

# Prepare to Declare Computer Engineering

## Propose

In order to declare the **Computer 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 Baskin Engineering major:

Please visit <http://tinyurl.com/m8j3u7w>

## 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**
- **ECE 13 - Computer Systems & C Programming OR CSE 13S Computer Systems & C Programming**
- **CSE 16 - Discrete Math**
- **CSE 30 - Programming Abstractions in Python**
- TIM 50 - Business Information Systems
- TIM 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 **36 credits** of major qualification coursework (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
- AM 30 or MATH 23A
- CSE 12
- ECE 13 or CSE 13S
- CSE 16
- CSE 30
- PHYS 5A/L
- PHYS 5C/N

Have no more than **7 credits of non-passing (below C) grades in major qualification courses**. Repeating a class replaces the grade in your GPA but will still count toward the non-passing grade total.

Earn at least a **2.8 GPA** in the major qualification courses. That's just above a B- average!

## 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 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](https://undergrad.soe.ucsc.edu) \* [bsoeadvising@ucsc.edu](mailto:bsoeadvising@ucsc.edu) \* 9/16/2021

These major qualification requirements are intended for students entering UCSC as a first-time frosh student in 2021-22. 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 Computer Engineering BS major. Only one of MATH 19B or MATH 20B is required.**