INTRODUCTION TO THE MAJOR

The Chemical Engineering major equips students for professional work in development, design, and operation of chemical processes and of process equipment, as well as preparing students for graduate study. The program incorporates both breadth requirements and a technical curriculum to ensure that students develop a foundation in engineering and science along with developing the skills to write clearly, persuasively, and read critically and effectively.

Students go on to careers of leadership and innovation in chemical engineering and related fields, and expand the base of engineering knowledge through original research and creating new technologies that can benefit the public. The program is accredited by the Engineering Accreditation Commission of ABET.

STUDY OPTIONS

Students can pursue a concentration in biotechnology, chemical processing, environmental technology, materials science and technology, applied physical science, and business and management.

Students can also choose to pursue a joint major with the College of Engineering in Materials Science or Nuclear Engineering.

AMPLIFY YOUR MAJOR

- Apply to the Chemistry and Chemical Engineering Scholars Program to be an Undergraduate Student Instructor.
- Join a ChemE student organization such as AIChe, Aurum Cosmetics, Biofuels Technology Club, or ChemE Car.
- Present your research at the College of Chemistry poster session in April.
- Apply to the CBE Innovation Incubator, a lab to conduct student-directed projects.

Chemical engineering allows you to craft elegant solutions to seemingly unsolvable problems—the program and faculty will transform you.

– Aditya Nandy, recent graduate
**FIRST YEAR**

- Meet with your staff adviser to discuss your academic plans.
- Familiarize yourself with major and college requirements.
- Learn about undergraduate student services from 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.
- Join a College of Chemistry student organization such as AIChE, Aurum Cosmetics, Biofuel Technology Club, or ChemE Car.
- Explore the college’s centers & institutes.
- Attend college seminars and events to learn about new research and meet guest speakers.

**THIRD YEAR**

- Focus on upper division requirements.
- Review your degree progress with your staff advisor.
- Declare a concentration to give more focus to your upper division coursework.
- Ask the staff advisor about the college honors programs.
- Give back by becoming a peer advisor or peer tutor in the college.
- Welcome new students to UC Berkeley as a Golden Bear Orientation Leader.
- Get to know professors and graduate student instructors during their office hours.

**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.
- Join a professional organization related to your interests, such as Alpha Chi Sigma.
- Connect with alumni groups and build your network so you prepare to graduate.

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**WHAT CAN I DO WITH MY MAJOR?**

**Jobs and Employers**
- Applications Engineer, KLA-Tencor
- Associate Analyst, ZS Associates
- Consultant, IBM Corp
- Engineer, ExxonMobil
- Lab Technician, Full Cycle Bioplastics
- Process Engineer, Abaaxis
- R&D Process Engineer, PLANIT
- Research Assistant, Symergen

**Graduate Programs**
- BioPhysics, PhD
- Chemical Engineering, PhD
- Materials Engineering, PhD
- Physical & Theoretical Chem, PhD

**Loss of recent Berkeley graduates.**
- First Destination Survey
- Jobs and Employers
- With My Major?