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 2015-16 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

75-83

Electives

0-9

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

120 min

*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)

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
___ 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
___ CHE 3180 (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
___ GIS 1220 (3 hrs.) Introduction to Geospatial Technology
___ GIS 2250 (3 hrs.) Introduction to GIS
___ MTH 1110 (4 hrs.) College Algebra
OR MTH 1112 (4 hrs.) College Algebra through Modeling

ENVIRONMENTAL CHEMISTRY CONCENTRATION

___ BIO 2400 (5 hrs.) General Microbiology
___ CHE 3090 (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.).

Internship

(2-15 hrs.)
___ 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