# ASTRONOMY MINOR

**Lower-Division**

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHYS 142</td>
<td>General Physics II</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 143</td>
<td>General Physics III</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 211</td>
<td>Modern Physics I</td>
<td>4</td>
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**Upper-Division**  

Select the following four courses:

- ASTR 301 Planetary Systems
- ASTR 302 Stars and Galaxies
- ASTR 326 Cosmology
- ASTR 444 Observational Astronomy

Or select three of the above ASTR courses and at least 3 units from the following electives:

- AERO 351 Introduction to Orbital Mechanics
- ASTR 470 Selected Advanced Topics
- ASTR 471 Selected Advanced Laboratory
- GEOL 415 Structural Geology
- PHYS 305 Classical Mechanics I
- PHYS 313 Introduction to Atmospheric Physics
- PHYS 318 Special Theory of Relativity
- PHYS 323 Optics
- PHYS 410 Physics of Solid Earth
- PHYS 418 Introduction to General Relativity

**Total units**  

24-25

1 Requires additional prerequisites.