

# Chemistry



## Immerse yourself in the lab and study with Christian professors.

In this American Chemical Society approved program, you work closely with professors who care deeply about you and your future. Demanding courses and a range of tracks help students think like a scientist and discover what it means to work in a lab. Chemistry majors undertake research with personal guidance from professors, and many spend 10 weeks in the Westmont chemistry department's endowed intensive summer research program. Cutting-edge labs and state-of-the-art instrumentation set Westmont's program apart and give graduates an advantage in finding jobs or getting into graduate school. You receive a first-rate education in chemistry in small classes from Christian professors who integrate faith and learning and prepare you for meaningful work.

## SELECTED COURSES

- Organic Chemistry
- Inorganic Chemistry
- Analytical Chemistry
- Thermodynamics
- Biochemistry
- Advanced Biochemistry
- Computational Physical Chemistry Laboratory
- Science and Religion Seminar

## CAREER PATHS

- Biotech Industry
- Chemical Engineer
- Clinical Chemist
- College Professor
- Dentist
- Environmental Chemistry
- High School Teacher
- Industrial Chemist
- Laboratory Technician
- Pharmaceutical Industry
- Pharmacist
- Physician
- Quality Control Chemist



**WESTMONT**  
SANTA BARBARA

## FACULTY HIGHLIGHTS



KRISTI CANTRELL, PH.D.

Helps biochemists understand neurodegenerative diseases and students make wise choices about medical school; expert in protein aggregation



STEPHEN CONTAKES, PH.D.

Seeks a cleaner world through new molecules; thinks with you about integrating science and faith



STEPHANIE COWELL, M.S.

Expert at orienting new students to experimental chemistry and keeping you safe in the lab



MICHAEL EVEREST, PH.D.

Physical chemist who uses powerful lasers to study surfaces and powerful teaching techniques to help you learn chemistry



BRANDON HAINES, PH.D.

Simulates organic reactions in a computer to better understand the details of bond making and breaking



ALLAN NISHIMURA, PH.D.

Mentor to a generation of undergraduate chemistry researchers; he probes the motions of molecules in thin films



AMANDA SILBERSTEIN, PH.D.

Develops new methods for hooking molecules together and explores the wonders of organic chemistry with you

## OPPORTUNITIES ABROAD



- Westmont's Global Health Uganda
- Westmont in Asia
- Organization for Tropical Studies: Tropical Diseases, Environmental Change and Human Health, Costa Rica
- Creation Care Studies Program, Belize or New Zealand
- Organization for Tropical Studies, South Africa
- Scholarship & Christianity In Oxford

## ALUMNI

**Eddie Wertz '20** is a Chemist at Graphitic Energy, a clean energy start-up company in Santa Barbara developing technology to make the carbon in natural gas an asset instead of a liability.

**Chisondi Warioba '21** (Chemistry, Physics, and Biology) received an NSF Graduate Research Fellowship to support his Ph.D. studies in medical physics at the University of Chicago. He has since completed his doctorate and is now continuing his work at Stanford University.

**Lexy Gillette '22** completed her Ph.D. in Solid State Chemistry at Oxford University, home to one of the world's leading departments in the field.

**Will Grubbs '23** is a curious and insightful chemist who served as a TA and conducted research in inorganic synthesis at Westmont. He now works as a Hispanic Outreach Intern for Habitat for Humanity International, expanding a free home repair program for Santa Barbara's Latin@ communities through partnerships with local organizations.

**Alison Thomas '23** is a curious and skilled chemist whose insightful questions elevate classroom discussions and research. She spent a year focused on organic synthesis research and now works as a Complex Securities Valuation Analyst at Deloitte in New York City.



# WESTMONT

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