

### General Education

**Foundations: (13 Credits)**

**Oral Communication (3 Credits)**

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**Written Communication (3 Credits)**

ENGL 1200 College Composition

**Quantitative Reasoning (4 Credits)**

Math 1410 Precalculus

**Technological Literacy (3 Credits)**

GIS 1210 Mapping our Environment

**Discoveries: (Credits 30)**

**Art/Humanities (10 Credits)**

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**Social Sciences (9 Credits)**

GEOG 1050 People and the Planet: Geography in a Changing World

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**Natural Sciences & Technology (11 Credits)**

Chem 1108 General Chemistry I

GEOL 1500 Dynamic Earth

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**Wellness & Personal Health: (3 Credits)**

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**Competencies:**

**Quantitative Applications**

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**Applied Methodologies**

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**Intercultural Fluency**

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**Ethical Reasoning**

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**Information Literacy**

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**Writing Intensive**

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**Keystone Experience**

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### Program Requirements

**Required Major Courses: (17 Credits)**

BIOL 1400 Intro to Ecology and Evolution

BIOL 1700 Organismal Biology

ATMS 1500 Environmental Atmospheric Sciences

GIS 2100 Geographic Informational Systems

STAT 2020 Elements of Statistics

**Required Concentration Courses: (26 Credits)**

GEOL 2010 Principles of Earth History

GEOL 3010 Professional Development for Geologists

GEOL 3250 Quantitative Skills in Geology

GEOL 3030 Hydrology

GEOL 3300 Introduction to Mineralogy and Petrology

GEOL 4100 Field Methods in Geology

GEOL 4300 Structural Geology

GEOL 4200 Sedimentology and Stratigraphy

**Major Electives: (13 Credits)**

Any courses 3000 or above from ATMS, BIOL, FWSC, GEOL, GEOG, GIS, PLE

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**Free Electives: (18 Credits)**

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## Suggested Four Year Course Sequence

### Year 1

#### Fall Semester

GEOL 1500: Dynamic Earth  
GGIS 1210: Mapping our Environment  
ENGL 1200: Eng. Composition  
Any Communications Course  
Any Discoveries Course

#### Spring Semester

GEOL 2010: Earth History  
GEOG 1050: People and the Planet  
MATH 1410: Precalculus  
Any Wellness or Discoveries Course  
Any Discoveries Course

### Year 3

#### Fall Semester

GEOL 3XXX: Geology Requirement  
GEOL XXXX: Major Elective  
BIOL 1400: Intro to Ecology and Evolution  
GGIS 2100: GIS  
Any Discoveries Course

#### Spring Semester

GEOL 4XXX: Geology Requirement  
GEOL XXXX: Major Elective  
BIOL 1700: Organismal Biology  
STAT 2020: Statistics  
Any Discoveries Course

### Year 2

#### Fall Semester

GEOL 3XXX: Geology Requirement  
GEOL 3010: Prof. Dev. for Geologists  
GEOL XXXX: Major Elective  
CHEM 1108: General Chemistry I  
ATMS 1500 Env. Atmospheric Science

#### Spring Semester

GEOL XXXX: Major Elective  
GEOL XXXX: Major Elective  
GEOL 3XXX: Geology Requirement  
Any Discoveries Course  
Free Elective

### Year 4

#### Fall Semester

GEOL 3010: Prof. Dev. for Geologists  
GEOL 4XXX: Geology Requirement  
GEOL XXXX: UL Writing Intensive Course  
GEOL XXXX Keystone Experience Course

#### Spring Semester

GEOL 4XXX: Geology Requirement  
GEOL XXXX: UL Writing Intensive Course  
GEOL XXX: GEOL Related Elective  
Any Discoveries Course  
Free Elective

