Applied Biological Sciences (Applied Ecology and Preveterinary Medicine), BS

ASU is no longer accepting new students to this program. Please explore Degree Search for other similar program options.

Program Description

The applied ecology and preveterinary medicine concentration is designed for students who want a strong scientific foundation in animal biology and health. It is especially appropriate for students planning to enter graduate or professional programs in veterinary medicine, animal health, or wildlife biology and ecology, or to start careers related to wildlife biology, ecology, restoration and rangeland management. Public and private career options are diverse and include small- and large-animal veterinary medicine, wildlife veterinary medicine, domestic and wild animal care, animal biology, and habitat research and secondary education.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Polytechnic campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program.

At a Glance

- **College/School:** College of Integrative Sciences and Arts
- **Location:** Polytechnic campus [WUE](#)
- **Additional Program Fee:** No
- **Second Language Requirement:** No
- **First Required Math Course:** MAT 210 - Brief Calculus
- **Math Intensity:** Moderate

Required Courses (Major Map)
Accelerated Degrees

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Applied Biological Sciences, MS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

Admission Requirements

General University Admission Requirements:

All students are required to meet general university admission requirements.

Transfer Agreements

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Students should select their current institution to see if there is a partnership agreement between the institution and ASU for this degree program. Students who do not see their state or institution listed should check back as ASU is always working on creating new partnerships.

Transfer from a Maricopa Community College in Arizona

Select a college

- Chandler-Gilbert Community College
- Estrella Mountain Community College

Transfer from an Arizona Community College

Select a college

- Arizona Western College
- Central Arizona College
- Cochise College
- Coconino Community College

Transfer from another state

Select a state

- California
- Illinois
- Washington
- Another state
Global Opportunities

Global Experience

With over 250 programs in more than 65 countries (ranging from one week to one year), study abroad is possible for all ASU students wishing to gain global skills and knowledge in preparation for a 21st century career. Students earn ASU credit for completed courses, while staying on track for graduation, and may apply financial aid and scholarships toward program costs. [https://mystudyabroad.asu.edu/](https://mystudyabroad.asu.edu/).

Career Opportunities

Graduates can pursue numerous entry-level careers in animal health and nutrition. The program in applied biological sciences also prepares graduates to succeed in graduate or professional schools in disciplines such as:

- animal biology
- animal health
- veterinary medicine

Career examples include but are not limited to those shown in the following list. Advanced degrees or certifications may be required for academic or clinical positions.
<table>
<thead>
<tr>
<th>Career</th>
<th>*Growth</th>
<th>*Median Salary</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biological Sciences Professor</td>
<td>15.2%</td>
<td>$78,240</td>
</tr>
<tr>
<td>Farm Manager</td>
<td>6.3%</td>
<td>$61,480</td>
</tr>
<tr>
<td>Fish and Wildlife Biologist</td>
<td>7.6%</td>
<td>$62,290</td>
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<tr>
<td>Forestry Professor</td>
<td>7.8%</td>
<td>$87,420</td>
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<tr>
<td>Healthcare Professor</td>
<td>25.9%</td>
<td>$97,870</td>
</tr>
<tr>
<td>High School Teacher</td>
<td>7.5%</td>
<td>$59,170</td>
</tr>
<tr>
<td>Zoologist</td>
<td>5.9%</td>
<td>$60,760</td>
</tr>
</tbody>
</table>

* Data obtained from the Occupational Information Network (O*NET) under sponsorship of the U.S. Department of Labor/Employment and Training Administration (USDOL/ETA).

☀ Bright Outlook  🍃 Green Occupation

**Contact Information**

College of Integrative Sciences and Arts | SANCA 233

cisa@asu.edu | 480-727-1526