

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 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 satisfied in 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 (3 hrs.) Environmental Statistics
 GEG 1220 (2 hrs.) Map Use
 GIS 2250 (3 hrs.) Introduction to GIS
 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 - Basic Water Sampling and Analysis
 ENV 3400 - Water Resources
 ENV 4410 - Water Law
 ENV 4440 - Limnology
 ENV 4450 - Stream Ecology
 ENV 4460 - Advanced Water Quality Analysis
 GEL 3150 - Hydrogeology
 GEL 4150 - Hydrology

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

- Environmental Science, Biology, or WQM (Red Rocks Community College) -
Select 15 hrs of approved courses (see catalog)
-Social Sciences - Select 3 hrs of approved courses (see catalog)

Internship

- ENV 4950 (3 hrs.) Internship in Environmental Science

Senior Experience Graduation Requirement

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