

MINOR IN ASTRONOMY

Department of Physics and Astronomy



Units required for Minor: 18

Program Description

Astronomy has played an important role in the development of modern science. Recent advances in technology and space exploration have made possible many remarkable new discoveries in astronomy. For both these reasons, the study of astronomy is an excellent way for the liberal arts student to gain an appreciation of scientific knowledge and methods, and is especially recommended for students who are preparing for a teaching career.

The minor in astronomy, in combination with a major in a physical science, can help prepare students for graduate study in astronomy or astrophysics, or for a career in this field. More information about these possibilities is available from advisors in the Department of Physics and Astronomy.

Program Requirements

Code	Title	Units
Required Courses (12 Units)		
Select one of the following:		3
ASTR 4A	Introduction to the Solar System	
ASTR 4B	Introduction to Stars, Galaxies, and Cosmology	
ASTR 4C	Introduction to Astrobiology	
ASTR 6	Astronomical Observation Laboratory	1
ASTR 131	The Solar System and Space Exploration 	3
ASTR 132	Stars, Galaxies and Cosmology 	3
ASTR 199	Special Problems ¹	2
Elective Courses (6 Units)		
Select two of the following:		6
CHEM 142	Introduction to Physical Chemistry	
CSC 25	Introduction to C Programming	
GEOG 107	Remote Sensing	
GEOG 113	Climate	
GEOG 116	Global Climate Change	
GEOL 114	Volcanology	
PHIL 125	Philosophy Of Science	
PHSC/HIST 107	History of the Physical Sciences	
PHYS 136	Electrodynamics of Waves, Radiation, and Materials	
PHYS 145	Optics	
PHYS 162	Scientific Computing: Basic Methods	
STAT 50	Introduction to Probability and Statistics	
STAT 115A	Introduction to Probability Theory	
Total Units		18

¹ Substitutions of up to 4 units of Physics and Physical Science courses are possible; consult a Department of Physics and Astronomy advisor.