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 are a few differences 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.
### Design Your Journey

#### First Year
- **Explore your major**
  - Review requirements for the EECS major, COE and UC/Campus.
  - Take intro courses CS 10 and/or DATA 8 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
- **Connect and build community**
  - 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.
- **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.

#### Third Year
- **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, Clect Researcher, Signetron Software Developer, Capital One Software Engineer, Apple Solutions Engineer, Cisco Technical Asst., Ind. Light & Magic Technology Associate, Bridgewater

#### Fourth Year
- **Graduate Programs**
  - 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, Clect Researcher, Signetron Software Developer, Capital One Software Engineer, Apple Solutions Engineer, Cisco Technical Asst., Ind. Light & Magic Technology Associate, Bridgewater

#### Design Your Journey

#### First Year
- **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.

#### Second Year
- **And Plan Your Future**
  - Subscribe to the eecs-ugrad-jobs list serve to learn about EECS Info-sessions and Tech Talks.
  - Attend the EECS Internship Fair and EECS & STEM Career Fairs.
  - Meet with the Career Center or UPE for resume help and interview practice.

#### 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
- **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.
  - 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.

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#### CoE Review Requirements
- Review requirements for the EECS major, COE and UC/Campus.
- Take intro courses CS 10 and/or DATA 8 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.

#### Connect Globally
- Enjoy teaching and/or mentoring? Become an EECS DeCal facilitator or CS Mentor. Learn about how to become an Undergraduate Student Instructor in future semesters.
- Attend EEE Department Colloquium Series to learn more about the field.

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

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#### Discover Your Passions
- Visit the Office of Undergraduate Research and Scholarships to learn about research opportunities.
- Take a DeCal, a student-facilitated course.

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#### 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.

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

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**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, Clect Researcher, Signetron Software Developer, Capital One Software Engineer, Apple Solutions Engineer, Cisco Technical Asst., Ind. Light & Magic Technology Associate, Bridgewater

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**Graduate Programs**

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