Earth and Environmental Sciences, BA

LAEESBA

This program's name has changed effective Fall 2024. The previous name was Earth and Environmental Studies.

Life and the future of human civilization depend on people who think broadly from a science-driven perspective about how we interact with our planet. Pursue earth and environmental sciences to link your interest in science and the environment with complementary fields like sustainability, advocacy and public policy.

Program Description

The BA program in earth and environmental sciences provides a foundational understanding of the evolution of the earth system with an emphasis on the planetary context for sustainable human societies.

The degree program includes broad training in the physical sciences, especially process-oriented geosciences that focus on Earth's life-sustaining surface environment. Advanced courses focus on topics, including:

- climate change
- earth's water, energy and material resources
- impact of land-use change on human civilization
- physical, chemical and biological process interactions that define Earth's evolution

This is designed as a liberal arts program with an emphasis on basic scientific literacy, not as a preparatory degree program for graduate study in the natural sciences.

In addition to the guidelines in the Concurrent Program Options section below, students interested in pursuing concurrent or second baccalaureate degrees in The College of Liberal Arts and Sciences are advised to visit the college's website for more information and requirements.
At a Glance

- College/School: The College of Liberal Arts and Sciences
- Location: Tempe
- Additional Program Fee: Yes
- Second Language Requirement: Yes
- First Required Math Course: MAT 117 - College Algebra or higher
- Math Intensity: Moderate

Required Courses (Major Map)

2023 - 2024 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.

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 college, everyoneâs 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
Not only is the physical environment varied across the globe, so is the human treatment of it. Global education programs allow students to gain a deeper understanding of the global environment, how culture affects the environment, and how to best communicate environmental research to a diverse audience. Programs are offered in a variety of countries around the world.

Career Opportunities

With a breadth of knowledge and experience and the acquired skills to integrate various domains of knowledge, graduates are prepared for a variety of careers that position them to help find solutions to tomorrow's environmental and sustainability challenges. Recent environmental awareness in business and government has also resulted in new employment opportunities (e.g., environmental coordinators, directors and managers).

Sample careers include:

- education
- environmental administration
- environmental reporting
- management
- public planning

Sample career settings include:

- governmental agencies
- museums
- nongovernmental organizations
- nonprofit organizations
- publishing companies
- regulatory agencies
- utilities
Graduates are also well prepared for admission to strong professional schools in fields outside the natural sciences.

Career example titles and salaries listed below are not necessarily entry level, and students should take into consideration how years of experience, geographical location, and required advanced degrees or certifications may affect pay scales.

<table>
<thead>
<tr>
<th>Career</th>
<th>*Growth</th>
<th>*Median Salary</th>
</tr>
</thead>
<tbody>
<tr>
<td>Climate Change Analyst</td>
<td>6.1%</td>
<td>$76,480</td>
</tr>
<tr>
<td>Elementary Teacher</td>
<td>0.7%</td>
<td>$61,690</td>
</tr>
<tr>
<td>Environmental Analyst</td>
<td>4.1%</td>
<td>$64,460</td>
</tr>
<tr>
<td>Environmental Protection Specialist</td>
<td>6.1%</td>
<td>$76,480</td>
</tr>
<tr>
<td>Environmental Restoration Planner</td>
<td>6.1%</td>
<td>$76,480</td>
</tr>
<tr>
<td>Environmental Sciences Professor</td>
<td>4.2%</td>
<td>$83,040</td>
</tr>
<tr>
<td>Fire Chief</td>
<td>3.6%</td>
<td>$80,150</td>
</tr>
<tr>
<td>Forest Ranger</td>
<td>14.8%</td>
<td>$48,110</td>
</tr>
<tr>
<td>High School Teacher</td>
<td>1.0%</td>
<td>$62,360</td>
</tr>
<tr>
<td>Middle School Teacher</td>
<td>0.8%</td>
<td>$61,810</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

Contact Information

School of Earth and Space Exploration | ISTB4 795
seese-advising@asu.edu | 480-965-5081