

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. – 2022-2023****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	6-9

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. <u>CONCENTRATION: (in consultation with undergraduate and faculty advisors)</u>	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 <i>General Catalog</i> 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.