Geological Sciences (with Concentration in Environmental Geoscience)

☐ **CMW Written Communication (Grade of C or higher required)**
  - [ ] ENGL-101  
  - [ ] ENGL-102  (also fills INF Overlay when taken here)

☐ **ARP Analytical Reasoning & Problem Solving**
  - [ ] MATH 122 Business Calculus or MATH 141 Calculus I  
  - [ ] MATH 170 Finite Mathematics or MATH 142 Calculus II  
  - [ ] STAT 201, 509 or 515  
  - [ ] CSCE 102 (or higher)

☐ **SCI Scientific Literacy**
  - [ ] PHYS 201/201L: General Physics I or 211/211L: Essentials of Physics I  
  - [ ] CHEM 111/L: General Chemistry I  
  - Select 2 of the following:
    - [ ] PHYS 202/202L: General Physics II or 212/212L: Essentials of Physics II  
    - [ ] CHEM 112/L: General Chemistry II  
    - [ ] BIOL 101 and BIOL 101L  
    - [ ] BIOL 102 and BIOL 102L

**Global Citizenship & Multicultural Understanding**

☐ **GFL Communicating Effectively In More Than One Language**
  - Foreign Language thru 122 level (0-9 credits)  
  - (may include language 109, 110 (or 121) and 122)

☐ **GHS Historical Thinking**
  - [ ] History: HIST 100-level US  
  - [ ] History: HIST 100-level non US

☐ **GSS Social Sciences**
  - Select 2 courses (6 credits); at least one must be from:
    - AFAM 201; ANTH 101, 102, 204, 205, 210, 211; COLA 298; CRJU 101; GEOG 103, 121, 210, 221, 223-226, 228; LASP 331; LING 101; POLI 101, 201; PSYC 101; SOCY 101; WGST 112, 113, 210

☐ **AIU Aesthetic & Interpretive Understanding**
  - Select 2 courses (6 credits) from Fine Arts, Literature, or Humanities; at least one must be:
    - ARTE 101, 260; ARTH 105, 106; ARTS 103, 104; CLAS 220; CPLT 150, 270; DANC 101; ENGL 270, 282-288; FILM 110, 180, 240; FREN 290; GERM 290; MART 110, 210; MUSC 110, 113-115, 140; RUSS 280; SOST 101; SPAN 220; THEA 170, 181, 200

(over)
### Overlay

- **A. CMS Persuasive Communication**
  
  PHIL 325; SAEL 200; SPCH 140 or other approved CC-CMS

- **B. INF Information Literacy**
  
  ENGL 102 (recommended); or LIBR 101, SLIS 202, STAT 112

- **C. VSR Values, Ethics & Social Responsibility**
  
  BIOL 208; CPLT 150; CSCE 390; HIST 108; LING 240; PHIL 103, 211, 320-322, 325; POLI 201, 302-304; RELG 205; SAEL 200; WGST 112 or other approved CC-VSR

### Geological Sciences Degree Requirements: Major Requirements

<table>
<thead>
<tr>
<th>Geology Courses (Pass with C or higher)</th>
<th>Credits</th>
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<tbody>
<tr>
<td>GEOL 101, 103 or 201</td>
<td>4</td>
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<tr>
<td>GEOL 302: Rocks and Minerals</td>
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<tr>
<td>GEOL 315: Surface &amp; Near-Surface Processes (prereq PHYS 201 or 211)</td>
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<tr>
<td>GEOL 325: Stratigraphy &amp; Sedimentary Basins (prereq GEOL 302)</td>
<td>4</td>
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<tr>
<td>GEOL 335: Processes of Global Environmental Change</td>
<td>4</td>
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<tr>
<td>GEOL 355: Structural Geology &amp; Tectonics (prereq GEOL 302, PHYS 201 or 211)</td>
<td>4</td>
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Select 1 of the following:

- GEOL 305: Earth Systems Through Time
- GEOL 371: A View of the River
- GEOL 548: Environmental Geophysics (prereq MATH 141 and PHYS 201 or 211)

### Integrative Major Course

- GEOL 500 Field Camp, Colorado, May-June (prereq GEOL 325, GEOL 355) (4 to 6)

### Cognate

12 credits of non-GEOL courses at the 200-300 level; see Academic Bulletin for cognate courses

120 Credits needed for graduation (includes electives; does not include PEDU, Band and other one-credit performance courses)