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 CEE’s UROP program.
- Attend weekly company info sessions, hosted by ASCE.

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.

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.

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 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.

- **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.

- **Reflect and plan your future**
  - Visit the Career Center and use the Yearly Planner to guide your career path.
  - Join Handshake to find Berkeley-specific career opportunities and resources.
  - Apply to shadow an engineer.
  - Shadow alumni in the Winter Internship Program.

#### SECOND YEAR
- **Explore**
  - 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.

- **Engage**
  - Attend office hours to learn about professors’ work and how it’s applicable to the profession.
  - Seek out mentorship from upper division students in the major.
  - Attend field trips and networking events hosted by ASCE.

- **Discover**
  - Explore research opportunities and how to earn credit for research.
  - Gain leadership experience through ASCE or another engineering student group.

- **Connect and build community**
  - Attend field trips, info sessions, and networking events hosted by CEE student groups.
  - Develop your professional skills by taking a leadership position in a CEE student group.
  - Mentor younger students through CEE student organizations.

- **Explore your major**
  - Consider the Alternative Breaks program to go on service-learning trips over school breaks.
  - Submit your research to an undergraduate journal.
  - Learn a marketable software tool such as GIS or AutoCad.

#### THIRD YEAR
- **Engage**
  - Attend field trips, info sessions, and networking events hosted by CEE student groups.
  - Develop your professional skills by taking a leadership position in a CEE student group.
  - Mentor younger students through CEE student organizations.

- **Discover**
  - Consider the Alternative Breaks program to go on service-learning trips over school breaks.
  - Submit your research to an undergraduate journal.
  - Learn a marketable software tool such as GIS or AutoCad.

- **Explore your major**
  - Study and take the GRE, LEED, or FE exams.
  - Consider a Berkeley Global Internship such as the Engineering Internship in Toronto.
  - Talk with faculty about career advice.

- **Connect and build community**
  - Attend the department’s Graduate School fellowships available to recent Berkeley graduates.
  - Explore gap year opportunities prior to embarking on your next academic or career adventure.

- **Engage locally and globally**
  - Apply for fellowships available to recent Berkeley graduates.
  - Attend career fairs by the American Society of Civil Engineers and the Career Center.

- **Reflect and plan your future**
  - Attend career fairs by the American Society of Civil Engineers and the Career Center.
  - Attend info sessions hosted by CEE-JFC.
  - Apply to jobs or graduate school.

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

- **Discover**
  - Enroll in non-major courses on your bucket list.
  - Earn a certificate through the Sutardja Center for Entrepreneurship & Technology, Jacobs Institute for Design and Innovation, or Arts + Design.

- **Explore your major**
  - Study for and take the GRE, LEED, or FE exams.
  - Consider a Berkeley Global Internship such as the Engineering Internship in Toronto.
  - Talk with faculty about career advice.

- **Connect and build community**
  - Attend career fairs by the American Society of Civil Engineers and the Career Center.
  - Attend info sessions hosted by CEE-JFC.
  - Apply to jobs or graduate school.

- **Engage locally and globally**
  - Apply for fellowships available to recent Berkeley graduates.
  - Explore gap year opportunities prior to embarking on your next academic or career adventure.

- **Reflect and plan your future**
  - Attend career fairs by the American Society of Civil Engineers and the Career Center.
  - Attend info sessions hosted by CEE-JFC.
  - Apply to jobs or graduate school.

### WHAT CAN I DO WITH MY MAJOR?

- **Jobs and Employers**
  - Asst. Proj. Eng., Turner Constr
  - Assoc. Field Eng., Rous Assoc.
  - Civil Analyst, Kimley Horn & Assoc
  - Civil Engineer, FPL & Associates
  - Consultant, Navigant Consulting
  - Boom Environmental
  - Entry Level Engineer, SGH
  - Hardware Engineer, Raytheon
  - Lead ASIC Structural Engineer, Boeing
  - Research Associate, Syntrbio
  - 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.**

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