Arizona State University

ASU Main Campus

1999-2000 TRANSFER GUIDE

FOR CENTRAL ARIZONA COLLEGE

Bachelor of Science in Engineering

Computer Systems Engineering

The Arizona resident applicant for transfer admission must meet competency requirements and have a cumulative grade point average (GPA) of 2.00 on a four-point (A) scale in all college level work and be in good standing and eligible to return to the last institution attended. Students who have less than 24 semester transfer credits must also meet competency requirements. Arizona residents who have completed an Arizona General Education Curriculum (AGEC) or an associate degree with a minimum 2.00 GPA in the AGEC or associate degree are exempt from admission requirements. A maximum of 64 semester credit hours will be accepted when transferred from community colleges; all transferable community college credits are accepted as lower-division credits and do not satisfy upper-division General Studies or graduation requirements.

The Computer Systems Engineering student is especially concerned with the design and production of computer systems. Computer organization and architecture, system programming, operating systems, and digital hardware design receive heavier emphasis with this degree. 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 or write:

(480) 965-3199
Academic Advisor
Department of Computer Science and Engineering
College of Engineering and Applied Sciences
Arizona State University
Tempe, Arizona 85287-5406

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 Equivalency Guide (CEG) 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

or

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 CEG 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. [N3].
MAJOR REQUIREMENTS

ASU

CHM 114   General Chemistry for Engineers [S1/S2] or
CHM 113   General Chemistry [S1/S2] and
CHM 116   General Chemistry [S1/S2] or
ECN 111   Macroeconomic Principles [SB] or
ECN 112   Microeconomic Principles [SB]

CHM 101   General Chemistry I
CHM 102   General Chemistry II
ECN 201   Macroeconomic Principles or
ECN 202   Microeconomic Principles or
GBS 105   Applied Business Econ
MAT 270   Cal/Analytic Geo I [N1] or
MAT 271   Cal/Analytic Geo II [N1]
MAT 272   Cal/Analytic Geo III [N1] or
MAT 274   Elem Diff Equations [N1]
PHY 121   Univ Physics I: Mech [S1/S2] &
PHY 122   Univ Physics Lab I [S1/S2] &
PHY 131   Univ Physics II:Elec & Magnetism [S1/S2] &
PHY 132   Univ Physics Lab II [S1/S2]

CAC

CHM 101   General Chemistry I
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/Analytic Geo II or
MAT 231   Analyt Geom/Calc II &
MAT 240   Calc/Analytic Geo III or
MAT 241   Analyt Geom/Calc III
MAT 262   Ordin Diff Equations
PHY 261   University Phys I &
PHY 262   University Phys II

ENGINEERING CORE

ECE 100   Intro Engr Design [N3] No CAC equivalent
ECE 210   Engr Mech I/Statics
EGR 202   Eng Mechan/Statics

Approved by Marilyn L. Hart
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. 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.