GEOSCIENCES (HYDROGEOSCIENCE), B.S.

Requirements for a Concentration in Hydrogeoscience

Code	Title	Hours
Concentration Requirements		
Thirteen semester hours from the following:		
GEO 3349	Hydrologic Processes	3
or GEO 4341	Introduction to Hydrology	
or GEO 4346	Hydrogeology	
GEO 4386	Remote Sensing	3-4
or GEO 4485	Introduction to Geographic Information Systems	
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	Senior Thesis	
or GEO 4302	Mentored Research Experience	
or GEO 4303	Internship	
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)	