

Environmental Science, BS

ASENVBS

Gain a diverse and practical set of skills in science, communication, critical thinking and leadership --- enabling you to tackle any issue that impacts environmental aspects of our land, air and water systems.

Program description

The BS degree 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.

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

This major is eligible for the Western Undergraduate Exchange program at the following location: West Valley 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 Valley](#) [WUE](#), [ASU at Lake Havasu](#)

- **Second language requirement:** No
- **First required math course:** MAT 210 - Brief Calculus
or MAT 251 Calculus for Life Sciences or MAT 270 Calculus with Analytic Geometry I
- **Math intensity:** Moderate 

Required courses (Major Map)

[2024 - 2025 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 plus 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. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and [how to apply](#).

Admission requirements

General university admission requirements:

All students are required to meet general university admission requirements.

[First-year](#) | [Transfer](#) | [International](#) | [Readmission](#)

Tuition information

When it comes to paying for higher education, everyone's situation is different. Students can learn about [ASU tuition and financial aid](#) options to find out which will work best for them.

Change of Major Requirements

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

Students should visit the [Change of Major form](#) 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.

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.

With more than 300 options available, [Global Education programs](#) allow students to tailor their educational experience to their unique interests and skill sets. Whether in a foreign country, in the U.S. or online, students in the New College of Interdisciplinary Arts and Sciences can explore how their varied fields and interests interact in different settings around the world.

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 and U.S. Forest Service, and in private consulting firms and nongovernmental and nonprofit organizations. Graduates of the program also are well qualified to pursue graduate studies in relevant areas of the natural sciences.

Example job titles and salaries listed below are not necessarily entry level, and students should take into consideration how years of experience and geographical location may affect pay scales. Some jobs also may require advanced degrees, certifications or state-specific licensure.

Career	*Growth	*Median salary
Climate Change Analyst 🌞	6.1%	\$76,480

<u>Environmental Analyst</u>	4.1%	\$64,460
<u>Environmental Protection Specialist</u> ☀	6.1%	\$76,480
<u>Environmental Restoration Planner</u> ☀	6.1%	\$76,480
<u>Environmental Sciences Professor</u>	4.2%	\$83,040
<u>Fish and Wildlife Biologist</u>	3.0%	\$67,430
<u>Hydrogeologist</u> ☀	4.8%	\$144,440
<u>Hydrologist</u>	1.5%	\$85,990
<u>Industrial Ecologist</u> ☀	6.1%	\$76,480
<u>Soil Scientist</u> ☀	4.7%	\$65,730

* 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

Contact information

School of Mathematical and Natural Sciences | FAB N101
mnsadvising@asu.edu | 602-543-3000