



*GOD FIRST SINCE 1899*

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# Make a Difference Through **Biochemistry**

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## Biochemistry Major

Within every living organism, chemical processes play a critical role in enabling and sustaining life. Through biochemistry, we build an understanding of the chemical structures that support all biological functions and impact many areas of science—medicine, nutrition, laboratory research, wellness, and more. APU's **Bachelor of Science in Biochemistry** program equips you with knowledge and skills to succeed in these fields and to impact lives.

In Azusa Pacific's Department of Biology and Chemistry, research, internship, and service opportunities complement classroom learning, preparing you for graduate studies and diverse pathways into your chosen career.

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**70 PERCENT OF STUDENTS** in APU's science programs go on to pursue graduate school.

*My coursework at APU gave me a solid foundation in biology and chemistry, and helped give me the right mindset to work hard and ask good questions.*

**— JACK HOUSTON '15,  
RESEARCH  
ASSOCIATE AT  
CELGENE**

## Equipped to Impact the Field


The U.S. Bureau of Labor Statistics projects a much faster growth rate for biochemistry careers compared to other biological scientist careers from 2014 to 2024. And with historic, sustained growth in the healthcare industry, those with biochemistry degrees interested in pursuing work in the medical field have increased opportunities. In fact, data from the Association of American Medical Colleges indicates that undergraduates majoring in biochemistry enjoy one of the highest acceptance rates for medical schools.

APU's biochemistry major provides a strong core knowledge of the field combined with practical application, preparing you with the required skills to advance to graduate school and pursue a range of careers. Whether pursuing medical school, pharmaceutical research, and more, biochemistry majors learn to critically analyze and seek solutions to problems, conduct laboratory research, observe and analyze data, and communicate scientific findings. Throughout the program, professors guide you in examining the field through a Christian worldview, developing a deeper understanding of integrating faith into your discipline.



## In the biochemistry major, you will...

- Gain hands-on experience with industry-standard instrumentation in APU's state-of-the-art labs, including an NMR spectrometer, IR spectrometer, GC-MS, and UV-Vis spectrometer.
- Conduct research alongside faculty-mentors.
- Choose to pursue internships locally or serve abroad during a short-term mission trip.



**80 PERCENT** of APU premed track graduates who apply to medical school are accepted; this is nearly double the national acceptance rate average.

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## Study with Experienced Faculty-Mentors

Professors in APU's Department of Biology and Chemistry get to know you. They walk alongside you, challenging and developing you as you strive to achieve your best. Inside and outside the classroom, whether researching in the lab, hosting dinners at their homes, or at department barbeques, faculty are committed to scholarly excellence, student development, and spiritual formation.

▶ Dr. Herod knows the importance of gaining hands-on experience in laboratory research, and she actively involves students in research opportunities. Watch her story: [apu.edu/explore/biochemistry](http://apu.edu/explore/biochemistry)



*Discipling students, for me, means building relationships. I really love my students, and I love being real with them. It's a learning experience that goes in both directions.*

– SKYLA HEROD, PH.D.,  
ASSOCIATE PROFESSOR OF  
BIOLOGY AND CHEMISTRY

## Biochemistry Careers

- Physician
- Research Scientist
- Dentist or Other Health Professional
- Educator
- Pharmacist/ Pharmaceutical Researcher

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**13 PERCENT INCREASE IN STEM CAREERS** expected from 2012 to 2022, reflecting the consistent need for training in the sciences, according to the Bureau of Labor Statistics

▶ Watch Dr. Cox's story: [apu.edu/explore/biochemistry](http://apu.edu/explore/biochemistry)



*Student interaction is what drives my creative process, and also drives the way I try to engage people in learning. I think every student can relate to studying living things and studying how they work.*

– PHILIP COX, PH.D.,  
ASSISTANT PROFESSOR OF  
BIOLOGY AND CHEMISTRY



## Next Steps

Ready to learn more about the biochemistry major, or apply to Azusa Pacific? Get started today!

### Visit Campus

[apu.edu/visitcampus](http://apu.edu/visitcampus)

### Learn More

[apu.edu/explore/biochemistry](http://apu.edu/explore/biochemistry)

### Apply

[apu.edu/apply](http://apu.edu/apply)

### Connect with Us

For more information or to learn about other majors and opportunities at Azusa Pacific, contact the Office of Undergraduate Admissions.

[admissions@apu.edu](mailto:admissions@apu.edu)

(626) 812-3016

901 E. Alostia Ave., PO Box 7000, Azusa, CA 91702

