

Minor in Astronomy

About This Program

The Astronomy Minor introduces Science (non-Physics) majors to the scientific study of the universe, from planets and stars to galaxies and cosmology. Students gain a conceptual understanding of celestial phenomena and experience with basic observational methods.

Competencies

1. Graduates will demonstrate a broad understanding of key astronomical concepts, including the structure and behavior of celestial bodies, the life cycles of stars, and the large-scale structure of the universe.
2. Graduates will be able to explain how astronomers gather and interpret data, including familiarity with telescopes, imaging techniques, and key observational tools used to study space.
3. Graduates will be able to analyze and interpret basic astronomical data, think critically about scientific models of the universe, and assess evidence-based explanations of natural phenomena.

Curriculum

Foundations

PHYS 1441	GENERAL COLLEGE PHYSICS I	4
PHYS 1442	GENERAL COLLEGE PHYSICS II	4
PHYS 2315	INTRODUCTORY ASTROPHYSICS	3
PHYS 3315	ASTROPHYSICS AND COSMOLOGY	3
PHYS 3316	ASTROBIOLOGY I	3

Elective

Select at least 1 hour in the following with approval from the Physics undergraduate advisor:	1
Special Problems (PHYS 4181, PHYS 4281) with Astronomy research faculty	
Special Topics (PHYS 4191, PHYS 4291, PHYS 4391) when a suitable topic is offered	

Total Hours	18
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Advising Resources

Location:

Science Hall 328 C

Email:

kaycee.nikses@uta.edu

Phone:

817-272-9686

Web:

Schedule an Appointment (<https://www.uta.edu/academics/schools-colleges/science/departments/physics/advising/>)

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