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.

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.
## COMPUTER SCIENCE

### Bachelor of Arts

**Design Your Journey**

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<th>FIRST YEAR</th>
<th>SECOND YEAR</th>
<th>THIRD YEAR</th>
<th>FOURTH YEAR</th>
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<tr>
<td><strong>Explore your major</strong></td>
<td><strong>Connect and build community</strong></td>
<td><strong>Discover your passions</strong></td>
<td><strong>Engage locally and globally</strong></td>
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<tr>
<td>See CS requirements and declaration policies</td>
<td>Complete the CS prerequisite coursework to declare your major. It is recommended to apply to CS by the end of your 2nd year. Use the EECS website to help guide your B.A. program, and the HKN course guide to think about future classes in CS/EE. Consider a minor.</td>
<td>Learn about EECs student organizations</td>
<td>Explore study abroad options now so you can incorporate them into your sophomore or junior year plans. Explore volunteer opportunities on campus.</td>
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<td>Plan on 1 CS class &amp; 1 math class/semester: Take CS10 and/or CS8 before CS61A, if no coding experience. See math requirements and AP/BP policies and find calculus starting point. Check in with a CS major advisor.</td>
<td>Complete CS lower-division requirements; begin taking upper-division courses. Check-in with a CS major advisor. Participate in faculty advising each semester once declared. If eligible and interested in research, consider the EECs Honors Program.</td>
<td>Enjoy teaching and/or mentoring? Become an EE/CS DeCal facilitator or CS Mentor. Learn how to become an Undergraduate Student Instructor in future semesters. Consider applying to the Accel Scholars Program.</td>
<td>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.</td>
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<td><strong>WHAT CAN I DO WITH MY MAJOR?</strong></td>
<td><strong>Jobs and Employers</strong></td>
<td>Carry out your own research project funded by scholarships. Attend events at the Sutardja Center for Entrepreneurship &amp; Technology or the Jacobs Institute for Design and Innovation.</td>
<td>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.</td>
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### 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, Glint Photonics
- Site 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
- Medicine
- Physical Chemistry
- Physics

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