**Meteorology, B.S.**  
303-556-3143 Science 2028  
*School or Letters, Arts and Sciences*  

<table>
<thead>
<tr>
<th>Category</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>General Studies</td>
<td>34</td>
</tr>
<tr>
<td>Major courses</td>
<td>42</td>
</tr>
<tr>
<td>Additional requirements</td>
<td>10</td>
</tr>
<tr>
<td>Required Mathematics Minor</td>
<td>24</td>
</tr>
<tr>
<td>Electives</td>
<td>10</td>
</tr>
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<td>Total to graduate (min. 40 hrs upper division)</td>
<td>120</td>
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</tbody>
</table>

*This sheet applies to the 2013-14 catalog only. It does not replace the full catalog or departmental advising sheets as official statements of requirements. Students with declared majors must work with a faculty advisor on course selection and sequencing to ensure a timely graduation.*

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### MAJOR COURSES (Please see a Faculty Advisor)

- **MTR 1400 (3 crh) Weather and Climate**  
- **MTR 2020 (1 crh) Weather Climate Lab for Scientists**  
- **MTR 2410 (3 crh) Weather Observing Systems**  
- **MTR 3330 (3 crh) Climatology**  
- **MTR 3400 (4 crh) Synoptic Meteorology**  
- **MTR 3410 (3 crh) Weather Analysis Techniques**  
- **MTR 3430 (3 crh) Atmospheric Thermodynamics**  
- **MTR 3440 (3 crh) Physical Meteorology**  
- **MTR 3450 (3 crh) Dynamic Meteorology**  
- **MTR 4400 (3 crh) Advanced Synoptic Meteorology**  
- **MTR 4500 (3 crh) Mesometeorology**  
- **MTR 4600 (3 crh) Senior Research Seminar**  
- **MTR (8crh) Elective Meteorology Courses (See faculty advisor)**  

### Additional MTR Major Requirements

- **PHY 2311 (4 crh) General Physics I**  
- **PHY 2321 (1 crh) General Physics I Laboratory**  
- **PHY 2331 (4 crh) General Physics II**  
- **PHY 2341 (1 crh) General Physics II Laboratory**

### Required Mathematics Minor

- **MTH 1410 (4 crh) Calculus I**  
- **CSS 1510 (4 crh) Computer Programming: FORTRAN**  

OR

- **CS 1050 (4 crh) Computer Science I**  
- **MTH 2410 (4 crh) Calculus II**  
- **MTH 2420 (4 crh) Calculus III**  
- **MTH 3210 (4 crh) Probability and Statistics**  
- **MTH 3420 (4 crh) Differential Equations**

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### Multicultural Requirement

(May be satisfied within General Studies major, minor, or elective)

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**ELECTIVES 10**