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.

Arizona State University offers a program leading to a Bachelor of Science degree in Manufacturing Engineering Technology, with two areas of emphasis:

1. Manufacturing Engineering Technology. This area of emphasis prepares students with a broad view of the casting, forming, machining, and fabrication processes employed by modern industry.
2. Mechanical Engineering Technology. This area of emphasis prepares the students for mechanical design and testing tasks in product-oriented industries.

For further information, call or write:
(602) 727-1584
Chair
Department of Manufacturing and Aeronautical Engineering Technology
Arizona State University - East Campus
6001 South Power Road
Mesa, Arizona 85206

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.

ASU

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)
ENGL 101 & 102 First-Year Comp
or
ENGL 105 Adv First-Year Comp
or
ENGL 107 & 108 Eng Foreign Students
WRT 101 & 102 Writing I & II
or
No PCC equivalent
or
WRT 107 & 108 Writing I & II/Intnatl Stu

GENERAL STUDIES REQUIREMENTS
Select credits from CEG General Studies Insert as follows: 3 L1 credits, 6 or 9 HU credits, 6 or 9 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.

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)
ENGL 101 & 102 First-Year Comp
or
ENGL 105 Adv First-Year Comp
or
ENGL 107 & 108 Eng Foreign Students
WRT 101 & 102 Writing I & II
or
No PCC equivalent
or
WRT 107 & 108 Writing I & II/Intnatl Stu

GENERAL STUDIES REQUIREMENTS
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.

Select credits from CEG General Studies Insert as follows: 3 L1 credits, 6 or 9 HU credits, 6 or 9 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 [S1/S2]
- CHM 114 Gen Chem for Engineers [S1/S2]
- ECN 111 Macroeconomic Principles [SB]
- ECN 112 Microeconomic Principles [SB]
- ETC 200 Impact Comm Tech Society [L1]
- COM 225 Public Speaking [L1]
- MAT 170 Precalculus [N1]
- MAT 260 Tech Calc I [N1]
- MAT 261 Tech Calc II [N1]
- MAT 262 Tech Calculus III [N1]
- MET 231 Mfg Processes
- MET 300 Applied Materials Science
- MET 345 Adv Mfy Process
- MET 346 Numl Cntrl Pt to Pt
- PHY 111 General Physics [S1/S2] &
- PHY 113 General Physics Lab [S1/S2]
- PHY 112 General Physics [S1/S2] &
- PHY 114 General Physics Lab [S1/S2]

**PCC**

- CHM 151 General Chemistry I
- No PCC equivalent
- ECN 202 Macroeconomic Principles
- ECN 201 Microeconomic Principles
- No PCC equivalent
- SPE 110 Public Speaking
- MAT 151 College Algebra &
- MAT 182 Trigonometry
- MAT 182A Trigonometry - Module A &
- MAT 182 B Trigonometry - Module B &
- MAT 182 C Trigonometry - Module C
- MAT 187 Precalculus
- MAT 220 Calculus I*
- MAT 231 Calculus II*
- MAT 241 Calculus III*
- MAT 262 Differential Equations*
- MAC 110 Machine Shop I &
- MAC 120 Machine Shop II
- MAC 280 Machine Shop III
- MAC 285 Physical Metallurgy
- MAC 281 Machine Shop for Techs IV
- MAC 250 CNC Mill Programming I &
- MAC 255 CNC Mill Programming II
- MAC 260 Comp Num Cntrl III: Lathe &
- MAC 265 Comp Num Cntrl IV: Prod Tech
- PHY 121 Introductory Physics I
- PHY 122 Introductory Physics II
# Manufacturing Engineering Technology

## ASU

### Engineering Technology Core

<table>
<thead>
<tr>
<th>ASU</th>
<th>PCC</th>
</tr>
</thead>
<tbody>
<tr>
<td>ETC 100</td>
<td>DFT 101</td>
</tr>
<tr>
<td>Languages of Technology [N3]</td>
<td>Print Read/Sketchn * &amp;</td>
</tr>
<tr>
<td>DFT 180</td>
<td>CAD: 2D Fundamentals *</td>
</tr>
<tr>
<td></td>
<td>Both DFT 101 &amp; DFT 180 must be taken together, along with a computer language course (Fortran, “C”, or Pascal) to be equivalent to ETC 100 [N3] for MET, IND, and Aerotech majors.</td>
</tr>
<tr>
<td>or DFT 256</td>
<td>CAD: Mechanical Design I**</td>
</tr>
<tr>
<td></td>
<td>DFT 256 must be taken with a computer language course (Fortran, “C”, or Pascal) to be equivalent to ETC 100 [N3] for MET, IND, and Aerotech majors.</td>
</tr>
<tr>
<td>or DFT 257</td>
<td>CAD: Mechanical Design II ***</td>
</tr>
<tr>
<td></td>
<td>DFT 257 must be taken with a computer language course (Fortran, “C”, or Pascal) to be equivalent to ETC 100 [N3] for MET, IND, and Aerotech majors.</td>
</tr>
<tr>
<td>ETC 201</td>
<td>ETR 101</td>
</tr>
<tr>
<td>Applied Electrical Science</td>
<td>Basic DC Elec Circuit Anal &amp;</td>
</tr>
<tr>
<td>ETR 102</td>
<td>Basic AC Elec Circuit Anal</td>
</tr>
</tbody>
</table>

Approved by Dr. Dale Palmgren  
Chair

Approved by Dr. Lakshmi Munukutla  
Associate Dean of Academic Affairs

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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 in one of these two core areas must be in the same department; 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 15 semester hours **must** be an upper-division course taken only at ASU.