***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:*** Create an education plan customized to meet your needs. [Contact a Counselor](https://www.msjc.edu/hub/)

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](https://catalog.msjc.edu/instructional-programs/).

***Semester 1 15 Units***

|  |  |  |  |
| --- | --- | --- | --- |
| ✔ | COURSE | TITLE | UNIT |
| ⬜ | ENGL-101 | College Composition | 4 |
| ⬜ | MATH-211 | Analytic Geometry and Calculus I | 4 |
| ⬜ | GEOL-100 | Physical Geology | 4 |
| ⬜ | COMM-100 | Public Speaking | 3 |

***Semester 2 15 Units***

|  |  |  |  |
| --- | --- | --- | --- |
| ✔ | COURSE | TITLE | UNIT |
| ⬜ | ENGL-103 | Critical Thinking and Writing | 3 |
| ⬜ | MATH-212 | Analytic Geometry and Calculus II | 4 |
| ⬜ | CHEM-101 | General Chemistry I | 5 |
| ⬜ | 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](http://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 |
| ⬜ | CHEM-102 | General Chemistry II | 5 |
| ⬜ | ART-100 | Art Appreciation | 3 |
| ⬜ | GEOL-105 | Historical Geology | 4 |
| ⬜ | PSYC-101 | Introduction to Psychology | 3 |

***Semester 4 14 Units***

|  |  |  |  |
| --- | --- | --- | --- |
| ✔ | COURSE | TITLE | UNIT |
| ⬜ | BIOL-150 | General Biology I | 4 |
| ⬜ | PHY-201 | Mechanics and Wave Motion | 4 |
| ⬜ | PHIL-101 | Introduction to Philosophy I | 3 |
| ⬜ | ART-104 | World Art | 3 |

***Semester5 6 Units***

|  |  |  |  |
| --- | --- | --- | --- |
| ✔ | COURSE | TITLE | UNIT |
| ⬜ | HIST-111 or  HIST-112 | U.S. History to 1877 or  U.S. History Since 1865 | 3 |
| ⬜ | PS-103 or  HIST-160 or  LIT-275 or  LIT-280 | Ethnic Politics in America or  Black History in the American Context or  Latinx/Chicanx Literature or  Multiethnic Literature | 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](https://msjc.edu/careereducation/cwee/index.html) and earn credits.