Environmental Science, BS

ASENVBS

This program from ASU’s New College of Interdisciplinary Arts and Sciences empowers you with a diverse and practical set of skills in science, communication, critical thinking and leadership, enabling you to tackle any issue affecting our land, air and water systems.

Program Description

The BS program in environmental science is dedicated to finding solutions to the challenges posed by climate change.

The study of human impact on the earth's ecosystems and resources has become increasingly important over the past 20 years. This degree program is founded on established environmental basics, ensuring that students are well-versed in biological study including molecular, organismal and ecosystem biology. Students gain competency in chemistry, statistics and geographic information systems. Rounding out student preparation, the degree includes a focus on the management and communication skills necessary in various environmentally-specific careers.

The Bachelor of Science in environmental science prepares students to become graduates who will find innovative and sustainable solutions to today's critical environmental challenges, including pollution and climate change. The world-renown faculty conduct research across the globe and engage students in the process of creating new scientific knowledge that, in turn, will impact a rapidly changing world.

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 WUC, ASU at Lake Havasu

• Additional Program Fee: Yes
• Second Language Requirement: No
• First Required Math Course: MAT 170 - Precalculus
  or MAT 210 Brief Calculus or MAT 270 Calculus with Analytic Geometry I
• 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

  Environmental and Resource Management (Water Management), MS

  Environmental and Resource Management, MS

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://changemajor.apps.asu.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**

The natural world is complex and diverse, changing quickly from one biome to the next. Not only is the physical environment varied across the globe, so is the human treatment of it. Students who study abroad gain a deeper understanding of the global environment, how culture affects the environment and how to best communicate environmental research to a diverse audience. There are opportunities across the globe, including a summer trekking across New Zealand and a semester in Costa Rica. https://goglobal.asu.edu/

**Career Opportunities**

Career opportunities for graduates of this program include employment in federal and state agencies (such as the U.S. Bureau of Land Management, U.S. Environmental Protection Agency, U.S. Forest Service, etc.), private consulting firms and nongovernmental and nonprofit organizations. Graduates of the program are also well-qualified to pursue graduate studies in relevant areas of the natural sciences.

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>Climate Change Analyst</td>
<td>7.8%</td>
<td>$73,230</td>
</tr>
<tr>
<td>Environmental Analyst</td>
<td>5.1%</td>
<td>$64,020</td>
</tr>
<tr>
<td>Environmental Protection Specialist</td>
<td>7.8%</td>
<td>$73,230</td>
</tr>
<tr>
<td>Environmental Restoration Planner</td>
<td>7.8%</td>
<td>$73,230</td>
</tr>
<tr>
<td>Environmental Sciences Professor</td>
<td>3.7%</td>
<td>$84,740</td>
</tr>
<tr>
<td>Occupation</td>
<td>Growth Rate</td>
<td>Salary</td>
</tr>
<tr>
<td>-----------------------------</td>
<td>-------------</td>
<td>-----------</td>
</tr>
<tr>
<td>Fish and Wildlife Biologist</td>
<td>3.9%</td>
<td>$66,350</td>
</tr>
<tr>
<td>Hydrogeologist</td>
<td>4.8%</td>
<td>$137,940</td>
</tr>
<tr>
<td>Hydrologist</td>
<td>5.3%</td>
<td>$84,040</td>
</tr>
<tr>
<td>Industrial Ecologist</td>
<td>7.8%</td>
<td>$73,230</td>
</tr>
<tr>
<td>Soil Scientist</td>
<td>6.8%</td>
<td>$66,120</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