Arizona State University
ASU Main Campus
1998-1999 TRANSFER GUIDE
FOR ARIZONA WESTERN COLLEGE
Bachelor of Science
Chemistry
Biochemistry Emphasis

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) 965-3461
Undergraduate Programs Committee
Department of Chemistry & Biochemistry
Arizona State University
Tempe, Arizona 85287-1604

COLLEGE OF LIBERAL ARTS (CLAS) ADMISSION CRITERIA
General university requirements satisfy the admission requirements of this program.

ASU
AWC
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 PHI 103 are recommended), 3 N2 or N3 credits (those that transfer as CSE or STP are recommended), 9 HU credits (maximum 6 hours from ARS, MUS, THE), 9 SB credits (except those that transfer as CDE, COM, JUS, REC and “E”), 3 C credits, 3 G credits (except those that transfer as AGB 453), and 3 H credits (except those that transfer as SWU). 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 1998-1999 Transfer Guide for Arizona Western College
Bachelor of Science (page 2 of 2)
Chemistry/Biochemistry Emphasis

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

<table>
<thead>
<tr>
<th>ASU</th>
<th>AWC</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIO 181  General Biology [S1/S2] &amp;</td>
<td>BIO 181  Gen Biology (Majors) I</td>
</tr>
<tr>
<td>BIO 182  General Biology [S2]</td>
<td>BIO 182  Gen Biology (Majors) II</td>
</tr>
<tr>
<td>CHM 113  General Chemistry [S1/S2]</td>
<td>CHM 151  General Chemistry I</td>
</tr>
<tr>
<td>CHM 325  Analytical Chemistry</td>
<td>CHM 220  Quant Analytical Chem *</td>
</tr>
<tr>
<td>MAT 270  Cal/Analytic Geo I [N1] &amp; MAT 271  Cal/Analytic Geo II [N1] &amp; MAT 272  Cal/Analytic Geo III [N1] or MAT 290  Calculus I [N1] MAT 291  Calculus II</td>
<td>MAT 221  Calc I w/Analytic Geom MAT 231  Calc II w/Analytic Geom MAT 241  Analytic Geom &amp; Calc III No AWC equivalent No AWC equivalent</td>
</tr>
<tr>
<td>PHY 121  Univ Physics I:Mech [S1/S2] &amp; PHY 122  Univ Physics Lab I [S1/S2]</td>
<td>PHY 221  General Physics</td>
</tr>
<tr>
<td>PHY 131  Univ Physics II:Elect &amp; Magnetism [S1/S2] &amp; PHY 132  Univ Physics Lab II [S1/S2]</td>
<td>PHY 222  General Physics</td>
</tr>
</tbody>
</table>

Comment: Chemistry majors should be advised to take ASU’s PHY 294.

RECOMMENDED COURSES

<table>
<thead>
<tr>
<th>ASU</th>
<th>AWC</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSE 183  Applied Prob Solving with Fortran [N3]</td>
<td>MAT 260  Programming Fortran</td>
</tr>
<tr>
<td>MAT 274  Elem Diff Equations [N1]</td>
<td>MAT 262  Intro Ordin Diff Equations</td>
</tr>
</tbody>
</table>

Approved by Dr. Theodore Brown
Associate 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.