

# Earth and Environmental Sciences, BS

LAESBS

Explore the foremost issues currently confronting scientists in ecological well-being, climate dynamics and natural resources, and develop your capacity to improve the human condition, both present and future. Develop critical thinking, problem solving and communication skills as you become a master learner and change-maker.

## Program description

The BS program in Earth and environmental sciences, both in-person and online, provides broad training in the physical sciences, especially process-oriented geosciences that focus on Earth's life-sustaining surface environment. This training establishes a foundational understanding of the evolution of the Earth system with an emphasis on the surface environment, oceans and climate, and implications for sustainable human societies, empowering graduates to help Arizona and the global community address some of the most pressing challenges of the day in environmental health, climate change and natural resources.

Elective tracks allow students to focus their studies on climate and environmental change, environmental policy, sustainability, Earth resources, environmental management or environmental education.


### GI Bill® benefits

This new program is not yet approved for use with GI Bill® benefits.

GI Bill® is a registered trademark of the U.S. Department of Veterans Affairs. More information about education benefits offered by VA is available at the official U.S. government website at <https://www.benefits.va.gov/gibill/>.

## At a glance

- **College/School:** [The College of Liberal Arts and Sciences](#)
- **Location:** [Tempe](#) or [Online, ASU Local](#)

- **Second language requirement:** No
- **First required math course:** MAT 170 - Precalculus
- **Math intensity:** Moderate 

## Required courses (Major Map)

[2024 - 2025 Major Map \(on-campus\)](#)

[2024 - 2025 Major Map \(online\)](#)

[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.

## 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.

## Attend online

### ASU Online

ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may [view the program's ASU Online page](#) for program descriptions and to request more information.

### ASU Local

It is now possible to earn an ASU degree with [ASU Local](#), an integrated college experience in which students take advantage of in-person success coaching and programming experiences on site while completing one of 130+ undergraduate online degree programs, all of which come with online faculty interaction and tutoring support.

## 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

With more than [300 Global Education program opportunities](#) available, Earth and environmental sciences students are able to tailor their experience to their unique interests and skill sets. Whether in a foreign country, in the U.S. or online, students build communication skills, learn to adapt and persevere, and are exposed to research and internships across the world, increasing their professional network.

## Career opportunities

Graduates are prepared to attend graduate school in the natural and environmental sciences, education, environmental journalism, environmental law, public policy and environmental management.

They are also well prepared for  professional careers in fields such as education, environmental reporting, public planning, environmental consulting, natural resource management, and more technical positions as environmental scientists in a variety of sub-disciplines. According to the U.S. Bureau of Labor Statistics and corroborated by data reported by the Occupational Information Network, the many career opportunities in growth areas available to graduates of this program include:

- conservation scientist or natural resource manager (7% growth, \$64k)
- environmental science educator (secondary education: 8% growth, \$63k median salary).
- environmental science technician (11% growth, \$47k)
- environmental scientist (8% growth, \$73k median salary)
- geological and hydrologic technician (8% growth, \$73k)
- geoscientist (7% growth, \$93k)
- hydrologist (6% growth, \$84k)

- natural science manager (9% growth, \$51k)

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
<u><a href="#">Climate Change Analyst</a></u> ☀️	6.1%	\$76,480
<u><a href="#">Environmental Analyst</a></u>	4.1%	\$64,460
<u><a href="#">Environmental Protection Specialist</a></u> ☀️	6.1%	\$76,480
<u><a href="#">Environmental Restoration Planner</a></u> ☀️	6.1%	\$76,480
<u><a href="#">Environmental Sciences Professor</a></u>	4.2%	\$83,040
<u><a href="#">Environmental Specialist</a></u> ☀️	5.8%	\$48,380
<u><a href="#">Geologist</a></u> ☀️	5.1%	\$87,480
<u><a href="#">Geology Professor</a></u>	3.6%	\$97,770
<u><a href="#">Geospatial Intelligence Analyst</a></u>	2.1%	\$107,970
<u><a href="#">Hydrogeologist</a></u> ☀️	4.8%	\$144,440

\* 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

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