Chemistry, **BA**

Do you want to help solve important societal problems related to energy, the environment, medicine and new materials? Learn how to take on these problems at the atomic and molecular levels and develop critical-thinking and problem-solving skills useful for a wide range 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 wide range 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.

**At a Glance**

- **College/School:** [The College of Liberal Arts and Sciences](#)
- **Location:** Tempe campus
- **Additional Program Fee:** Yes
- **Second Language Requirement:** Yes
- **First Required Math Course:** MAT 270 - Calculus w/Analytic Geometry I
- **Math Intensity:** Substantial

**Required Courses (Major Map)**
Concurrent Program Options

This degree is also offered as concurrent degree program with:

Secondary Education, BAE

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
By studying abroad, chemistry students can gain valuable experience in a diverse set of programs, from Italy to Hong Kong. Students earn ASU credit for completed courses, while staying on track for graduation. Studying abroad allows students to enhance their resumes through heightened skills in communication, critical thinking and leadership. [https://mystudyabroad.asu.edu/](https://mystudyabroad.asu.edu/)

## Career Opportunities

A degree in chemistry provides the background for careers in chemical and electronics industries, in national research 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 to medical, dental or pharmacy schools.

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.

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<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>Crime Scene Investigator</td>
<td>16.8%</td>
<td>$57,850</td>
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<tr>
<td>High School Teacher</td>
<td>7.5%</td>
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<tr>
<td>Hydrogeologist</td>
<td>9.9%</td>
<td>$118,970</td>
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<tr>
<td>Materials Scientist</td>
<td>7.1%</td>
<td>$99,530</td>
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<tr>
<td>Medical Doctor (MD)</td>
<td>14.6%</td>
<td>$192,930</td>
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<tr>
<td>Pharmacist</td>
<td>5.6%</td>
<td>$124,170</td>
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<tr>
<td>Soil Scientist</td>
<td>8.8%</td>
<td>$62,430</td>
</tr>
<tr>
<td>Water/Wastewater Engineer</td>
<td>8.3%</td>
<td>$86,800</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

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