**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.

**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, & statistics.
- The CS minor is also a great option that equips students for industry and graduate school.

**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.

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**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.

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**CONNECT WITH US**

**Cal Day**

Come to UC Berkeley’s annual Open House in April for information sessions, campus tours, special talks, and more. See what events the EECS Department offers at eecs.berkeley.edu/academics/undergraduate/calday.

**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 eecs.berkeley.edu for news and updates.

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**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.
**FIRST YEAR**

**Explore your major**
- See CS requirements and declaration policies
- Plan on 1 CS class & 1 math class/semester: Take CS10 and/or CS8 before CS19A if no coding experience. See math requirements and AP/IB policies and find calculus starting point.
- Check in with a CS major advisor

**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

**Discover your passions**
- Visit the Office of Undergraduate Research and Scholarships to learn about research opportunities.
- Take a DeCal, a student-facilitated course

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

**Reflect and plan your future**
- 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.

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**SECOND YEAR**

**Discover your passions**
- 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.

**Engage locally and globally**
- Explore study abroad options for CS and meet with both a CS major advisor and your ESS advisor to confirm requirement fulfillment.
- Join Bridging Berkeley to become a math mentor to middle schoolers.

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**THIRD YEAR**

**Explore**
- 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.

**Reflect and plan your future**
- Attend Engineering and Tech Career Conference to prepare for recruiting season.
- Attend Job Search Essentials workshops.
- Explore graduate school options by speaking with faculty members and advisors.

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**FOURTH YEAR**

**Discover**
- Enjoy teaching and/or mentoring? Become an EE/CS DeCal facilitator or CS Mentor. Learn about how to become an Undergraduate Student Instructor in future semesters.
- Consider applying to the Accel Scholars Program

**Reflect and plan your future**
- Continue to attend industry-related events.
- Take the GRE & seek letters of recommendation if interested in graduate school.
- Attend Job Search Boot Camp for Seniors.
- View the Career Destinations Survey to find out what recent grads are doing.

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**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
- Reliability Engineer, Google
- 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
- Medical
- Physical Chemistry
- Physics

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