

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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|--|----------------|--|
| General Studies | 34 min | |
| Major courses | 42 | Students who have reached junior standing (60 hrs.) should request a CAPP (graduation compliance report) and review it with a faculty advisor. |
| Additional requirements | 10 | |
| Required Mathematics Minor | 24 | |
| Electives | 10 | |
| Total to graduate (min. 40 hrs. upper division) | 120 min | |

*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.)
 ___ (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