Meteorology, B.S.

Department of Earth & Atmospheric Sciences, 303-556-3143, Science 2028

College of Letters, Arts, and Sciences

Catalog 14-15

This sheet applies to the 2014-15 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
Additional requirements	10
Required Mathematics Minor	24
Electives	10
Total to graduate (min. 40 hrs upper division)	**120 min**

Students who have reached junior standing (60 hrs) should request a CAPP (graduation compliance report) and review it with a faculty advisor.

***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

___ 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) 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 hrs) General Physics I Laboratory

___PHY 2331 (4 hrs) General Physics II

___PHY 2341 (1 hrs) General Physics II Laboratory

Required Mathematics Minor

___CSS 1510 (4 hrs) Computer Programming: FORTRAN

OR CS 1050 (4 hrs) Computer Science 1

___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