Biology, BA

Do you plan to pursue an advanced degree or a career in a scientific field? This biology program provides insights into how life and physical sciences intersect in the real world. You gain interactive and interdisciplinary experiences, including such opportunities as conducting hands-on research on cancer and Alzheimer's disease.

Program Description

The BA program in biology with an emphasis in the natural sciences examines the interdisciplinary nature of the life and physical sciences, focusing on the ways in which these disciplines intersect. The program's organization and flexibility allows students to simultaneously study another subject outside their major. Students are encouraged to add a minor or concurrent degree in another subject area.

Students gain hands-on experience as they work both in small groups and one-on-one with individual faculty members. Students may participate in cutting-edge scientific research by assisting in faculty research laboratories and even publish in top journals and present their results at regional and national scientific meetings.

This major is eligible for the Western Undergraduate Exchange program at the following location: West campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program.

At a Glance

- **College/School:** New College of Interdisciplinary Arts and Sciences
- **Location:** West WUE
- **Additional Program Fee:** Yes
• **Second Language Requirement:** No
• **First Required Math Course:** MAT 170 - Precalculus
• **Math Intensity:** Moderate

**Required Courses (Major Map)**

2022 - 2023 Major Map
Major Map (Archives)

**Concurrent Program Options**

Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options**

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:

- Biological Data Science, MS
- Communication Studies, MA
- Social Justice and Human Rights, MA
- Social Technologies, MA

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

**Admission Requirements**

**General University Admission Requirements:**
All students are required to meet general university admission requirements.  
First-year | Transfer | International | Readmission

**Change of Major Requirements**

A current ASU student has no additional requirements for changing majors.

Students should refer to https://changementor.appstate.edu for information about how to change a major to this program.

**Transfer Options**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU™ to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: https://admission.asu.edu/transfer/MyPath2ASU.

Global Opportunities

Global Experience
Unique experiences and community engagement help students stand out in a competitive field. With opportunities to intern, research and learn internationally, studying abroad can challenge students, improve language skills, and provide cultural immersion. The wide range of programs offered ensures that students can stay on track for graduation while taking classes in locations such as Singapore, South Korea or Australia. More information is available on the Global Education website.
https://goglobal.asu.edu/

Career Opportunities
Graduates are prepared for entry-level jobs in research, nonprofit, education and outreach organizations and for other roles in the life sciences.

Graduates have a wide variety of options, including pursuing graduate studies or seeking careers in areas that include:

- environmental management and conservation
- health professions
- laboratory research
- primary and secondary school teaching
- science advisement to businesses and government
- science writing

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 Scientist (General)</td>
<td>2.2%</td>
<td>$85,290</td>
</tr>
<tr>
<td>Climate Change Analyst</td>
<td>7.8%</td>
<td>$73,230</td>
</tr>
</tbody>
</table>

Page 3
<table>
<thead>
<tr>
<th>Occupation</th>
<th>5-Year Growth Rate</th>
<th>Average Annual Salary</th>
</tr>
</thead>
<tbody>
<tr>
<td>Geneticist</td>
<td>2.2%</td>
<td>$85,290</td>
</tr>
<tr>
<td>Health Sciences Manager</td>
<td>4.8%</td>
<td>$137,940</td>
</tr>
<tr>
<td>High School Teacher</td>
<td>3.8%</td>
<td>$62,870</td>
</tr>
<tr>
<td>Life Scientist</td>
<td>4.6%</td>
<td>$82,000</td>
</tr>
<tr>
<td>Medical Scientist</td>
<td>6.1%</td>
<td>$91,510</td>
</tr>
<tr>
<td>Microbiologist</td>
<td>3.1%</td>
<td>$84,400</td>
</tr>
<tr>
<td>Molecular Biologist</td>
<td>2.2%</td>
<td>$85,290</td>
</tr>
<tr>
<td>Zoologist</td>
<td>5.5%</td>
<td>$63,490</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**

School of Mathematical and Natural Sciences | FAB N100  
MNSadvising@asu.edu | 602-543-3000