



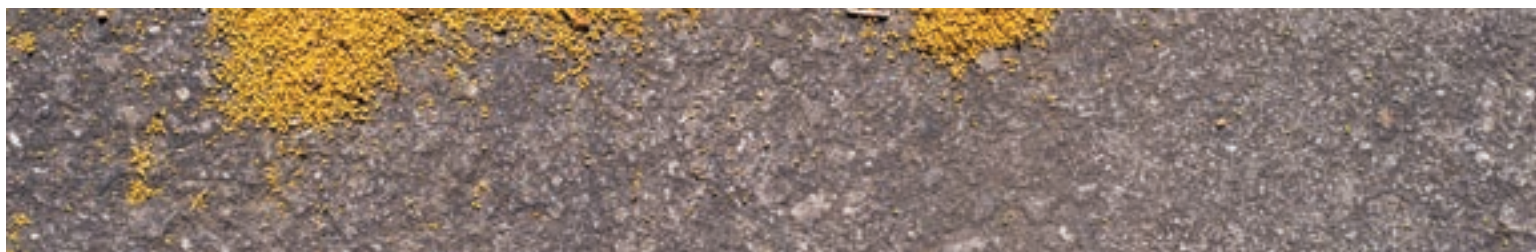
*GOD FIRST SINCE 1899*

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# Impact the World Through **Chemistry**

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## Chemistry Major

Chemistry is all around us, in the products we use daily, in the environment, in all living things. It's a central science, fundamental to many other scientific fields, and one that can have tremendous impact on the world. The **Bachelor of Science in Chemistry** program at Azusa Pacific uniquely prepares you with foundational skills to pursue today's career opportunities, and to shape tomorrow's world through the advancement of science.

As a chemistry major, you can one day help develop cleaner energy sources, design more environmentally friendly industrial practices, improve plastics waste management, synthesize safe and effective pharmaceuticals, and more to make a positive difference in the world.

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

*APU's Department of Biology and Chemistry gave me valuable skills in the lab by providing an abundance of hands-on experience that my peers did not receive at other universities. I appreciated having professors like Dr. Jennifer Young who took the time to get to know me and act as a mentor. The well-rounded approach to various topics in chemistry and experience in labs gave me a huge advantage in a position where I need to be able to quickly switch between various fields.*

**- ALICIA HUGHES '16,  
CHEMIST, ENGINEER AND  
SCIENTIST DEVELOPMENT  
PROGRAM AT NAVAL AIR  
SYSTEMS COMMAND (NAVAIR)**

## Equipped to Lead in a Rapidly Growing Field

Advancements in technology and growing societal needs have put science, technology, engineering, and mathematics (STEM) disciplines among the fastest growing fields, and those with a strong foundation in chemistry are equipped to pursue a range of careers. Research and development, quality control, chemical health and safety, environmental chemistry, science policy, and education are just a few of the opportunities available.

At APU, you'll focus on general, organic, inorganic, analytical, and physical chemistry; quantitative and instrumental analysis; physics; and calculus, building a strong foundation grounded in research, problem-solving, and practical application. Examining the field through a Christian worldview and developing an ethical framework for scientific and medical work sets this program apart. You'll graduate equipped to research and seek solutions to the world's challenges, such as climate change or healthcare needs, with a goal of bringing positive change to the world.



## In the chemistry 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 abroad during a study away semester.



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## Guided by 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 barbecues, faculty are committed to scholarly excellence, student development, and spiritual formation.

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



*In my classes, I ask a lot of questions and students work through problems in class with me there to guide them. They're actively participating in their own learning.*

– CARRIE MILLER, PH.D.,  
ASSISTANT PROFESSOR  
OF CHEMISTRY

## Chemistry Career Opportunities

- Quality Control Specialist
- Industrial Lab Technician
- Research and Development for Industrial Processes
- Pharmaceutical Research
- Environmental Studies
- Forensic Scientist
- Education
- Graduate School

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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

▶ Classroom discussions about real-world medical challenges demonstrated to Aaron the capacity chemistry has to change lives. Watch a video to hear more about his experience at [apu.edu/explore/chemistry/](http://apu.edu/explore/chemistry/).



*I realized that the processes that you learn in the classroom have huge implications outside of it, and that can really affect the lives and circumstances of individuals.*

– AARON RAMSAY '19



## Next Steps

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

### Visit Campus

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

### Learn More

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

### 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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