

General Education

Foundations: (13 Credits)

Oral Communication (3 Credits)

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

Social Sciences (9 Credits)

Natural Sciences & Technology (11 Credits)

Chem 1108 General Chemistry I

GEOL 1500 Dynamic Earth

Wellness & Personal Health: (3 Credits)

Competencies:

Quantitative Applications

ATMS 1500 Environmental Atmospheric Sciences

Applied Methodologies

Intercultural Fluency

Ethical Reasoning

Information Literacy

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

Free Electives: (18 Credits)

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

