

Environmental Science, B.S., Water Mgt. and Hydrologic Science Conc.

Department of Earth & Atmospheric Sciences, 303-556-3143, Science 2028

College of Letters, Arts, and Sciences

Catalog 15-16

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

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

Major courses

84

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 satisfied within General Studies

MAJOR CORE COURSES (Please see Faculty Advisor in EAS dept.)

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 (4 hrs.) Environmental Statistics
___ GIS 1220 (3 hrs.) Introduction to Geospatial Sciences
___ GIS 2250 (3 hrs.) Geographic Information Systems
___ 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

Additional Required Courses

- ___ ENV 2100 (3 hrs.) Basic Water Sampling and Analysis
___ ENV 3400 (3 hrs.) Water Resources
___ ENV 4410 (3 hrs.) Water Law
___ ENV 4440 (3 hrs.) Limnology
___ ENV 4450 (3 hrs.) Stream Ecology
___ ENV 4460 (3 hrs.) Advanced Water Quality Analysis
___ GEL 4150 (4 hrs.) Hydrology (Surface Water)
___ GEL 4250 (4 hrs.) Hydrogeology (Groundwater)

Electives - work with your Environmental Science Advisor in EAS dept.

Select 15 hrs. of approved courses (see catalog)

Internship

- ___ ENV 4950 (2-15 hrs.) Internship in Environmental Science

Senior Experience Graduation Requirement

- ___ ENV 4970 - Environmental Field Studies
OR CHE 4950 - Senior Experience in Chemistry