ASTRONOMY - MINOR

Declaration of a minor in astrophysical and planetary sciences is open to any student enrolled at CU Boulder, regardless of college or school.

Requirements

Course work applied to the minor may be applied toward General Education requirements or to a major offered by another department. Minimum requirements for a minor include:

- A minimum of six ASTR courses (18 credits), including at least three advanced courses (numbered above 3500; 9 credits).
- All course work applied to a minor must be completed with a grade of C- or better; no pass/fail work may be applied. The GPA for all minor degree course work must be equal to 2.00 (C) or higher.
- Students pursuing an individually structured major or a major in distributed studies are not eligible to earn a minor.
- Students are allowed to apply no more than three courses (9 credits), including two advanced courses (6 credits), of transfer work toward a minor.

Required Courses and Credits

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>ASTR 1030 &amp; ASTR 1040</td>
<td>Accelerated Introductory Astronomy 1 and Accelerated Introductory Astronomy 2</td>
<td>1</td>
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<tr>
<td>ASTR 2000</td>
<td>Ancient Astronomies of the World</td>
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<tr>
<td>ASTR 2010</td>
<td>Modern Cosmology-Origin and Structure of the Universe</td>
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<td>ASTR 2020</td>
<td>Space Astronomy and Exploration</td>
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<td>ASTR 2030</td>
<td>Black Holes</td>
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<td>ASTR 2040</td>
<td>The Search for Life in the Universe</td>
<td></td>
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<tr>
<td>ASTR 2500/ASEN 1400</td>
<td>Gateway to Space</td>
<td></td>
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<tr>
<td>ASTR 2600</td>
<td>Introduction to Scientific Programming</td>
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<tr>
<td>ASTR 3300</td>
<td>Extraterrestrial Life</td>
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Advanced

Select one of the following upper division course sequences:

Planetary Sequence:
- ASTR 3720 Planets and Their Atmospheres
- ASTR 3730 Planets, Moons, and Rings

Astrophysics Sequence:
- ASTR 3730 Astrophysics 1 - Stellar and Interstellar
- ASTR 3830 Astrophysics 2 - Galactic and Extragalactic

Select a minimum of one of the following:
- ASTR 3510 Observations and Instrumentation 1
- ASTR 3520 Observations and Instrumentation 2
- ASTR 3710 Formation & Dynamics of Planetary Systems
- ASTR 3720 Planets and Their Atmospheres
- ASTR 3730 Astrophysics 1 - Stellar and Interstellar
- ASTR 3740 Cosmology and Relativity
- ASTR 3750 Planets, Moons, and Rings
- ASTR 3760 Solar and Space Physics
- ASTR 3830 Astrophysics 2 - Galactic and Extragalactic
- ATOC 4720 Introduction to Atmospheric Dynamics

Total Credit Hours 18

1 Or ASTR 1010 and ASTR 1020 with permission.

Additional information is available from any faculty mentor. See the department's Undergraduate Studies (https://www.colorado.edu/aps/undergraduate-students/prospective-students) webpage.