INTRODUCTION TO THE MAJOR

The Civil Engineering major offers opportunities for rigorous academic learning, fellowship, hands-on experience, and leadership. Classes are relatively small, so students get to know both the faculty and fellow students. The program provides students with a strong fundamental background in engineering science, design, and practice. Students learn to solve societal problems—in California, the United States, and the world—such as:

• Improving civil infrastructure
• Protecting resources
• Mitigating hazards
• Creating efficient and sustainable civil systems

The program is top-ranked nationally and is accredited by the Engineering Accreditation Commission of ABET.

AMPLIFY YOUR MAJOR

• Join one of the seven competitive CEE teams.
• Hone your leadership skills through ASCE, Chi Epsilon or CEE-JFC.
• Apply for research through the UROP program.
• Attend weekly company info sessions, hosted by ASCE.

DESIGN YOUR STUDIES IN CEE

The undergraduate curriculum provides flexibility and exploration within the major. Students may choose courses that span the breadth of civil and environmental engineering, or students can focus their studies by choosing courses within specific areas: engineering and project management; environmental engineering; geosystems; structural engineering, mechanics and materials; or transportation engineering.

CEE at Cal is amazing because it is such a small community in such a large university. You really get to know your classmates and professors.

— Amber Chau, CEE class of 2020

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 ce.berkeley.edu for news and updates.

ADVISING

Connect with the CEE Undergraduate Advisor for class information and support. Email Erin Leigh Inama at cee-ug@berkeley.edu or stop by 750 Davis Hall.

HOW TO USE THIS MAP

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

Design Your Journey

Bachelor of Science

FIRST YEAR
- Explore your major
  - Review the CEE 4-Year Plan and College of Engineering requirements.
  - Plan your lower division courses to avoid taking too many technicals at once.
  - Get info on classes and careers at the Departmental Advising Forum hosted by Chi Epsilon.

SECOND YEAR
- Continue fulfilling lower division CEE foundational requirements.
  - Plan now if you are considering a minor or summer minor.
  - Consider applying to the department's Undergraduate Research Opportunity Program.

THIRD YEAR
- Continue working on upper division coursework.
  - Choose electives that will give you specialized skills in a specific area of CEE.
  - Check in with your CEE advisor on major requirements during office hours or at the Departmental Advising Forum.

FOURTH YEAR
- Complete any remaining major requirements and electives.
  - Take a CEE Capstone Design class.
  - Check in with an ESS advisor to ensure you are on track to graduate.
  - Apply to graduate school, if interested.

WHAT CAN I DO WITH MY MAJOR?

Jobs and Employers
- Asst. Proj. Eng., Turner Constr
- Field Eng., Roux Assoc.
- Civil Analyst, Kimley Horn & Assoc
- Civil Engineer, FPL & Associates
- Consultant, Navigate Consulting
- Boom Environmental Entry Level Engineer, SGH
- Hardware Engineer, Raytheon
- Project Engineer, Lendlease
- Structural Engineer, Boeing
- Research Associate, Syntrix
- Transportation Engineer, CalTrans

Graduate Programs
- Architecture
- Artificial Intelligence and Robotics
- City Planning
- Civil Engineering
- Environmental Engineering
- Mechanical Engineering
- Structural Engineering
- Systems Engineering
- Transportation Engineering

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

Updated: 10.31.23