

Chemistry (Environmental Chemistry), BS

LACHMEBS

Solve today's environmental changes and unleash your potential to benefit the planet with hands-on lab experiences that allow you to delve into eco-friendly solutions. Master environmental chemistry, crafting a foundation for critical thinking, problem-solving and an Earth-conscious perspective.

Program description


The BS program in chemistry with a concentration in environmental chemistry equips students with interdisciplinary knowledge, combining chemistry with environmental sciences, geology, mathematics and physics. Graduates gain a molecular perspective of the world, focusing on pollution control, energy and climate change. Students develop the expertise to address environmental challenges, making them well prepared for careers in environmental science, policy, regulation and advanced studies in chemical and environmental sciences at the graduate level.

The curriculum merges chemistry and environmental sciences courses, fostering a holistic understanding of environmental issues. It includes traditional coursework with lectures and hands-on laboratory sessions. The program emphasizes problem-solving, critical thinking and interdisciplinary competence. Students are encouraged to join laboratory research groups and faculty research projects, allowing them to engage in hands-on research and contribute to environmental solutions.

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](#)
- **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)

[2024 - 2025 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 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.

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

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.

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

* Data obtained from the Occupational Information Network (O*NET) under sponsorship of the U.S. Department of Labor/Employment and Training Administration (USDOL/ETA).

Contact information

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