**Meteorology, B.S.**  
*Department of Earth & Atmospheric Sciences, 303-556-3143, Science 2028  
College of Letters, Arts, and Sciences*  
*Catalog 15-16*

This sheet applies to the 2015-16 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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*TO BE COMPLETED WITHIN FIRST 30 COLLEGE-LEVEL CREDIT HOURS*

**Written Communication**  
___ ENG 1010 (3 hrs.) Composing Arguments*  
___ or ENG 1008/1009 (6 hrs.) Intro to Composition, Parts 1 & 2*  
___ ENG 1020 (3 hrs.) Freshman Comp: Analysis, Research, & Documt.  
(ENG 1020 must be completed within 45 credit hours)

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

**Quantitative Literacy**  
___ MTH 1110 (4 hrs.) College Algebra or higher level math

*NOTE: MTH 1110 & MTH 1120 -OR- MTH 1400 are prereqs for MTH 1410 do **not** take MTH 1112 College Algebra through Modeling

**Arts and Humanities**  
___ (3 hrs.)

**Historical**  
___ (3 hrs.)

**Natural and Physical Sciences**  
*Satisfied by Physics and Chemistry courses*

**Social and Behavioral Sciences I**  
___ (3 hrs.)

**Social and Behavioral Sciences II**  
___ (3 hrs.)

**Global Diversity**  
___ may be satisfied within General Studies

**MAJOR COURSES**  
Please see a Faculty Advisor in the EAS Dept.  
___ MTR 1400 (3 hrs.) Weather and Climate  
___ MTR 2020 (1 hrs.) Weather Climate Lab for Scientists  
___ MTR 2410 (3 hrs.) Weather Observing Systems  
___ MTR 3330 (3 hrs.) Climatology  
___ MTR 3400 (4 hrs.) Synoptic Meteorology  
___ MTR 3410 (3 hrs.) Weather Analysis Techniques  
___ MTR 3430 (3 hrs.) Atmospheric Thermodynamics  
___ MTR 3440 (3 hrs.) Physical Meteorology  
___ MTR 3450 (3 hrs.) Dynamic Meteorology  
___ MTR 4400 (3 hrs.) Advanced Synoptic Meteorology  
___ MTR 4500 (3 hrs.) Mesometeorology  
___ MTR 4600 (3 hrs.) Senior Research Seminar  
___ MTR (8hrs.) Elective Meteorology Courses (See faculty advisor)

**Additional MTR Major Requirements**  
___ CHE 1800 (4 hrs.) General Chemistry I  
___ PHY 2311 (4 hrs.) General Physics I  
___ PHY 2321 (1 hr.) General Physics I Laboratory  
___ PHY 2331 (4 hrs.) General Physics II  
___ PHY 2341 (1 hr.) General Physics II Laboratory

**Required Mathematics Minor**  
___ CS 1050 (4 hrs.) Computer Science 1 OR CSS 1247 (4 hrs.) Introduction to Programming  
___ MTH 1410 (4 hrs.) Calculus I  
___ MTH 2410 (4 hrs.) Calculus II  
___ MTH 2420 (4 hrs.) Calculus III  
___ MTH 3210 (4 hrs.) Probability and Statistics  
___ MTH 3420 (4 hrs.) Differential Equations

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

**ELECTIVES**