

Environmental Science, B.S., Environmental Chemistry 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

Major courses

Electives

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

36 min

79-82

3-5

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

(may be satisfied within General Studies or elective)

ELECTIVES

MAJOR CORE COURSES (Please see a Faculty Advisor in EAS department)

___ 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

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

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

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