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; SAE 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; SAE 200; WGST 112 or other approved CC-VSR

Geological Sciences Degree Requirements: Major Requirements

Geology Courses (Pass with C or higher)

- GEOL 101, 103 or 201 (4)
- GEOL 302: Rocks and Minerals (4)
- GEOL 315: Surface & Near-Surface Processes (prereq PHYS 201 or 211) (4)
- GEOL 325: Stratigraphy & Sedimentary Basins (prereq GEOL 302) (4)
- GEOL 335: Processes of Global Environmental Change (4)
- GEOL 355: Structural Geology & Tectonics (prereq GEOL 302, PHYS 201 or 211) (4)

Select 1 of the following:

- GEOL 305: Earth Systems Through Time (4)
- GEOL 371: A View of the River (3)
- GEOL 548: Environmental Geophysics (prereq MATH 141 and PHYS 201 or 211) (3)

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)