

# FOUR-YEAR PLAN

Environmental Geosciences, B.S. E.G.

15 to Finish



## Semester 1

Course	Credits	Grade	✓
ENGL 101: Composition & Rhetoric I	3	C*	<input type="checkbox"/>
GEOL 101: Earth Processes, Resources, & the Environment	4	C	<input type="checkbox"/>
MATH 103: College Algebra	3	C	<input type="checkbox"/>
PHYS 105: Introductory Astronomy (Elective)	4		<input type="checkbox"/>
UNIV 100: CU Foundations	1		<input type="checkbox"/>
	15		

## Semester 2

Course	Credits	Grade	✓
ENGL 102: Composition & Rhetoric II	3	C*	<input type="checkbox"/>
General Education Course	2-3		<input type="checkbox"/>
CHEM 101/111: General Chemistry I with Lab	4		<input type="checkbox"/>
GEOL 205: Environmental & Applied Geology	4		<input type="checkbox"/>
MATH 104: College Trigonometry	3		<input type="checkbox"/>
	16-17		

## Semester 3

Course	Credits	Grade	✓
General Education Course	3		<input type="checkbox"/>
CHEM 102/112: General Chemistry II with Lab	4		<input type="checkbox"/>
GEOL 202: Evolution of Earth Systems	4		<input type="checkbox"/>
MATH Elective	4		<input type="checkbox"/>
	15		

## Semester 4

Course	Credits	Grade	✓
General Education Course	3		<input type="checkbox"/>
General Education Course	3		<input type="checkbox"/>
GEOL 369: Earth Materials and Minerals	4		<input type="checkbox"/>
PHYS 201: University Physics with Calculus, Part 1	4		<input type="checkbox"/>
MATH or CS Elective	3		<input type="checkbox"/>
	17		



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.
- All Environmental Geoscience majors must choose an emphasis (Physical Sciences emphasis recommended and shown here); discuss with your advisor.
- 200-level and 300-level GEOL classes may be taken inter-changeably with courses of the same level.
- Semester 1—PHYS 105 is recommended as an elective, however, you may choose CHEM 100 or 101/111 in this semester.
- Semester 3 & 4—MATH 105 and 253 are the recommended Math Electives. You may also choose any CS course 151 or higher.

## Semester 5

Course	Credits	Grade	✓
General Education Course	3		<input type="checkbox"/>
General Education Course	3		<input type="checkbox"/>
CHEM 219: Lab Research Methods (Elective)	1		<input type="checkbox"/>
GEOL 385: Structural Geology	4		<input type="checkbox"/>
PHYS 202: University Physics with Calculus, Part II	4		<input type="checkbox"/>
Elective/Minor	3		<input type="checkbox"/>
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## Semester 6

Course	Credits	Grade	✓
General Education Course	3		<input type="checkbox"/>
GEOL 375: Petrology	4		<input type="checkbox"/>
Elective/Minor	3		<input type="checkbox"/>
Elective/Minor	3		<input type="checkbox"/>
Elective/Minor	3		<input type="checkbox"/>
<b>16</b>			

## Summer Session

Course	Credits	Grade	✓
GEOL 404: Field Geology I	3		<input type="checkbox"/>
GEOL 405: Field Geology II	3		<input type="checkbox"/>
<b>6</b>			

## Semester 7

Course	Credits	Grade	✓
General Education Course	3		<input type="checkbox"/>
GEOL 380: Sedimentary Geology	3		<input type="checkbox"/>
Elective/Minor	3		<input type="checkbox"/>
Elective/Minor	3		<input type="checkbox"/>
Elective/Minor	3		<input type="checkbox"/>
Elective/Minor	2		<input type="checkbox"/>
<b>17</b>			



### 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 Scientist; Petroleum Geologist; Mining Geologist; Environmental Compliance Officer.

### STUDENT ORGANIZATIONS

Geology Club  
SGE Honor Society (Sigma Gamma Epsilon)

### 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.
- Summer Session Landmark—Geoscience majors take a 5-week summer field course in the Rocky Mountains of Colorado. Ideally this falls between Semester 6 and 7. However, discuss with your advisor where this will fit into your degree plan.
- Because of the required Summer Field experience courses, it is ideal to complete this degree in 7 semesters to avoid Financial Aid problems in Semester 8. For additional details, or to make a plan spanning 8 semesters,