



*GOD FIRST SINCE 1899*

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# Make a Difference Through **Biology**

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## Biology Major

Biology can open doors to make a tangible difference in the world, whether tackling environmental issues, researching solutions to increasingly sophisticated diseases, or preparing to teach the next generation of scientists.

If you're passionate about science and how it can create a better future, APU's **Bachelor of Science in Biology** will prepare you with a strong foundation to pursue careers in medicine, health care, conservation, biotechnology, microbiology, science education, and more.

### CHOOSE FROM FOUR EMPHASES:

**Ecological**  
**Microbiology**  
**Molecular**  
**Organismal**

#### ON-SITE RESEARCH OPPORTUNITIES

Further your learning experience through APU's Student-to-Scholar program, which allows biology majors to immerse themselves in research opportunities, working closely with faculty-mentors to prepare for regional and national conference presentations.

*APU's well-rounded education has helped me become a doctor who cares for his patients as a whole—body, mind, and spirit.*

– JULIAN SWANSON '08, MD, CURRENT RESIDENT AT BAYLOR COLLEGE OF MEDICINE IN COMBINED INTERNAL MEDICINE AND PEDIATRICS

## Impact a Changing World

Technological advances, climate change, an aging population—these are just a few of the factors driving the need for individuals trained in the sciences and able to adapt to a rapidly changing world. STEM-related careers are some of the fastest growing in today's economy, and APU's biology major equips you for a range of career opportunities.

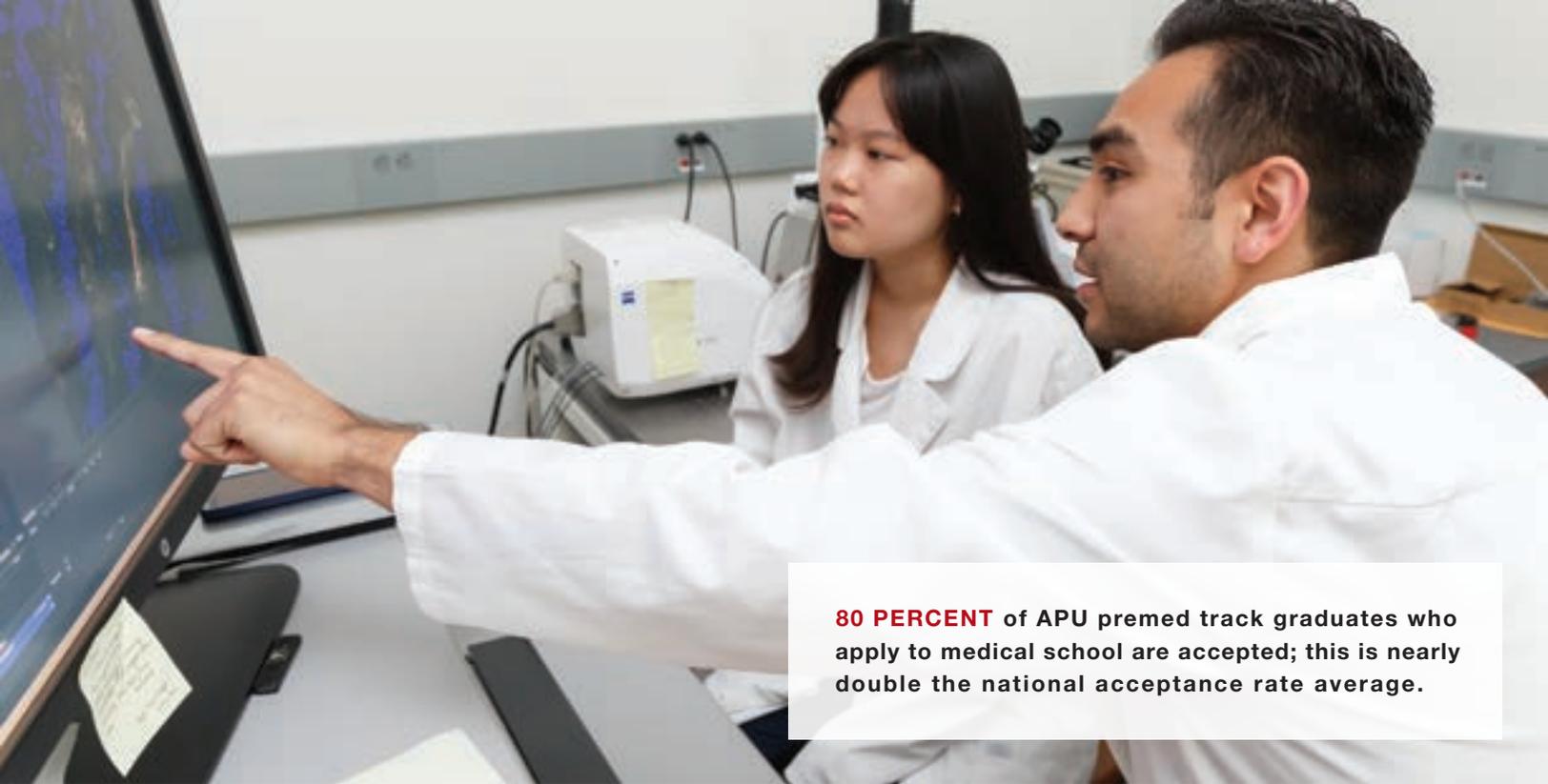
You'll develop key competencies in the field by combining theory with hands-on lab and research experience in areas such as cell biology, genetics, ecology, neurobiology, and molecular biology, among others. As you identify your core areas of interest, you can select from four emphases to further focus your studies. Throughout the program, professors guide you in examining the field through a Christian worldview, developing a faith-based perspective of your discipline.

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



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

- Benefit from opportunities to conduct research with faculty who regularly publish in top academic journals.
- Apply learning in local internships or choose to participate in a medical mission trip.
- Gain hands-on experience with industry-standard instrumentation in APU's state-of-the-art labs, including a flow cytometer, AutoMACS cell sorter, and confocal microscope.



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

## 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 her research on how stress impacts the brain. Watch her story: [apu.edu/explore/biology](http://apu.edu/explore/biology)



*What we discover in science reinforces and brings new understanding and awareness to how amazing our brains and our bodies are.*

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

## Biology Careers

- Medical Doctor
- Dentist
- Orthodontist
- Veterinarian
- Research Scientist in Biotechnology and Pharmaceutical Industries
- Laboratory Technician
- Science Teacher
- Forensic Scientist
- Botanist and Ecologist

**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



## Next Steps

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

### Visit Campus

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

### Learn More

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

### 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)

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