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.

For more information, call or write:
(602) 965-3561
Department of Physics
Arizona State University
Tempe, Arizona 85287-1504

COLLEGE OF LIBERAL ARTS AND SCIENCES (CLAS) ADMISSION CRITERIA
1. General University requirements satisfy the admission requirements of this program.
2. Calculus (MAT 270) is a prerequisite of the first course within the physics core.

ASU
MCCCD
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 transferrable 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)
ENG 101 & 102  First-Year Comp
or
ENG 105 Adv First-Year Comp
or
ENG 107 & 108 Eng Foreign Students

GENERAL STUDIES REQUIREMENTS/COLLEGE DISTRIBUTION 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 (those that transfer as ENG, GPH, PHI, PSY, or DEC(REL) are recommended); 3 N1 credits and 3 N2 or N3 credits (those that transfer as CSE, PSY or STP are recommended); 9 HU credits (except those that transfer as ASB 222, FRE 205, LAT 201, LAT 202, DEC(WST), and "E" (maximum 6 hours from those that transfer as ARS, MUS, THE); 9 SB credits (except those that transfer as ASM, COM, JUS, REC, DEC(FAS), MCCCD's CFS 157 and "E"); 3 C credits (except those that transfer as COM, MCE, and "E"); 3 G credits (except those that transfer as COM, and "E"); 3 H credits (except those that transfer as INT, SWU and "E"). Additional and/or mandated General Studies requirements, if any, are listed in the Major Requirements section with designation in brackets.

COLLEGE PROFICIENCY REQUIREMENTS
Requires knowledge of a second language equivalent to the completion of two years study at the college level. Courses in American Sign Language also satisfy the requirement. (See the 1998-99 Catalog for further information.) Select language courses that transfer to ASU at the 101, 102, 201, 202, 203, 204 and/or 205 level, or courses that transfer to ASU as SHS 174, SHS 175, SHS 274 and SHS 275.
ASU 1998-99 Transfer Guide for the Maricopa Community Colleges
Bachelor of Science (page 2 of 2)
Physics/Options 1 and 2

ASU  

MAJOR REQUIREMENTS
While still a student at a MCCCD college, contact the department academic advisor. Only those required courses which have MCCCD course equivalents are listed below.

**OPTION 1 AND OPTION 2**

<table>
<thead>
<tr>
<th>ASU Course</th>
<th>MCCCD Course</th>
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</thead>
<tbody>
<tr>
<td>MAT 270</td>
<td>MAT 220 Cal/Analytic Geo I [N1] &amp; Analytic Geom &amp; Calc I</td>
</tr>
<tr>
<td>MAT 271</td>
<td>MAT 221 or MAT 230 Cal/Analytic Geo II [N1] &amp; Analytic Geom &amp; Calc II</td>
</tr>
<tr>
<td>MAT 272</td>
<td>MAT 231 or MAT 241 Cal/Analytic Geo III [N1] &amp; Cal Analytic Geom II</td>
</tr>
<tr>
<td>MAT 290</td>
<td>MAT 290 * Calculus I [N1] * &amp; Calculus II *</td>
</tr>
<tr>
<td>MAT 291</td>
<td>MAT 291 *</td>
</tr>
</tbody>
</table>

*The calculus sequences (MAT 220, MAT 231 & MAT 241) or (MAT 220, MAT 230 & MAT 241) or (MAT 221, MAT 231 & MAT 241) or (MAT 221, MAT 230 & MAT 241) transfer to ASU as either (MAT 270, MAT 271 & MAT 272) or (MAT 290 & MAT 291). Course by course equivalency may be granted to MAT 270, MAT 271 & MAT 272. However, to assure continuity of instruction, completion of an entire sequence at one institution is recommended.

<table>
<thead>
<tr>
<th>ASU Course</th>
<th>MCCCD Course</th>
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<tbody>
<tr>
<td>PHY 121</td>
<td>PHY 115 Univ Physics I:Mech [S1] * &amp; University Physics I &amp;</td>
</tr>
<tr>
<td>PHY 122</td>
<td>PHY 116 Univ Physics Lab I [S1] * &amp; University Physics II</td>
</tr>
<tr>
<td>PHY 131</td>
<td>PHY 121 Univ Physics II:Elec and Magnetism [S2] * &amp; Univ Physics I: Mechanics &amp;</td>
</tr>
<tr>
<td>PHY 132</td>
<td>PHY 131 Univ Physics Lab II [S2] * OR the sequence [PHY 150, 151] fulfills the requirement Univ Physics II: Elec/Magnetsm</td>
</tr>
</tbody>
</table>

* Either the ASU sequence [PHY 121, 122, 131, 132] OR the sequence [PHY 150, 151] fulfills the requirement for the ASU physics major.

<table>
<thead>
<tr>
<th>ASU Course</th>
<th>MCCCD Course</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHY 252</td>
<td>PHY 252 Univ Phy III:Th/Op/WaPhe</td>
</tr>
</tbody>
</table>

Approved by Dr. Howard Voss
Department Chair

Dr. Leonard Gordon
Associate Dean for Academic Programs
College of Liberal Arts and Sciences

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.