Arizona State University
ASU Main Campus
FALL 2000 TRANSFER GUIDE
FOR THE MARICOPA COMMUNITY COLLEGES
Bachelor of Science in Engineering
Industrial 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.

Industrial Engineers are responsible for the integration of people, material, capital, energy, and equipment into an efficient and productive system. This degree will provide you with the skills necessary to be a leader in helping American organizations retain their global competitiveness. 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) 965-3185
Undergraduate Student Coordinator
Department of Industrial Engineering
College of Engineering and Applied Sciences
Arizona State University
Tempe, Arizona 85287-5906

SCHOOL OF ENGINEERING ADMISSION CRITERIA
In addition to the University admission requirements, transfer students must also consider the following:
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 lower-division coursework. 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

**MCCCD**
- ENG 101 & 102 First-Year Composition
- No MCCCD equivalent
- ENG 107 & ENG 108 First-Yr Comp for ESL
GENERAL STUDIES REQUIREMENTS\(^1,2\)

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), 6 credits that meet C, G and H. 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

<table>
<thead>
<tr>
<th>ASU</th>
<th>MCCCD</th>
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<tbody>
<tr>
<td>CHM 114 Gen Chemistry for Engineers [SQ]</td>
<td>No MCCCD equivalent</td>
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<tr>
<td>or CHM 113 General Chemistry [SQ] and CHM 116 General Chemistry [SQ]</td>
<td>CHM 151 General Chemistry I &amp; CHM 151LL General Chemistry I Lab</td>
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<tr>
<td>CSE 100 Principles of Programming C++ [CS]</td>
<td>CSC 100 Intro to Computr Science</td>
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<tr>
<td>or ECN 112 Microeconomic Principles [SB]</td>
<td>ECN 111 Macroeconomic Principles</td>
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<tr>
<td>MAT 242 Elementary Linear Algebra</td>
<td>MAT 225 Elementary Linear Algebra*</td>
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<tr>
<td>MAT 270 Cal/Analytic Geo I [MA]</td>
<td>MAT 220 Analytic Geom &amp; Calc I or MAT 221 Calc Analytic Geom I</td>
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<tr>
<td>MAT 271 Cal/Analytic Geo II [MA]</td>
<td>MAT 230 Analytic Geom &amp; Calc II or MAT 231 Calc Analytic Geom II</td>
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<tr>
<td>MAT 272 Cal/Analytic Geo III [MA]</td>
<td>MAT 241 Calc Analytic Geom III</td>
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<td>MAT 274 Elem Diff Equations [MA]</td>
<td>MAT 262 Differential Equations</td>
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<tr>
<td>ECE 100 Intro Engrg Design [CS]</td>
<td>ECE 102 Eng Analysis Tools/Tech &amp; ECE 103 Engr Problm Solve/Design</td>
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<td>or ECE 102 Eng Analysis Tools/Tech &amp; ECE 103AB Engr Problm Solve/Design</td>
<td>or ECE 102AA Eng Analysis Tools/Tech &amp; ECE 103 Engr Problm Solve/Design</td>
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<tr>
<td>or ECE 210 Engr Mech I:Statics</td>
<td>ECE 211 Engineering Mech-Statics</td>
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<td>ECE 312 Engr Mech II:Dynamics</td>
<td>ECE 212 Engineering Mech-Dynamic</td>
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EG-26
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. In order to meet all three awareness areas (C, G, H), courses may be selected that simultaneously meet more than one area; however, a minimum of two different courses (6 credits) must be taken.

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.