

GEOSCIENCES (GEOCHEMISTRY), B.S.

Requirements for a Concentration in Geochemistry

Code	Title	Hours
Concentration Requirements		
Thirteen semester hours from the following:		13
GEO 3430	Petrology	
GEO 4317	Sedimentary Geochemistry	
GEO 4321	Isotope Geochemistry	
GEO 4322	Global Biogeochemical Cycles	
GEO 4324	Geomicrobiology	
GEO 4328	Sedimentary Petrology	
GEO 4335	Volcanology	
GEO 4336	Analytical Techniques in Geochemistry	
No more than seven hours from:		
CHE 3238	Organic Chemistry Laboratory	
CHE 3331	Organic Chemistry I	
CHE 3332	Organic Chemistry II	
CHE 4225	Biophysical Chemistry Laboratory	
CHE 4227	Physical Chemistry Laboratory I	
CHE 4321	Physical Chemistry I	
CHE 4327	Physical Chemistry for the Life Sciences	
CHE 4341	General Biochemistry	
ENV 3387	Environmental Chemistry	
ENV 4304	Aquatic Chemistry	
GEO 4300	Senior Thesis	
or GEO 4302	Mentored Research Experience	
or GEO 4303	Internship	
Subtotal		13
Required Courses in Other Fields		
MTH 1321	Calculus I	3
MTH 1322	Calculus II	3
or STA 2381	Introductory Statistical Methods	
Sixteen semester hours from:		16
BIO 1303	Human Ecology: Our Place in Nature	
BIO 1305 & BIO 1105	Modern Concepts of Bioscience and Modern Concepts of Bioscience Laboratory	
BIO 1306 & BIO 1106	Modern Concepts of Bioscience, continued and Modern Concepts of Bioscience Laboratory	
CHE 1301 & CHE 1101	Basic Principles of Modern Chemistry I and General Chemistry Laboratory I	
CHE 1302 & CHE 1102	Basic Principles of Modern Chemistry II and General Chemistry Laboratory II	
PHY 1408	General Physics for Natural and Behavioral Sciences I	
PHY 1409	General Physics for Natural and Behavioral Sciences II	

PHY 1420	General Physics I	
PHY 1430	General Physics II	
No more than four hours from:		
ANT 1404	Introduction to Human Evolution	
ANT 1407	Introduction to Archaeology	
AVS 1313	Introduction to Meteorology	
BUS 2222	Introduction to Energy Commerce	
CSI 1430	Introduction to Computer Science I with Laboratory	
ENV 1301 & ENV 1101	Exploring Environmental Issues and An Introduction to Environmental Analysis (Lab)	
Total Hours		35