AVIATION WEATHER - MINOR

College of Aeronautics and Engineering
Aeronautics and Technology Building
Kent Campus
330-672-2892
cae@kent.edu
www.kent.edu/cae

Description
The Aviation Weather minor is for students wishing to gain a deeper understanding of weather and its physical and operational effect on aviation operations. Students will gain knowledge of the national weather information and forecasting system, as well as radar and satellite imagery and interpretation, weather information systems, thunderstorms and severe weather and information available to a crew in flight.

Fully Offered At:
• Kent Campus

Admission Requirements
Admission to a minor is open to students declared in a bachelor’s degree, the A.A.B. or A.A.S. degree or the A.T.S. degree (not Individualized Program major). Students declared only in the A.A. or A.S. degree or the A.T.S. degree in Individualized Program may not declare a minor. Students may not pursue a minor and a major in the same discipline.

Program Learning Outcomes
Graduates of this program will be able to:
• Access, interpret and apply weather tools in order to make decisions regarding aviation operations, including non-flight operations.

Minor Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>AERN 25250</td>
<td>ELEMENTS OF AVIATION WEATHER</td>
<td>3</td>
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<tr>
<td>AERN 25251</td>
<td>WEATHER INFORMATION SYSTEMS</td>
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<td>AERN 25252</td>
<td>THUNDERSTORMS AND SEVERE WEATHER</td>
<td>3</td>
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<td>AERN 35021</td>
<td>RADAR SATELLITE WEATHER INFORMATION</td>
<td>3</td>
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<td>AERN 35022</td>
<td>WEATHER STRATEGY FOR AIRCREWS</td>
<td>3</td>
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<tr>
<td>GEOG 31062</td>
<td>FUNDAMENTALS OF METEOROLOGY</td>
<td>3</td>
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<tr>
<td>GEOG 31064</td>
<td>PRINCIPLES OF CLIMATOLOGY</td>
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<tr>
<td>GEOG 41066</td>
<td>GLOBAL CLIMATE CHANGE</td>
<td>3</td>
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Minimum Total Credit Hours: 24

Graduation Requirements
Minimum Minor GPA
2.000

• Minimum 6 credit hours in the minor must be upper-division coursework (30000 and 40000 level).

• Minimum 6 credit hours in the minor must be outside of the course requirements for any major or other minor the student is pursuing.

• Minimum 50 percent of the total credit hours for the minor must be taken at Kent State (in residence).