PHYSICS DEPARTMENT 3019 BROIDA HALL – PHONE: 805-893-4567

http://www.physics.ucsb.edu College of Letters and Science University of California, Santa Barbara

NAME	
Date	Perm #

Requirements for the minor in ASTRONOMY AND PLANETARY SCIENCE, 2022-2023

All courses to be applied to the minor must be completed on a letter-grade basis, with the exception of up to 5 units from the following: Physics 145L, 198, 199.

PREPARATION	UNITS TO COMPLETE
Physics 1-2-3-4-5 (or Physics 21-22-23-24-25) and Physics 3L-4L-5L or 20AL-BL-CL or 13AL-BL-CL	20-26
Mathematics 2A or 3A, 2B or 3B, 4A-B, 6A-B	24-26
Recommended: Chemistry 1A-B-C, Earth Science 2. These courses are prerequisupper-division elective choices below.	site to several of the
<u>UPPER-DIVISION</u>	
18 UD units are required, distributed as follows:	
Physics 132	4
Physics 133	4
Ten units chosen from Physics 131, 136, 137, 134L, 141, 145L, 198*, 199* Earth Science 123, 124G, 159, 198*, 199*	
* Project must be approved by the faculty advisor. In addition, no more that 199 and Earth Science 198, 199 will be accepted toward the minor.	an 5 units from Physics 198,

Students must consult the General Catalog for prerequisites to required courses.

The following conditions must also be met for official recognition of the minor:

- The sponsoring department reports completion of the minor prior to the posting of the degree.
- At least 18 upper-division quarter units are completed for the minor. (Waivers cannot reduce the requirement below this number.)
- The UC grade-point average in ALL applicable upper-division courses is 2.0 or higher.
- No more than 5 upper-division units overlap between this minor and the upper-division portion of the major(s) or other minor(s). If overlap is greater with the major(s), completion of the minor will not be formally recognized; if overlap with other minor(s) is greater, only the first minor reported will be recognized