

# CCS Computing Degree Requirements

Students are expected to maintain a 3.00 grade point average (GPA) in their computer science courses, with a 2.75 GPA being the minimum GPA acceptable in major courses.

## General Education Requirements

All CCS students must complete the CCS General Education requirements. Speak with a CCS staff advisor and/or CCS faculty advisor and refer to the CCS GE Requirements document.

## Computing Major Requirements (these requirements may change with your entering class)

### Mathematics

1. Math 3A/3B -- 8 units
2. Math 4A/4B -- 8 units
3. Math 6A -- 4 units
4. PSTAT 120A -- 4 units
5. PSTAT 120B -- 4 units

### Science

Twenty units to be broken down the following way:

Twelve units from the following list, including at least 1 laboratory course:

- Physics: 1, 2, 3 & 3L, 4 & 4L, 5 & 5L
- Chemistry: 1A & 1AL, 1B & 1BL, 1C & 1CL
- Molecular, Cellular, & Developmental Biology: 1A & 1AL
- Molecular, Cellular, & Developmental Biology: 1B & EEMB 2 & (1BL or 2L)

An additional 8 units of "any science course" with advisor approval.

### Computer Science

1. CMPTGCS 1A, 1B, & 1L
2. CMPTGCS 2

Students also are required to take those CCS computer science courses, and any other UCSB courses, that the student's faculty advisor deems necessary. This aspect of the curriculum is tailored for each student.

In the mathematics and science courses listed above, students may instead take a CCS course that their advisor deems acceptable. Some of the requirements above also can be met via advanced placement (please see the General Catalog).

### Upper Division

The upper division requirements are the same as those for upper division Computer Science majors in the College of Engineering (Bachelor of Science degree program). These include the Major requirements, the Major Electives, and the Ethics requirement. Students in the CCS Computing program have flexibility to take CoE Computer Science courses for which they do not satisfy the formal prerequisites, provided they can satisfy their faculty advisor that they have sufficient preparation for the course. Students meet with their CCS faculty advisor each quarter and obtain approval for their planned course of study for the next quarter. CCS Computing students must also complete a mandatory Mid-Residency Review, which will be scheduled during the student's second year unless otherwise specified by their faculty advisor.

Students may petition for substitution of more advanced coursework in place of degree requirements (for example, a graduate course in the same topic). All such substitutions require written advisor approval, and must be kept on file with the CCS office.