

Geology, B.S. (Concentration in Geosciences)

Course	Title	Semester Credit Hours
Freshman Year		
Semester 1		
ENGL 1301	Rhetoric and Composition	3
GEOL 1303 & GEOL 1103	Physical Geology and Physical Geology Laboratory	4
MATH 2413	Calculus I	4
UNIV 1201	Learning in Global Context	2
Creative arts		3
Semester Credit Hours		16
Semester 2		
CHEM 1311 & CHEM 1111	Gen Inorganic Chemistry I and Gen Inorganic Chem Lab I	4
ENGL 1302	Rhetoric and Composition	3
GEOL 1302 & GEOL 1102	Intro Ocean, Astron & Atmos and Intro Ocean Astron & Atmos Lab	4
GEOL 1304 & GEOL 1104	Historical Geology and Historical Geology Lab	4
Semester Credit Hours		15
Sophomore Year		
Semester 1		
HIST 1301	American History to 1877	3
PHYS 1301 & PHYS 1101	College Physics I and Coll Physics I Laboratory ¹	4
POLS 2301	Government and Politics of US	3
Lang/Phil/Culture		3
Social/Behavioral		3
Semester Credit Hours		16
Semester 2		
GEOG 2472	Intro to Geographic Info Sys	4
HIST 1302	American History since 1877	3
POLS 2302	Government and Politics of TX	3
Communications		3
Elective		3
Semester Credit Hours		16
Junior Year		
Semester 1		
GEOG/GEOL, adv.		4
GEOL 3445	Oceanography	4
Minor ²		3
Minor ²		3
Semester Credit Hours		14
Semester 2		
GEOG 3305	Environmental Geography	3
GEOL 3431	Stratigraphy and Sedimentology	4
GEOG 3450 or GEOG 3460	Field Mapping Cartography or GIS in Nat Res and Envir Mgmt	4
Minor ²		3
Semester Credit Hours		14

Senior Year**Semester 1**

GEOG 4429	Advanced GIS	4
GEOL 3446	Comp Methods in Geosciences	4
Minor, adv. ²		3
Minor, adv. ²		3

Semester Credit Hours**14****Semester 2**

GEOG 4435	Remote Sensing	4
GEOL, adv.		4
GEOL 4425	Hydrogeology	4
Minor, adv. ²		3

Semester Credit Hours**15****Total Credit Hours Required:****120**

¹ Or PHYS 2325/PHYS 2125. Required for physics minor; recommended for those interested in geophysics.

² Or any other mathematics, natural science, engineering or computer science course, provided a recognized minor is completed. Courses in other supporting areas may also be substituted with departmental approval. Non-advanced courses may be substituted for those marked "adv." provided the student will otherwise complete 45 advanced hours including those required in a minor.