

## Requirements for the Astronomy Minor

The astronomy minor is designed for students interested in developing a basic understanding of astronomy and astrophysics and analyzing issues through a scientific viewpoint. A minimum of 23 hours of AST and related courses are required, including 9 hours of upper-division electives to be chosen in consultation with an academic advisor.

At least 12 credit hours must be upper-division courses. All courses must be completed with a grade of "C" (2.00 on a 4.00 scale) or better.

Required Courses – 14 credit hours

AST 111: Introduction to Solar Systems Astronomy (4)

AST 112: Introduction to Stars Galaxies and Cosmology (4)

AST 321: Introduction to Planetary and Stellar Astrophysics (3)

AST 322: Introduction to Galactic and Extragalactic Astrophysics (3)

Electives – 9 credit hours

Nine upper-division credit hours of electives are chosen in consultation with an academic advisor.

[AST](#) OR [MAT](#) OR [PHY](#) OR [SES](#) Upper-division elective (9)

In order to satisfy SQ natural science general studies requirements, both a lecture and its corresponding laboratory section must be completed.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

Advising procedures

Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. The student's major advisor can add the minor to the student's academic program using the code LAASTMIN. Minor requirements appear on the student's degree audit once the minor is added. The DARS system will be used for tracking student progress and verifying completion of the minor.

**IMPORTANT NOTE:** Students cannot double count courses in their minor toward the CORE classes in their major (related area courses are okay). Therefore, certain combinations of majors and minors are not permitted.

Incompatible Majors: BS in Earth and Space Exploration (Astrophysics)

## Astronomy Minor Checksheet

Course	Title	Pre-requisites	Offered
AST 111	Intro to Solar Systems Astronomy		F/SS
AST 112	Intro to Stars Galaxies and Cosmology		S
AST 321	Intro to Planetary and Stellar Astrophysics	MAT 266 or 271 with C or better; PHY 121 and 122 (or PHY 150) with C or better	F
AST 322	Intro to Galactic and Extragalactic Astro.	MAT 266 or 271 with C or better; PHY 121 and 122 (or PHY 150) with C or better	S

F=Fall, S=Spring, SS = Summer Session

Substitutions: All substitutions to minor requirements must be approved by a SESE advisor.

Transfer coursework: Must be evaluated by a SESE advisor before it can be applied toward minor requirements.