Chemistry, BA

Do you want to help tackle current societal challenges related to energy, the environment, medicine and new materials? When you learn how to address problems at the atomic and molecular levels, you'll develop critical thinking and problem-solving skills that are useful in many types of careers.

Program Description

Students in the BA program in chemistry take a wide range of courses that prepare them to take on important problems using atomic and molecular level thinking in areas as diverse as energy and sustainability, new materials, medicine and health, nanoscience, environmental science, forensics, cosmetics and food chemistry, patent law, sales and marketing.

The Bachelor of Arts program in chemistry is a flexible option for students interested in a liberal arts degree with a strong grounding in physical science. It is ideal for students seeking to complete two degrees. Students pursuing a bachelor's degree in chemistry have opportunities to explore a variety of interests, from laboratory science to working in the public sector in regulation or law.

Students wishing to pursue a scientific graduate degree should consider the BS in chemistry.

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 or Online, ASU Local
- **Additional Program Fee:** Yes
• Second Language Requirement: Yes
• **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 (On-campus)
2023 - 2024 Major Map (Online)
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, 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.

## Attend Online

**ASU Online**

ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may [view the program's ASU Online page](#) for program descriptions and to request more information.
ASU Local

It is now possible to earn an ASU degree with ASU Local, an integrated college experience in which students take advantage of in-person success coaching and programming experiences on site while completing one of 130+ undergraduate online degree programs, all of which come with online faculty interaction and tutoring support.

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

When studying abroad, chemistry students can gain valuable experience in a diverse set of programs. Students earn ASU credit for completed courses, while staying on track for graduation. Students who study abroad acquire heightened skills in communication, critical thinking and leadership.

Career Opportunities

A degree in chemistry provides the background for careers in chemical and electronics industries, in national research labs, environmental labs and forensic labs. Chemistry can be combined with law for patent work, with economics for sales and marketing careers, and with computer science for careers in information technology. Students with a strong liberal arts background are also prepared for careers in scientific sales, marketing, human development and training. Students often take chemistry degree programs to be competitive applicants for admission to medical, dental or pharmacy schools.

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>Occupation</td>
<td>Change Rate</td>
<td>Salary</td>
</tr>
<tr>
<td>------------------------------------</td>
<td>-------------</td>
<td>--------------</td>
</tr>
<tr>
<td>Crime Scene Investigator</td>
<td>12.6%</td>
<td>$63,740</td>
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<tr>
<td>High School Teacher</td>
<td>1.0%</td>
<td>$62,360</td>
</tr>
<tr>
<td>Hydrogeologist</td>
<td>4.8%</td>
<td>$144,440</td>
</tr>
<tr>
<td>Materials Scientist</td>
<td>5.1%</td>
<td>$104,380</td>
</tr>
<tr>
<td>Medical Doctor (MD)</td>
<td>2.5%</td>
<td>$214,460</td>
</tr>
<tr>
<td>Pharmacist</td>
<td>2.6%</td>
<td>$132,750</td>
</tr>
<tr>
<td>Soil Scientist</td>
<td>4.7%</td>
<td>$65,730</td>
</tr>
<tr>
<td>Water/Wastewater Engineer</td>
<td>5.0%</td>
<td>$89,940</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**

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