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.

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 student-directed projects.
- Join Alpha Chi Sigma and connect with peers, attend tutoring sessions, and outreach with local primary schools.

Having the opportunity to study chemistry at Cal is a wonderful 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

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.

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.

CONNECT WITH US

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

**Bachelor of Science / Arts**

**FIRST YEAR**
- Meet with your staff advisor to discuss your academic plans.
- Familiarize yourself with major and college requirements.
- Browse undergraduate student services in the college.
- Talk to peer advisors about life in the major.

**SECOND YEAR**
- Complete lower division prerequisites and start planning your upper division courses.
- Review the college guidelines for study abroad.

**THIRD YEAR**
- Focus on upper division requirements.
- Review your degree progress with your staff advisor.
- For the Chemistry BS, consider adding a concentration.
- Ask the staff advisor about the college honors programs.

**FOURTH YEAR**
- 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.
- Complement your major with a certificate, course thread, or summer minor.

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**Explore your major**

**Connect and build community**

**Discover your passions**

**Engage locally and globally**

**Reflect and plan your future**

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**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., Latitute Pharm
- Chemist, Metal Surfaces Inc.
- Lab Technician, Quest Diagnostics
- Synthetech Chemist Intern, US DOE Research Technician, Univ of Chicago
- Scientist, Logitech 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

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

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**Updated Last: 071420**