

# Environmental Science, B.S., Environmental Chemistry Concentration

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

36 min

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

Major courses

79-82

Electives

3-5

Total to graduate (min. 40 hrs upper-division) 120 min

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## \*TO BE COMPLETED WITHIN FIRST 30 COLLEGE-LEVEL CREDIT HOURS MAJOR CORE COURSES (Please see a Faculty Advisor)

### 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 1210 (4 hrs.) Introduction to Statistics

### 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
- \_\_\_ 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.) may be satisfied within General Studies

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
- \_\_\_ 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

### **ENVIRONMENTAL CHEMISTRY CONCENTRATION**

- \_\_\_ BIO 2400 (5 hrs) General Microbiology
- \_\_\_ CHE 3000 (3 hrs) Analytical Chemistry
- \_\_\_ CHE 3010 (2 hrs) Analytical Chemistry Laboratory
- \_\_\_ CHE 3050 (3 hrs) Environmental Chemistry
- \_\_\_ CHE 3100 (4 hrs) Organic Chemistry I
- \_\_\_ CHE 3120 (2 hrs) Organic Chemistry Laboratory I
- \_\_\_ CHE 3110 (3 hrs) Organic Chemistry II
- \_\_\_ CHE 3130 (2 hrs) Organic Chemistry Laboratory II

Students are required to select courses in Biology, Chemistry, Geology, Environmental Science, and elective courses in consultation with an environmental science advisor. Environmental Science and Geology (9 hrs); Social Sciences (3 hrs). See Catalog for approved courses.

### Internship

- \_\_\_ ENV 4950 - Internship in Environmental Science
- OR CHE 4650 - Chemistry Work Experience/Cooperative Education

### Senior Experience Graduation Requirement

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

### \_\_\_ Multicultural Requirement