Environmental Geosciences

Bachelor of Science

Semester 1

Course	Credits	Grade	✔
ENGL 101: Composition & Rhetoric I	3	C*	☐
GEO 101: Earth Processes, Resources, & the Environment *or* GEO 140: Geology and Environmental Issues in Appalachia	3-4	C	☐
MATH 103: College Algebra or MATH 107: Precalculus or MATH 105: Statistics	3-4	C	☐
GEO 100: Humans and the Environment ***or*** General Education Course	3		☐
General Education Course	2-3		☐
UNIV 100: CU Foundations	1		☐

15-18

Semester 2

Course	Credits	Grade	✔
ENGL 102: Composition & Rhetoric II	3	C*	☐
GEO 200: Digital Earth (Recommended)	3		☐
GEO 205: Environmental & Applied Geology ***or*** Elective	3-4		☐
MATH 104: College Trigonometry (If took MATH 107, take an Elective)	3		☐
General Education Course	3		☐

15-16

Semester 3

Course	Credits	Grade	✔
CHEM 101/111: Principles of Chemistry I with Lab	4		☐
GEO 312: Climatology ***or*** GEOL 315: Biogeography and Environmental Change	4		☐
General Education Course	3		☐
Elective/Minor	3		☐

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Semester 4

Course	Credits	Grade	✔
CHEM 102/112: Principles of Chemistry II with Lab	4		☐
GEO 311: Geographic Information Systems	4		☐
GEO 365: Earth Materials and Mineral Resources	3		☐
Elective/Minor	3-4		☐

14-15

The **Bachelor of Science in Environmental Geosciences** degree is a career-oriented, flexible major that merges traditional geology with applied environmental science. As outlined by the American Geosciences Institute, geoscientists explore, study, and monitor the Earth to protect it and the people who live on it.

MILESTONE COURSES

Courses marked as Milestone Courses are crucial for staying on track to complete your degree in four years. Take them in the recommended semester to stay on track! If you see a recommended minimum grade, this is the grade you need to earn to have the best chance for success in this degree! Grades marked with an asterisk are required to pass.

LANDMARKS

Points where you see a landmark icon on the four-year plan indicate you have reached a point of action outside regular coursework! See the Helpful Hints for information on each landmark.

Helpful Hints

- Use this plan in consultation with your Academic Advisor. Class availability is largely dependent on demand, and courses may not be offered when recommended.
- Indicated 200-level and 300-level GEO classes may be taken inter-changeably with courses of the same level.
- Semesters 5 & 6—See the Academic Catalog for a list of courses that satisfy the Math/Science Cognate electives. Choosing the electives that match your professional goals is important, so consult with your advisor about which electives are right for you.
- The Environmental Geoscience degree is flexible. With course substitutions available (see the Academic Catalog), you may be able to finish a double major in another STEM field or a non-science discipline. Consult with your academic advisor.

Environmental Geosciences, B.S.

15toFinish

Semester 5

Course	Credits	Grade	✔
PHSC 219: Lab Research Methods and Ethics	1		☐
GEO 311: GIS or GEO 312: Stratigraphy & Earth History	3		☐
General Education Course	3		☐
Supporting Course Elective	4		☐
General Education Course	3		☐

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Semester 6

Course	Credits	Grade	✔
GEO 365: Earth Materials & Mineral Resources or GEO 305: Environmental Geology & Hydrology	4		☐
GEO 404: Field Methods or elective	3		☐
GEO 411: Remote Sensing Applications	3		☐
Electives	6		

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Semester 7

Course	Credits	Grade	✔
Earth & Environmental Science Core Elective	4		☐
General Education Course	3		☐
Electives/Minor	10-12		☐

17-19

Semester 8

Course	Credits	Grade	✔
GEO 365: Earth Materials & Mineral Resources or GEO 305: Environmental Geology & Hydrology	4		☐
General Education Course	3		☐
Electives/Minor	6-7		☐

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ADVISING

When you choose to pursue this degree, you will be assigned an advisor who is an expert in the field of Environmental Geoscience. This advisor can help you with course selection, career planning, resume building, and help you with tracking your path to degree completion.

CAREERS

With a degree in Environmental Geosciences, you will be trained for careers such as: Geologist; Environmental Scientist; Field Geologist; Research Scientist; Oceanographer; Climate Scientist; Water Resource Specialist; Petroleum Geologist; Mining Geologist; Environmental Compliance Officer; Geographic Information Systems Analyst.

STUDENT ORGANIZATIONS

Geology Club
Sigma Gamma Epsilon Honor Society

COMPLEMENTARY MINORS

Geosciences pair well with most of the minors offered at CU. There are several elective hours in this degree—consult with your advisor to see what minor fits your goals.

Helpful Hints

- Some things to consider and discuss with your advisor:
  - Off campus summer experiences
  - Internships after Semester 4 and 6.
  - Research with CU faculty after Semester 4.
  - GRE (for grad school) after Semester 6.
  - Apply to grad schools December of Semester 7.

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