

DEPARTMENT OF ENVIRONMENTAL SCIENCES

Previous Degree Requirements: Bachelor of Science in Geology

Required EEES Courses (23 credits)

EEES 1020	Physical Geology Laboratory	1
EEES 2100	Fundamentals of Geology	4
EEES 2230	Earth History: Historical Geology & Paleontology	3
EEES 2500	Computer Applications	1
EEES 3210	Earth Materials I: Mineralogy & Igneous-Metamorphic Petrology	3
EEES 3220	Earth Materials II: Sedimentary Petrology & Stratigraphy	3
EEES 3310	Structural Geology & Mapping	3
EEES 4640	Applied Geology	3
EEES 4920	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

EEES 2400	Oceanography	3
EEES 3100	Surficial Geology	3
EEES 4100	Glacial Geology	3
EEES 4200	Quaternary Geology	3
EEES 4240	Soil Science	3

Group B

EEES 4150	Evolution	3
EEES 4220	Geochemistry	3
EEES 4410	Hydrogeology	3
EEES 4450	Hazardous Waste	3
EEES 4490	Remote Sensing	3
EEES 4610	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

Choose one from:

MATH 1850 & 1860	Calculus I & II	4, 4
MATH 1750 & 1760	Math for the Life Sciences I & II	4, 3

Choose one from:

PHYS 2070 & 2080	General Physics I & II	5, 5
PHYS 2130 & 2140	Physics for Scientists & Engineers 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
Freshman	1020 Physical Geology Lab (1) 2100 Fundamentals of Geology (4)	2500 Comp. Applications (1) 2230 Earth History (3)

Sophomore	Elective 1 3210 Earth Materials I (3)	3220 Earth Materials II (3)
Junior	Elective 2 Elective 3	3310 Structural Geology... (3) Elective 4
Senior	Elective 5	4640 Applied Geology (1) 4920 Geology Seminar (2)