

**PHYSICS DEPARTMENT**  
**3019 BROIDA—PHONE: 805-893-4567**  
<http://www.physics.ucsb.edu>  
 College of Letters and Science  
 University of California, Santa Barbara

NAME \_\_\_\_\_  
 Date \_\_\_\_\_ Perm # \_\_\_\_\_  
**Note: See Major Progress Check on GOLD  
 for full list of all degree requirements.**

**PHYSICS MAJOR, B.S. – 2024-2025**

**Note:** For those students who have not completed AP calculus BC with a score of 5, Physics 8 is strongly recommended before attempting any other physics course.

**PREPARATION FOR THE MAJOR**

**UNITS TO COMPLETE**

Physics 21-22-23-24-25 .....	20 _____
Physics 20AL-BL-CL or 13AL-BL-CL.....	6 _____
Physics 29 .....	2 _____
Mathematics 2A or 3A, 2B or 3B, 4A-B, 6A-B .....	24-26 _____
Two science electives, chosen from the following or in consultation with a faculty advisor: Astronomy 1, 2, Chemistry 1A or 2A, 1B or 2B, Earth 2, 9, 11, 20, EEMB 22 or W22 or MCDB 20, PSTAT 10 .....	
	6-10 _____

**UPPER-DIVISION MAJOR**

52 UD Physics units are required, distributed as follows:

A. Physics 100A .....	4 _____
B. Physics 103, 104 .....	8 _____
C. Physics 110A-B.....	8 _____
D. Physics 115A .....	4 _____
E. Physics 119A.....	4 _____
F. <b><u>CONCENTRATION: (in consultation with undergraduate and faculty advisors)</u></b> .....	24 _____

**ASTROPHYSICS** - Physics 115B, 134L; one course from 127AL, 128AL, 129L, 199\*;  
 three courses from the following: Physics 132, 133, 136, 137

**CORE** - Physics 115B, 119B, 128AL; one course from the following: Physics 127AL, 129L, 134L;  
 one physics elective or PSTAT 120A; one additional physics elective

**EDUCATION** - Physics 128AL, 180; one course from the following: 134L, 127AL, 129L, 199\*;  
 three courses from the following: ED 128, 129, 130, 131, 133, 150

**SOFT AND LIVING MATTER** - Physics 119B, 127AL, 128AL, 138, 139, 141

\*Note: In order for 199 to count for the requirements of the Astrophysics and Education concentrations, it must consist of 4 units in one quarter, and involve the collection/processing of data and/or construction of instrumentation.

Courses taken: \_\_\_\_\_

A grade of C- or above is required in order to continue the sequence of upper division courses.

**MAJOR REGULATIONS**

- PREREQUISITES** ..... Check the *General Catalog* for the prerequisites to all listed courses.
- P/NP GRADING OPTION**..... Not allowed for any major course (Prep or UD major), including courses applied to the major from other departments.
- SUBSTITUTIONS** ..... In the major requirements permissible only by petition to the department chair and dean.
- G.P.A REQUIREMENTS** ..... At least 2.0 overall UC average in **all** upper-division major courses **and all** courses (Prep and UD) for the major.
- DOUBLE MAJORS**.....With the approval of each department chairperson, up to a total of 8 units may be applied simultaneously to both UD majors.