Arizona State University
ASU Main Campus
FALL 2000 TRANSFER GUIDE
FOR CENTRAL ARIZONA COLLEGE
Bachelor of Science in Engineering
Civil Engineering
Environmental Engineering Concentration

Students applying for admission with transferable hours must meet transfer GPA, freshman aptitude, and competency requirements www.asu.edu/admissions/applyingtoasu. Students transferring 24 or more semester hours do not have to meet freshman aptitude requirements. Students who are 22 years of age or older or have completed an Arizona General Education Curriculum (AGEC) or any associate degree or higher do not have to meet competency requirements. A maximum of 64 transferable semester hours completed at a regionally accredited two-year institution may be transferred to ASU. All transferable community college credits are accepted as lower-division credits and do not satisfy upper division General Studies or graduation requirements.

Civil Engineers are concerned with the impact of their project on the public and the environment, and they attempt to coordinate the needs of society with technical and economic feasibility. For further information, call or write:
(480) 965-3589
Department of Civil and Environmental Engineering
College of Engineering and Applied Sciences
Arizona State University
Tempe, Arizona  85287-5306

SCHOOL OF ENGINEERING ADMISSION CRITERIA
1. A minimum of 2.50 cumulative GPA is required from community college transfer students.
2. Students whose native language is not English must also submit a TOEFL score of 550 points in addition to meeting the minimum GPA requirements.
3. Transfer students are encouraged to have completed science and math courses applicable to the engineering degree.
4. A preprofessional category of admission is available for applicants deficient in School of Engineering admission requirements.
5. Students admitted to the preprofessional program are restricted to taking lower-division courses. After completing a minimum of 30 semester hours of required or approved elective courses with a cumulative minimum GPA of 2.50, one may apply for admission to the professional program. The cumulative GPA is calculated using all credits from ASU and from all other colleges and universities attended.

Transfer value of a course, including General Studies value, is governed by the Course Applicability System (CAS) in force at the time the course is taken. Summer session is included with the previous academic year. Community college courses which are equivalent in content to upper division courses at ASU will be transferable as equivalent but with lower division credit. The course need not be repeated but will not count toward the required number of upper division credit hours.

FIRST YEAR COMPOSITION (3-6)

ASU
ENG 101 & 102 First-Year Comp
or
ENG 105 Adv First-Year Comp
or
ENG 107 & ENG 108 Eng Foreign Students

CAC
ENG 101 & ENG 102 English Comp III & IV
No CAC equivalent
ENG 107 & ENG 108 English Comp III & IV (ESL)

GENERAL STUDIES REQUIREMENTS

Students completing the Arizona General Education Curriculum (AGEC) will still be required to fulfill lower division program requirements and prerequisites within their college and major/minor area of study. In all cases, students have the responsibility for selecting general education coursework that is relevant to the requirements of their intended major and degree.

Students in an engineering program must complete 16 hours of Humanities [HU] and Social/Behavioral Sciences [SB] courses. One course must be taken at ASU, as it must be upper division. In your selection of HU and SB credits, two courses must be from the same department (or have the same prefix). Select credits from CAS General Studies Insert as follows: 6 or 7 HU credits, 6 or 7 SB credits (which must include those that transfer as ECN 111 or ECN 112), 3 C credits, 3 G credits, and 3 H credits. It is beneficial for students to select HU or SB courses that concurrently satisfy C, G or H requirements. Additional and/or mandated General Studies requirements, if any, are listed in the Major Requirements section below with designation in brackets, e.g. [CS].
MAJOR REQUIREMENTS

ASU

CHM 114 General Chemistry for Engineers [SQ] or
CHM 113 General Chemistry [SQ]
and
CHM 116 General Chemistry [SQ]
CHM 231 Elem Org Chemistry

ECN 111 Macroeconomic Principles [SB] or
ECN 112 Microeconomic Principles [SB]

MAT 270 Cal/Analytic Geo I [N1] or
MAT 271 Cal/Analytic Geo II [N1]
MAT 272 Cal/Analytic Geo III [N1]
MAT 274 Elem Diff Equations [N1]

MIC 205 Microbiology [SG] &
MIC 206 Microbiology Lab [SG]
PHY 121 Univ Physics I: Mech [SQ] &
PHY 122 Univ Physics Lab I [SQ] &
PHY 131 Univ Physics II: Elec & Magntsm [SQ] &
PHY 132 Univ Physics Lab II [SQ]

CAC

No CAC equivalent

CHM 101 General Chemistry I
CHM 102 General Chemistry II
CHM 200 Fund Organic Chem *
* CHM 200 transfers to ASU as CHM 231 [SQ] & CHM 235 [SQ].
ECN 201 Macroeconomic Principles
ECN 202 Microeconomic Principles or
GBS 105 Applied Business Econ
MAT 220 Calc/Analyt Geo I or
MAT 221 Analyt Geom/Calc I &
MAT 230 Calc/Analyt Geo II or
MAT 231 Analyt Geom/Calc II &
MAT 240 Calc/Analyt Geo III or
MAT 241 Analyt Geom/Calc III .
MAT 262 Ordin Diff Equations
BIO 205 Microbiology
PHY 261 University Phys I &
PHY 262 University Phys II

ENGINEERING CORE

ECE 100 Intro Engrg Design [CS] No CAC equivalent
ECE 210 Engr Mech I: Statics EGR 202 Eng Mechan/Statics
ECE 312 Engr Mech II: Dynamics EGR 203 Eng Mechan/Dynamics

Approved by Marilyn L. Hart Date 8/14/00
Coordinator, Academic Administration

1. Although a course may satisfy a core area requirement and an awareness area requirement concurrently, a course may not be used to satisfy requirements in two core areas simultaneously. A course may satisfy two awareness areas concurrently.
2. When selecting HU or SB core courses, students must keep in mind that A. two courses from the same department must be taken in either core area; B. courses from at least two departments must be taken. These two conditions may, but need not be satisfied in the same core area. At least one course within the 16 semester hours must be an upper-division course taken only at ASU.