

GEOSCIENCES (HYDROGEOSCIENCE), B.S.

ENV 1301 & ENV 1101 Exploring Environmental Issues and An Introduction to Environmental Analysis (Lab)

Requirements for a Concentration in Hydrogeoscience

Code	Title	Hours
Concentration Requirements		
Thirteen semester hours from the following:		
GEO 3349 or GEO 4341 or GEO 4346	Hydrologic Processes Introduction to Hydrology Hydrogeology	3
GEO 4386 or GEO 4485	Remote Sensing Introduction to Geographic Information Systems	3-4
GEO 4345	Water Management	3
Select at least three semester hours from the following: 3		
GEO 4317	Sedimentary Geochemistry	
GEO 4322	Global Biogeochemical Cycles	
GEO 4340	Geomorphology	
GEO 4383	Climate Change and Society I	
GEO 4388	Earth System Science	
GEO 4300 or GEO 4302 or GEO 4303	Senior Thesis Mentored Research Experience Internship	
Required Courses in Other Fields		
MTH 1321	Calculus I	3
MTH 1322 or STA 2381	Calculus II Introductory Statistical Methods	3
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	