

Environmental Science, B.S., Water Quality Concentration

303-556-3143 Science 2028

Catalog 12-13

This sheet applies to the 2012-13 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	83
Electives	1
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 MAJOR CORE COURSES (Please see a Faculty Advisor)**

Written Communication

- ___ ENG 1010 (3 hrs.) Freshman English: The Essay*
or ___ ENG 1008/1009 (6 hrs.) Freshman Comp: The Essay Part I & II*
___ ENG 1020 (3 hrs.) Freshman English: Anal., Rsrch. & Docum.
(must be completed within 45 credit hours)

Quantitative Literacy*

- ___ MTH 1210 (4 hrs.) Introduction to Statistics

Oral Communication*

- ___ (3 hrs.)

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.) may be satisfied within General Studies

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

WATER QUALITY CONCENTRATION

Additional Required Courses

- ___ CHE 3050 - Environmental Chemistry
___ CHE 3100 - Organic Chemistry I
___ CHE 3110 - Organic Chemistry II
___ GEL 3150 - Hydrogeology
___ GEL 4150 - Hydrology

Red Rocks Community College Required Courses

- ___ WQM 100 (3 hrs) Introduction to Water Quality Management
___ WQM 119 (4 hrs) Basic Water Quality Analysis
___ WQM 121 (3 hrs) Environmental Sampling and Volume Measurement
___ WQM 216 (4 hrs) Biological and Bacteriological Water Quality Analysis

Environmental Science - Select 9 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

___ Multicultural Requirement