**Requirements for Geology Sub-plan: 2021-22 Catalog Year (SPRING 2022 only)**

### SECOND LANGUAGE REQUIREMENT
(Requirement can be met with proficiency exam):

| Semester 1 | 4 |
| Semester 2 | (completion with a grade of C or higher) | 4 |

### GENERAL EDUCATION (BEGINNING SPR22):
- UNIV 101 Intro to GE (1-unit)
- 4 Exploring Perspectives
  - Artist (3-units)
  - Humanist (3-units)
  - Natural Scientist (3-units)
  - Social Scientist (3-units)
- 3 Building Connections (9-units total)
- UNIV 301 Capstone GE (1-unit)

### ENGLISH (6 units):
- ENGL 101 English Composition 3
- ENGL 102 English Composition (grade of B or higher to meet MCWA) 3
- ENGL 109H English Composition 3
- ENGL 106 English Composition for ESL Students 3
- ENGL 107 English Composition for ESL Students 3
- ENGL 108 English Composition for ESL Students (grade of B or higher to meet MCWA) 3

### MATHEMATICS (9 units):
- MATH 122A&B or MATH 125 Calculus I (P: MATH 120R, or MATH 112 plus MATH 111, with a grade of C or higher, or appropriate math placement) 3-5
- MATH 129 Calculus II (P: MATH 122B or MATH 125 with grade of C or higher) 3

Choose one of the following:
- MATH 163 Basic Statistics (P: MATH 112) 3
- MATH 222 Vector Calculus (P: MATH 129) 4
- MATH 263 Statistics and Biostatistics (P: MATH 112) 3
- MATH 313 Intro to Linear Algebra (P: MATH 129) 3

### CHEMISTRY (8 units):
- CHEM 151 General Chemistry I (P: MATH 112 or Math Placement level, Calc 65+) 4
- CHEM 152 General Chemistry II (P: CHEM 151) 4

### COMPUTER APPLICATIONS (3 units):
Choose one class from: GEOS 280 (MatLab) or GEOS 285 (Python) 3-4

### GEOLGY CORE (Complete all 8 courses):
- GEOS 251 Physical Geology (Fall and Spring) 4
- GEOS 300 Earth Surface Processes (P: GEOS 251) (Spring) 3
- GEOS 302 Principles Stratigraphy and Sedimentation (P: GEOS 251, CHEM 151, PHYS 102 or 141) (Fall) (Writing Proficiency course; MCWA alternative) 4
- GEOS 304 Structural Geology (P: GEOS 251, PHYS 102 or 141) (Fall, sometimes Spring) 4
- GEOS 306 Mineralogy (P: GEOS 251, CHEM 151) (Fall) 3
- GEOS 308 Paleontology (P: GEOS 251) (Spring) 3
- GEOS 322 Intro to Geophysics (P: GEOS 251; P: MATH 122B or 125) (Spring) 3
- GEOS 356 Petrology (P: GEOS 306, MATH 122B, PHYS 102 or 141) (Spring) 4

### CORE CAPSTONE – FIELD EXPERIENCE (6 units):
- GEOS 404 or GEOS 405 Geology Field Camp (P: GEOS 251, 302, 304, 306, 356) or Accessible Earth (both available in Summer Session) 6

### GEOLOGY ADVISOR APPROVED EMPHASIS COURSES (15 units):
Majority of courses should consist of GEOS 300 or 400 level
Full list of approved classes on advisement report
No more than 3 units of Preceptor (GEOS 397A)

*UA BS degrees require a minimum of 120 units for graduation. This sub-plan totals a minimum of 103 units. Additional units may be required to meet the BS minimum requirement of 120 units.

Geology Advisor Approved Emphasis Courses


Rev: 12/14/2021 – sm