

Environmental Science, B.S., Environmental Geology 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

36 min
84

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

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—should be met in General Studies**

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

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 (CIS 1010 is a prereq for this)
___ MTH 1110† (4 hrs.) College Algebra **and** MTH 1120 (3hrs) College Trigonometry
OR MTH 1400 (4 hrs.) Precalculus Mathematics
___ MTH 1410 (4 hrs.) Calculus I
†do not take MTH1112 for this concentration since Calculus is required

ENVIRONMENTAL GEOLOGY CONCENTRATION

- ___ GEL 1030 (4 hrs) Historical Geology
___ GEL 3050 (4 hrs) Introduction to Mineralogy and Optical Mineralogy
___ GEL 3060 (4 hrs) Stratigraphy and Structure
___ GEL 3120 (4 hrs) Geomorphology
___ GEL 3150 (3 hrs) Hydrogeology
___ GEL 3420 (4 hrs) Soil Resources
___ GEL 3530 (2 hrs) Advanced Geology of the Colorado Plateau : Variable Topics
___ ENV 4000 (3 hrs) Environmental Geology
___ MTH 2410 (4 hrs) Calculus II
___ PHY 2311 (4 hrs) General Physics I
___ PHY 2321 (1 hrs) General Physics I Laboratory
___ PHY 2331 (4 hrs) General Physics II
___ PHY 2341 (1hrs) General Physics II Laboratory

Internship (Minimum 3 hours internship required)

- ___ ENV 4950 - Internship in Environmental Science
OR GEG 4950 - Internship in Land Use
OR GEL 4950 - Internship in Geology

Senior Experience

- ___ ENV 4970 (3 hrs) Environmental Field Studies

Multicultural Requirement

(may be satisfied within General Studies, major, minor or electives)

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ELECTIVES