

Environmental Science, B.S., Environmental Chemistry Concentration

303-556-3143 Science 2028

School of Letters, Arts, and Sciences

Catalog 13-14

This sheet applies to the 2013-14 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	79-82
Electives	3-5
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 MAJOR CORE COURSES (Please see a Faculty Advisor)

Written Communication

- ___ ENG 1010 (3 hrs.) Composing Arguments*
- 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**