ATMOSPHERIC SCIENCE MINOR

Banner Code: ATMS

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Topics include weather forecasting, climate change, and the predictability of coupled ocean-atmosphere-land-variations. Students in physics, math, engineering, and computational sciences may be attracted to this minor because it provides a compelling application of the fundamental methods of analysis learned in their major. Such students are ideal candidates for research in atmospheric science and climate dynamics; the minor will facilitate entry into graduate studies in these fields.

Students in Earth science, geography and geoinformation science, and environmental science may find this minor useful because the atmosphere is an important influence on geography, ecosystems, geological strata, and plays an important role in global change.

This is a Green Leaf program.

Admissions & Policies

Policies

Eight credits of coursework must be unique to the minor. For policies governing all minors, see AP.5.3.4 Minors.

Requirements

Minor Requirements

Total credits: 17

Students should refer to the Admissions & Policies tab for specific policies related to this program.

Core Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CLIM 101</td>
<td>Global Warming: Weather, Climate, and Society (Mason Core)</td>
<td>3</td>
</tr>
<tr>
<td>CLIM 111</td>
<td>Introduction to the Fundamentals of Atmospheric Science (Mason Core)</td>
<td>3</td>
</tr>
<tr>
<td>CLIM 112</td>
<td>Introduction to the Fundamentals of Atmospheric Science Lab (Mason Core)</td>
<td>1</td>
</tr>
<tr>
<td>CLIM 301</td>
<td>Weather Analysis and Prediction</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>Total Credits</td>
<td>11</td>
</tr>
</tbody>
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Electives

Select 6 credits from the following:

- CLIM 314 Severe and Extreme Weather
- or GGS 314 Severe and Extreme Weather
- CLIM 408 Senior Research

Total Credits 6