

Geoscience Major

Area of Emphasis

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

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

General Geoscience

Code	Title	Credits
Supporting Courses		34
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	
GEOSCI 202	Physical Geology	
GEOSCI 203	Earth System History	
GEOSCI 204	Earth System History Laboratory	
MATH 202	Calculus and Analytic Geometry I	
MATH 260	Introductory Statistics	
PHYSICS 201	Principles of Physics I	
COMM 133 or WF 105 or ENV SCI 339	Fundamentals of Public Address Research and Rhetoric Scientific Writing	
Upper-Level Courses		26
ENV SCI 320	The Soil Environment	
ENV SCI 330	Hydrology	
GEOSCI 340	Introduction to Mineralogy & Petrology	
GEOSCI 432	Hydrogeology	
Choose 12 credits from the following courses:		
ENV SCI 337	Environmental GIS	
ENV SCI 425	Global Climate Change	
GEOSCI 301	Introduction to Geoscience Field Methods	
GEOSCI 350	Structural Geology and Geodynamics	
GEOSCI 402	Sedimentology & Stratigraphy	
GEOSCI 421	Geoscience Field Trip (Offerings of trip to different areas may be repeated for credit)	
GEOSCI 450	Ore Deposits	
GEOSCI 470	Glacial Geology & Landscapes	
GEOSCI 491	Senior Thesis/Research in Geoscience	
GEOSCI 492	Special Topics in Geoscience ¹	
GEOSCI 498	Independent Study	
GEOSCI 499	Travel Course	
WATER 321	Stable Isotopes in the Environment	
WATER 444	Geochemistry of Natural Waters	
Total Credits		60

¹ Course topics vary. Offerings of different topics can be repeated for credit.

Geoscience Accelerated Emphasis - Integrated with graduate Environmental Science & Policy program

Code	Title	Credits
Supporting Courses		34
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	
GEOSCI 202	Physical Geology	
GEOSCI 203	Earth System History	
GEOSCI 204	Earth System History Laboratory	
MATH 202	Calculus and Analytic Geometry I	
MATH 260	Introductory Statistics	
PHYSICS 201	Principles of Physics I	
COMM 133 or WF 105	Fundamentals of Public Address Research and Rhetoric	
ENV SCI 339	Scientific Writing	
Upper-Level Courses		26
ENV SCI 320/520	The Soil Environment #	
ENV SCI 330	Hydrology	
GEOSCI 340	Introduction to Mineralogy & Petrology	
GEOSCI 432/632	Hydrogeology #	
Choose 12 credits from the following courses:		
ENV SCI 337	Environmental GIS	
ENV SCI 425/625	Global Climate Change #	
GEOSCI 301	Introduction to Geoscience Field Methods	
GEOSCI 350	Structural Geology and Geodynamics	
GEOSCI 402	Sedimentology & Stratigraphy	
GEOSCI 421/621	Geoscience Field Trip (Offerings of trip to different areas may be repeated for credit) #	
GEOSCI 450	Ore Deposits	
GEOSCI 470/670	Glacial Geology & Landscapes #	
GEOSCI 491	Senior Thesis/Research in Geoscience	
GEOSCI 492	Special Topics in Geoscience ¹	
GEOSCI 498	Independent Study	
GEOSCI 499	Travel Course	
WATER 321	Stable Isotopes in the Environment	
WATER 444/644	Geochemistry of Natural Waters #	
Total Credits		60

Students must be granted permission through the department to enroll in graduate level coursework. For more information, contact the graduate Environmental Science & Policy office or refer to the graduate catalog (<http://catalog.uwgb.edu/archive/2023-2024/graduate/general-information/academic-rules-regulations/undergrad-in-accelerated/>).