Environmental Science Major

Area of Emphasis

Students must complete requirements in one of the following areas of emphasis:

- General
- Environmental Science (Accelerated) - Integrated with graduate Environmental Science & Policy program

General

Code	Title	Credits
Supporting Courses		**33**
BIOLOGY 201 & BIOLOGY 202	Principles of Biology: Cellular and Molecular Processes and Principles of Biology Lab: Cellular and Molecular Processes	
BIOLOGY 203 & BIOLOGY 204	Principles of Biology: Organisms, Ecology, and Evolution and Principles of Biology Lab: Organisms, Ecology, and Evolution	
CHEM 211 & CHEM 213	Principles of Chemistry I and Principles of Chemistry I Laboratory	
CHEM 212 & CHEM 214	Principles of Chemistry II and Principles of Chemistry II Laboratory	
ENV SCI 102	Introduction to Environmental Sciences	
GEOSCI 202	Physical Geology	
MATH 260	Introductory Statistics	
Mathematics (choose one of the following courses):		
MATH 104	Precalculus	
MATH 202	Calculus and Analytic Geometry I	
MATH 203	Calculus and Analytic Geometry II	
Upper-Level Courses [1]		**32**
ENV SCI 302	Principles of Ecology	
ENV SCI/ET 305	Environmental Systems	
ENV SCI/ET 336	Environmental Statistics	
ENV SCI 337	Environmental GIS	
ENV SCI 338	Environmental Modeling	
ENV SCI 339	Scientific Writing	
ENV SCI 467	Capstone in Environmental Science	
Elective Courses (choose 9 additional credits; no more than 6 credits from ENV SCI 497, 498, 499)):		
any 300-level ENV SCI course		
any 400-level ENV SCI course		
GEOSCI 325	Regional Climatology	
PU EN AF 301/POL SCI 301	Environmental Politics and Policy	
or PU EN AF 378	Environmental Law	
WATER 321	Stable Isotopes in the Environment	
Total Credits		65

[1] Students intending to pursue graduate study should include additional course work of at least one year of calculus, at least one year of physics, and upper-level courses in organic chemistry.

Environmental Science (Accelerated) - Integrated with graduate Environmental Science & Policy program

Code	Title	Credits
Supporting Courses		**36**
BIOLOGY 201 & BIOLOGY 202	Principles of Biology: Cellular and Molecular Processes and Principles of Biology Lab: Cellular and Molecular Processes	

BIOLOGY 203 & BIOLOGY 204	Principles of Biology: Organisms, Ecology, and Evolution and Principles of Biology Lab: Organisms, Ecology, and Evolution	
CHEM 211 & CHEM 213	Principles of Chemistry I and Principles of Chemistry I Laboratory	
CHEM 212 & CHEM 214	Principles of Chemistry II and Principles of Chemistry II Laboratory	
ENV SCI 102	Introduction to Environmental Sciences	
GEOSCI 202	Physical Geology	
MATH 260	Introductory Statistics	
POL SCI 101	American Government and Politics	
or POL SCI 202	Introduction to Public Policy	
or PU EN AF 202	Introduction to Public Policy	
Mathematics (choose one of the following courses):		
MATH 104	Precalculus	
MATH 202	Calculus and Analytic Geometry I	
MATH 203	Calculus and Analytic Geometry II	
Upper-Level Courses [1]		**34**
ENV SCI 302	Principles of Ecology	
ENV SCI/ET 305/ENV SCI 505	Environmental Systems [#]	
ENV SCI/ET 336	Environmental Statistics	
ENV SCI 337/537	Environmental GIS [#]	
ENV SCI 338	Environmental Modeling	
ENV SCI 339	Scientific Writing	
ENV SCI 467	Capstone in Environmental Science	
Choose one of the following courses:		
ENV SCI 303	Environmental Sustainability	
ENV SCI 460/660	Resource Management Strategy [#]	
PU EN AF 301/POL SCI 301	Environmental Politics and Policy	
PU EN AF 378	Environmental Law	
Elective Courses (choose 9 credits):		
ENV SCI 301	Radioactivity: Past, Present, and Future	
ENV SCI 303	Environmental Sustainability	
ENV SCI 318	Pollution Control	
ENV SCI/ET 320	The Soil Environment	
ENV SCI/ET 323/ENV SCI 523	Pollution Prevention [#]	
ENV SCI/ET 330/ENV SCI 530	Hydrology [#]	
ENV SCI 335/ET 331/ ENV SCI 535	Water and Waste Water Treatment [#]	
ENV SCI 401/601	Stream Ecology [#]	
ENV SCI 403/603	Limnology [#]	
ENV SCI/ET/PHYSICS 415/ ENV SCI 615	Solar and Alternate Energy Systems [#]	
ENV SCI/GEOG 421/ ENV SCI 621	Geoscience Field Trip [#]	
ENV SCI 424/624	Hazardous and Toxic Materials [#]	
ENV SCI 425/625	Global Climate Change [#]	
ENV SCI/ET/GEOSCI 432/ ENV SCI 632	Hydrogeology [#]	
ENV SCI 433/633	Ground Water: Resources and Regulations [#]	
ENV SCI 460/660	Resource Management Strategy [#]	
ENV SCI 464/664	Atmospheric Pollution and Abatement [#]	
ENV SCI 469/669	Conservation Biology [#]	
ENV SCI 491	Senior Thesis/Research in Environmental Science	

ENV SCI 492	Practicum in Environmental Science
WATER 444/644/ET 444	Geochemistry of Natural Waters
Total Credits	70

Students must be granted permission through the department to enroll in graduate level coursework. For more information, contact the Education office or refer to the graduate catalog (http://catalog.uwgb.edu/graduate/general-information/academic-rules-regulations/undergrad-in-accelerated/).