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

Students applying for admission with transferable hours must meet transfer GPA, freshman aptitude, and competency requirements [www.asu.edu/admissions/applyingtoasu](http://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.

The Aerospace Engineering undergraduate curriculum includes the study of flight mechanics, aerospace structures and materials, aerodynamics and propulsion. These subjects provide the foundation necessary for design of aircraft and space vehicles. 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 more information, call or write:

(480) 965-3291  
Vice Chair for Aerospace 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

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)

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<tr>
<th>ASU</th>
<th>MCCCD</th>
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<tr>
<td>ENG 101 &amp; 102  First-Year Comp</td>
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<td>ENG 105 Adv First-Year Comp</td>
<td>No MCCCD equivalent</td>
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<td>or</td>
<td>ENG 107 &amp; ENG 108 Eng Foreign Students</td>
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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), 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

ASU

CHM 114  Gen 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

MCCCD

CHM 151  General Chemistry I &
CHM 151 LL  General Chemistry I Lab

CHM 152  General Chemistry II &
CHM 152 LL  General Chemistry II Lab

ECN 111  Macroeconomic Principles

MAT 225  Elementary Linear Algebra*
* MAT 225 satisfies [MA] requirements.

CHM 151  General Chemistry I &
CHM 151 LL  General Chemistry I Lab

CHM 152  General Chemistry II &
CHM 152 LL  General Chemistry II Lab

ECN 112  Microeconomic Principles

MAT 225  Elementary Linear Algebra*
* MAT 225 satisfies [MA] requirements.

MAT 270  Cal/Analytic Geo I [MA]
or
MAT 220  Analytic Geom & Calc I

MAT 271  Cal/Analytic Geo II [MA]
or
MAT 221  Calc Analytic Geom I

MAT 272  Cal/Analytic Geo III [MA]
or
MAT 221  Calc Analytic Geom II

MAT 274  Elem Diff Equations [MA]
or
MAT 221  Calc Analytic Geom III

MAT 222  Calculus I &

MAT 230  Analytic Geo & Calc II

PHY 121  Univ Physics I:Mech [SQ] &
PHY 122  Univ Physics Lab I [SQ] &

PHY 131  Univ Physics II:Elec & Magnetsm [SQ] &
PHY 132  Univ Physics Lab II [SQ]
or

PHY 115  University Physics I &

PHY 116  University Physics II

PHY 121  Univ Physics I:Mechanics &
PHY 131  Univ Phy II:Elec/Magnetsm

ENGINEERING CORE

ECE 100  Intro Engr Design [CS]

ECE 102  Eng Analysis Tools/Tech &

ECE 103  Engr Problm Solve/Design

or

ECE 102  Eng Analysis Tools/Tech &

ECE 103  Engr Problm Solve/Design

or

ECE 103AB  Eng Analysis Tools/Tech &
ECE 103  Engr Problm Solve/Design

or

ECE 102AA  Eng Analysis Tools/Tech &
ECE 103AB  Engr Problm Solve/Design

ECE 210  Engr Mech I:Statics

ECE 211  Engineering Mech-Statics

ECE 312  Engr Mech II:Dynamics

ECE 212  Engineering Mech-Dynamic

Approved by Marilyn L. Hart  Date  7/19/00
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. 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.