

Education Emphasis

GEOSCIENCE Major

This disciplinary emphasis also requires:

- Admission to the Education Program
- Completion of the minor in Secondary Education

Code	Title	Credits
Supporting Courses ¹		26-27
CHEM 211 & CHEM 213	Principles of Chemistry I and Principles of Chemistry I Laboratory	
ENV SCI 141	Astronomy	
GEOSCI 202	Physical Geology	
GEOSCI 203	Earth System History	
GEOSCI 204	Earth System History Laboratory	
GEOSCI 222	Ocean of Air: Weather and Climate	
Choose two of the following courses:		
MATH 104	Elementary Functions: Algebra and Trigonometry	
MATH 202	Calculus and Analytic Geometry I	
MATH 260	Introductory Statistics	
COMM 133 or ENG COMP 105	Fundamentals of Public Address English Composition II: Composition and Rhetoric	
Upper-Level Courses		26
ENV SCI 320	The Soil Environment	
ENV SCI 330 or GEOSCI 432	Hydrology Hydrogeology	
GEOSCI 340	Introduction to Mineralogy & Petrology	
Choose 12 credits from the following courses:		
ENV SCI 421	Geoscience Field Trip	
GEOSCI 301	Introduction to Geoscience Field Methods	
GEOSCI 350	Structural Geology and Geodynamics	
GEOSCI 402	Sedimentology & Stratigraphy	
GEOSCI 425	Global Climate Change	
GEOSCI 450	Ore Deposits	
GEOSCI 470	Quaternary Geology	
GEOSCI 492	Special Topics in Geoscience ²	
Total Credits		52-53

¹ Candidates for teacher certification are strongly urged to also take CHEM 212 and CHEM 214.

² Course topics vary. Typical topics include structural geology, ore deposits, and geomorphic processes. Offerings of different topics can be repeated for credit.