# Meteorology, B.S.

**303-556-3143 Science 2028**

<table>
<thead>
<tr>
<th>General Studies</th>
<th>34 min</th>
<th>Students who have reached junior standing (60 hrs) should request a CAPP (graduation compliance report) and review it with a faculty advisor.</th>
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<tbody>
<tr>
<td>Major courses</td>
<td>42</td>
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<tr>
<td>Additional requirements</td>
<td>10</td>
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<tr>
<td>Required Mathematics Minor</td>
<td>24</td>
<td></td>
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<tr>
<td>Electives</td>
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<tr>
<td><strong>Total to graduate (min. 40 hrs upper division)</strong></td>
<td><strong>120 min</strong></td>
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This sheet applies to the 2012-13 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.

*TO BE COMPLETED WITHIN FIRST 30 COLLEGE-LEVEL CREDIT HOURS*

### Written Communication
- ENG 1010 (3 hrs.) Freshman English: The Essay*
- OR ENG 1008/1009 (6 hrs.) Freshman Comp: The Essay Part I & II*
- ENG 1020 (3 hrs.) Freshman English: Anal., Rsrch. & Docum. (must be completed within 45 credit hours)

### Quantitative Literacy*
- MTH 1110 & 1120 or MTH 1400 or MTH 1410

### Oral Communication*
- ___ (3 hrs.)

### Arts and Humanities
- ___ (3 hrs.)
- ___ (3 hrs.)

### Historical
- ___ (3 hrs.)

### Natural and Physical Sciences
- CHE 1800 (4 hrs.) General Chemistry I
- PHY2311 (4 hrs.) General Physics I & PHY2321 (1 hr.) Gen Phys I Lab
- PHY2331 (4 hrs.) General Physics II & PHY2341 (1 hr.) Gen Phys II Lab

### Social and Behavioral Sciences I
- ___ (3 hrs.)

### Social and Behavioral Sciences II
- ___ (3 hrs.)

### Global Diversity
- ___ (3 hrs.) may be satisfied within General Studies

### MAJOR COURSES (Please see a Faculty Advisor)
- MTR 2400 (4 crh) Introduction to Atmospheric Science
- MTR 2410 (3 crh) Weather Observing Systems
- MTR 3400 (4 crh) Synoptic Meteorology
- MTR 3410 (2 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 4440 (3 crh) Climatology
- MTR 4500 (3 crh) Mesometeorology
- MTR 4600 (3 crh) Senior Research Seminar
- MTR (8 crh) 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 1
- 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

### Multicultural Requirement
- (may be satisfied within General Studies major, minor, or elective)

**ELECTIVES 10**