



Arizona State University

ASU Main Campus

1998-99 TRANSFER GUIDE

FOR EASTERN ARIZONA COLLEGE

Bachelor of Science in Engineering

Mechanical 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.

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 602/965-7788 (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 (602) 965-3291.

(602) 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. International students 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 lower-division courses. After completing a minimum of 30 semester hours of required or approved elective courses with a cumulative GPA equivalent to that required of transfer students, 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.

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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)

ENG 101 & 102 First-Year Comp

or

ENG 105 Adv First-Year Comp

or

ENG 107 & 108 Eng Foreign Students

ENG 101 & 102 Written Communications

No EAC equivalent

No EAC equivalent

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GENERAL STUDIES REQUIREMENTS^{1,2}

Students completing the Transfer General Education Core Curriculum (TGECC) 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

CHM 114	General Chemistry for Engineers [S1/S2]	No EAC equivalent
or		
CHM 113	General Chemistry [S1/S2]	CHM 151 General Chemistry I
and		
CHM 116	General Chemistry [S1/S2]	CHM 152 General Chemistry II
ECN 111	Macroeconomic Principles [SB]	BUA 221 Prin of Macroeconomics
or		
ECN 112	Microeconomic Principles [SB]	BUA 223 Prin of Microeconomics
MAT 242	Elementary Linear Algebra	No EAC equivalent
MAT 270	Cal/Analytic Geo I [N1]	MAT 220 Calculus I
MAT 271	Cal/Analytic Geo II [N1]	MAT 230 Calculus II
		or
		MAT 231 Calculus
MAT 272	Cal/Analytic Geo III [N1]	MAT 240 Calculus III
		or
		MAT 241 Calculus and Diff Equations
		or
		MAT 245 Calculus and Diff Equations
MAT 274	Elem Diff Equations [N1]	MAT 241 Calculus and Diff Equations
		or
		MAT 245 Calculus and Diff Equations
		or
		MAT 260 Differential Equations
PHY 121	Univ Physics I: Mech [S1/S2] &	PHY 211 Physics with Calculus &
PHY 122	Univ Physics Lab I [S1/S2] &	PHY 212 Physics with Calculus
PHY 131	Univ Physics II: Elec and Magnetism [S1/S2] &	
PHY 132	Univ Physics Lab II [S1/S2]	

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ENGINEERING CORE

ECE 100 Intro Engrg Design [N3]

No EAC equivalent

Approved by Marilyn L. Hart
Coordinator, Academic Administration

Date

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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.