposits, 25–26
Design
Courses, 175–176
Emphasis, 8, 225, 226
Major, 8, 161–162, 171
Master of Science in, 376
School of, 171–176
Design and theatre technology, emphasis, 319
Design methodology, theory, and criticism, concentration, 162, 376
Design Science, major, 162
Design/technical theatre, concentration, 7, 296, 319
Developmental neurolinguistic disorders, concentration, 86, 377
Developmental psychology, concentration, 86, 377
Directing, concentration, 7, 296, 319
Directory information, 49, 447–449
Disabled applicants, admission of, 36
Disabled Student Resources, 75
Dispute resolution, concentration, 336, 377
Disqualification, 49

Counselor Training Center, 202, 204
Course listing codes, 44
Course loads, 42
Course Prefix Index, 478–479
Courses
Classification of, 43–45
Key to course listing codes, 44
Repeating, 47
Creative Writing, M.F.A., 85, 296, 367, 375
Credit enrollment, 42
Community colleges, 35
Requirements, graduation for seniors, 71
Transfer of, 34
Criminal and juvenile justice, concentration, 336, 377
Cultural geography, courses, 114
Curriculum, concentration, 203, 375, 376
Curriculum advisement, 41. See also Academic advisement.
Curriculum and Instruction
Concentration, 204, 210, 376
Courses, 210–216
Division of, 210–216
Interdisciplinary Doctoral Degree, 367, 368
Major, 203, 210, 377
Curriculum studies, concentration, 203, 377

D
D. grade of, 45
Dance
Courses, 309–311
Department of, 308–310
Major, 7, 296, 375
Dance education, concentration, 7, 296
Dance history, courses, 308
Dance Laboratory, 19
Dance Studio Theatre, 18
Daniel E. Noble Science and Engineering Library, 18
Deadlines, payment, 26–27
Dean’s list, 47
Deans, Colleges and Schools, 434–437
Decal, parking, 26
Decision and Information Systems
Concentration, 185, 377
Courses, 192–194
Department of, 192–194
Major, 184, 185, 192, 376
Defense Activity for Non-Traditional Education Support (DANTES), 77
U.S. Armed Forces Institute correspondence courses, 78
Dissertation, 373–374
Distance Learning Technology, 364
Distinction
Admission with, 34
Graduation with academic recognition, 73
Divisions, College of Education
Curriculum and Instruction, 210–218
Educational Leadership and Policy Studies, 217–218
Psychology in Education, 218–221
Doctoral degrees
General list, 376–377
Juris Doctor, 323
Of Education, 202–203, 376
Of Musical Arts, 297, 313
Of Philosophy, 377. See specific college, school, or department.
Of Public Administration, 350, 368, 377
Domicile affidavit, 31
Downtown Center, 18, 363–364
Drama City, 18
Drawing
Concentration, 7, 296, 301, 375
Courses, 302
Drop/add, 46

E

E, grade of, 45
Early Childhood Education
Concentration, 7, 203, 375, 376, 377
Courses, 210–211
Major, 203
Early notification date, 31
Ecology, concentration, 86, 376, 377
Economics
Academic specialization, 7, 203
Courses, 194–195
Department of, 103, 194–195
Major, 7–8, 84, 103, 185, 194–195, 376–377
Education
Academic organization, 435
Academic standards, 208–209
Admission, 205
Advisement, 205
Areas of specialization, 206
Bachelor of Arts in, 7, 203, 204
Certification requirements, 209
College of, 202–221
Core courses, 209
Course work requirements, 206–208
Degrees, majors, and concentrations, 203–204, 375
Doctor of, 203–204, 376
Doctor of Philosophy degree, 203–204
Educational Services, Office of, 202
Graduation requirements, 208
Master of, 203–204, 375
Master of Arts degree, 203–204
Organization, 202, 204–205
Post-baccalaureate certification, 208
Professional Field Experiences, Office of, 202
Selected studies in, 209
Educational Administration and Supervision
Courses, 217–218
Major, 203, 375, 376
Program area, 217
Educational Development, 75
Disabled Student Resources, 75
Educational Opportunity Center, 75
Upward Bound Program, 75
Veterans Upward Bound, 75
Educational Leadership and Policy Studies
Courses, 217–218
Division of, 217–218
Major, 203, 377
Educational Media and Computers
Concentration, 203, 377
Courses, 211–212
Major, 203, 375
Program area, 211
Educational Opportunity Center, 75
Educational policy studies
Courses, 218
Program area, 217
Educational Psychology
Courses, 219–220
Major, 203, 218, 375, 377
Educational Services, Office of, College of Education, 202
Electrical Engineering
Courses, 265–267
Department of, 263–267
Major, 8, 225, 227, 263–265
Electronic materials, emphasis, 8, 225
Electronic systems, option, 8, 226
Electronics and Computer Technology,
Department of, 286–289
Courses, 287–288
Electronics Engineering Technology
Concentration, 227, 376
Courses, 287–288
Major, 8, 226, 286–287
Elementary Education
Concentration, 203, 377
Courses, 212–213
Major, 7, 203, 210, 375–377
Program area, 212
Employment, 30
Federal work-study, 30
Part-time off-campus, 30
University hourly, 30
Energy and materials conversion, concentration, 226, 376, 377
Energy Studies, 21
Energy systems, emphasis, 8, 226
Engineering
Core courses, 244–245
Degree requirements, 228, 243–244
Majors, 225–227
Master of Science in, 376
School of, 241–245
Special Studies, 277–280
Engineering and Applied Sciences, College of, 222–294
Academic organization, 435–436
Academic standards, 229
Admission, 223–224
Advisement, 224
ASU 3+2 programs, 230
Bachelor of Science degree, 225–226
Courses, 235–295
Degree requirements, 228
Doctoral degree, 228
Engineering core courses, 244–245
General studies requirements, 228–229
Integrated BSE-MS program, 224
Master of Science degree, 228
Master of Technology, 228
Pre-professional status, 223
ROTC students, 230
Special programs, 229–230
Engineering Interdisciplinary Studies, major, 8, 225, 280
Engineering mathematics, area, 278
Engineering mechanics
Emphasis, 8, 226
Option, 8, 225
Engineering Science, major, 227, 376, 377
Engineering Special Studies, major, 8, 225, 278–280
Engineering technology core, courses, 282
English
Academic specialization, 7, 203
Courses, 104–107
Department of, 104–107
Major, 7, 84–85, 104, 375, 377
Proficiency requirements, 33
English as a Second Language (ESL)
Concentration, 204, 205, 375
Master of Teaching, 86, 376
English education, concentration, 203, 377
English linguistics, concentration, 85, 104, 375
English placement, 40
Enrollment
Changes in, 45–46
Concurrent, 42
High-ranking high school seniors, 33–34
Types of, 45–46
Verification guidelines, 43
Entrance examinations priority deadline, 31
Entrance requirements, 31–36
Environmental, emphasis, 8, 225
Environmental analysis and programming
Courses, 169
Instructional area, 168
Environmental control, concentration, 226, 376, 377
Environmental engineering, emphasis, 8, 225
Environmental Planning
Major, 162, 177, 375
Master of, 162, 375
Environmental psychology, concentration, 86, 377
Environmental Resources in Agriculture
Courses, 236
Major, 8, 225–226, 234–235, 376
Environmental Studies, 21
Environmental/sanitary, concentration, 226, 376, 377
Equal Opportunity and Affirmative Action
Statement, 15
European history, concentration, 86, 375, 377
Examinations, advanced placement and credit, 36–40
Exercise and sport studies, concentration, 8, 84, 107
Exercise and wellness, concentration, 8, 84, 107
Exercise and wellness education, concentration, 203, 377
Exercise Science
Interdisciplinary Doctor of Philosophy degree program, 367, 368, 377
Major, 85, 377
Exercise Science and Physical Education
Concentration, 107
Courses, 108–109
Department of, 107–109
Minor, 107
Exercise Science/Physical Education, major, 8, 84, 85, 376
Expenses and fees, 25–27
Experimental psychology, concentration, 86, 377
Expulsion, 49
Extended Education
  Academic organization, 436
  Administrators, 436
  College of, 362–365

Family Resources and Human Development
  Academic specialization, 7, 203
  Courses, 110–113
  Department of, 109–113
  Major, 7–8, 84–85, 109, 376
Family studies
  Concentration, 85, 376
  Courses, 111
Family studies/child development, concentration, 7, 8, 84, 110
Finance
  Concentration, 185, 377
  Courses, 196
  Department of, 195–196
  Major, 8, 185, 195–196
Financial aid, 29–30
Fine Arts
  Academic organization, 436
  Admission, 295
  Advisement, 295

Foreign language
  Department of. See also Languages and Literatures, Department of.
  Placement, 40
  Requirement, 87, 124
  Requirement, Graduate College, 373
Foreign service, preprofessional program, 83
Foreign students. See International students.
Forensics, 78
Forfeiture of refunds, 27
Fraternities and sororities, 75
French
  Academic specialization, 7, 203
  Courses, 126
  Major, 7, 84, 85, 375
Freshmen, admission, 31–32
Full-Time, 43

Galvin Playhouse, 19
Gammage Memorial Auditorium, 19
General administration officers, 435
General agribusiness, option, 232–233
General bioengineering, emphasis, 279
General building construction, option, 8, 225
General dietetics, option, 109
General examinations, 40–41
General family resources and human development, concentration, 85, 376
General mathematics, option, 8, 84, 132
General Military Course (GMC), ROTC, 92

INDEX 463
General Music  
Concentration, 296, 375  
Major, 296, 376  

General studies  
Awareness areas, 50–52  
Core areas, 50–51  
Courses, 53–71  
Requirement, 50–52. See also specific college, school, or department.  

Geochemistry, concentration, 85, 376, 377  

Geography  
Academic specialization, 7, 203  
Asian studies, emphasis, 7, 113  
Courses, 114–115  
Department of, 113–115  
Latin American studies, emphasis, 7, 113  
Major, 7–8, 84–85, 375, 377  

Geological engineering, option, 8, 225  

Geology  
Concentration, 86, 375  
Courses, 116–117  
Department of, 115–117  
Major, 8, 84–85, 376, 377  

Geotechnical engineering, emphasis, 8, 225, 278, 280  

Geotechnical/soil mechanics, concentration, 226, 376, 377  

German  
Academic specialization, 7, 203  
Courses, 126–127  
Major, 7, 84, 86, 375  

Gerontology  
Certificate Program, 21, 367  
Courses, 367  

Gifted, concentration, 204, 375  

Global awareness, general studies, 52  

Good standing, academic, 48  

Grade  
Average required, 46  
Change of, 46–47  
Grade appeals, 47  
Grading options, 45  
Grading system, 45–48  
Incomplete, 45  
Point average, 46  
Withdraw, 46  

Grade point, degree requirement, 71  

Grades and marks, 45–46  

Grading system  
Audit enrollment, 45  
Change of grade, 46–47  
Credit enrollment, 45  

Definition of a credit unit, 45  
Demonstration of mastery, 47  
Drop/add, 46  
Final grade report, 47  
Grade point average, 46  
Grade points, 46  
Grading options, 45  
Incomplete, 45  
Instructor-initiated withdrawal, 46  
Medical withdrawal, 46  
Midterm report, 47  
Pass/fail enrollment, 45  
Records hold, 47  
Remedial enrollment, 46  
Repeating courses, 47  
Restricted withdrawal, 46  
Satisfactory, 45  
Scholarship grades and marks, 45  
Transcripts, 47–48  
University policy for student appeal procedures on grades, 47  
Unrestricted withdrawal, 46  
Withdrawal from the university, 46  

Graduate College, 366–377  
Academic organization, 437  
Degree requirements, 371–374  
Degrees, majors, and concentrations, 375–377  
Procedures, 371  

Graduate Nurse Organization, 332  

Graduation application or reapplication, 26  

Graduation fee, 26  

Graduation information  
Concurrent degrees, 73  
Graduate degrees, 73  
Second baccalaureate degree, 73  
Western Interstate Commission for Higher Education (WICHE), 73  
With academic recognition, 73  

Graduation requirements, College of Liberal Arts and Sciences, 87–89  

Grants  
Arizona State Grant, 30  
Arizona Trust Fund, 30  
Federal Pell Grant, 30  
Federal Supplemental Grant, 30  
University Grant, 30  

Graphic communications  
Courses, 291–292  
Emphasis, 8, 226, 290–291  

Graphic communications technology, concentration, 227, 376
Graphic design
Concentration, 7, 296, 301
Courses, 304
Greek, courses, 127
Guidelines for determination of catalog year, degree requirement, 72
Guitar, concentration, 7, 296

H
Half-Time, 43
Harry Wood Gallery, 19
Hayden Library, 18
Health Administration and Policy, School of, 197
Courses, 197
Health and Physical Education, Department of.
See Exercise Science and Physical Education, Department of.
Health physics
Certificate of concentration, 90
Preprofessional program, 83
Health science, courses, 108
Health Service, Student, 76
Health Services Administration
Courses, 197
Major, 185, 377
Master’s of, 185, 375
Health services research, concentration, 185, 377
Heavy construction, option, 8, 225
Hebrew, courses, 127
High school seniors, special enrollment, 33–34
Higher and Adult Education, major, 203, 375, 376
Higher education
Concentration, 203, 375, 376
Courses, 218
Program area, 217
Historical awareness, general studies, 52
History
Academic specialization, 7, 203
Courses, 118–121
Department of, 117–121
Major, 7–8, 84, 86, 117–118, 375, 377
University, 15–16
History and philosophy of science, courses, 141
History/theory and criticism, 7, 296, 319
Holidays, religious
Home economics education, courses, 112
Honors College, University, 79–81
Admission, 80
Benefits, 79–80
Courses, 81
Honors transcript recognition, 80–81
Human development, concentration, 185, 377
Human factors, concentration, 162, 376
Human factors in design, concentration, 162, 376
Human nutrition, option, 110
Human nutrition-dietetics, concentration, 7, 8, 84
Human resource management, track, 199
Humanities
Academic specialization, 7, 203
Courses, 121–122
Major, 7, 84, 86, 121, 375
Master’s program, 121
Program, 121–122
Humanities and fine arts, general studies, 51
Humanities education, courses, 215
I
I, grade of, 45
Identification cards, 26, 42
Immunization requirements, 31–32
Incomplete, mark of, 45
Independent study, 44
By correspondence, 364
Indian education
Concentration, 203, 204, 375, 376
Courses, 213
Indian Legal Program, 325
Indonesian, courses, 127
Industrial and Management Systems Engineering, Department of, 268–271
Courses, 270–271
Industrial Design
Courses, 175–176
Major, 8, 162, 171, 376
Industrial education, concentration, 376
Industrial Engineering, major, 8, 225, 227, 268–269, 376–377
Industrial management
Courses, 292–293
Emphasis, 8, 226, 291
Industrial management and supervision, concentration, 227, 376
Industrial Technology
Courses, 291
Major, 8, 226, 290–291
Information systems, concentration, 227, 376, 377
Inorganic chemistry, concentration, 85, 376, 377
Institute for Studies in the Arts, 295
Instruction Units, Chairs and Directors, 434–439
Instructional Programs, Division of, 363
Instructional technology, concentration, 203, 377
Instructional Television Fixed Service (ITFS), 364
Instrumental, concentration, 7, 296, 311
Instrumental Music, major, 7, 296, 311, 375, 376
Insurance, courses, 196
Insurance requirements
For foreign students, 35–36
For students, 76–77
Integrative Studies, major, 7
Interactive computer graphics
Courses, 293
Emphasis, 8, 226, 291
Intercollegiate Athletics, 78
Intercultural communication, concentration, 336, 377
Interdisciplinary Arts and Performance, major, 7
Interdisciplinary Committee on Curriculum and Instruction, 203
Interdisciplinary Humanities Program, 121–122
Courses, 121–122
Interdisciplinary Studies
Adult Development and Aging, 21
Asian, 21
Degrees, 84–86
Energy, 21
Environmental, 21
Film, 21–22
Islamic, 22
Linguistics, 22
Major, 7, 8, 84
Medieval and Renaissance, 22
Southeast Asian, 22
Women’s, 22
Interdisciplinary/intercollegiate programs, graduate, 366–358
Interior Design
Courses, 175–176
Major, 8, 162, 171, 376
Intermedia
Concentration, 7, 296, 301, 375
Courses, 303
International agribusiness, option, 233
International Baccalaureate Diploma/Certificate, 36
International Business Studies
Certificate, 198
Courses, 198
International Programs, 379
Area studies, 379
Courses, 44
International relations, concentration, 86, 375, 377
International students, 35–36, 369–370
Admission, 35
Insurance, 35–36
Interpreters Theatre, 78
InTouch, 26
Intramural sports, 78
Islamic Studies, 22
Italian
Courses, 128
Major, 7, 84
ITFS, 364

J
J. Russell and Bonita Nelson Fine Arts Center, 19
Japanese
Academic specialization, 7, 203
Courses, 128
Major teaching field, 123
Jazz, concentration, 7, 296, 311–312
Jewish studies program, 90–91
Concentration, 90–91
Jobs, student, 30
Joint Urban Design Studio, 363
Journalism
Academic specialization, 7, 203
Courses, 344
Major, 7, 336, 343
Journalism and Telecommunication, Walter Cronkite School of, 342–345
Courses, 343–345
Degrees, 343
Juris Doctor degree, 323, 377
Justice Studies
Concurrent M.A. in Anthropology and M.S. in Justice Studies, 345
Courses, 346–348
Degree requirements, 346
Interdisciplinary Doctor of Philosophy degree program, 336
Major, 8, 336, 345, 376, 377
Master of Science degree program, 336, 345
School of, 345–348

K
KAET–TV PBS affiliate, 19
Community Advisory Board, 439
Katzin Concert Hall, 19
Kerr Cultural Center, 19

Key
Course listing codes, 44
Course prefix abbreviations, 478–479
General studies credit abbreviations, 52
Keyboard, concentration, 7, 296, 312

L

Landscape Architecture
Courses, 181
Degree, 177
Major, 162
Language and culture, concentration
French, 86, 375
German, 86, 375
Spanish, 86, 375
Language laboratory requirement, 124
Languages and Literatures, Department of,
123–131. See also specific language.
Courses, 124–131
Foreign languages for international professions,
123
Late registration, 26, 27
Refund, 27
Latin, courses, 128–129
Latin American history, concentration, 7, 86, 375,
377
Latin American studies
Concentration, 8
Emphasis, 7, 8, 84, 85. See also specific
department for study emphasis.
Program, 91, 187
Law, College of, 323–327
Academic organization, 436
Accreditation, 325
Admission, 323–324
Courses, 325–327
Fees, 25
Grading, 324
Indian Legal Program, 325
Juris Doctor degree, 323
Law Journal, 324
Preprofessional program, 83
Retention standards, 324
Law, justice, and minority populations,
concentration, 336, 377
Law, policy, and evaluation, concentration, 336,
377
Law, Science and Technology, Center for the
Study of, 325
Law Library, 18, 325
Laws, Master of, 323, 375
Learning, concentration, 203, 377
Learning and Instructional Technology
Courses, 220–221
Major, 203, 218–219, 375, 376, 377
Program area, 218
Legal and ethical studies, 190
Courses, 190
Leisure Studies. See Recreation Management and
Tourism, Department of.
Liberal Arts and Sciences, College of, 82–159
Academic organization, 436
Admission to college, 82–83
Advisement, 83
Certificate programs and areas of emphasis,
90–91
Courses, 92
Degree requirements, 87
Degrees, 83–87
General studies requirements, 87
Graduation requirements, 87–89
Preprofessional programs, 83
Special programs, 90–91
Undecided majors, 82–83
Libraries and collections, 18
Architecture and Environmental Design Library,
18, 160
Arizona Historical Foundation Library, 18
Charles Trumbull Hayden Library, 18
Daniel E. Noble Science and Engineering
Library, 18
Law Library, 18,
Music Library, 18
University Archives, 18
Library science, courses, 214
Lifelong Learning, Center for, 363
Lifespan developmental psychology,
concentration, 203, 377
Linguistics, 22
Concentration, 85, 86, 375
Courses, 107
Literacy and critical inquiry, general studies, 50–51
Literature, concentration
French, 85, 375
German, 86, 375
Spanish, 86, 375
Literature and language, concentration, 85, 104,
375
Loans, 30, 74
Federal Parent Loans, 30
Federal Perkins Loan, 30
Federal Stafford Student Loan, 30
Federal Supplemental Loan, 30
Louise Lincoln Kerr Cultural Center, 19
Lyceum Theatre, 19

M

Majors offered
Baccalaureate degrees, 7–8
Graduate degrees, 375–377. See also specific college, school, or department.
Management
Concentration, 185, 376, 377
Courses, 199–200
Department of, 198–200
Major, 8, 185, 198–199
Management communication, 190
Management systems, track, 199
Manufacturing, emphasis, 8, 226
Manufacturing and Industrial Technology,
Department of, 289–294
Courses, 291–294
Manufacturing and materials processing, emphasis, 8, 225
Manufacturing engineering, option, 8, 225
Manufacturing Engineering Technology
Concentration, 227, 376
Emphasis, 8, 226, 290
Major, 8, 226, 290–291
Manufacturing technology, courses, 293–294
Map, ASU Main, 444–445
Marketing
Concentration, 185, 377
Courses, 201
Department of, 200–201
Major, 8, 185, 201
Mass communication
Courses, 343–344
Master of, 336, 375
Master’s degrees
General list, 375–377
Of Accountancy, 184, 375
Of Architecture, 161–162, 375
Of Arts, 375. See also specific subject.
Of Business Administration, 184–185, 375
Of Computer Science, 227, 375
Of Counseling, 203, 218, 375
Of Education, 375
Of Environmental Planning, 177, 375
Of Fine Arts, 297, 366, 375
Of Health Services Administration, 184–185, 197
Of Laws, 375
Of Mass Communication, 343, 375
Of Music, 313, 375
Of Natural Science, 375
Of Public Administration, 336, 350, 375
Of Science, 376. See also specific subject.
Of Science in Design, 161, 162, 376
Of Science in Engineering, 228, 376
Of Social Work, 354–358, 376
Of Taxation, 185, 376
Of Teaching English as a Second Language, 86, 104, 376
Of Technology, 228, 376
Mastery, demonstration of, 47
Materials, emphasis, 8, 225
Materials Science and Engineering
Courses, 253–254
Major, 8, 225, 249–250
Mathematics
Academic specialization, 7, 203
Concentration, 86, 203, 375, 376
Courses, 132–135
Department of, 131–135
Examination for proficiency, 40
Major, 7–8, 84, 86, 131–132, 375, 377
Mathematics education
Concentration, 204, 376
Courses, 135
Mathematics placement, 40–41
Mathematics/chemistry, academic specialization, 7, 203
Mathematics/physics, academic specialization, 7, 203
Measles immunization, 31–32
Measurement, statistics, and methodological studies, concentration, 203, 377
Mechanical, emphasis, 8, 225
Mechanical and Aerospace Engineering,
Department of, 272–277
Courses, 274–277
Mechanical Engineering, major, 8, 226–227, 273–274, 376–377
Mechanical engineering technology
Concentration, 227, 376
Emphasis, 8, 226, 290
Mechanical metallurgy, emphasis, 8, 225
Medical, Pre-, 248, 279–280
Medical withdrawal, 46
Medicine, preprofessional program, 83
Medieval and Renaissance Studies, 22
Meeting basic competencies, 48
Memorial Union, 77
Metals
Concentration, 7, 296, 301–302, 375
Courses, 304
Of Natural Science, 375
Of Public Administration, 336, 350, 375
Of Science, 376. See also specific subject.
Of Science in Design, 161, 162, 376
Of Science in Engineering, 228, 376
Of Social Work, 354–358, 376
Of Taxation, 185, 376
Of Teaching English as a Second Language, 86, 104, 376
Of Technology, 228, 376
Mastery, demonstration of, 47
Materials, emphasis, 8, 225
Materials Science and Engineering
Courses, 253–254
Major, 8, 225, 249–250
Mathematics
Academic specialization, 7, 203
Concentration, 86, 203, 375, 376
Courses, 132–135
Department of, 131–135
Examination for proficiency, 40
Major, 7–8, 84, 86, 131–132, 375, 377
Mathematics education
Concentration, 204, 376
Courses, 135
Mathematics placement, 40–41
Mathematics/chemistry, academic specialization, 7, 203
Mathematics/physics, academic specialization, 7, 203
Measles immunization, 31–32
Measurement, statistics, and methodological studies, concentration, 203, 377
Mechanical, emphasis, 8, 225
Mechanical and Aerospace Engineering,
Department of, 272–277
Courses, 274–277
Mechanical Engineering, major, 8, 226–227, 273–274, 376–377
Mechanical engineering technology
Concentration, 227, 376
Emphasis, 8, 226, 290
Mechanical metallurgy, emphasis, 8, 225
Medical, Pre-, 248, 279–280
Medical withdrawal, 46
Medicine, preprofessional program, 83
Medieval and Renaissance Studies, 22
Meeting basic competencies, 48
Memorial Union, 77
Metals
Concentration, 7, 296, 301–302, 375
Courses, 304
Of Natural Science, 375
Of Public Administration, 336, 350, 375
Of Science, 376. See also specific subject.
Of Science in Design, 161, 162, 376
Of Science in Engineering, 228, 376
Of Social Work, 354–358, 376
Of Taxation, 185, 376
Of Teaching English as a Second Language, 86, 104, 376
Of Technology, 228, 376
Mastery, demonstration of, 47
Materials, emphasis, 8, 225
Materials Science and Engineering
Courses, 253–254
Major, 8, 225, 249–250
Mathematics
Academic specialization, 7, 203
Concentration, 86, 203, 375, 376
Courses, 132–135
Department of, 131–135
Examination for proficiency, 40
Major, 7–8, 84, 86, 131–132, 375, 377
Mathematics education
Concentration, 204, 376
Courses, 135
Mathematics placement, 40–41
Mathematics/chemistry, academic specialization, 7, 203
Mathematics/physics, academic specialization, 7, 203
Measles immunization, 31–32
Measurement, statistics, and methodological studies, concentration, 203, 377
Mechanical, emphasis, 8, 225
Mechanical and Aerospace Engineering,
Department of, 272–277
Courses, 274–277
Mechanical Engineering, major, 8, 226–227, 273–274, 376–377
Mechanical engineering technology
Concentration, 227, 376
Emphasis, 8, 226, 290
Mechanical metallurgy, emphasis, 8, 225
Medical, Pre-, 248, 279–280
Medical withdrawal, 46
Medicine, preprofessional program, 83
Medieval and Renaissance Studies, 22
Meeting basic competencies, 48
Memorial Union, 77
Metals
Concentration, 7, 296, 301–302, 375
Courses, 304
Meteorology-climatology, emphasis, 7, 8, 84, 113
Mexican American studies, emphasis, 7, 85, 123
Microbiology
  Concentration, 86, 375
  Courses, 136–137
  Department of, 135–137
  Major, 8, 84, 86, 135–136, 376–377
Microelectronics, option, 8, 226
Microelectronics engineering technology, courses, 289
Middle school education, concentration, 375
Mid-term report, 47
Mildly handicapped, concentration, 204, 375
Military construction, option, 8, 225
Military officer training, 77–78
Military Science
  Courses, 139
  Department of, 137–139
Ministry, preprofessional program, 83
Minority Engineering Program, 224
Misconduct, scholarly regard and creative activities, 374
Mission, university, 14
Molecular and cellular bioengineering, emphasis, 8, 225
Molecular and Cellular Biology, 136, 139–140
  Courses, 140
  Major, 86, 376, 377
Morrison Institute for Public Policy, 350
Motor/behavioral sport psychology, concentration, 85, 377
Multicultural education
  Concentration, 203, 375, 376
  Courses, 214
  Program area, 213
Multicultural exceptional, concentration, 204, 375
Museum studies, concentration, 85, 91, 375
Music
  Bachelor of, 7
  Courses, 313–318
  Major, 7, 296, 310–313
  Master of, 375
  School of, 310–318
Music education
  Concentration, 203, 376, 377
  Courses, 313–314
Music History and Literature
  Courses, 314–315
  Major, 296, 375
Music Library, 18
Music performance, courses, 316–318
Music Theatre
  Concentration, 7, 296, 312
  Major, 375
Music theatre musical direction, concentration, 296, 375
Music theatre performance, concentration, 296, 375
Music Theory, major, 296, 375
Music theory and composition
  Concentration, 313
  Courses, 315
Music Therapy
  Concentration, 312–313
  Major, 7, 296
Musical Arts, Doctor of, 376
Musical instrument rental charge, 26

N
Natural resource management, concentration, 8, 225, 235
Natural Science
  Major, 86, 375
  Master of, 375
Natural sciences, general studies, 51
Nelson Fine Arts Center, J. Russell and Bonita, 19
Neuroauditory processes, concentration, 86, 377
Neurogerontologic communication disorders, concentration, 86, 377
News editorial, emphasis, 7, 336
Noble Science and Engineering Library, 18
Nondegree admission, 34
Nonresident applicants, 34
Northlight Gallery, 19
NR, grade of, 45
Numeracy, general studies, 51
Nursing
  Academic organization, 437
  Academic standards, 330–331
  Admission, 328–329
  Advisement, 329
  Bachelor of Science in, 8, 329–330
  College of, 328–334
  Core, 330
  Courses, 332–334
  Degree requirements, 330
  Grading policy for nursing courses, 331
  Graduation requirements, 330
  Health requirements, 329
  Major, 330, 376
  Master of Science degree, 330
  Special programs, 331
Nursing administration, concentration, 376
Nursing College Council, 332
Nursing student organizations, 332
Nursing Students for Ethnic and Cultural Diversity, 332
Nutrition, emphasis, 110

O

Objectives of university, 14
Occupational therapy, preprofessional program, 83
Off-campus courses, 364
Office of Climatology, 113
Official transcripts, 26
Refund of fees, 27
Omnibus courses, 44
Operations and production management, courses, 193–194
Operations research, concentration, 227, 376, 377
Option I, II (Physics), 8
Optometry, preprofessional program, 83
Orchestrual instrument, concentration, 7, 296, 312
Order of the Coif, 325
Organic chemistry, concentration, 85, 376, 377
Organization, university, 14–15
Organization control, concentration, 227, 376, 377
Organizational communication, concentration, 336, 377
Orientation, new student, 32
Osteopathy, preprofessional program, 83
Outdoor recreation, concentration, 336, 376
Overloads, courses, 42

P

P, grade of, 45
Painting
Concentration, 7, 296, 302, 375
Courses, 302–303
Parent loans, 30
Parent-child nursing
Clinical area, 328
Concentration, 376
Parking
Decals, 26
Violations, 26
Part-time off-campus employment, 30
Pass/fail enrollment, 45. See also each college or school.
Paul V. Galvin Playhouse, 19
Payment
Methods and deadlines, 26–27
Of refunds, 27
Pell Grant, 30
Performance, major, 7, 296, 311–312, 375
Performance and choreography, concentration, 7, 296
Performance pedagogy, concentration, 296, 375
Performing and Fine Arts Facilities, 18–19
Computing Commons Gallery, 18
Dance Studio Theatre, 18
Drama City, 18
Grady Gammage Memorial Auditorium, 19
Harry Wood Gallery, 19
J. Russell and Bonita Nelson Fine Arts Center, 19
Katzen Concert Hall, 19
Louise Lincoln Kerr Cultural Center, 19
Lyceum Theatre, 19
Music Theatre, 19
Northlight Gallery, 19
Organ Hall, 19
Paul V. Galvin Playhouse, 19
Recital Hall, 19
Sundome Center for the Performing Arts, 19
Television Station (KAET), 19
University Art Museum, 19
University Dance Laboratory, 19
Perkins Loan, 30
Personal Computer Training Program, See also Centers, Downtown.
Petition for waiver of degree, degree requirement, 72
University standards committee, 73
Pharmacy, preprofessional program, 83
Philosophy
Courses, 140–141
Department of, 140–141
Doctor of. See fields of specialization.
Major, 7, 84, 86, 140, 375
Phone registration (InTouch), 26
Photographic studies, concentration, 7, 296, 300, 375
Photography
Concentration, 7, 296, 300, 375
Courses, 303
Photojournalism, emphasis, 7, 8, 336
Physical anthropology, concentration, 85, 375, 377
Physical chemistry, concentration, 85, 376, 377
Physical Education
Academic specialization, 7, 203
Concentration, 203, 204, 376, 377
Department of. See Exercise Science and Physical Education.
Physical geography, courses, 114–115
Physical metallurgy, emphasis, 8, 225
<table>
<thead>
<tr>
<th>Physical sciences, courses, 145</th>
<th>Medicine, 83</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical therapy, preprofessional program, 83</td>
<td>Ministry, 83</td>
</tr>
<tr>
<td>Physics</td>
<td>Occupational therapy, 83</td>
</tr>
<tr>
<td>Academic specialization, 7, 203</td>
<td>Optometry, 83</td>
</tr>
<tr>
<td>Concentration, 86, 142, 375</td>
<td>Osteopathy, 83</td>
</tr>
<tr>
<td>Major, 8, 84, 86, 376–377</td>
<td>Pharmacy, 83</td>
</tr>
<tr>
<td>Physics and Astronomy</td>
<td>Physical therapy, 83</td>
</tr>
<tr>
<td>Courses, 142–145</td>
<td>Podiatry, 83</td>
</tr>
<tr>
<td>Department of, 141–145</td>
<td>Prerequisites and corequisites, 44</td>
</tr>
<tr>
<td>Major, 8, 84, 86, 141–142</td>
<td>President’s Office, 434</td>
</tr>
<tr>
<td>Physics/chemistry, academic specialization, 7, 203</td>
<td>Pre-veterinary medicine, concentration, 7, 225, 234</td>
</tr>
<tr>
<td>Physiological psychology, concentration, 86, 377</td>
<td>PRIME, Project, 364</td>
</tr>
<tr>
<td>Physiology of exercise, concentration, 85, 377</td>
<td>Printmaking</td>
</tr>
<tr>
<td>Piano accompanying, concentration, 7, 296, 312, 375</td>
<td>Concentration, 7, 296, 302, 375</td>
</tr>
<tr>
<td>Placement</td>
<td>Courses, 303</td>
</tr>
<tr>
<td>Advanced, 36</td>
<td>Priority application date, undergraduate admission, 31</td>
</tr>
<tr>
<td>Advisement, 41</td>
<td>Priority deadline, undergraduate admission</td>
</tr>
<tr>
<td>English, 40</td>
<td>Application, 31</td>
</tr>
<tr>
<td>Mathematics, 40–41</td>
<td>Domicile affidavit, 31</td>
</tr>
<tr>
<td>Placement and credit, advanced, special programs for, 36–40</td>
<td>Entrance examinations, 31</td>
</tr>
<tr>
<td>Placement examinations for proficiency</td>
<td>Transcripts, 31</td>
</tr>
<tr>
<td>English, 40</td>
<td>Private music instruction, 26, 27</td>
</tr>
<tr>
<td>Foreign languages, 40</td>
<td>Probation, 49. See also specific college or school.</td>
</tr>
<tr>
<td>Mathematics, 40–41</td>
<td>Process engineering, emphasis, 8, 225</td>
</tr>
<tr>
<td>Plagiarism, 49</td>
<td>Professional Field Experiences, Office of, 202</td>
</tr>
<tr>
<td>Planning and Development, Office of, 365</td>
<td>PTPP-Professional Teacher Preparation</td>
</tr>
<tr>
<td>Planning and Landscape Architecture</td>
<td>Program areas, 204–205</td>
</tr>
<tr>
<td>Courses, 180–181</td>
<td>Requirements, 206–208</td>
</tr>
<tr>
<td>Major, 8, 161–162, 177</td>
<td>Selected studies, 209</td>
</tr>
<tr>
<td>School of, 176–181</td>
<td>Student Affairs, Office of, 202</td>
</tr>
<tr>
<td>Plant biochemistry and molecular biology, concentration, 7, 84</td>
<td>Student teaching, 207–208</td>
</tr>
<tr>
<td>Playwriting, specialization, 296</td>
<td>Teaching majors and minors. See area of specialization.</td>
</tr>
<tr>
<td>Podiatry, preprofessional program, 83</td>
<td>Professional Officer Course (POC), ROTC, 92</td>
</tr>
<tr>
<td>Political Science</td>
<td>Professional Teacher Preparation Program, 204–207</td>
</tr>
<tr>
<td>Academic specialization, 7, 203</td>
<td>Proficiency examinations, 40–41</td>
</tr>
<tr>
<td>Courses, 146–148</td>
<td>Program Assessment and the Office of University Evaluation, 20</td>
</tr>
<tr>
<td>Department of, 145–148</td>
<td>Program of study requirements, 72</td>
</tr>
<tr>
<td>Major, 7–8, 84, 86, 145–146, 375</td>
<td>Programs in Engineering, Special and Interdisciplinary Studies, 277–280</td>
</tr>
<tr>
<td>Political theory, concentration, 86, 375, 377</td>
<td>Project to Improve Minority Education, 364</td>
</tr>
<tr>
<td>Polymers and composites, emphasis, 8, 225</td>
<td>Propulsion, emphasis, 8, 225</td>
</tr>
<tr>
<td>Portuguese, courses, 129</td>
<td>Propulsion engineering, emphasis, 8, 273</td>
</tr>
<tr>
<td>Pre-medical, emphasis, 8, 225</td>
<td>Pro-seminar, 44</td>
</tr>
<tr>
<td>Pre-medical engineering</td>
<td>Psychology</td>
</tr>
<tr>
<td>Emphasis, 8, 225</td>
<td>Courses, 149–151</td>
</tr>
<tr>
<td>Option, 8, 225</td>
<td>Department of, 148–151</td>
</tr>
<tr>
<td>Preprofessional programs, 83</td>
<td>Major, 7–8, 84, 86, 148–149, 377</td>
</tr>
<tr>
<td>Dentistry, 83</td>
<td></td>
</tr>
</tbody>
</table>
Psychology in Education, Division of, 218–221
Courses, 219–221
Psychosocial nursing systems, clinical area, 328
Public Administration
Doctor of, 336, 377
Interdisciplinary doctoral program, 350, 368
Major, 375
Master of, 336, 375
Public Affairs, School of, 350–352
Advanced Public Executive Program (APEP), 350
Courses, 351–352
Morrison Institute for Public Policy, 350
Publications division, 351
Public history, concentration, 86, 375
Public information management, concentration, 336, 375
Public management, concentration, 336, 375
Public policy analysis and evaluation, concentration, 336, 375
Public Programs
Academic organization, 437
Academic standards and retention, 339
Admission, 335
Advisement, 335–336
College of, 335–352
Courses, 340–352
Degrees, majors, and concentrations, 336
Graduation requirement, 339
Special programs, 339
Public relations, emphasis, 7, 8, 336
Public safety, emphasis, 7, 85
Purchasing and Logistics Management
Concentration, 185
Courses, 191
Major, 8, 185, 190
Pure mathematics, option, 8, 84, 132

Q
Quality Analysis, Certificate in, 192
Quality control/reliability, concentration, 227, 376, 377
Quantitative business analysis, courses, 193

R
Range ecology, option, 235
RC, grade of, 45, 46
Reading, concentration, 203, 375, 376
Reading and library science
Courses, 214–215
Program area, 214

Reading education
Concentration, 203, 377
Courses, 214–215
Readmission
Conditional, 41
To the university, 41
Real Estate
Courses, 191
Major, 8, 185, 190
Recital Hall, 19
Records
Access to, 49–50
Hold, 47
Location of, 50
Other than transcripts, copies of, 26
Student, 49–50
Recreation, major, 8, 336, 348–349, 376
Recreation administration, concentration, 336, 376
Recreation management, concentration, 8, 336
Recreation Management and Tourism, Department of, 348–350
Core courses, 348–349
Courses, 349–350
Referrals, child care, 75
Refund of fees
Academic-year registration and nonresident tuition, 27
Forfeiture of, 27
Graduation, 27
Late registration, 27
Official transcripts, 27
Other university charges, 27
Payment of, 27
Private music instruction, 27
Residence halls, 27
Special class, 27
Summer sessions, 27
Regents’ Professors, 433
Registrar, 74
Registration, 42–43
Drop/add, 46
Fees, 25–27
Late, 26
Reinstatement, 49
Appeals, 49
Religious accommodation, 1
Religious activities, 78
Religious Studies
Courses, 151–152
Department of, 151–152
Major, 7, 85, 86, 151, 375
Remedial enrollment, 46
Repeating courses, 47
Required subjects, general studies, 50–52
Requirements, undergraduate admission, 31–36
  Basic competency, 33
  General aptitude, 32
Research and Strategic Initiatives, 438
  Directors, 438
Research course numbers, 44
Research Park, 17
Reserve Officers Training Corps (ROTC), 92, 137–139, 230
Residence hall
  Refund of fees, 27
  Reservations, 74–75
Residential Life, Student Development, 74–75
Residency classifications, 28–29
Resident credit requirements, 71
Retention
  Academic standards, 48–49
  Appealing basic competencies, 48
  Class standing of students, 48
  Meeting basic competencies, 48
  Standards. See specific college or school.
  University Honors College, 79–81
Returned checks and credit card payments, 27
Rhetoric and composition, concentration, 85, 375
RN, grade of, 45, 46
Robotic and automation engineering technology, emphasis, 8, 226, 290
Room and board
  Budget for, 28
  Reservation/occupancy, 74–75
Russian
  Academic specialization, 7, 203
  Courses, 129
  Major, 7, 85
Russian and East European studies, concentration, 91, 123

S
Sales/marketing, emphasis, 291
SAT, 31
Satisfactory academic progress, 48
Satisfactory grade, 45
Scenography, concentration, 297, 375
Schedule of Classes, 42, 450
Scholarly publishing, 121
Scholarships, fellowships, and loans
  Private donor, 29
  University, 30
Scholarships and loans, 29–30
School Library Science, major, 204, 375
School psychology, concentration, 203, 377
Schools
  Construction, Del E. Webb School of, 237–240
  Journalism and Telecommunication, Walter Cronkite School of, 342–345
  Of Accountancy, 188–189
  Of Agribusiness and Environmental Resources, 231–237
  Of Architecture, 164–171
  Of Art, 300–307
  Of Design, 171–176
  Of Engineering, 241–245
  Of Health Administration and Policy, 197
  Of Justice Studies, 345–348
  Of Music, 310–318
  Of Public Affairs, 350–352
  Of Social Work, 353–361
  Of Technology, 280–281
Science, Master of. See field of specialization.
Science and Engineering of Materials Courses, 368
  Major, 86, 227, 368, 377
Science education, concentration, 203–204, 375, 376
Sculture
  Concentration, 7, 296, 302, 375
  Courses, 303–304
Second baccalaureate degree, 73
Secondary Education
  Courses, 215
  Major, 7, 203–204, 340, 375–376
  Program area, 215
Selected Studies in Education, major, 7, 203
Semiconductor processing, emphasis, 8, 225
Seminar, First-Year, 44
Severely/multiply handicapped, concentration, 204, 375
Sigma Theta Tau, 332
Social and Behavioral Sciences
  General studies, 51
  Major, 7, 8
Social and Philosophical Foundations of Education, major, 204, 375
Social psychology, concentration, 86, 377
Social studies
  Academic specialization, 7, 203
  Concentration, 203, 375, 376
Social Work
  Academic organization, 437
  Academic standards, 359–360
  Admission, 353–354
<table>
<thead>
<tr>
<th>Advisement, 356</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bachelor of, 356, 376</td>
</tr>
<tr>
<td>Courses, 360–361</td>
</tr>
<tr>
<td>Major, 356–357, 358–359, 377</td>
</tr>
<tr>
<td>Master of, 356, 376</td>
</tr>
<tr>
<td>School of, 353–361</td>
</tr>
<tr>
<td>Special programs, 360</td>
</tr>
<tr>
<td>Social-cultural anthropology, concentration, 85, 377</td>
</tr>
<tr>
<td>Social/psychological aspects of leisure, concentration, 336, 376</td>
</tr>
<tr>
<td>Society, values, and technology, courses, 245</td>
</tr>
<tr>
<td>Sociology</td>
</tr>
<tr>
<td>Courses, 153–155</td>
</tr>
<tr>
<td>Department of, 153–155</td>
</tr>
<tr>
<td>Major, 7, 85, 86, 153, 375–377</td>
</tr>
<tr>
<td>Solid mechanics, area, 278</td>
</tr>
<tr>
<td>Solid state chemistry, concentration, 85, 376, 377</td>
</tr>
<tr>
<td>Solid state processing, concentration, 226, 376, 377</td>
</tr>
<tr>
<td>Solo Performance</td>
</tr>
<tr>
<td>Instrumental, concentration, 296, 375</td>
</tr>
<tr>
<td>Keyboard, concentration, 296, 375</td>
</tr>
<tr>
<td>Major, 297, 376</td>
</tr>
<tr>
<td>Voice, concentration, 296, 375</td>
</tr>
<tr>
<td>Sororities and fraternities, 75</td>
</tr>
<tr>
<td>Southeast Asian Studies</td>
</tr>
<tr>
<td>Certificate, 91</td>
</tr>
<tr>
<td>Program, 22, 91</td>
</tr>
<tr>
<td>Spanish</td>
</tr>
<tr>
<td>Academic specialization, 7, 203</td>
</tr>
<tr>
<td>Courses, 129–131</td>
</tr>
<tr>
<td>Linguistics concentration, 86, 375</td>
</tr>
<tr>
<td>Major, 7, 85, 86</td>
</tr>
<tr>
<td>Special class fees, 25, 27</td>
</tr>
<tr>
<td>Special Education</td>
</tr>
<tr>
<td>Concentration, 203, 377</td>
</tr>
<tr>
<td>Courses, 215–216</td>
</tr>
<tr>
<td>Major, 7, 203–204, 375, 377</td>
</tr>
<tr>
<td>Program area, 215</td>
</tr>
<tr>
<td>Special liberal arts courses, 45</td>
</tr>
<tr>
<td>Special programs, College of Liberal Arts and Sciences</td>
</tr>
<tr>
<td>Interdisciplinary Studies, 90</td>
</tr>
<tr>
<td>Military Officer Training, 90</td>
</tr>
<tr>
<td>University Honors College, 90</td>
</tr>
<tr>
<td>Washington Semester, 90</td>
</tr>
<tr>
<td>Special programs for advanced placement and credit, 36–40</td>
</tr>
<tr>
<td>Advanced placement, 36–37</td>
</tr>
<tr>
<td>College Level Examination Program (CLEP), 36</td>
</tr>
<tr>
<td>Comprehensive examinations, 36–40</td>
</tr>
<tr>
<td>International Baccalaureate/Certificate, 36, 40</td>
</tr>
<tr>
<td>Proficiency examinations, 40</td>
</tr>
<tr>
<td>Special studio art, courses, 305</td>
</tr>
<tr>
<td>Special topics courses, 44</td>
</tr>
<tr>
<td>Specially construction, option, 8, 225</td>
</tr>
<tr>
<td>Speech and Hearing Science</td>
</tr>
<tr>
<td>Concentration, 155</td>
</tr>
<tr>
<td>Courses, 155–156</td>
</tr>
<tr>
<td>Department of, 155–156</td>
</tr>
<tr>
<td>Major, 8, 85, 86, 155, 377</td>
</tr>
<tr>
<td>Sports</td>
</tr>
<tr>
<td>Intercollegiate, 78</td>
</tr>
<tr>
<td>Intramural, 78</td>
</tr>
<tr>
<td>Standards</td>
</tr>
<tr>
<td>Academic, 48</td>
</tr>
<tr>
<td>Undergraduate admission, 32</td>
</tr>
<tr>
<td>University Standards Committee, 73</td>
</tr>
<tr>
<td>Statistics, major, 86, 185, 367, 368, 376</td>
</tr>
<tr>
<td>Statistics and probability</td>
</tr>
<tr>
<td>Courses, 135</td>
</tr>
<tr>
<td>Option, 8, 84, 132</td>
</tr>
<tr>
<td>Stress analysis, failure prevention, and materials, emphasis, 8, 226</td>
</tr>
<tr>
<td>String, concentration, 7, 296, 311</td>
</tr>
<tr>
<td>Structural engineering, emphasis, 8, 225</td>
</tr>
<tr>
<td>Structures, concentration, 226, 376, 377</td>
</tr>
<tr>
<td>Student</td>
</tr>
<tr>
<td>Academic complaints, 49</td>
</tr>
<tr>
<td>Budgets, 28</td>
</tr>
<tr>
<td>Conduct, 24</td>
</tr>
<tr>
<td>Consulting, 20</td>
</tr>
<tr>
<td>Employment, 30</td>
</tr>
<tr>
<td>Financial assistance, 74</td>
</tr>
<tr>
<td>Full-Time, 43</td>
</tr>
<tr>
<td>Government (ASASU), 77</td>
</tr>
<tr>
<td>Half-Time, 43</td>
</tr>
<tr>
<td>Health Service, 76–77</td>
</tr>
<tr>
<td>Identification, 42</td>
</tr>
<tr>
<td>Organizations, 75</td>
</tr>
<tr>
<td>Records, 49–50</td>
</tr>
<tr>
<td>Student involvement, 78</td>
</tr>
<tr>
<td>Student Affairs, Office of, College of Education, 202</td>
</tr>
<tr>
<td>Student Health, 76</td>
</tr>
<tr>
<td>Fees, 76</td>
</tr>
<tr>
<td>Health education, 76</td>
</tr>
<tr>
<td>Hours, 76</td>
</tr>
<tr>
<td>Insurance, 76–77</td>
</tr>
<tr>
<td>Services, 76</td>
</tr>
<tr>
<td>Student Life, Office of, 76</td>
</tr>
<tr>
<td>Student Nurses’ Association, 332</td>
</tr>
</tbody>
</table>
INDEX 475

Student Publications
  Hayden’s Ferry Review, 77
  State Press, 77
  Sun Devil Spark Yearbook, 77

Student records
  Access to records, 49–50
  Definitions, 49
  Family Educational Rights and Privacy Act of 1974, 49
  Location of policy and records, 50
  Types of information, 49

Student Recreation Complex (SRC)
  Fee, 25, 27
  Recreational Sports and Student Activities Program, 78

Student Services, 24–25, 74–79
  Associated Students of Arizona State University (ASASU), 77
  Career Services, 77
  Counseling and Consultation, 76
  Defense Activity for Non-traditional Education Support (DANTES), 77–78
  Educational Development, 75
  Intercollegiate Athletics, 78
  Memorial Union, 77
  Military Officer Training, 77
  Registrar, 74
  Religious Activities, 78
  Residential Life, 74–75
  Student Development and Residential Life, 74–75
  Student Financial Assistance, 74
  Student Health, 76
  Student involvement, other opportunities for, 78
  Student Life, 76
  Student Publications, 77
  Student Recreation Complex and Recreational Sports and Student Activities Program, 78
  Undergraduate Admissions, 74
  Veterans Services, 77

Student teaching, 209

Studio art
  Concentration, 7, 296, 300
  Courses, 302

Studio core curriculum, courses, 302

Subject examinations credit, 39

Subject matter fields, concentration, 204, 375

Submission of application, Graduate College, 369

Summer Sessions, 378
  Fees, 25, 27
  Refund of fees, 27

Sun Cities facility, 17–18

Sundome Center for the Performing Arts, 19

Suspension/expulsion for academic dishonesty, 49

Systematics and ecology, concentration, 7, 84, 98

System dynamics and control, emphasis, 8, 225

T

  3+2 programs, 230
  Taxation, Master of, 185, 376
  Teaching English as a Second Language, Master of, 86

Technology
  Core courses, 282
  Major, 227, 376
  Master of, 376
  School of, 280–281

  TeleCampus, 364
  Telecommunication, option, 8, 226
  Telecommunications, courses, 344–345
  Telecommunications systems, option, 286
  Telephone registration (InTouch), 26
  Televised courses, 364

  Terrestrial, option, 8, 158

  Test of English as a Foreign Language, (TOEFL), 31, 35

Tests
  Aptitude (ACT), 31, 35
  CLEP, 38–39
  Comprehensive examinations, 36, 39
  Proficiency, 40–41
  SAT, 31

Textiles and clothing, courses, 113

Thai, courses, 131

Theatre
  Courses, 320–322
  Department of, 318–322
  Major, 7, 296–297, 318–320, 375, 377
  Theatre education, concentration, 7, 296, 319
  Theatre for youth, concentration, 7, 296, 297, 319, 375, 377
  Theatre management and production, concentration, 7, 296, 319
  Theatre performance and production, courses, 320–322
  Theory, concentration, 7, 296, 313
  Theory and Composition, major, 7, 296, 313
  Thermosciences, emphasis, 8, 226
  Thesis and dissertations, 373–374
  Tourism, concentration, 8, 336
  Tourism and commercial recreation, concentration, 336, 376
Transcripts, 26, 31, 47–48
  Priority application date, 31
  Refund of fees, 27
Transfer applicants
  Arizona applicants, 34
  Nonresident applicants, 34
  Undergraduate admission, 34
Transfer credit, 34–35
  Appeal procedure, 35
  Community colleges, 35
  Students attending Arizona community colleges, 35
  Veterans exception, 34–35
Transfer student admission, 34–35
Translation, Certificate Program in, 124
Transport phenomena, concentration, 226, 376, 377
Transportation, concentration, 226, 376, 377
Transportation engineering, emphasis, 8, 225
Traveling Scholar Program, 43
Tuition, 25–26
  Refund of, 27
Types of information on student records
  Directory information, 49
  Educational record, 49
  Personally identifiable information, 49

U
Undecided or undeclared majors, 82–83
Undergraduate academic services, 20
Undergraduate admission, 31–36
  Admission of disabled applicants, 36
  Admission of international applicants who attend
  on F–1 or J–1 visas, 35
  Admission procedures for new freshman and
  transfer students, 31–32
American Language and Culture Program, 36
Orientation, 32
Priority application date, 31
Requirements, 32–34
Standards, 32
Transfer applicants, 34–35
Transfer credit, 34
Undergraduate enrollment, policies, and
  procedures, 24
UNI 100, 45
Unit of credit defined, 45
  Required for degrees, 71
University
  Academic organization, 6
  Alumni Association Board, 439
  Archives, 18
  Art Museum, ASU, 19
  Assessment, 20
  Calendar, 9–13
  Campus and sites, 17–18
  Courses, 45
  Dance Laboratory, 19
  Employment, 30
  Grant, 30
  History, 15–16
  Honors College, 79–81
  Hourly employment, 30
  Libraries and collections, 18, 437
  Mission, 14
  Performing and fine arts facilities, 18–19
  Policy prohibiting discriminatory harassment, 15
  Relations administrators, 438
  Theatre, 78
University degree requirements, 71–73
University general studies program requirements, 50–52
University grant, 30,
  Upward Bound Program, 75
Urban horticulture, concentration, 7, 84, 98
Urban management and planning, concentration, 336, 375
Urban Planning
  Concentration, 162, 375
  Courses, 180–181
  Major, 8, 162, 177
Urban studies, emphasis, 7, 8, 84, 113
U.S. Armed Forces Institute correspondence
  courses, 78
U.S. history, concentration, 86, 375, 377
U.S./Western history, concentration, 86, 375

V
Veterans Services, 77
  Deferred payment, 26–27
  Exception, 34
  Upward Bound, 75
Visas, F–1 and J–1, for admission of international
  students, 35
Visual journalism, emphasis, 7
Visualization Center, 20
Voice, concentration, 7, 296, 312

W-Z
W, grade of, 45
Waiver of degree requirement, 72
Walter Cronkite School of Journalism and Telecommunication, 342–345
Courses, 343–345
Degree requirements, 342–343
Washington Semester Program, 90
Water resources engineering, emphasis, 8, 225
Water resources/hydraulics, concentration, 226, 376, 377
Welding engineering technology
Concentration, 227, 376
Emphasis, 8, 226, 290
Western Interstate Commission for Higher Education (WICHE), 73
Wildlife Conservation Biology, major, 8, 85, 158
Wildlife habitat management, option, 235
Withdrawal from university, 46
Instructor initiated, 46
Medical, 46
Restricted, 46
Unrestricted, 46

Women, law, and justice, concentration, 336, 377
Women’s Studies
Certificate, 85, 157
Courses, 157
Major, 7–8, 85, 157, 441
Program, 22, 91, 156–157
Wood
Concentration, 296, 375
Courses, 304
Wood Gallery, 19
Writing across the curriculum, course, 45
X, grade of, 45
Y, grade of, 45
Youth Agency Administration/American Humanics
Certificate Program, 349
Zoology
Concentration, 86, 158, 375
Courses, 158–159
Department of, 158–159
Major, 8, 85–86, 158, 376–377