Environmental Science, B.S., Environmental Chemistry Concentration
Department of Earth & Atmospheric Sciences, 303-556-3143, Science 2028
College of Letters, Arts, and Sciences

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
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

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