



Geology AS-T Degree

FULL TIME

This program roadmap represents one possible pathway to complete the program. **Please see a counselor** to create an education plan that is customized to meet your needs. This roadmap is not a guarantee of course availability or financial aid applicability.

Catalog: 2024-25

GE Pattern: IGETC

Total Units: 60

First Year

Semester 1

15 Units

CAT.	COURSE	TITLE	UNIT	GE AREA
Req	GEOL 300	Physical Geology	3	5A
Req	GEOL 301	Physical Geology Laboratory	1	5C
Req	MATH 400	Calculus I	5	2
GE	ENGWR 300 / 480 ^H	College Composition	3	1A
GE		any Area 3B (Humanities) course	3	3B

Semester 2

14 Units

CAT.	COURSE	TITLE	UNIT	GE AREA
Req	MATH 401	Calculus II	5	
GE		any Area 1B (Critical Thinking) course	3	1B
GE		any Area 3A (Arts) course	3	3A
GE		any Area 4 (Social & Behavioral Sciences) course	3	4

Second Year

Semester 3

15 Units

CAT.	COURSE	TITLE	UNIT	GE AREA
Req	GEOL 310	Historical Geology	3	
Req	GEOL 311	Historical Geology Laboratory	1	
Req	CHEM 400	General Chemistry I	5	
GE		any Area 1C (Oral Communication) course	3	1C
GE		any Area 3A (Arts) or Area 3B (Humanities) course	3	3A or 3B

Semester 4

16 Units

CAT.	COURSE	TITLE	UNIT	GE AREA
Req	CHEM 401	General Chemistry II	5	
GE		any Area 4 (Social & Behavioral Sciences) course	3	4
GE		any Area 7 (Ethnic Studies) course	3	7
GE		any Area 5B (Life Sciences) course	3	5B
Elec		any elective course numbered 300-499	2	

TRANSFER PATH

Potential Transfer Majors:

- Geology B.A. or B.S.
- Earth Science B.A.

Potential Career/Options After Completing a Bachelor's Degree:

Career opportunities include:

- geologist
- geophysicist
- groundwater geologist
- oil and gas geologist
- mineralogist
- paleontologist
- marine geologist
- environmental geologist
- photogeologist
- seismologist
- consulting geologist
- soils engineer
- land use planner
- volcanologist
- astrogeologist
- geochemist
- economic geologist
- mining geologist
- hydrogeologist
- government geologist
- coal geologist

EXPLANATION OF CATEGORIES

Req	Required Core	A course that is required for this program
GE	General Education	A course that fulfills a specific general education requirement for a degree, which can be replaced with another course that meets the same requirement
Elec	Degree Elective	A degree-applicable course that is part of a degree roadmap to ensure that there is a total of at least 60 units, which is a requirement for an associate degree

- glacial geologist
- vertebrate paleontologist
- geology professor
- earth science teacher

Advising Notes:

- Students can substitute ESLW 340 for ENGWR 300/480.
- This map starts with MATH 400 and CHEM 400, which have prerequisites. Please [see a counselor](#) to add in prerequisite courses, if needed.

Scheduling Notes:

- GEOL 310 and 311 are offered in the fall.

Other Notes to Students Preparing to Transfer:

- See [ASSIST.ORG](#) for the transfer requirements of the institution to which you plan to transfer.
- The UC system requires proficiency in a language other than English equivalent to two years of high school study. [See a counselor](#) about fulfilling this requirement.

Honors Courses (H):

Students with a cumulative GPA of 3.2 or better who complete 15 or more units of Honors coursework earn an [Honors](#) Transfer Certificate and can take advantage of honors-to-honors transfer agreements with highly selective colleges and universities, both public and private.