**INTRODUCTION TO THE MAJOR**

The Electrical Engineering & Computer Sciences (EECS) major combines the fundamentals of computer science and electrical engineering in one major. The EECS major prepares students:

- To pursue postgraduate education in electrical engineering, computer science, or related fields.
- For success in technical careers related to electrical and computer engineering, or computer science and engineering.
- To become leaders in fields related to electrical and computer engineering or computer science and engineering.

**AMPLIFY YOUR MAJOR**

- Pursue your interests and challenge yourself by conducting research with EECS faculty.
- Get a competitive edge with PREP and T-PREP programs for new Engineering students.
- If eligible and interested in research, consider applying for the EECS Honors Program.
- CS Mentors is a student-run organization that provides a smaller classroom environment through group tutoring sessions.
- Explore study abroad options available to EECS majors on the EECS Study Abroad page.

**EECS taught me to think outside the box, to approach problems and solve them.**

— Erica Maida, EECS student

**EECS OR COMPUTER SCIENCE (CS)?**

There is no difference in the computer science course content between the EECS and CS majors—the difference is what other subjects you’d like to study.

If you prefer greater flexibility in your coursework, or have an interest in double-majoring within L&S, then the CS major might be a good choice. There is greater opportunity to explore other departments, such as economics, statistics, business, and music. If you have an interest in electrical engineering, or have an interest in double-majoring in another engineering major, the EECS major may be better suited for you.
**ELECTRICAL ENGINEERING AND COMPUTER SCIENCES**

**Bachelor of Science**

**FIRST YEAR**
- Review requirements for the EECS major, COE and UC/Campus.
- Take intro courses CS10 and/or CS8 if you have no prior coding experience.
- Meet an advisor and map out a plan of study.
- Refer to sample study plans for guidance.
- Participate in faculty advising each semester.

**SECOND YEAR**
- Finish completing math and lower division EE & CS requirements.
- Use the HKN course guide to review possible future classes.
- Consider a minor.
- Check out a course at the Jacob’s Institute for Design or sign up for a Maker Pass.

**THIRD YEAR**
- Check in with an EECS advisor to make sure you are on track to graduate.
- If eligible and interested in research, consider the EECS Honors Program.
- Consider applying to the Accel Scholars Program for mentoring & exposure to various career paths.

**FOURTH YEAR**
- Finish completing any remaining requirements.
- Meet with an ESS or EECS advisor to do a degree check and ensure you are on track to graduate.
- Participate in general and/or the College of Engineering commencement.

**WHAT CAN I DO WITH MY MAJOR?**

**Jobs and Employers**
- Audio Test Engineer, THX Computing Technician, Pandora Consultant, Google
- CTO, Evolution Devices Data Scientist, Proofpoint
- Design Engineer, GM Developer, Salesforce
- Elect. Engineer, Northrop Grumman
- Firmware Engineer, Fbt
- Graphics Software Engineer, Intel
- Hardware Engineer, Amazon
- Product Designer, Facebook
- Programmer, Celect
- Researcher, Signetron
- Software Developer, Capital One
- Software Engineer, Apple
- Solutions Engineer, Cisco
- Technical Asst., Ind. Light & Magic
- Technology Associate, Bridgewater

**Graduate Programs**
- Artificial Intelligence and Robotics
- Business Administration
- Computer Engineering
- Computer Graphics
- Computer Programming
- Computer Science
- Computer Engineering
- Electrical Engineering
- Information Technology
- Materials Engineering
- Mechanical Engineering

**Examples gathered from the Career Destinations Survey of recent Berkeley graduates.**

**FIRST YEAR**
- Explore your major
- Connect and build community
- Discover your passions
- Engage locally and globally
- Reflect and plan your future

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

**THIRD YEAR**
- Explore study abroad options for EECS and meet with both an EECS major advisor and your ESS advisor to confirm requirement fulfillment.
- Join Bridging Berkeley to become a math mentor to middle schoolers.

**FOURTH YEAR**
- 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.
- Attend the Engineering and Tech Career Conference to prepare for recruiting season.
- Attend Job Search Essentials workshops.
- Explore graduate school opportunities by speaking with faculty members and advisors.
- Continue to attend industry related events.
- If interested in graduate school, take the GRE and ask for letters of recommendation.
- Attend the Job Search Boot Camp for Seniors.
- View the Career Destinations Survey to find out what recent grads are doing.

**EXPRESSIONS GATHERED FROM THE CAREER DESTINATIONS SURVEY OF RECENT BERKELEY GRADUATES.**

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