

# Geological Sciences (with Concentration in Environmental Geoscience)

(Credits)

## **CMW Written Communication (Grade of C or higher required)**

ENGL-101 (3)

ENGL-102 (also fills INF Overlay when taken here) (3)

## **ARP Analytical Reasoning & Problem Solving**

MATH 122 Business Calculus or MATH 141 Calculus I (3 or 4)

MATH 170 Finite Mathematics or MATH 142 Calculus II (3 or 4)

STAT 201, 509 or 515 (3)

CSCE 102 (or higher) (3)

## **SCI Scientific Literacy**

PHYS 201/201L: General Physics I or 211/211L: Essentials of Physics I (3/1)

CHEM 111/L: General Chemistry I (prereq: MATH 115) (3/1)

Select 2 of the following:

PHYS 202/202L: General Physics II or 212/212L: Essentials of Physics II (3/1)

CHEM 112/L: General Chemistry II (3/1)

BIOL 101 and BIOL 101L (3/1)

BIOL 102 and BIOL 102L (3/1)

## **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: 100-level US (3)

History: 100-level non US (3)

### **GSS Social Sciences**

Select 2 courses (6 credits); at least one must be from:

AFAM 201; ANTH 101, 102, 204, 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

(3, 3)

### **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, 210; CLAS 220; CPLT 150, 270; DANC 101; ENGL 270, 282-288; FILM 110, 180, 240; FREN 290; GERM 270, 290; MART 110, 210; MUSC 110, 113-115, 140, 310; RELG 270; RUSS 280; SOST 101; SPAN 220; THEA 170, 181, 200

(3, 3)

(over)



**Overlay**



A. CMS Persuasive Communication

PHIL 325; SAEL 200; SPCH 140, 230, 260



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

**Geological Sciences Degree Requirements: Major Requirements**

(Credits)

**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: Mountain Building (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)

(6)

**Cognate**

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



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

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