

SCIENCE, MATH & ENGINEERING PATHWAY PROGRAM MAP: CATALOG YEAR: 2023-24



Geology: Associate in Science for Transfer CSUSB

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: Transfer degrees require a minimum of 60 semester CSU transferable units or UC semester transferable units with a minimum 2.0 GPA overall. [Contact a Counselor](#) to create an education plan customized to meet your needs.

Transfer Majors/Award Focus

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


GE Pattern/Units

- GE Pattern: Option B
- Total Units: 65

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"/> COMM-100 | Public Speaking | 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"/> PS-101 | Introduction to American Government and Politics | 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.


Summer**6 Units**

|  COURSE | TITLE | UNIT |
|--|--|------|
| <input type="checkbox"/> HIST-111 or HIST-112 | U.S. History to 1877 or U.S. History Since 1865 | 3 |
| <input type="checkbox"/> PS-103/ETHS-103, HIST-160/ETHS-160, LIT-275/ETHS-275, or LIT-280/ETHS-280 | Ethnic Politics in America or Black History in the American Context or Latinx/Chicanx Literature or Multiethnic Literature | 3 |

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"/> PSYC-101 | Introduction to Psychology | 3 |

Semester 4**14 Units**

|  COURSE | TITLE | UNIT |
|--|------------------------------|------|
| <input type="checkbox"/> BIOL-150 | General Biology I | 4 |
| <input type="checkbox"/> PHY-201 | Mechanics and Wave Motion | 4 |
| <input type="checkbox"/> PHIL-101 | Introduction to Philosophy I | 3 |
| <input type="checkbox"/> ART-104 | World Art | 3 |

Notes:

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

Work Experience

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