Biochemistry, BA

LABCHBA

Discover the secret chemical processes of living organisms at the molecular and atomic levels. Through courses in the physical sciences, life sciences and liberal arts, you build life and problem-solving skills that prepare you for a wide range of careers.

Program Description

The BA program in biochemistry provides students with a wide array of courses such as basic chemistry, the chemistry of biomolecules, cellular function and liberal arts and languages.

This program 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 wishing to pursue a scientific graduate degree should consider the BS in biochemistry.

At a Glance

- **College/School:** The College of Liberal Arts and Sciences
- **Location:** Tempe campus or online, ASU Local@Los Angeles

- **Additional Program Fee:** Yes
- **Second Language Requirement:** Yes
- **First Required Math Course:** MAT 251 - Calculus for Life Sciences
  
  Students may complete MAT 270 Calculus with Analytic Geometry I in lieu of MAT 251 Calculus for Life Sciences.

- **Math Intensity:** Moderate

Required Courses (Major Map)
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 and master's degree with:

Global Management, MGM

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

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://changemajor.apps.asu.edu for information about how to change a major to this program.

Attend Online

ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here.

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
When studying abroad, students gain valuable experience in a diverse set of programs. Students earn ASU credit for completed courses, while staying on track for graduation.

With their resumes enhanced by the heightened skills in communication, critical thinking and leadership they acquired through the study abroad experiences, graduates stand out competitively in their chosen fields. https://goglobal.asu.edu/

Career Opportunities

Graduates of this program are prepared for careers in a variety of fields, such as medicine and health, chemical and biotechnology industry, pharmaceuticals, environmental and food science, food production, environmental protection, scientific sales and marketing and other forms of public service such as policymaking and teaching, patent law and many other technical areas.

Those with a Bachelor of Arts in biochemistry also are well prepared for application to graduate schools, such as medical, dental and pharmacy.

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>Dentist</td>
<td>2.8%</td>
<td>$158,940</td>
</tr>
<tr>
<td>High School Teacher</td>
<td>3.8%</td>
<td>$62,870</td>
</tr>
<tr>
<td>Medical Doctor (MD)</td>
<td>#</td>
<td></td>
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<tr>
<td>Medical Scientist ♦</td>
<td>6.1%</td>
<td>$91,510</td>
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<tr>
<td>Pharmacist</td>
<td></td>
<td>$128,710</td>
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<tr>
<td>Physician Assistant (PA) ♦</td>
<td>31.3%</td>
<td>$115,390</td>
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<tr>
<td>Scientist/Biochemist</td>
<td>4.0%</td>
<td>$94,270</td>
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<tr>
<td>Technical Writer ♦</td>
<td>7.4%</td>
<td>$74,650</td>
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<tr>
<td>Veterinarian (Vet) ♦</td>
<td>15.9%</td>
<td>$99,250</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