## 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.

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 2 A or $3 \mathrm{~A}, 2 \mathrm{~B}$ or $3 \mathrm{~B}, 4 \mathrm{~A}-\mathrm{B}, 6 \mathrm{~A}-\mathrm{B}$ 24-26

Recommended: Chemistry 1A-B-C, Earth Science 2. These courses are prerequisite to several of the upper-division elective choices below.

## UPPER-DIVISION

18 UD units are required, distributed as follows:


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

