Chemistry (Environmental Chemistry), BS

LACHMEBS

Are you worried about the environmental problems facing society? Do you want to make a difference? Consider approaching these challenges from a scientific perspective. Learn to solve problems at the molecular level with chemistry knowledge in an environmental context as you build a solid foundation in critical thinking and interdisciplinary problem-solving.

Program Description

The BS in chemistry with an environmental chemistry concentration is a transdisciplinary degree program that combines training in the traditional disciplines of chemistry with related environmental sciences courses from geology, mathematics and physics. Discoveries of new materials, processes and solutions to problems such as pollution control and climate change depend upon a thorough grounding in this area of science.

This program prepares students to become scientists and leaders in solving environmental problems and serves as excellent preparation for a career in environmental science or further study of physical sciences in graduate school.

At a Glance

• **College/School:** [The College of Liberal Arts and Sciences](#)
• **Location:** [Tempe campus](#)
• **Additional Program Fee:** Yes
• **Second Language Requirement:** No
• **First Required Math Course:** MAT 270 - Calculus w/Analytic Geometry I
• **Math Intensity:** Substantial

Required Courses (Major Map)
Admission Requirements

General University Admission Requirements:

All students are required to meet general university admission requirements.

Change of Major Requirements

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

Students should refer to https://changingmajors.asu.edu/request 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 the Transfer Map search 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 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/pathway-programs.

Global Opportunities

Global Experience

With over 250 programs in more than 65 countries (ranging from one week to one year), study abroad is possible for all ASU students wishing to gain global skills and knowledge in preparation for a 21st-century career. Students earn ASU credit for completed courses, while staying on track for graduation, and may apply financial aid and scholarships toward program costs. https://mystudyabroad.asu.edu/
Career Opportunities

A solid undergraduate program of education in chemistry provides the necessary background for many career paths in chemical industries, government and other areas. Chemistry can be combined with law for patent work, economics for sales and marketing careers and computer science for careers in information storage and retrieval. Students planning careers in medicine, dentistry or veterinary medicine often pursue a course of study in chemistry with supporting work in biology as the route for preprofessional training. Students planning to work in areas related to the environment will find the environmental chemistry concentration especially appropriate.

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>Chemical Technician</td>
<td>4.0%</td>
<td>$47,280</td>
</tr>
<tr>
<td>Chemist</td>
<td>6.5%</td>
<td>$74,740</td>
</tr>
<tr>
<td>Climate Change Analyst</td>
<td>11.1%</td>
<td>$69,400</td>
</tr>
<tr>
<td>College/University Professor</td>
<td>9.4%</td>
<td>$64,400</td>
</tr>
<tr>
<td>Crime Scene Investigator</td>
<td>16.8%</td>
<td>$57,850</td>
</tr>
<tr>
<td>Environmental Protection Specialist</td>
<td>11.1%</td>
<td>$69,400</td>
</tr>
<tr>
<td>Hydrogeologist</td>
<td>9.9%</td>
<td>$118,970</td>
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<tr>
<td>Meteorologist</td>
<td>12.0%</td>
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<tr>
<td>Park Ranger</td>
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<tr>
<td>Soil Scientist</td>
<td>8.8%</td>
<td>$62,430</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).

Solar Bright Outlook Green Occupation

Contact Information
Schedule an advisor appointment
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