METEOROLOGY, MINOR

Saint Louis University’s minor in meteorology introduces students to approaches, tools and data used by meteorologists. A minor in meteorology is a good option for students who will have direct interactions with meteorologists, including students in aviation, civil engineering, business and pre-law. Students pursuing a career in broadcasting may also consider a minor in meteorology to gain experience in broadcast meteorology.

Meteorology is more than just the study of weather; it includes all of the atmosphere’s characteristics, structures and processes. Basic principles of physics and chemistry are applied to discover what makes the atmosphere work. Mathematical equations and techniques are used to predict the weather based on present conditions. Recently, meteorology has become increasingly vital to humankind’s concerns. Ozone depletion and global warming have been identified as threats to human existence on earth. Meteorologists are on the front lines of the battle to learn more about and model these phenomena.

A fascination with the atmosphere and the vast range of phenomena that it generates is critical to success in the program. Students pursuing a minor in meteorology will have direct interactions with our faculty and opportunities to engage with professional meteorologists from both the National Weather Service and the broadcasting industry.

Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>EAS 1420</td>
<td>Introduction to Atmospheric Science</td>
<td>3</td>
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<tr>
<td>EAS 1700</td>
<td>Weather Briefing</td>
<td>1</td>
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<td>EAS 2440</td>
<td>Atmospheric Processes and Systems</td>
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<td>EAS 2530</td>
<td>Fundamentals of Climate Systems</td>
<td>3</td>
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<tr>
<td>MATH 1510</td>
<td>Calculus I</td>
<td>4</td>
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<tr>
<td>MATH 1520</td>
<td>Calculus II</td>
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Science Requirement

Select one of the following:

- PHYS 1610 & PHYS 1620
  - University Physics I
  - University Physics I Laboratory
- PHYS 1310 & PHYS 1320
  - Physics I
  - Physics I Laboratory
- PHYS 1350
  - Aviation Physics

Minor Elective Courses

Select three of the following:

- EAS 3150
  - Broadcast Meteorology I
- EAS 3330
  - Physical Meteorology I
- EAS 3500
  - Numerical Modeling Applications
- EAS 3700
  - Mesoanalysis and Severe Storms
- EAS 4030
  - Elements of Air Pollution
- EAS 4200
  - Synoptic Meteorology I
- GIS 4010
  - Introduction to Geographic Information Systems

Total Credits 31

Non-Course Requirements

All Science and Engineering B.A. and B.S. students must complete an exit interview/survey near the end of their bachelor’s program.

Continuation Standards

Students with a minor in meteorology must maintain a 2.00 GPA in their minor coursework.