Arizona State University
ASU Main Campus
1999-2000 TRANSFER GUIDE
FOR NORTHLAND PIONEER COLLEGE
Bachelor of Science
Chemistry

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:
(480) 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.

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 should not be repeated but will not count toward the required number of upper division credit hours.

FIRST YEAR COMPOSITION (3-6)

<table>
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<tr>
<th>ASU</th>
<th>NPC</th>
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<tbody>
<tr>
<td>ENG 101 &amp; 102 First-Year Comp</td>
<td>ENL 101 &amp; 102 College Composition I &amp; II</td>
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<tr>
<td>or</td>
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<tr>
<td>ENG 105 Adv First-Year Comp</td>
<td>No NPC equivalent</td>
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<td>or</td>
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<tr>
<td>ENG 107 &amp; ENG 108 Eng Foreign Students</td>
<td>No NPC equivalent</td>
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GENERAL STUDIES REQUIREMENTS/COLLEGE DISTRIBUTION 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 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 (except those that transfer as COM) (maximum 6 hours from ARS, MUS, THE), 9 SB credits (except those that transfer as COM or JUS), 3 C credits, 3 G credits, 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 current 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.
MAJOR REQUIREMENTS
While still a student at NPC, contact the department academic advisor. Only those required courses which have NPC course equivalents are listed below.

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<tr>
<th><strong>ASU</strong></th>
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<tr>
<td>CHM 113 General Chemistry [S1/S2]</td>
<td>CHM 151 General Chemistry I</td>
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<tr>
<td>CHM 115 General Chemistry with Qual Analysis [S1/S2]</td>
<td>No NPC equivalent</td>
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<tr>
<td>CHM 331 General Organic Chem &amp;</td>
<td>CHM 235 Organic Chemistry</td>
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<tr>
<td>CHM 335 Gen Organic Chem Lab</td>
<td>CHM 236 Organic Chemistry II</td>
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<tr>
<td>CHM 332 Gen Organic Chem &amp;</td>
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<tr>
<td>CHM 336 Gen Organic Chem Lab</td>
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MAT 270 Cal/Analytic Geo I [N1] &
MAT 271 Cal/Analytic Geo II [N1] &
MAT 272 Cal/Analytic Geo III [N1]
MAT 274 Elem Diff Equations [N1]

MAT 221 Calc & Analyt Geometry I
MAT 231 Calc & Analyt Geometry II
MAT 241 Calc & Analyt Geometry III
MAT 261 Intro Differential Equat

Comment: Chemistry majors should be advised to take ASU’s PHY 241.

Approved by Dr. Seth Rose  
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.