

SCIENCE, MATH & ENGINEERING PATHWAY PROGRAM MAP: CATALOG YEAR: 2022-23

Geology: Associate in Science for Transfer UC

Everything you have, every place you go, everything you do, and everything you touch is influenced completely and entirely by Geology. From the materials that your car is made from and the gasoline that propels it, to the synthetic fibers you are wearing – everything comes from the Earth. Geology (Geo meaning Earth, and ology meaning study of) takes a close look at the surface of the Earth and its interior.

Please see a Pathways Counselor: Create an education plan customized to meet your needs. [Contact a Counselor](#)

Transfer Majors/Award Focus

- Geology, A.S.-T CSUSB, UC

GE Pattern/Units

- GE Pattern: Option C
- Total Units: 74



Program maps indicate the major coursework and recommended general education courses to fulfill your degree in 2 years (approximately 15 units/semester or 30 units/year). If you are a part-time student, start Semester 1 courses and follow the course sequence. Some of the courses listed may be substituted by another course. Please view these options in the official course [catalog](#).

Semester 1

15 Units

✓	COURSE	TITLE	UNIT
<input type="checkbox"/>	ENGL-101	College Composition	4
<input type="checkbox"/>	MATH-211	Analytic Geometry and Calculus I	4
<input type="checkbox"/>	GEOL-100	Physical Geology	4
<input type="checkbox"/>	ART-100	Art Appreciation	3

Semester 2

15 Units

✓	COURSE	TITLE	UNIT
<input type="checkbox"/>	ENGL-103	Critical Thinking and Writing	3
<input type="checkbox"/>	MATH-212	Analytic Geometry and Calculus II	4
<input type="checkbox"/>	CHEM-101	General Chemistry I	5
<input type="checkbox"/>	HIST-111	U.S. History to 1877	3

Career Options

Geophysical Data Technicians (B, M)
Geological Sample Test Technicians (B, M)
Geoscientists (B, M, D)
Hydrologists (B, M)

Find more careers: msjc.emsicc.com

Required Education: SM: some college; C: Certificate; A: Associate,
B: Bachelor's, M: Master's; D: Doctorate



Financial Aid

Financial aid is determined by the number of credit hours you take in a semester. Maximize your financial aid by taking 12-15 units per semester.

Semester 3**15 Units**

✓	COURSE	TITLE	UNIT
<input type="checkbox"/>	CHEM-102	General Chemistry II	5
<input type="checkbox"/>	ART-100	Art Appreciation	3
<input type="checkbox"/>	GEOL-105	Historical Geology	4
<input type="checkbox"/>	HIST-112	U.S. History Since 1865	3

Semester 4**14 Units**

✓	COURSE	TITLE	UNIT
<input type="checkbox"/>	BIOL-150	General Biology I	4
<input type="checkbox"/>	COMM-100	Public Speaking	3
<input type="checkbox"/>	PHY-201	Mechanics and Wave Motion	4
<input type="checkbox"/>	PHIL-101	Introduction to Philosophy I	3

Semester 5**15 Units**

✓	COURSE	TITLE	UNIT
<input type="checkbox"/>	PS-101	Introduction to American Government and Politics	3
<input type="checkbox"/>	PHY-202	Electricity and Magnetism	4
<input type="checkbox"/>	PHY-203	Optics and Modern Physics	4
<input type="checkbox"/>	SPAN-101 or FREN-101 or ASL-100	Elementary Spanish I or Elementary French I or American Sign Language I	4

Notes:

Recommended: Students should take courses the summer before the Fall start of the semester.

Language Requirement: For students who did not meet the LOTE requirement in high school, they may fulfill Area 6 by demonstrating proficiency by completing ASL-100 American Sign Language I, FREN-101 Elementary French I or SPAN-101 Elementary Spanish I with a grade C or better. Languages other than English for Native Speakers are also acceptable for meeting this requirement.

Work Experience

Sign up for a special project or internship opportunity. Gain [work experience](#) and earn credits.