

Photo credit: College of Chemistry

HOW TO USE THIS MAP

Use this map to help plan and guide your experience at UC Berkeley, including academic, co-curricular, and discovery opportunities. Everyone's Berkeley experience is different and activities in this map are suggestions. Always consult with your advisors whenever possible for new opportunities and updates.

CONNECT WITH US

Cal Day

Come to UC Berkeley's annual **Open House** in April for information sessions, campus tours, special talks, and more.

Golden Bear Orientation

Join your peers in the campus-wide UC Berkeley **orientation** program for all new students.

Events

Attend department events with students, faculty, and staff. Visit **chemistry.berkeley.edu** for news and updates.

ADVISING

Staff advisors are located in 121 Gilman Hall and are available to assist with schedule planning, course enrollment, study abroad, and other academic matters

Faculty mentors are available to talk with you about career planning, research, internships, graduate school, and many other questions related to becoming a scientist.

Visit **chemistry.berkeley.edu/ugrad/current-students/advisers** to find your staff advisor and faculty mentor, and to book an appointment.

Visit **ue.berkeley.edu/majormaps** for the latest version of this major map.

Berkeley

College of Chemistry Undergraduate Student Services
121 Gilman Hall
Berkeley, CA 94720-1460
chemistry.berkeley.edu/ugrad/student-services

CHEMISTRY | CHEMICAL BIOLOGY

Bachelor of Science/Arts

Bachelor of Science



INTRODUCTION TO THE MAJOR

UC Berkeley offers two bachelor degrees in **Chemistry**: a Bachelor of Science (BS) through the College of Chemistry and a Bachelor of Arts (BA) through the College of Letters and Science. The College of Chemistry also offers a BS degree in **Chemical Biology**.

Students in both BS programs develop a strong foundation in experimental processes, instrumentation, and quantitative analysis; acquire a strong foundation in math and physics; and may also choose to pursue the Materials Chemistry concentration.

The BA program includes a greater number of humanities and social science courses than the BS degrees. Students who wish to pursue the BA degree should apply for admission to the College of Letters & Science.



Photo credit: College of Chemistry

educational experience....I am surrounded by a community of talented professors and classmates who really challenge you to think critically about today's scientific problems.

- Jesus Aguilar

WHICH DEGREE IS RIGHT FOR ME?

The Bachelor of Science (BS) degrees in Chemistry and Chemical Biology are intended for students who are primarily interested in careers as professional chemists or wish a thorough grounding in chemistry in preparation for professional or graduate school in chemistry and related disciplines.

The Bachelor of Arts (BA) in Chemistry is intended for students interested in careers in teaching, medicine, or other sciences in which a basic understanding of chemical processes is necessary. Students interested in subsequent graduate studies in chemistry will receive better preparation by pursuing the BS in Chemistry.

AMPLIFY YOUR MAJOR

- Apply to the Chemistry Scholars
 Program to be an Undergraduate
 Student Instructor.
- Apply to the CBE Innovation Incubator, a lab to conduct studentdirected projects.
- Join Alpha Chi Sigma and connect with peers, attend tutoring sessions, and outreach with local primary schools.

CHEMISTRY | CHEMICAL BIOLOGY

DESIGN YOUR JOURNEY

Bachelor of Science / Arts

Bachelor of Science

Chemistry website.

	FIRST YEAR	SECOND YEAR	THIRD YEAR	FOURTH YEAR
xplore				
your major	Meet with your staff advisor to discuss your academic plans. Familiarize yourself with major and college requirements . Browse undergraduate student services in	Complete lower division prerequisites and start planning your upper division courses. Review the college guidelines for study abroad .	Focus on upper division requirements. Review your degree progress with your staff advisor . For the Chemistry BS, consider adding a concentration.	Do a degree check to ensure you are on track to graduate. Complete any "bucket list" courses and finish remaining major, college, and campus requirements.
	the college. Talk to peer advisors about life in the major.		Ask the staff advisor about the college honors programs .	Complement your major with a certificate , course thread , or summer minor .
nnect				
and build community	Join a College of Chemistry student organization . Visit peer tutors in Bixby Commons for help	Attend college seminars and events to learn about new research and meet guest speakers.	Become a peer advisor or tutor in the college. Welcome new students to UC Berkeley as a Golden Bear Orientation Leader .	Apply to be a Chem Scholar discussion leader. Connect with alumni groups and build your network as you prepare to graduate.
	with chemistry, math, and physics. Get help from peer advisors in 121 Gilman Hall.		Apply to the Chemistry Undergraduate Teacher Scholar Program to become an	Join a professional association such as the American Association for Clinical Chemistry or American Chemical Society.
	Join the College of Chemistry group on LinkedIn.	Get to know professors and graduate student instructors during their office hours.	apprentice instructor and mentor.	or American Chemical Society.
iscover our passions	Talk to a faculty member about research, internships, careers, and graduate school. Browse the faculty research taking place in the college. Explore research opportunities in Chemistry. Discover new interests in a Freshman Seminar or student-run DeCal course .	Join a faculty research group. Attend the Undergraduate Research and Scholarship Fair in October. Apply to a REU undergraduate research program . Check Berkeley Lab and UCSF for more options. Explore a career in education with CalTeach .	Apply to be an Undergraduate Student Instructor with the Chemistry and Chemical Engineering Scholars Program . Join a faculty research group if you haven't already. Present your research at the College of Chemistry poster session in April.	Apply for a Conference Travel Grant . Teach your own DeCal course . Keep pursuing your interests through a fellowship or gap year after graduation. Present your research at the College of Chemistry poster session if you haven't already.
ngage cally and obally	Attend the Calapalooza student activities fair and get involved with a student organization. Find service opportunities through the Public Service Center . Explore study, internship, and research abroad options with Berkeley Study Abroad .	Work with a community organization in an American Cultures Engaged Scholarship course. Go on a service-learning trip with the Alternative Breaks Program. Consider a Berkeley Global Internship in the United States or abroad.	Experience life at another UC or college on a visitor and exchange program. Study and intern in Washington D.C. with UCDC or Cal in the Capital. Bring STEM-themed programming to local schools through BEAM. Join BASIS and present science in K-8 schools.	Hone your leadership skills with the Peter E. Haas Public Service Leaders program . Explore service opportunities after graduation, such as Peace Corps , Teach for America , or U.S. Department of State .
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and plan your future	Visit Berkeley Career Engagement and the Career Counseling Library. Develop a plan for getting career ready. Sign up for Handshake and CareerMail.	Discuss career options and goals with a Career Educator. Explore career fields through the Career Connections Series or a winter externship.	Conduct informational interviews . Discuss graduate school options with advisors and professors. Update your resume and LinkedIn profile.	Utilize job board tools in your job search. Ask professors and graduate student instructors for recommendation letters. Meet employers at Employer Info Sessions and
	Read about chemistry as a profession and explore career resources on the College of	Learn about graduate and professional school . See Step-by-Step for planning help.	Attend career and graduate school fairs such as the STEM Career & Internship Fair.	On-Campus Recruiting. Apply to jobs, graduate school, and other

Think about doing an **internship** and attend an

internship fair.

WHAT CAN I DO WITH MY MAJOR?

Jobs and Employers

Analyst, BlackRock Analytical Operations, Genentech Associate, D.E. Shaw Research Chemist, Argonne National Lab Research Assoc., Latitude Pharm. Chemist, Metal Surfaces Inc. Lab Technician, Quest Diagnostics Synthetic Chemist Intern, US DOE Research Technician, Univ. of Chicago Scientist, LogicInk Corporation

Graduate Programs

Analytical Chemistry, PhD Atmospheric Sciences, PhD Biochemistry, PhD Biophysics, PhD Chemical Physics, PhD Chemistry, PhD Inorganic Chemistry, PhD Law, JD Legal Studies, Masters Materials Science, PhD Medicine, DDS, MD Neurobiology and Neurophysics, PhD Nursing, Masters

Organic Chemistry, PhD Pharmacology, PhD Pharmacy, PharmD Physical & Theoretical Chem., PhD Toxicology, PhD

Examples gathered from the **First Destination Survey** of recent Berkeley graduates.

Updated: 11.02.23

opportunities.