

Geological Sciences Degree Requirements: Carolina Core

Name: _____

(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 (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 hrs); at least one must be an approved Carolina Core GSS class such as:
228; LASP 331; LING 101; POLI 101, 201; PSYC 101; SOCY 101; WGST 112, 113, 210 or other approved CC-
AIU

(3, 3)

AIU Aesthetic & Interpretive Understanding

Select 2 courses (6 hrs) from Fine Arts, Literature, or Humanities; at least one must be from:
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 or other approved CC- AIU

(3, 3)
(over)



Overlay



A. CMS Persuasive Communication

PHIL 325; SAEL 200; SPCH 140, 145 or other approved CC- CMS



B. INF Information Literacy

ENGL 102 (recommended); or LIBR 101, SLIS 202, STAT 112 or other approved CC-INF



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

(Credits)

Geology Courses (Pass with C or higher)



GEOL 101, 103 or 201

(4)



GEOL 302: Rocks and Minerals

(4)



GEOL 325: Stratigraphy & Sedimentary Basins (prereq GEOL 302)

(4)



GEOL 345: Igneous & Metamorphic Processes (prereq GEOL 302, MATH 122 or 141)

(4)



GEOL 355: Structural Geology & Tectonics (prereq GEOL 302, PHYS 201 or 211)

(4)

Select 2 of the following:



GEOL 305: Earth Systems Through Time

(4)



GEOL 315: Surface & Near-Surface Processes (prereq PHYS 201 or 211)

(4)



GEOL 335: Processes of Global Environmental Change

(4)

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 200-600 level; see Academic Bulletin for cognate courses

[Courses Acceptable for Cognate Credit in Degree Programs in the College of Arts and Sciences.](#)



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