

# Prepare to Declare Electrical Engineering!

## Propose!

In order to declare the Electrical Engineering major, your proposed major in myUCSC must be one of the following:

- Biomolecular Engineering and Bioinformatics
- Computer Engineering
- Computer Science: Computer Game Design
- Computer Science (BA or BS)
- Electrical Engineering
- Robotics Engineering
- Technology and Information Management

To change your proposed major to a School of Engineering major:

Please visit  
<http://tinyurl.com/proposedbsoe>

## Take classes your first year!

Within your first 3 quarters at UCSC you **MUST** pass MATH 19A or MATH 20A **AND 2** courses from the following list\*:

- CHEM 1A - General Chemistry
- CHEM 1B - General Chemistry
- **CSE 12 - Computer Systems & Assembly Language**
- **CSE 13E - Embedded Systems & C Programming OR CSE13S Computer Systems & C Programming**
- CSE 16 - Discrete Math
- CSE 30 - Programming Abstractions in Python
- CSE 50 - Business Information Systems
- CSE 58 - Systems Analysis & Design
- **MATH 19B - Calculus**
- **MATH 20B - Honors Calculus**
- **PHYS 5A - Intro to Physics I**
- **PHYS 5C - Intro to Physics III**

**Make sure to take all classes you are using for major requirements for a letter grade!**

## Qualify!

Complete **all** of the major qualification courses (listed below) no later than the end of your **5th quarter** at UCSC to declare.

### • Major Qualification Courses:

- MATH 19A
- MATH 19B
- AM 10 or MATH 21
- AM 20 or MATH 24
- PHYS 5A/L
- PHYS 5B/M
- PHYS 5C/N
- ECE 80T (recommended) or CSE 80C

**Earn at least a 2.8 GPA in the major qualification courses.** That's just above a B- average!  
*ECE 80T and CSE 80C are not included in the Major Qualification GPA*

## Declare!

**Declare your major no later than your 6th quarter at UCSC.**

Visit  
<https://undergrad.soe.ucsc.edu/declare-your-major>  
to see the steps to the major declaration process.

**Baskin School of Engineering declaration processes require an early start!** Be sure to visit the website and start the declaration process within the **first 2 weeks** of the quarter you are declaring!  
*Don't wait for the deadline!*

[undergrad.soe.ucsc.edu](http://undergrad.soe.ucsc.edu) \* [bsoeadvising@ucsc.edu](mailto:bsoeadvising@ucsc.edu) \* 9/18/2020

*These major qualification requirements are intended for students entering UCSC as a first-time frosh student in 2020-21. Students admitted to UCSC as a transfer student must be admitted to the major at the time of admission to UCSC.*

*\*Bolded courses are required courses for the Electrical Engineering BS major. Only one of MATH 19B or MATH 20B is required.*