Chemistry (Environmental Chemistry), BS

LACHMEBS

Do you want to solve today's environmental challenges? Study materials at the molecular level to build an approach that provides enormous leverage for change. Take courses in environmental chemistry that will create a foundation of critical thinking and problem-solving skills and an Earth-centric perspective that will benefit the planet and your career.

Program Description

The BS in chemistry with an environmental chemistry concentration is an interdisciplinary degree program that combines chemistry with environmental sciences courses in geology, mathematics and physics. Students learn to understand the world around them from a molecular perspective and to tackle problems in pollution control, energy and climate change.

This program prepares students to become scientists and leaders in solving environmental problems and for careers in environmental science, policy and regulation, and it serves as excellent preparation for advanced level study of chemical and environmental sciences in graduate school.

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:** No
• **First Required Math Course:** MAT 270 - Calculus w/Analytic Geometry I or MAT 265 Calculus for Engineers
• **Math Intensity:** Substantial

**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.

**Tuition Information**

When it comes to paying for college, 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](https://example.com) 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](https://example.com) to outline a list of recommended courses to take prior to transfer.

ASU has [transfer partnerships](https://example.com) 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
Students who participate in Global Education programs can strengthen their understanding of environmental chemistry through hands-on experience in new and exciting environments. Programs provide students with a global perspective and knowledge in preparation for a forward-thinking career.

Career Opportunities

A solid undergraduate program of education in chemistry that is obtained with this degree provides the necessary background for many career paths in chemical industries, government and other areas. This degree can be combined with law for patent work or government work, economics for sales and marketing careers, and computer science for careers in information storage and retrieval related to our planet.

Students planning to work in areas related to the environment will find the environmental chemistry concentration especially appropriate; they are also prepared for careers in environmental science, environmental monitoring, policy and regulation.

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>Chemical Technician</td>
<td>3.2%</td>
<td>$50,840</td>
</tr>
<tr>
<td>Chemist</td>
<td>6.2%</td>
<td>$80,670</td>
</tr>
<tr>
<td>Climate Change Analyst</td>
<td>6.1%</td>
<td>$76,480</td>
</tr>
<tr>
<td>College/University Professor</td>
<td>3.6%</td>
<td>$76,920</td>
</tr>
<tr>
<td>Crime Scene Investigator</td>
<td>12.6%</td>
<td>$63,740</td>
</tr>
<tr>
<td>Environmental Protection Specialist</td>
<td>6.1%</td>
<td>$76,480</td>
</tr>
<tr>
<td>Hydrogeologist</td>
<td>4.8%</td>
<td>$144,440</td>
</tr>
<tr>
<td>Meteorologist</td>
<td>4.4%</td>
<td>$83,780</td>
</tr>
<tr>
<td>Park Ranger</td>
<td>4.1%</td>
<td>$64,460</td>
</tr>
<tr>
<td>Soil Scientist</td>
<td>4.7%</td>
<td>$65,730</td>
</tr>
</tbody>
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* 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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