Arizona State University
ASU Main Campus
FALL 2000 TRANSFER GUIDE
FOR EASTERN ARIZONA COLLEGE
Bachelor of Science in Engineering
Mechanical Engineering

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.

Mechanical Engineering is a creative discipline that draws upon a number of basic sciences to design the devices, machines, processes, and systems that involve mechanical work and its conversion from, and into, various forms of energy. The undergraduate curriculum includes the study of principles governing the use of energy; principles of design, instruments, and control devices; and the application of these studies to the creative solution of practical, modern problems. Prospective students may call 480/965-7788 (toll free numbers for applicants: 1-800-252-ASU1 out of state and 1-800-325-9371 in state) or write to the Undergraduate Admissions Office for information including application materials. For further information, call (480) 965-3291.

(480) 965-3291
Vice Chair for Mechanical Engineering
Department of Mechanical and Aerospace Engineering
College of Engineering and Applied Sciences
Arizona State University
Tempe, Arizona 85287-6106

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

EAC
ENG 101 & 102 Written Communications
No EAC equivalent
No EAC equivalent
GENERAL STUDIES REQUIREMENTS1,2
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]  
ECN 111 Macroeconomic Principles [SB]  
or
ECN 112 Microeconomic Principles [SB]  
MAT 242 Elementary Linear Algebra  
MAT 270 Cal/Analytic Geo I [MA]  
MAT 271 Cal/Analytic Geo II [MA]  
MAT 272 Cal/Analytic Geo III [MA]  
MAT 274 Elem Diff Equations [MA]  
PHY 121 Univ Physics I: Mech [SQ]  
PHY 122 Univ Physics Lab I [SQ]  
PHY 131 Univ Physics II: Elec and Magnetism  
PHY 132 Univ Physics Lab II [SQ]

EAC
CHM 151 General Chemistry I  
CHM 152 General Chemistry II  
BUA 221 Prin of Macroeconomics  
BUA 223 Prin of Microeconomics  
MAT 220 Calculus I  
MAT 230 Calculus II  
MAT 240 Calculus III  
MAT 260 Differential Equations  
PHY 211 Physics with Calculus &  
PHY 212 Physics with Calculus

ENGINEERING CORE

ASU
ECE 100 Intro Engrg Design [CS]  

EAC
No EAC equivalent

Approved by Marilyn L. Hart  
Coordinator, Academic Administration  
Date  8/16/00

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.