# ASTRONOMY AND ASTROPHYSICS, MINOR

Requirements for a minor may be completed at any campus location offering the specified courses for the minor. Students may not change from a campus that offers their major to a campus that does not offer their major for the purpose of completing a minor.

## Program Requirements

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<th>Requirement</th>
<th>Credits</th>
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## Requirements for the Minor

A grade of C or better is required for all courses in the minor, as specified by Senate Policy 59-10 (https://senate.psu.edu/policies-and-rules-for-undergraduate-students/59-00-minors-and-certificates/#59-10). In addition, at least six credits of the minor must be unique from the prescribed courses required by a student’s major(s).

### Prescribed Courses

*Prescribed Courses: Require a grade of C or better*

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
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<tbody>
<tr>
<td>ASTRO 291</td>
<td>Astronomical Methods and the Solar System</td>
<td>3</td>
</tr>
<tr>
<td>ASTRO 292</td>
<td>Astronomy of the Distant Universe</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 211</td>
<td>General Physics: Mechanics</td>
<td>4</td>
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</tbody>
</table>

### Additional Courses

*Additional Courses: Require a grade of C or better*

Select 6-7 credits of the following:

- Additional ASTRO 400-level courses
- Additional AERSP courses
- EE 472  | Space Astronomy and Introduction to Space Science | 3 |
- GEOSC 474 | Astrobiology                                        | 3 |
- METEO 466 | Planetary Atmospheres                               | 3 |
- PHYS 458  | Intermediate Optics                                 | 3 |

### Supporting Courses and Related Areas

*Supporting Courses and Related Areas: Require a grade of C or better*

Select 6 credits from 400-level ASTRO courses (except ASTRO 496)