INTRODUCTION TO THE MAJOR

The Computer Science major (CS) deals with computer theory, methods of information processing, hardware and software design, and applications. The major combines a rigorous technical program with background in the liberal arts and sciences. The CS major prepares students for technical careers or graduate school programs related to EECS or CS.

All students admitted to the College of Letters & Science are admitted as undeclared students. To declare CS, students must achieve a cumulative grade point average of 3.30 in CS61A, CS61B, & CS70. All students who meet this criteria are admitted into the major.

ONE DEPARTMENT, TWO PROGRAMS

There is no difference in the CS course content between the CS and EECS majors—the differences are what other subjects you would like to study and the admissions processes to the university and majors.

If you prefer greater flexibility in your coursework or have an interest double-majoring in an area outside engineering, the CS major might be a good choice. There is greater opportunity to explore other departments, like Economics, Business, and Music. If you have a great interest in electrical engineering or in double-majoring in another engineering major, the EECS major may be better suited for you.

CS isn’t something I could’ve done alone, so I’m grateful for the community here.

– Steven Tan, CS student and CS Peer Advisor

RELATED MAJORS

- There are many ways to get exposure to CS other than via the CS major. The following majors are avenues to study CS and to help prepare students for industry and graduate school: Applied Math, Cognitive Science, Data Science, and Statistics.
- The CS minor is also a great option that equips students for industry and graduate school.

ADVISING

Prospective students can make an appointment to meet with a CS advisor at berkeleys. youcanbook.me. Current students should make a CS advising appointment through CalCentral.

Drop-in CS advising is available on Wednesdays, 10-12pm & 1-4pm in 349 Soda Hall.

Letters & Science College advising services can be found at ls.berkeley.edu/advising/advising-services.

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.

Visit vcue.berkeley.edu/majormaps for the latest version of this major map.
**Computer Science**

**Bachelor of Arts**

**Design Your Journey**

### What Can I Do with My Major?

**Jobs and Employers**
- Application Developer, Workday
- ASIC Engineer, Nvidia
- Assoc. Publishing Producer, Google
- Consultant, Bain and Company
- Cyber Security Consultant, Deloitte
- Data Analyst, Apple
- Data Scientist, Nerdwallet
- Front End Developer, HealthTap
- Hardware Engineer, Apple
- Infrastructure Engineer, Capital One
- iOS Engineer, Mozilla
- Machine Learning Engineer, eBay
- Mobile Developer, Sony
- Program Manager, Microsoft
- R&D Engineer, Gilt Photonics
- Software Developer, Expedia
- Software Engineer, Airbnb
- Surface Warfare Officer, U.S. Navy
- Teacher, Teach for India
- Technology Analyst, Goldman Sachs
- UX Designer, GoDaddy

**Graduate Programs**
- Algebra and Numbers Theory
- Artificial Intelligence and Robotics
- Audiology and Hearing Sciences
- Biological Sciences
- Biostatistics
- Chemistry
- Computational Mathematics
- Computer Engineering
- Computer Graphics
- Computer Science
- Electrical Engineering
- Industrial and Org. Psychology
- Medicine
- Physical Chemistry
- Physics

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

### Connect and Build Community

- **NEW TO CS? APPLY TO CS SCHOLARS**
  - Get support in classes from resources and counselors
  - Become familiar with Disabled Students' Program, Gender Equity Resource Center, Undocumented Student Program, Educational Opportunity Program

- **Enroll in a Freshman & Sophomore Seminar**
  - Look for CS/EE 24 & 39
  - Visit the Office of Undergraduate Research and Scholarships to learn about research opportunities
  - Take a DeCal, a student-facilitated course

- **Prepare for the UC Berkeley Internship Program**
  - Learn about EECS student organizations
  - Consider becoming an Academic Intern, Reader, or Tutor for a lower-division CS/EE class
  - Seek CS Peer Advising and ask questions on the EECS 101 Plaza
  - Go to office hours of professors and GSIs

- **Explore study abroad options now so you can incorporate them into your sophomore or junior year plans.**
  - Explore volunteer opportunities on campus

### Discover Your Passions

- **Explore the Jacobs Institute for Design and Innovation**
  - Explore Beehive and other EECS research opportunities for undergraduates
  - Learn about upper-division technical electives for your major outside CS
  - Join CalTeach to gain teaching skills and explore a career in education

- **Interested in community outreach? Check out the opportunities available in community outreach programs for engineering students.**
  - Get matched with a graduate student mentor through Berkeley Connect
  - Consider researching and applying for scholarships available to recent Berkeley graduates
  - If interested in graduate school, explore gap year opportunities prior to embarking on your next academic or career adventure

### Engage Locally and Globally

- **Use the Yearly Planner to guide your career path.**
  - Join Handshake for Berkeley-specific career opportunities
  - Learn about career opportunities in EECS at the Career Center
  - Look for internship programs at various companies specific to first-year students

- **Subscribe to the eecs-ugrad-jobs listerv to learn about CS/EE Internship Fairs, EECS & STEM Career Fairs.**

### Reflect and Plan Your Future

- **Check-in with an L&S advisor**
  - Participate in faculty advising each semester once declared
  - If eligible and interested in research, consider the EECS Honors Program

- **Interested in community outreach? Check out the opportunities available in community outreach programs for engineering students.**
  - Get matched with a graduate student mentor through Berkeley Connect
  - Alternatively, seek and ask questions on upper-division Electives
  - Consider applying to the Accel Scholars Program

- **Learn how to become an Undergraduate Student Instructor in future semesters.**

- **Learn how to become a CS peer advisor or tutor at the Student Learning Center.**
  - Volunteer for EECS Departmental events like CS Education Day and Cal Day
  - See ways to stay in touch with the EECS Department after you graduate

- **Interested in community outreach? Check out the opportunities available in community outreach programs for engineering students.**
  - Get matched with a graduate student mentor through Berkeley Connect
  - Alternatively, seek and ask questions on upper-division Electives
  - Consider applying to the Accel Scholars Program