# Prepare to Declare Robotics Engineering

**Baskin Engineering** UC SANTA CRUZ

## Propose

**In order to declare the Robotics 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:**
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 **41 credits** of the 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/L
  ECE 13
  CSE 16
  CSE 30
  ECE 9
  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.

**The 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!*

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 Robotics BS major. Only one of MATH 19B or MATH 20B is required.