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
CIVIL ENGINEERING

Bachelor of Science

DESIGN YOUR JOURNEY

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
- Connect and build community
  - Explore CEE student life at events hosted by the student chapter of the American Society of Civil Engineers (ASCE).
  - Explore student organizations at Calapalooza and on CalLink.
  - Gain practical experience by joining a CEE competition team.
- Discover your passions
  - Visit the Office of Undergraduate Research and Scholarships to learn about research opportunities and resources on campus.
  - Learn how Engineering students can get involved in student research.
  - Explore new topics through DeCal courses.
- Engage locally and globally
  - Meet with your advisor to discuss studying abroad in your 4-year plan.
  - Explore volunteering opportunities on campus.
  - Learn about community service with the Public Service Center.
  - Apply to study abroad through Berkeley Study Abroad.
  - Meet STEM students with Pioneers in Engineering and Berkeley Engineers and Mentors.
  - Consider the Alternative Breaks program to go on service-learning trips over school breaks.

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
- Field Eng., Roux Assoc.
- Civil Analyst, Kimley-Horn & Assoc.
- Civil Engineer, PPL & Associates
- Consultant, Navigant Consulting
- Engineer, Bloom Environmental Entry Level Engineer, SGH
- Hardware Engineer, Raytheon
- Project Engineer, Lendlease
- Structural Engineer, Boeing
- Research Associate, Synvirobio
- 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