Arizona State University
ASU East Campus
FALL 2000 TRANSFER GUIDE
FOR THE MARICOPA COMMUNITY COLLEGES
Bachelor of Science
Aeronautical Engineering Technology Major

Students applying for admission with transferable hours must meet transfer GPA, freshman aptitude, and competency requirements. 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.

Aeronautical Engineering Technology is a math/science-oriented program of study that is designed to prepare the engineering technologist for technical support of engineering activities throughout the aviation and aerospace fields. High school chemistry and physics are recommended. Students lacking the required math background must take appropriate deficiency courses prior to entry or immediately upon enrollment at ASU. For further information, call or write:
(480) 727-1584
Department of Manufacturing and Aeronautical Engineering Technology
Arizona State University - East Campus
7442 East Tillman Ave.
Mesa, Arizona 85212

COLLEGE OF TECHNOLOGY AND APPLIED SCIENCES ADMISSION CRITERIA
1. A minimum 2.25 GPA is required from resident community college transfer students.
2. A minimum 2.50 GPA is required from nonresident community college transfer students.
3. Transfer students are encouraged to have completed college algebra and trigonometry.
4. A preprofessional category of admission is available for applicants deficient in College of Technology and Applied Sciences admission requirements.
5. Students admitted to the preprofessional program are restricted to lower-division courses until they achieve the required GPA, at which time they are considered for admission to the professional program.
6. International students must also submit an acceptable TOEFL score in addition to meeting the minimum GPA requirements.

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)

<table>
<thead>
<tr>
<th>ASU</th>
<th>MCCCD</th>
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<tbody>
<tr>
<td>ENG 101 &amp; 102 First-Year Comp</td>
<td>ENG 101 &amp; 102 First-Year Composition</td>
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<tr>
<td>Or</td>
<td>No MCCCD equivalent</td>
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<tr>
<td>ENG 105 Adv First-Year Comp</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.

Select credits from General Studies Guides as follows: 3 L credits, 6 or 9 HU credits, 3 or 6 SB credits, 3 C credits, 3 G credits, and 3 H credits. Additional and/or mandated General Studies requirements, if any, are listed in the Major Requirements section with designation in brackets.
MAJOR REQUIREMENTS

**ASU**
CHM 113  General Chemistry [SQ]  
or  
CHM 114  General Chem for Engrs [SQ]  

MAT 260  Tech Calc I [MA]  

MAT 261  Tech Calc II [MA]  

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

MAT 260  Tech Calc I  
or  
MAT 220  Analytic Geom & Calc I*  
or  
MAT 221  Calc Analytic Geom I*  

*Transfer in lieu of MAT 260 for Technology majors.

MAT 261  Tech Calc II  
or  
MAT 226  Technical Calculus II  
or  
MAT 230  Analytic Geom & Calc II*  
or  
MAT 241  Calc Analytic Geom III*  

*Transfers in lieu of MAT 261 for Technology majors.

MET 231  Mfg Processes  

PHY 111  General Physics [SQ] &  
PHY 113  General Physics Lab [SQ]  

PHY 112  General Physics [SQ] &  
PHY 114  General Physics Lab [SQ]  

PHY 111  General Physics I  

GTC 102  Machn Proc, Theory, & Appl &  
GTC 203  Machine Tools  
or  
MET 150  Machining Practices I &  
MET 250  Machining Practices II  
or  
MET 203  Machine Tools &  
MET 260  Tooling & Fixturing  

PHY 112  General Physics II
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ENGINEERING TECHNOLOGY CORE

<table>
<thead>
<tr>
<th>ASU</th>
<th>MCCC</th>
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<tr>
<td>ETC 100 Languages of Technology [CS]</td>
<td>ETC 100 CAD 154 Dimension &amp; Tolerancing* or CAD 268 Operations Sheets (OSS)* or CAD 280 Adv Parametric Modeling* or <em>CAD 154 or CAD 268 or CAD 280 plus a Visual Basic or DFT 252AA ACAD for Manufacturing</em> or MET 252AA ACAD for Manufacturing* *Plus a C, C++ or a Visual Basic Programming course.</td>
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<tr>
<td>ETC 201 Appl Elec Sci</td>
<td>ELE 111 DC Circuit Analysis &amp; ELE 112 AC Circuit Analysis or ELE 113 DC Circuit Analysis &amp; ELE 114 AC Circuit Analysis</td>
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<tr>
<td>ETC 211 Appld Engr Mechanics Statics</td>
<td>ECE 211 Engineering Mech-Statics</td>
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<tr>
<td>AET 312 Appld Engr Mechanics: Dynamics</td>
<td>ECE 212 Engineering Mech-Dynamic</td>
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Approved by Dr. Scott Danielson  
Chair  
Approved by Dr. Lakshmi Munukutla  
Associate Dean of Academic Affairs  

Date  

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, even if approved for those areas. A course may satisfy two awareness areas concurrently.

2. When selecting HU or SB core courses, students must keep in mind that at least one course within the 15 semester hours **must** be an upper-division course taken only at ASU.