

| Degree: Geology, B.A.: Geoscience Education Concentration 22-23 |                 |  |  |       |
|---|-----------------|--|--|-------|
| Requirement Area  | Course          | Course Title                           | Prerequisites  | Units |
| <b>First Semester (FALL)</b>                                    |                 |  |  |       |
| E   | GS 101A         | Foundations of Success I               |  | 1     |
| A1  | COMM 100        | Communication                          |  | 3     |
|   |                 |  | Satisfactory score of 78 or higher on Math Proficiency Assessment or MATH 120. |       |
| B1/B3   | PHYS 125        | General Physics I                      |  | 4     |
| LD Major  | GEOL 210        | Physical and Environmental Geology     |  | 4     |
| B4  | MATH 120        | Precalculus                            |  | 3     |
|   |                 | <b>Total:</b>                          |  | 15    |
| <b>Second Semester (SPRING)</b>                                 |                 |  |  |       |
| E   | GS 101B         | Foundations of Success II              |  | 1     |
| A2  | ENGL 102        |  |  | 3     |
| C2  |                 |  |  | 3     |
| LD Major  | GEOL 211        | Historical Geology                     |  | 4     |
| LD Major  | PHYS 126        | General Physics II                     | PHYS 125   | 4     |
|   |                 | <b>Total:</b>                          |  | 15    |
| <b>Third Semester (FALL)</b>                                    |                 |  |  |       |
| E   |                 |  |  | 1     |
| A3  | PHIL 100        | Workshop in Critical Thinking          |  | 3     |
| B2  |                 |  |  | 3     |
| C1  |                 |  |  | 3     |
| LD Major  | CHEM 111        | General Chemistry I                    |  | 3     |
| LD Major  | CHEM 111L       | General Chemistry Lab I                |  | 2     |
|   |                 | <b>Total:</b>                          |  | 15    |
| <b>Fourth Semester (SPRING)</b>                                 |                 |  |  |       |
| Second Composition  |                 |  |  | 3     |
| D1/Code 1   |                 |  |  | 3     |
| Add'l C1 or C2*   |                 |  |  | 3     |
| LD Major  | CHEM 112        | General Chemistry II                   |  | 5     |
| LD Major  | GEOL 297        | Introductory Field Course              |  | 1     |
|   |                 | <b>Total:</b>                          |  | 15    |
| <b>Fifth Semester (FALL)</b>                                    |                 |  |  |       |
| F   |                 | Ethnic Studies                         |  | 3     |
| D2  |                 |  |  | 3     |
| UD Major  | GEOL 360        | Mineralogy and Optical Crystallography | CHEM 112 and GEOL 210.   | 4     |
| UD Major  | SCI 308         | HOST Lab                               | Department consent.  | 1     |
| LD Major  | GEOL 260        | Introduction to GIS                    |  | 3     |
|   |                 | <b>Total:</b>                          |  | 14    |
| <b>Sixth Semester (SPRING)</b>                                  |                 |  |  |       |
| UD-D/Overlay  |                 |  |  | 4     |
| UD Major  | GEOL 361        | Ig Met Petrology                       | GEOL 360.  | 4     |
| UD Major  | GEOL 371        | Sedimentary Geology and Stratigraphy   | GEOL 361.  | 4     |
| UD Major  | GEOL 397A, B, C | Upper division field course 1          |  | 2     |
|   |                 | <b>Total:</b>                          |  | 14    |
| <b>Seventh Semester (FALL)</b>                                  |                 |  |  |       |
| UD-C/Overlay  |                 |  |  | 3     |
| UD Major  | GEOL 381        | Structural Geology                     | GEOL 360.  | 5     |
| UD-B/Overlay  |                 |  |  | 3     |
| UD Major  | GEOL 342        | Planetary Geology                      | GEOL 210.  | 3     |
| elective  |                 |  |  | 2     |
|   |                 | <b>Total:</b>                          |  | 16    |
| <b>Eighth Semester (SPRING)</b>                                 |                 |  |  |       |
| Code 2  |                 |  |  | 3     |
| UD Major  | GEOL 343        | Atmospheric Science                    |  | 3     |
| UD Major  | GEOL 341        | General Oceanography                   | GEOL 210.  | 4     |
| UD Major  | GEOL 499        | Seminar in Geology                     | Junior or senior standing.   | 3     |
| elective  |                 |  |  | 3     |
|   |                 | <b>Total:</b>                          |  | 16    |
| <b>Total Units:</b>   |                 |  |  | 120   |

Note: No changes to, or from, the credit/no credit pattern are permitted after the Grade Type Change period. There are no exceptions to this rule. Courses in a student's major department, regardless of course prefix, may not be taken "CR/NC," unless that is the only grading pattern in the course.

| CSUEB General Breadth and Graduation Requirement Checklist   |  |
|--|--|
| <b>Area A (9 units): Communication in the English Language &amp; Critical Thinking (Must earn passing grade of C-/CR or better)</b>  |  |
| <input type="checkbox"/> A1. COMM 100 or 104, MLL 111  |  |
| <input type="checkbox"/> A2. ENGL 101, 102, or 104   |  |
| <input type="checkbox"/> A3. PHIL 100  |  |
| <b>Area B (9 units) : Scientific Inquiry &amp; Quantitative Reasoning</b>  |  |
| <input type="checkbox"/> B1. Physical Science  |  |
| <input type="checkbox"/> B2. Life Science  |  |
| <input type="checkbox"/> B3. Laboratory Activity   |  |
| <input type="checkbox"/> B4. Quantitative Reasoning (Must earn passing grade of C-/CR or better.)  |  |
| <b>Area C (9 units): Arts &amp; Humanities - Minimum of three different disciplines as designated by course prefix (e.g., ART, THEA, MUS)</b>  |  |
| <input type="checkbox"/> C1. Arts  |  |
| <input type="checkbox"/> C2. Humanities  |  |
| <input type="checkbox"/> *Additional Lower-division Area C Course in Arts (C1) or Humanities (C2)  |  |
| <b>Area D (6 units) : Social Sciences - Minimum of three different disciplines as designated by course prefix (e.g., ANTH, ECON, POSC)</b>   |  |
| <input type="checkbox"/> D1.   |  |
| <input type="checkbox"/> D2.   |  |
| <b>Area E (3 units) : Lifelong Learning and Self-Development</b>   |  |
| <input type="checkbox"/> E.  |  |
| <b>Area F (3 units): Ethnic Studies</b>  |  |
| <input type="checkbox"/> F.  |  |
| <b>Second Composition : Requires completion of GE A2 with a C-/CR or better. Must be completed before attaining junior standing.</b>   |  |
| <input type="checkbox"/> Second Composition  |  |
| <b>U.S. Code (American Institutions Requirement) - Two courses (6 units) covering three U.S. Code Requirements of US-1 (U.S. History), US-2 (U.S. Constitution), and US-3 (California State &amp; Local Government).</b> |  |
| <input type="checkbox"/> Code 1.   |  |
| <input type="checkbox"/> Code 2.   |  |
| <b>Upper Division GE Requirements (9 units): Should be taken after completion of A1, A2, A3, and B4 with a C- (CR)</b>   |  |
| <input type="checkbox"/> UD-B. Upper-division Science Inquiry and Quantitative Reasoning   |  |
| <input type="checkbox"/> UD-C. Upper-division Arts OR Humanities   |  |
| <input type="checkbox"/> UD-D. Upper-division Social Sciences  |  |
| <b>Overlay Requirements (9 units): Courses may be upper or lower division, and GE or major</b>   |  |
| <input type="checkbox"/> Diversity (Div)   |  |
| <input type="checkbox"/> Social Justice (SJ)   |  |
| <input type="checkbox"/> Sustainability (S)  |  |

\*Students are required to take a minimum of 40 semester units as upper division (includes 9 units upper division GE)