

**FROSH & TRANSFERS
APPLIED PHYSICS MAJOR
UNIVERSITY OF CALIFORNIA, SANTA CRUZ
2009-2010**

Requirements for the applied physics major include: Physics 5A/L, 5B/M, 5C/N, 5D; Math 19A or 20A, 19B or 20B, 23A, 23B or Phys 14; CMPS elect; Chemistry 1A; plus eleven upper-division physics courses (and any prerequisites): 101A, 101B, 105, 110A, 110B, 112, 116A, 116B, 116C, 133 and 134. In addition, students must complete the senior thesis research sequence, 195A-B, and a senior thesis on an applied physics topic. Lastly, students must pass at least three upper-division applied physics electives (and any prerequisites). While Physics 139A is strongly recommended as one of these electives, students can choose any three of the classes listed on the back or may petition for approval for a course in another department suggested by the student in discussion with a faculty advisor.

Listed below are courses required for an applied physics major:

	FALL	WINTER	SPRING
1 st	Physics 5A/L Math 19A or 20A Physics 10 (recommended)	Physics 5B/M Math 19B or 20B	Physics 5C/N Math 23A CMPS elective
2 nd	Physics 5D Physics 101A Math 23B	Physics 101B Physics 116A Chemistry 1A	Physics 116B Physics 133*
3 rd	Physics 105 Physics 116C Physics 134*	Physics 110A Physics 112	Physics 110B Phys 139A (or APPH Elective) Physics 11 (recommended)
4 th	Physics 195A APPH Elective	Physics 195B	APPH Elective

*Physics 133 is offered winter and spring quarters. Physics 134 is offered fall and winter quarters and may be taken junior or senior year after completing Physics 133.

Students transferring to UCSC as junior applied physics majors should have completed three quarters of introductory calculus-based physics with laboratory and three quarters of calculus, as well as one quarter of Chemistry and one quarter of Computer Science. It is also desirable to have an introductory course in modern physics as well as mathematics courses in linear algebra, vector calculus, and differential equations as preparation for upper division physics courses. The Physics Department advises each junior transfer student individually upon their arrival. Students attending an advising session need to bring a copy of transcript(s) and a course syllabus for each physics course they are transferring to UCSC.

If you would like to have more information, or have any questions, please contact:

Undergraduate Advisor
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