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, ChiEpsilon or CEE-JFC.
- Apply for research through CEE's 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 Julia Konopasek at konopasek@berkeley.edu or stop by 750 Davis Hall.

CONNECT WITH US

Visit vcue.berkeley.edu/majormaps for the latest version of this major map.
# 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.

**Connect and build community**
- Explore CEE student life at events hosted by the student chapter of the American Society of Civil Engineers (ASCE).
- Visit the Office of Undergraduate Research and Scholarships to learn about research opportunities and resources on campus.
- Explore volunteering opportunities on campus.
- Visit the Career Center and use the Yearly Planner to guide your career path.

**Discover your passions**
- Attend office hours of professors to learn about their work and how it’s applicable to the profession.
- Explore research opportunities and how to earn credit for research.
- Meet with your advisor to discuss studying abroad in your 4-year plan.
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**Engage locally and globally**
- Gain practical experience by joining a CEE competition team.
- Engage with your major through DeCal courses.
- Gain leadership experience through ASCE or another engineering student group.
- Apply study abroad through Berkeley Study Abroad.
- Join College of Engineering networks for students and alumni.

**Reflect and plan your future**
- Look to shadow an engineer.
- Consider applying to the department’s Undergraduate Research Opportunity Program.
- Consider the Alternative Breaks program to go on service-learning trips over school breaks.
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- Join CEE Connections to find mentorship and opportunities in Civil Engineering.
- Join CEE Career Fairs to find summer jobs, internships, and full-time positions.
- Attend career fairs by the American Society of Civil Engineers and the Career Center.

### SECOND YEAR

**Explore your major**
- Continue fulfilling lower division CEE foundational requirements.
- Plan now if you are considering a minor or summer minor.
- Attend office hours of professors to learn about their work and how it’s applicable to the profession.
- Explore research opportunities and how to earn credit for research.

**Connect and build community**
- Attend field trips and networking events hosted by ASCE.
- Attend field trips, info sessions, and networking events hosted by CEE student groups.
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**Discover your passions**
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### THIRD YEAR

**Explore your major**
- Continue working on upper division coursework.
- Choose electives that will give you specialized skills in a specific area of CEE.
- Check in with your major advisor on major requirements during office hours or at the Departmental Advising Forum.
- Complete any remaining major requirements and electives.
- Take a CEE Capstone Design class.
- Check in with a college advisor to ensure you are on track to graduate.
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**Connect and build community**
- Attend a CEAC member event hosted by the Career Center.
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### FOURTH YEAR

**Explore your major**
- Complete any remaining major requirements and electives.
- Take a CEE Capstone Design class.
- Check in with a college advisor to ensure you are on track to graduate.
- Apply to graduate school, if interested.

**Connect and build community**
- Give back by becoming an Engineering peer advisor or tutor at the Student Learning Center.
- Reconnect with any alumni who helped you succeed in previous years.
- Mentor younger students at the Departmental Advising Forum hosted by Chi Epsilon.
- Develop your professional skills by taking a leadership position in a CEE student group.

**Discover your passions**
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## 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, PPL & Associates
- Consultant, Navigate Consulting
- Environmental Entry Level Engineer, SGH
- Hardware Engineer, Raytheon
- Project Engineer, Lendlease
- Structural Engineer, Boeing
- Research Associate, Synvitro
- 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 Career Destinations Survey of recent Berkeley graduates.**

*Updated Last: 09/2019*