

# Degree Requirements: Bachelor of Science in Geology – 2014

## Required EEES Courses (25 credits)

<b>EEES 1020</b>	Physical Geology Laboratory	1
<b>EEES 2100</b>	Fundamentals of Geology	4
<b>EEES 2230</b>	Earth History: Historical Geology & Paleontology	3
<b>EEES 2500</b>	Computer Applications	1
<b>EEES 2510</b>	Advanced Computer Applications	2
<b>EEES 3210</b>	Mineralogy & Igneous-Metamorphic Petrology	3
<b>EEES 3220</b>	Sedimentary Petrology & Stratigraphy	3
<b>EEES 3310</b>	Structural Geology & Mapping	3
<b>EEES 4640</b>	Applied Geology	3
<b>EEES 4920</b>	Senior Geology Seminar	2

## EEES Elective Requirements (15-16 credits)

*Five courses total are required from Groups A & B (with at least 2 from each group)*

### *Group A*

<b>EEES 2400</b>	Oceanography	3
<b>EEES 3100</b>	Surficial Geology	3
<b>EEES 4100</b>	Glacial Geology	3
<b>EEES 4200</b>	Quaternary Geology	3
<b>EEES 4240</b>	Soil Science	3

### *Group B*

<b>EEES 4150</b>	Evolution	3
<b>EEES 4220</b>	Geochemistry	3
<b>EEES 4410</b>	Hydrogeology	3
<b>EEES 4450</b>	Hazardous Waste	3
<b>EEES 4490</b>	Remote Sensing	3
<b>EEES 4610</b>	Geophysics	4

## Required Non-EEES Courses (26-27 credits)

CHEM 1230 & 1240	General Chemistry I & II	4, 4
CHEM 1280 & 1290	General Chemistry Lab I & II	1, 1
<i>Choose one from:</i>		
MATH 1850 & 1860	Calculus I & II	4, 4
MATH 1750 & 1760	Math for the Life Sciences I & II	4, 3
<i>Choose one from:</i>		
PHYS 2070 & 2080	General Physics I & II	5, 5

## Additional Requirements

Students must achieve at least a 2.5 GPA in the major. No required courses may be taken as P/NC (pass/no credit).

### Suggested Rotation & Timing of Required Geology Courses

YEAR	FALL	SPRING
<b>Freshman</b>	1020 Physical Geology Lab (1)	2500 Comp. Applications (1)
	2100 Fundamentals of Geology (4)	2230 Earth History (3)
<b>Sophomore</b>	Elective 1	3220 Earth Materials II (3)
	3210 Earth Materials I (3)	
<b>Junior</b>	Elective 2	3310 Structural Geology... (3)
	Elective 3	Elective 4
<b>Senior</b>	Elective 5	4640 Applied Geology (1)
		4920 Geology Seminar (2)