**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 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 interest in electrical engineering, or have interest in double-majoring in another engineering major, the EECS major may be better suited for you.

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

— Erica Maida, EECS student

**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.
**Design Your Journey**

**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 HKNN 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.

**Explore your major**
- New to CS? Apply for the CS Scholars Program.
- Get academic support from resources and counselors.
- Become familiar with Disabled Students’ Program, Gender Equity Resource Center, Undocumented Student Program, and Educational Opportunity Program.

**Connect and build community**
- Visit the Office of Undergraduate Research and Scholarships to learn about research opportunities.
- Take a DeCal, a student-facilitated course.

**Discover your passions**
- Assist a professor in their research through the Undergraduate Research Apprenticeship Program.
- Learn more about research opportunities available at UC Berkeley.
- Explore Beehive and other EECS research opportunities for undergraduates.
- Join CalTeach to gain teaching skills and explore a career in education.

**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.
- 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.

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

**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, Fbtbit
- 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
- Computer Graphics
- Electrical Engineering
- Information Technology
- Materials Engineering
- Mechanical Engineering

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

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