

**Program:** Geology - Associate in Science for Transfer (AS-T) Degree

**Meta-major:** Science, Technology, Engineering, & Math (STEM)



| Summer Bridge (if needed)  | Fall Year 1   | Winter Year 1   | Spring Year 1  | Summer Year 1   | Fall Year 2  | Winter Year 2   | Spring Year 2  |
|--|---|---|--|---|--|---|--|
| <b>MATH 260 PRECALCULUS</b><br><i>Prerequisite: MATH 240 or MATH 258 or Placement by multiple measures</i><br><b>5 units</b>                         | <b>GEOL 001 PHYSICAL GEOLOGY</b><br><i>Also fulfills Area B1: Physical Science requirement</i><br><b>3 units</b>  | To reduce units in primary terms, it is suggested to take a GE course (3 units) | <b>GEOL 002 EARTH HISTORY</b><br><b>3 units</b>                                | To reduce units in primary terms, it is suggested to take a GE course (3 units) | <b>CHEM 101 GENERAL CHEMISTRY I</b><br><i>Prerequisite: High school Chemistry or CHEM 060 and MATH 125</i><br><i>Advisories: ENGLISH 028 and ENGLISH 067</i><br><b>5 units</b> | To reduce units in primary terms, it is suggested to take a GE course (3 units) | <b>CHEM 102 GENERAL CHEMISTRY II</b><br><i>Prerequisite: CHEM 101; Advisories: ENGLISH 028 and ENGLISH 067, or ENGLISH 031</i><br><b>5 units</b> |
| <b>CHEM 060 INTRO TO CHEMISTRY</b><br><i>Prerequisite: MATH 115</i><br><i>Advisories: ENGLISH 028 and ENGLISH 067 and MATH 125</i><br><b>5 units</b> | <b>GEOL 006 PHYSICAL GEOLOGY LABORATORY</b><br><i>Also fulfills Area B3: Laboratory requirement</i><br><b>1 unit</b>  |   | <b>GEOL 007 EARTH HISTORY LABORATORY</b><br><b>1 unit</b>                      |   | <b>*Area D: Social Sciences #1</b><br><b>Suggested: GEOG 002 CULTURAL ELEMENTS OF GEOGRAPHY</b><br><b>3 units</b>  |   | <b>*Area B2: Life Science</b><br><b>Suggested: ANTHRO 101 HUMAN BIOLOGICAL EVOLUTION</b><br><b>3 units</b>                                       |
|  | <b>MATH 261 CALCULUS I</b><br><i>Prerequisite: MATH 260</i><br><i>Also fulfills Area B4: Mathematics/Quantitative Reasoning requirement</i><br><b>5 units</b>   |   | <b>MATH 262 CALCULUS II</b><br><i>Prerequisite: MATH 261</i><br><b>5 units</b> |   | <b>*Area C1: Arts</b><br><b>Choose any</b><br><b>3 units</b>   |   | <b>*Area D: Social Sciences #3</b><br><b>Suggested: Group 1 or 2 American Institutions</b><br><b>3 units</b>                                     |
|  | <b>Area A2: Written Communication</b><br><b>ENGLISH 101 COLLEGE READING AND COMPOSITION I</b><br><i>Prerequisite: ENGLISH 028 or ESL 008 or Placement by multiple measures;</i><br><i>Advisory: ENGLISH 108</i><br><b>3 units</b> |   | <b>*Area C2: Humanities</b><br><b>Choose any</b><br><b>3 - 5 units</b>         |   | <b>*Area C1: Arts or C2: Humanities</b><br><b>Choose any</b><br><b>3 - 5 units</b>   |   | <b>*Area D: Social Sciences #2</b><br><b>Suggested: Group 1 or 2 American Institutions</b><br><b>3 units</b>                                     |
|  | <b>*Area A1: Oral Communication</b><br><b>COMM 101 PUBLIC SPEAKING</b> ( <i>Advisory: ENGLISH 101</i> )<br>or<br><b>COMM 121 INTERPERSONAL COMMUNICATION</b><br><b>3 units</b>  |   | <b>*Area A3: Critical Thinking</b><br><b>Choose any</b><br><b>3 units</b>      |   | <b>*Area E: Lifelong Learning and Self Development</b><br><b>3 units total</b>   |   |  |

**Semester Units:** 15

15 to 17

17 to 19

14

\*For the complete list of CSU GE Breadth requirements, see the LACC Catalog, p.76. Area A2: Written Communication (English 101) and Area B4: Mathematics/Quantitative Reasoning should be taken within the first year. All other GE courses can be taken in any semester. If appropriate, English and Math can be taken in the same semester.

Students who feel they need additional support in order to be successful in English and math should see a counselor for information about support courses, tutoring services, and boot camps.

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| <b>Major Units:</b>                                    | <b>28</b><br><b>(9 units also fulfill GE requirements)</b> |
| <b>General Education (GE) Units (39 unit minimum):</b> | <b>42 to 45</b>  |
| <b>Total Units (60 unit minimum):</b>                  | <b>61 to 64</b>  |