

ASTRONOMY MINOR

The Department of Physics and Astronomy offers a minor in astronomy to qualified students. The requirement for a minor consists of the following:

Code	Title	Credits
PHY 2170	University Physics for Scientists I ¹	4
or PHY 2130	Physics for the Life Sciences I	
PHY 2171	University Physics Laboratory ¹	1
or PHY 2131	Physics for the Life Sciences Laboratory	
PHY 2180	University Physics for Scientists II ¹	4
or PHY 2140	Physics for the Life Sciences II	
PHY 2181	University Physics Laboratory II ¹	1
or PHY 2141	Physics for the Life Sciences Laboratory	
PHY 3300	Introductory Modern Physics ³	3
PHY 3310	Introductory Modern Physics Laboratory	2
Select three courses from the following:		9
AST 4100	Astronomical Techniques ²	
AST 4300	Planetary Astronomy and Space Science	
AST 5010	Astrophysics and Stellar Astronomy	
AST 5100	Galaxies and the Universe	
Total Credits		24

¹ If students take PHY 2130 and PHY 2140 then they must earn a cumulative 3.0 g.p.a. in those courses to be able to take PHY 3300.

² If students choose to take AST 4100 as one of the elective upper-level astronomy classes, then, AST 4200 is a co-requisite.

³ MAT 2010 and MAT 2020 are prerequisites for this course.

Many science and/or engineering majors already take the required calculus and basic physics sequence as part of their studies, however, non-science majors are unlikely to be able to complete the minor in under 24 credits. Students should consult the departmental Undergraduate Academic Advisor for approval of the minor prior to undertaking the program.