Chemistry, BS

Chemists investigate matter to help solve important societal problems. In this chemistry program, you will develop the skills to find global solutions in the fields of medicine, energy, technology, environmental quality and more.

Program Description

In the BS program in chemistry, students take courses that give them the knowledge and skills to solve problems at the atomic and molecular levels in areas as diverse as energy and sustainability, new materials for technology, medicine and health, nanoscience, environmental science, forensics, cosmetics and food chemistry.

The Bachelor of Science degree in chemistry is accredited by the American Chemical Society, and it prepares students for advanced study of chemistry and material science in competitive graduate degree programs. More information about the American Chemistry Society accreditation can be found on their website: [https://www.acs.org/](https://www.acs.org/).

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
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.

Accelerated Program Options

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with:

- Biochemistry (Medicinal Chemistry), MS
- Materials Science and Engineering, MS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply.

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 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

When studying abroad, chemistry students can gain valuable experience in a diverse set of programs, and they acquire heightened skills in communication, critical thinking and leadership which will enable them to stand out competitively in their chosen field. Students earn ASU credit for completed courses while staying on track for graduation.

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 often take Bachelor of Science in chemistry degree programs to become competitive applicants for admission to medical, dental or pharmacy schools.

Chemists conduct both research and routine work in laboratories; they study the environment; they work in manufacturing, sales and marketing; they work in the public sector deciding policy and regulation; and they teach.

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 Plant and System Operator</td>
<td></td>
<td>$82,670</td>
</tr>
<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>Chemistry Professor ✴</td>
<td>3.5%</td>
<td>$80,720</td>
</tr>
<tr>
<td>Climate Change Analyst</td>
<td>6.1%</td>
<td>$76,480</td>
</tr>
<tr>
<td>Occupation</td>
<td>Growth Rate</td>
<td>Annual Salary</td>
</tr>
<tr>
<td>-------------------------</td>
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</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>
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<tr>
<td>Hydrogeologist</td>
<td>4.8%</td>
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<tr>
<td>Materials Scientist</td>
<td>5.1%</td>
<td>$104,380</td>
</tr>
<tr>
<td>Pharmacist</td>
<td>2.6%</td>
<td>$132,750</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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