

# Geoscience Emphasis for Students Seeking Teaching Certification

## This disciplinary emphasis also requires:

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

## Supporting Courses <sup>1</sup>

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	Geologic Evolution of the Earth
GEOSCI 204	Geologic Evolution of the Earth Laboratory
GEOSCI 222	Ocean of Air: Weather and Climate
<b>Choose two of the following courses:</b>	
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 Expository Writing

## Upper-Level Courses

26

ENV SCI 320	The Soil Environment
ENV SCI 330	Hydrology
GEOSCI 340	Introduction to Mineralogy & Petrology
GEOSCI 432	Hydrogeology
<b>Choose 12 credits from the following courses:</b>	
ENV SCI 421	Geoscience Field Trip
ENV SCI 425	Global Climate Change
GEOSCI 301	Introduction to Geoscience Field Methods
GEOSCI 402	Sedimentology & Stratigraphy
GEOSCI 470	Quaternary Geology
GEOSCI 492	Special Topics in Earth Science <sup>2</sup>

Total Credits

52-53

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

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