



Geology Major (Professional Geology Emphasis) - Junior & Senior Years

Junior Year - Fall

	Course Number	Course Name	Credits
Geology	51-309	Paleontology	3
Geology	51-314	Sedimentology	3
Geology	51-320	Geomorphology	3
	<i>OR</i>		
	51-365	Physical Hydrogeology	
Physics	82-107	General Physics	5
	<i>OR</i>		
	82-109	General Physics	
Electives			Up to 4

**Total Credits:
14-18**

Junior Year - Spring

Geology	51-331	Structural Geology & Tectonics	3
Geology	51-311	Stratigraphy & Basin Analysis	3
	<i>OR</i>		
	51-369	Geochemistry	
	<i>OR...</i>		

	51-308	Petrology	
	OR		
	51-322	Mineral Deposits	
Geology	51-342	Applied Geologic Field Methods (<i>not required</i>)	2
Physics	82-109	General Physics	5
	OR		
	82-110	General Physics	
Electives			1-5
			Total Credits: 14-18
Summer			
Geology	51-344	Field Geology	6
			Total Credits: 6
Senior Year - Fall			
Geology	51-320	Geomorphology	3
	OR		
	51-333	Advanced Mineralogy	
	OR		
	51-365	Physical Hydrogeology	
Electives			9-15
			Total Credits: 12-18

Senior Year - Senior

Geology	51-311	Stratigraphy & Basin Analysis	3
	<i>OR</i>		
	51-369	Geochemistry	
	<i>OR</i>		
	51-326	Geophysics & Geotectonics	
	<i>OR</i>		
	51-308	Petrology	
<i>OR</i>			
	51-322	Mineral Deposits	

Electives

9-15

**Total
Credits:
12-18**