

### 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)**

GGIS 1210 Mapping our Environment

**Discoveries: (Credits 29)**

**Art/Humanities (9 Credits)**

ENGL 2230 Writing and the Natural Sciences

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**Social Sciences (9 Credits)**

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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**

ATMS 1500 Environmental Atmospheric Sciences

**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**

ENGL 2230 Writing & Natural Science and any BIOL, FWSC, ATMS, or GEOL course approved for Writing Intensive

**Keystone Experience**

BIOL 4480 Topics in Field BIOL or BIOL 4951 Internship or BIOL 4999 Research

### Program Requirements

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

BIOL 1400 Intro to Ecology and Evolution

BIOL 1700 Organismal Biology

ATMS 1500 Environmental Atmospheric Sciences

GGIS 2100 Geographic Informational Systems

STAT 2020 Elements of Statistics

**Required Concentration Courses: (18 Credits)**

BIOL 1900 Intro Cell and Molec OR BIOL 2202 Genetics

BIOL 2248 Principles of General Ecology

BIOL 2411 Intro to Environmental Science and Sustainability or NSET/BIOL 1278 Discovering Environmental Science

BIOL 4550 Evolution

CHEM 1128 Gen Chem 2 OR CHEM 2450 Env Chem

**Major Electives: (25 Credits)**

BIOL 2020 Introduction to Sustainability, GEOG 2410 Plan the Hum Env, GEOG 3410 Sustainable Development, or GEOG 4410 Env Plan

BIOL 3335 Sustainable Agriculture, BIOL 3399 Conservation Biology, FWSC 4435 Natural Resource Law and Policy

GEOL 3030 Hydrology, BIOL 4473 Freshwater Ecology, BIOL 4475 Wetlands Ecology, BIOL 4484 Quan Meth in Aq Bio, PLE 4475 Wetland Ecology, GEOG 4110 Geography of Water Resources, GEOL 4600 Watershed Evaluation and Management

BIOL 4402 Biometry, BIOL 4484 Quan Meth in Aq Bio, BIOL 4570 Bio St Des & Data An, BIOL 4800 Veg Sampling and Analysis, FWSC 4950 Applie Bio Methods and Sci Com, BIOL 4999 Research, PLE 4410 Field Methods in Environmental Biology

BIO 4480 Topics in Field or BIOL 4951 Internship, or BIOL 4999 Research in Biol

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

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**Free Electives: (18 Credits)**

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## Suggested Four Year Course Sequence

### Year 1

#### Fall Semester

BIOL 1400  
ENGL 1200  
ATMS 1500  
Any Discoveries Course  
Any Discoveries Course

#### Spring Semester

BIOL 1700  
MATH 1410  
BIOL 2411 OR BIOL 1278  
Any Oral Com.  
Any Wellness or Discoveries Course

### Year 3

#### Fall Semester

Policy and Conservation  
GGIS 2100  
Env. Science Elective  
Any Competencies/Discoveries  
Any Competencies/Discoveries

#### Spring Semester

Sustainability  
Research Design and Analysis  
Env. Science Elective  
Any Competencies/Discoveries Course  
Free elective

### Year 2

#### Fall Semester

BIOL 1900 OR BIOL 2202  
GEOL 1500  
GGIS 1210  
CHEM 1108

#### Spring Semester

BIOL 2248  
CHEM 2450 OR CHEM 1128  
ENGL 2230  
STAT 2020  
Any Competencies/Discoveries

### Year 4

#### Fall Semester

BIOL 4550 OR Water Resources elective  
Research Design and Analysis  
Env. Science Elective  
Free elective  
Free elective

#### Spring Semester

BIOL 4480/4951, 4999  
BIOL 4550 OR Water Resources elective  
Env. Science Elective  
Free Elective

