

UC Davis
Chemistry



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“A great thing about our program is the breadth of our research. You can explore many different areas of chemistry.”

—DEAN TANTILLO, PROFESSOR

Award-Winning Faculty. Interdisciplinary Research. Exceptional Resources and Location.

COVER: Graduate students Joya Cooley and Austin Kelly

ABOVE: Members of Dean Tantillo's lab on an outing to Lake Tahoe.

BOTTOM LEFT: The Chemistry Club's show is one of Picnic Day's most popular events. It is one of many educational outreach activities the club provides at public events and K-12 schools to promote interest in the chemical sciences and awareness of how chemistry impacts everyday life.

Our mission is to conduct preeminent research, provide forward-thinking instruction, and perform service activities that will positively impact our campus, society, and the world. Our program has a strong focus on interdisciplinary research and teaching, with diverse classes, advanced facilities, state-of-the-art instrumentation, and collaborative research opportunities. Our faculty and students receive prestigious research awards and fellowships, as well as awards for teaching and mentorship.

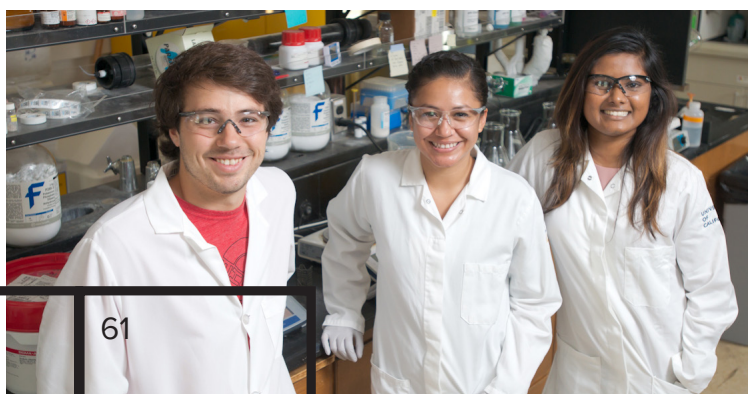
The Ultimate Ph.D. Experience

We have the resources to help you become an independent scientist and launch a successful career. Our program has over 200 graduate students engaged in research across six areas of study: Analytical, Biological, Inorganic, Organic, Physical, and Chemical Physics. We encourage and support graduate research that transcends traditional academic boundaries by bringing together faculty from departments across campus, including the School of Medicine, College of Engineering, and College of Biological Sciences. All applicants are considered for merit-based fellowships upon admission. As an enrolled Ph.D. student, you will also have the opportunity to apply for UC Davis-NIH research training grant programs in Chemical Biology, Molecular and Cellular Biology, Pharmacology and Environmental Health Sciences, among others.



“In sports, a coach analyzes what will make a player reach their highest potential. I view myself a coach for my students: developing their skills, cheering them on and celebrating their wins.”

—ANNALIESE FRANZ, ASSOCIATE PROFESSOR



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“Grad school is going to be stressful wherever you go, so you should choose somewhere you feel supported. I have friends and faculty here I can always rely on.”

—JOYA COOLEY, GRADUATE STUDENT (front cover)

RIGHT: Ph.D. alumna Lisa Anderson partnered with Kimberly Clark to introduce a glove recycling program to our chemistry research and teaching labs in 2013.

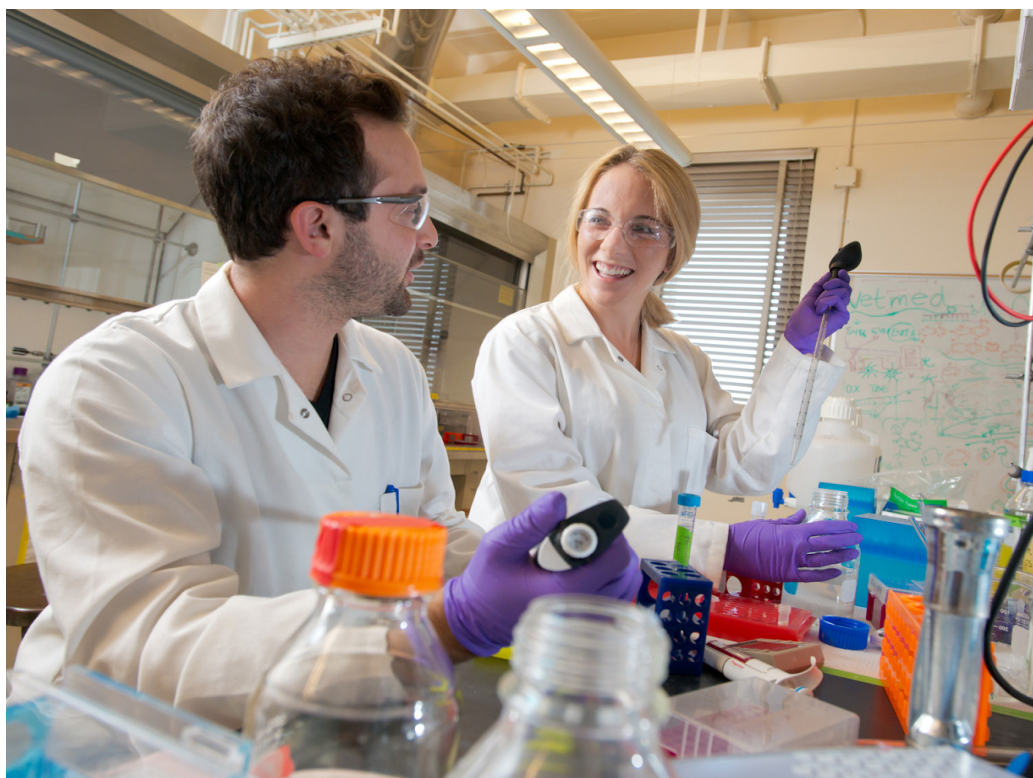


A Framework for Diversity

We actively recruit graduate students with a variety of personal experiences, values, and worldviews. Women comprise over 40 percent of graduate students in our department and over 20 percent of our faculty. We are also committed to providing additional financial support and mentoring to underrepresented minorities and students with disabilities beginning their doctoral studies.

About UC Davis

UC Davis is a dynamic and unique campus. We are a research giant, a global leader in sustainability, and we address real-world challenges. Graduate education is an important priority at UC Davis, and here you will find many opportunities to grow professionally and personally. In addition to our generous academic offerings, our community is alive with activities. Whether you would like to ski in the Sierras, visit the wine country, or see world-class performances, the city of Davis and its neighboring cities have it all. UC Davis and the surrounding community are great places to live, work and study.



FAST FACTS:

- Ranked first on the list of best value colleges for women in STEM by *Forbes* magazine.
- Named a “Top Ten Coolest Schools” by *Sierra* magazine for our commitment to sustainability.
- Over 35,000 enrolled undergraduate and graduate/professional students.
- 97 graduate programs, more than half interdisciplinary.
- More than 20,000 bicycles on campus each day and 55 miles of bike paths within the city of Davis.

OUR GRADUATES ARE EMPLOYED at all levels of academia, from small liberal arts colleges to top research institutions, as well as in industry:

- AMPAC Fine Chemicals
- Chevron
- Genentech
- Intel
- Lawrence Livermore National Laboratory

MANY OF OUR FACULTY belong to more than one graduate program, giving you the freedom to explore your interests across disciplines, including:

- Agricultural and Environmental Chemistry
- Biochemistry, Molecular, Cellular and Developmental Biology
- Biophysics
- Biomedical Engineering
- Chemical Engineering and Materials Science
- Pharmacology and Toxicology



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Apply Online

The deadline to apply for enrollment in the Ph.D. program is in December or early January for the following academic year. To learn more about our program and breadth of research opportunities, please visit us online: chemistry.ucdavis.edu.

Required Application Materials

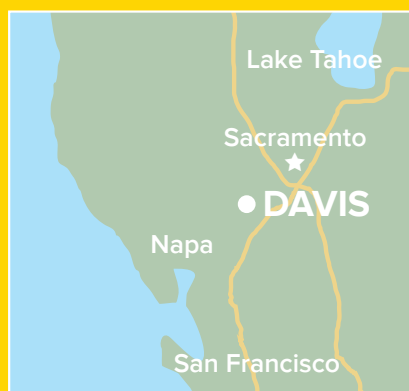
Transcripts: You may upload PDF versions of your transcripts and academic records directly to our application system.

GRE Scores: The General Test is required, while the Subject Test is not (though it may help strengthen your application).

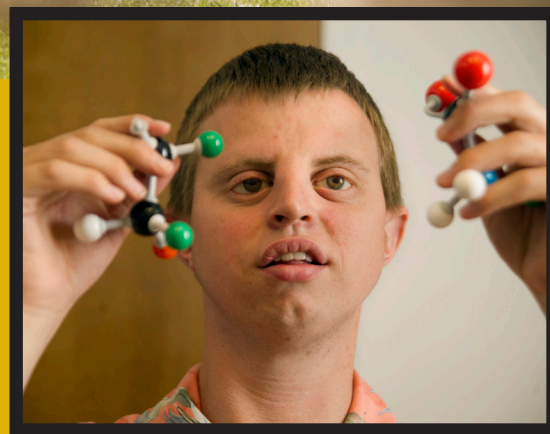
Three Letters of Recommendation: Your letters should be from science-related faculty or employers who are able to comment on your research and academic abilities.

Two Personal Essays: An opportunity to highlight your undergraduate research experience and demonstrate your maturity and motivation for pursuing graduate study.

Note: Requirements are subject to change, please visit the website for up-to-date information.



OUR CAMPUS is located in the city of Davis, a vibrant college town of about 68,000 in Northern California. The state capitol is only 20 minutes away, while world-class destinations such as San Francisco, Lake Tahoe and the Napa Valley are within a two-hour drive.



“Too often, blind and sighted students alike are told that chemistry is difficult and very daunting. Having the Chemistry Department believe in what I could do as a blind person really made me choose to pursue my Ph.D. here.”

—HOBY WEDLER

Department of Chemistry
University of California, Davis
One Shields Avenue
Davis, California 95616

chemistry.ucdavis.edu