

Example Sequence of Courses for the CCS Physics Major

Freshman year

Fall	Winter	Spring
Physics CS31	Physics CS32	Physics CS33
Math 3C	Math 5A	Math 5B
(elective)	(elective)	(elective)
(elective)	(elective)	(elective)

Sophomore year

Fall	Winter	Spring
Physics CS34	Physics CS35	Physics CS36
Physics CS15A	Physics CS15B	Physics CS15C
Math 5C	Physics 105A	Physics 105B
(elective)	(elective)	(elective)

Junior year

Fall	Winter	Spring
Physics 100A	Physics 100B	(elective)
Physics 110A	Physics 110B	Physics 110C
Physics 119A	Physics 115A	Physics 115B
(elective)	(elective)	(elective)

Senior year

Fall	Winter	Spring
Physics 115C	Physics 128A	Physics 128B
Physics 127A	(elective)	(elective)
(elective)	(elective)	(elective)
(elective)	(elective)	(elective)

Additional requirements (included in above schedule as "(elective)":

- **In addition to the physics courses listed here by number,**

you are required to take at least 14 additional units of upper-division physics courses (Individual courses are typically 3 or 4 units).

- Chem 1A and 1B are required, unless you took AP Chemistry in high school **and passed the AP Chemistry Exam with a 4 or 5.** You do not have to take the associated laboratory courses (Chemistry 1AL and 1BL).

- **Physics 128AB (Senior Lab) can be replaced by a Senior Thesis**

The senior thesis must be based on the research done with any of the research groups in the Physics Department.

- At least one upper-division mathematics course is required. Recommended courses are:

Math 108A, 108B, 122A, 122B, or equivalent CCS courses.

- Eight (8) courses broadly distributed in fields unrelated to physics are required., These are to be determined in consultation with your CCS advisor.

These may be selected from courses offered by the College of Creative Studies, and the College of Letters and Science.

Of these eight courses:

- Three courses must form a unified (ABC) sequence.

- One course must satisfy the UCSB ethnicity requirement.

- One course must satisfy the UCSB American history and institutions requirement.

This requirement is waived if you have passed the AP US History or the AP US Government exam with a score of 3, 4, or 5.

A list of courses that satisfy this requirement can be found in the UCSB Catalog.

It is possible to satisfy both the ethnicity requirement and the American history and institutions requirement with a single UCSB course. See the UCSB Catalog for details.

- Two additional science, engineering, computer science or math related courses (non-physics) are required

- **Grad courses may be taken as the student reaches the appropriate level of preparation, usually during 3rd and 4th years.**