

# Environmental Science, B.S., Multidisciplinary Concentration

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	36 min
Major courses	80
Electives	4
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 1210 (4 hrs.) Introduction to Statistics

### Arts and Humanities

- \_\_\_ (3 hrs.)
- \_\_\_ (3 hrs.)

### Historical

- \_\_\_ (3 hrs.)

### Natural and Physical Sciences

- \_\_\_ CHE 1800 (4 hrs.) General Chemistry I
- \_\_\_ GEL 1010 (4 hrs.) Physical Geology

### Social and Behavioral Sciences I

- \_\_\_ (3 hrs.) (See catalog)

### Social and Behavioral Sciences II

- \_\_\_ (3 hrs.) (See catalog)

### Global Diversity

- \_\_\_ (3 hrs.) should be satisfied within General Studies

### \_\_\_ **Multicultural Requirement**

Should be satisfied within General Studies or elective

## **MAJOR CORE COURSES (Please see Faculty Advisor in EAS dept.)**

Students must receive a C or better in all courses.

- \_\_\_ ENV 1200 (3 hrs.) Introduction to Environmental Science
- \_\_\_ ENV 4960 (3 hrs.) Global Environmental Challenges
- \_\_\_ BIO 1080 (3 hrs.) General Biology I
- \_\_\_ BIO 1090 (1 hrs.) General Biology Laboratory I
- \_\_\_ BIO 1081 (3 hrs.) General Biology II
- \_\_\_ BIO 1091 (1 hrs.) General Biology Laboratory II
- \_\_\_ CHE 1810 (4 hrs.) General Chemistry II
- \_\_\_ CHE 1850 (2 hrs.) General Chemistry Laboratory
- \_\_\_ CET 3320 (3 hrs.) Environmental Impact Statements
- \_\_\_ MTH 3240 (3 hrs.) Environmental Statistics
- \_\_\_ GEG 1220 (2 hrs.) Map Use
- \_\_\_ GIS 2250 (3 hrs.) Introduction to GIS (CIS 1010 is a prereq for this)
- \_\_\_ MTH 1110 (4 hrs.) College Algebra
- OR** MTH 1112 (4 hrs.) College Algebra through Modeling
- OR** MTH 1400 (4 hrs.) Precalculus Mathematics
- OR** MTH 1410 (4 hrs.) Calculus I

## **CONCENTRATION**

Additional Required Courses

- \_\_\_ CHE 3100 (4 hrs.) Organic Chemistry I
- \_\_\_ MTR 1400 (3 hrs.) Weather and Climate
- \_\_\_ MTR 2020 (1 hr.) Weather and Climate Lab for Scientists

Internship

- \_\_\_ ENV 4950 (variable hrs) Internship in Environmental Science

Senior Experience

- \_\_\_ ENV 4970 - Environmental Field Studies
- OR** BIO 4510 - Microbial Ecology
- OR** CHE 4950 - Senior Experience in Chemistry

Students are required to select courses in Biology (8 hrs), Chemistry (3 hrs), Env Science (9 hrs), Geographic Information Systems (3 hrs), Geology (4 hrs), Social Sciences (3 hrs), and electives from approved catalog list in consultation with an ENV advisor in EAS dept.

## **ELECTIVES**