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

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.

The field of Electronics Engineering Technology applies mathematical, scientific, and economic principles, along with state-of-the-art electronic techniques, materials, and devices to solve industrial and commercial problems and to produce useful products. Students who meet university and school admission standards are admitted directly into the professional program. However, those who miss meeting any item in the school admission criteria will be admitted to the preprofessional program until the deficiency is covered. For more information, call or write:
(480) 727-1137
Chair
Department of Electronics and Computer Engineering Technology
Arizona State University - East Campus
7001 E. Williams Field Road, Bldg 50
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, trigonometry, and one semester of calculus.
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 or ENG 105 Adv First-Year Comp or ENG 107 &amp; ENG 108 Eng Foreign Students</td>
<td>ENG 101 &amp; 102 First-Year Composition No MCCCD equivalent ENG 107 &amp; ENG 108 First-Yr Comp for ESL</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 the ASU General Studies Guides (http://www.asu.edu/provost/articulation/maricopa_main.html#gsr)
CAS General Studies Insert as follows: 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.
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MAJOR REQUIREMENTS

ASU
CHM 113 General Chemistry [SQ]
ECN 111 Macroeconomic Principles [SB]
ECN 112 Microeconomic Principles [SB]
MAT 170 Precalculus [MA]

MCCCD
CHM 151 General Chemistry I &
CHM 151LL General Chemistry I Lab
ECN 111 Macroeconomic Principles
ECN 112 Microeconomic Principles
MAT 150 College Algebra Concepts* &
MAT 152 College Algebra* &
MAT 151 College Algebra/Functions* &
MAT 182 Plane Trigonometry*
MAT 182 Plane Trigonometry*
MAT 187 Precalculus
MAT 187 Precalculus

MAT 260 Tech Calc I [MA]
ELT 201 Calc for Electronics I* &
ELT 202 Calc for Electronics II*
*ELT201 & ELT202 together are accepted in lieu of MAT260 [MA] for Electronics and Computer Engineering Technology Majors.
MAT 216 Technical Calculus I
MAT 220 Analytic Geom & Calc I*
MAT 221 Calc Analytic Geom I*
MAT 226 Technical Calculus II
MAT 230 Analytic Geom & Calc II*
MAT 241 Calc Analytic Geom III*
MAT 236 Technical Calculus III
MAT 262 Differential Equations*

MAT 261 Tech Calc II [MA]
MAT 261 Tech Calc II [MA]
MAT 262 Tech Calc III [MA]

PHY 111 General Physics [SQ]&
PHY 113 General Physics Lab [SQ]
PHY 112 General Physics [SQ]&
PHY 114 General Physics Lab [SQ]

ENGINEERING TECHNOLOGY CORE
EET 208 Electric Circ Analysis I

ETC 100 Languages of Technology [CS]

ELE 108 Electric Circuits
ELE 115 Network Analysis
ELT 115 Math for Electronics III
SMT 108 Electric Circuits
CAD 154 Dimension & Tolerancing*
CAD 268 Operations Sheets (OS’S)*
CAD 280 Adv Parametric Modeling*
*CAD 154 or CAD 268 or CAD 280 plus a C, C++, Visual Basic or Java computer programming course transfers to ASU as ETC 100 [CS]
DFT 105AA CAD I: Autocad*
MET 105AA CAD I: Autocad*
*Plus a C, C++, Visual Basic or Java Programming course transfers as ETC 101 [CS] and ETC 101.
MET 264 Manufacturing Process Plan*
* Plus a C, C++, Visual Basic or Java computer programming course transfers to ASU as ETC 100 [CS]
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**ASU**
ETC 211  Appld Engr Mechanics Statics

**MCCCD**
ECE 211  Engineering Mech-Statics

**Electronics Engineering Technology Core**

<table>
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<tr>
<th>ASU</th>
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<tbody>
<tr>
<td>CET 150</td>
<td>ELE 131</td>
</tr>
<tr>
<td>Digital Systems I [CS]</td>
<td>Digital Logic &amp; Circuits &amp;</td>
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<tr>
<td></td>
<td>ELE 241</td>
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<tr>
<td></td>
<td>Microprocessor Concepts</td>
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<td></td>
<td>or</td>
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<tr>
<td>ELE 150</td>
<td>Dig Sys/Microprocessors</td>
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<tr>
<td>or</td>
<td>ELT 241</td>
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<td></td>
<td>Microcontrollers</td>
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<td>or</td>
<td>ELT 282</td>
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<td>or</td>
<td>SMT 150</td>
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<td>Dig Sys/Microprocessors</td>
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| UET 331      | ELE 231        |
| Electronic Mats | Semicond Mat/Dev/Circuit |
|              | Or             |
|              | SMT 231        |
|              | Semicond Mat/Dev/Circuit |

**Option Requirements**
Contact an ASU advisor at 480-727-1137 regarding course selection in these areas: Electronic Systems, Microelectronics, Telecommunications Systems.

**Microelectronics Option**

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<tr>
<th>ASU</th>
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<tbody>
<tr>
<td>CHM 116</td>
<td>CHM 152</td>
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<tr>
<td>General Chemistry [SQ]</td>
<td>General Chemistry II &amp;</td>
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<tr>
<td></td>
<td>CHM 152LL</td>
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<tr>
<td></td>
<td>General Chemistry II Lab</td>
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Approved by Dr. Robert Nowlin
Department 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.