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 minor in astronomy consists of a minimum of 23 credit hours, of which at least 12 credit hours must be upper division. All courses must be completed with a grade of "C" (2.00 on a 4.00 scale) or better.

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

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

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); BS in Astronomical and Planetary Sciences
## Astronomy Minor Checksheet

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

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.