Arizona State University
ASU Main Campus
1998-99 TRANSFER GUIDE
FOR NORTHLAND PIONEER COLLEGE
Bachelor of Science
Biology: Zoology
This major is only available to students qualifying for the 1996-98 catalog year
or earlier catalog years.

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) 965-5340
Undergraduate Advisor
Department of Biology
Arizona State University
Tempe, Arizona 85287-1501

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

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 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
No NPC equivalent

NPC
ENL 101 & 102 College Composition I & II
No NPC equivalent

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 COM and JUS), 6 credits from any two of C, G or H. 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.
Bachelor of Science (page 2 of 2)
Biology: Zoology

ASU

NPC

**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.

**REQUIRED COURSES FOR MAJOR**

<table>
<thead>
<tr>
<th>ASU</th>
<th>NPC</th>
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<tbody>
<tr>
<td>BIO 181 General Biology [S1/S2]</td>
<td>BIO 181 General Biology I</td>
</tr>
<tr>
<td>BIO 182 General Biology [S2]</td>
<td>BIO 182 General Biology II</td>
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**REQUIRED SUPPLEMENTARY COURSES**

<table>
<thead>
<tr>
<th>ASU</th>
<th>NPC</th>
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<tbody>
<tr>
<td>CHM 113 General Chemistry [S1/S2]</td>
<td>CHM 151 General Chemistry I</td>
</tr>
<tr>
<td>CHM 115 Gen Chemistry with Qualit 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 General Organic Chem Lab</td>
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It is recommended that the one year organic chemistry sequence CHM 331/335 and CHM 332/336 be taken at ASU to contribute to the upper division requirement.

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<tr>
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<tr>
<td>MAT 210 Brief Calculus [N1]</td>
<td>MAT 220 Technical Calculus</td>
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<tr>
<td>or MAT 270 Cal/Analytic Geo I [N1]</td>
<td>MAT 230 Calc &amp; Analyt Geometry I</td>
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<tr>
<td>PHY 111 General Physics [S1/S2] &amp;</td>
<td>PHY 113 General Physics I</td>
</tr>
<tr>
<td>PHY 113 General Physics Lab [S1/S2] and</td>
<td>PHY 114 General Physics II</td>
</tr>
<tr>
<td>PHY 112 General Physics [S1/S2] &amp;</td>
<td>PHY 114 General Physics II</td>
</tr>
<tr>
<td>PHY 114 General Physics [S1/S2]</td>
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Approved by Dr. James Collins  
Department Chair  
Dr. Leonard Gordon  
Associate Dean for Academic Programs  
College of Liberal Arts and Sciences

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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, even if approved for those areas. A course may satisfy two awareness areas concurrently.