Chemistry (Environmental Chemistry), BS

Do you want to make an impact on today's environmental challenges? Study the nature of materials to solve these problems at the atomic and molecular levels. Take courses with an environmental chemistry emphasis that help you to build a foundation of critical thinking and problem-solving skills to aid your future 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 and climate change. Students are also prepared for careers in environmental science, control, policy and regulation.

This program prepares students to become scientists and leaders in solving environmental problems and serves as excellent preparation for advanced level study of chemical and environmental 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 or MAT 265 Calculus for Engineers
- **Math Intensity:** Substantial
Required Courses (Major Map)

2021 - 2022 Major Map
Major Map (Archives)

Admission Requirements

General University Admission Requirements:
All students are required to meet general university admission requirements.

| Freshman | Transfer | International | Readmission |

Change of Major Requirements

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

Students should refer to https://changemajor.apps.asu.edu 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 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
Students who study abroad can strengthen their understanding of environmental chemistry through hands-on experience in new and exciting environments. Programs provide students with global skills and knowledge in preparation for a 21st century career. https://goglobal.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 those shown in the following list. Advanced degrees or certifications may be required for academic or clinical positions.

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>2.8%</td>
<td>$49,820</td>
</tr>
<tr>
<td>Chemist</td>
<td>4.7%</td>
<td>$79,300</td>
</tr>
<tr>
<td>Climate Change Analyst</td>
<td>7.8%</td>
<td>$73,230</td>
</tr>
<tr>
<td>College/University Professor</td>
<td>2.0%</td>
<td>$71,950</td>
</tr>
<tr>
<td>Crime Scene Investigator</td>
<td>14.1%</td>
<td>$60,590</td>
</tr>
<tr>
<td>Environmental Protection Specialist</td>
<td>7.8%</td>
<td>$73,230</td>
</tr>
<tr>
<td>Hydrogeologist</td>
<td>4.8%</td>
<td>$137,940</td>
</tr>
<tr>
<td>Meteorologist</td>
<td>6.4%</td>
<td>$99,740</td>
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<tr>
<td>Park Ranger</td>
<td>5.1%</td>
<td>$64,020</td>
</tr>
<tr>
<td>Soil Scientist</td>
<td>6.8%</td>
<td>$66,120</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 ☀ Green Occupation

Contact Information

School of Molecular Sciences | PSD 104
SMSAdvising@asu.edu | 480-965-7667