INTRODUCTION TO THE MAJOR

The Engineering Science (ES) program is a multidisciplinary and interdisciplinary undergraduate program that encompasses closely-related areas of the physical sciences, mathematics, and engineering. Students in the ES program acquire knowledge of engineering methods and can pursue their interests in areas of natural science, as well as advanced study in engineering, science, or mathematics. Students choose one of four majors: energy engineering, engineering mathematics and statistics, engineering physics, or environmental engineering science. A minor in energy engineering is also offered.

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.

Advance Your Major

• Get involved with a student group such as Society of Engineering Sciences
• Apply to GLOBE Ambassadors, a learning and travel program for Engineering students.
• Pursue a research opportunity for Engineering students.
• Enrich your studies with a minor in Energy and Resources or Sustainability.

The classes across a variety of departments have allowed me to take a very interdisciplinary approach to engineering. And the great community within this major has taught me how to work with a team.


Major Options

Energy Engineering interweaves the fundamentals of classical and modern physics, chemistry, and mathematics with energy engineering applications.

Engineering Mathematics and Statistics is the study of pure and applied mathematics as essential components of modern engineering.

Engineering Physics interweaves classical and modern physics, chemistry, and mathematics with their engineering applications.

Environmental Engineering pairs engineering fundamentals with courses in the environmental and natural sciences.

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 engineeringscience.berkeley.edu for news and updates.

Amplify Your Major

• Get involved with a student group such as Society of Engineering Sciences
• Apply to GLOBE Ambassadors, a learning and travel program for Engineering students.
• Pursue a research opportunity for Engineering students.
• Enrich your studies with a minor in Energy and Resources or Sustainability.