

Meteorology, B.S.

303-556-3143 Science 2028

Catalog 12-13

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.

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