

# ASTRONOMY AND ASTROPHYSICS, MINOR

Requirements for a minor may be completed at any campus location offering the specified courses for the minor. Students may not change from a campus that offers their major to a campus that does not offer their major for the purpose of completing a minor.

## Program Requirements

Requirement	Credits
Requirements for the Minor	22-23

### Requirements for the Minor

A grade of C or better is required for all courses in the minor, as specified by Senate Policy 59-10 (<https://senate.psu.edu/policies-and-rules-for-undergraduate-students/59-00-minors-and-certificates/#59-10>).

In addition, at least six credits of the minor must be unique from the prescribed courses required by a student's major(s).

Code	Title	Credits
<b>Prescribed Courses</b>		
<i>Prescribed Courses: Require a grade of C or better</i>		
ASTRO 291	Astronomical Methods and the Solar System	3
ASTRO 292	Astronomy of the Distant Universe	3
PHYS 211	General Physics: Mechanics	4
<b>Additional Courses</b>		
<i>Additional Courses: Require a grade of C or better</i>		
Select 6-7 credits of the following:		6-7
Additional ASTRO 400-level courses		
AERSP 308	Mechanics of Fluids	
AERSP 312	Aerodynamics II	
EE 472	Space Astronomy and Introduction to Space Science	
GEOSC 474	Astrobiology	
METEO 466	Planetary Atmospheres	
PHYS 458	Intermediate Optics	
<b>Supporting Courses and Related Areas</b>		
<i>Supporting Courses and Related Areas: Require a grade of C or better</i>		
Select 6 credits from 400-level ASTRO courses (except ASTRO 496)		6