

Bachelor of Science in Geosciences-Geochemistry (120 hours)

This is a recommended course sequence based on the UHD 2023-24 Undergraduate Catalog for a degree in Geosciences, which equips students to obtain employment in the geochemical, environmental, and related research areas. Courses with asterisks (*) indicate Common Core courses.

First Year					
Semester 1			Semester 2		
Course	Hours	Grade	Course	Hours	Grade
ENG 1301*	3		ENG 1302*	3	
MATH 2401* (can be substituted for MATH 2411)	4		CHEM 1307/1107	4	
GEOL 1305/1105*	4		GEOL 1306/1106*	4	
UHD First-year Seminar*	3		MATH 2402 (can be substituted for MATH 2412)	4	
Total Hours	14		Total Hours	15	
Second Year					
Semester 1			Semester 2		
Course	Hours	Grade	Course	Hours	Grade
GEOL 3310/3110 (Mineralogy w/Lab)	4		GEOL 3305/3105 (Petrology w/Lab)	4	
GEOL 3312/3112 (Structural GEOL /Lab)	4		PHYS 1307/1107	4	
GEOL 3302/3102 (Sedimentology and Stratigraphy w/ Lab)	4		Creative Arts course*	3	
CHEM 1308/1108 (Summer Option)	4		Language, Philosophy, and Culture*	3	
Total Hours	16		Total Hours	14	
Third Year					
Semester 1			Semester 2		
Course	Hours	Grade	Course	Hours	Grade
Concentration Course	3		GEOL 3411 (Paleontology)	4	
PHYS 1308/1108 (Physics II w/ Lab)	4		GEOL 4303 (Geol. Field Methods)	3	
Social and Behavioral Sciences* (Summer Option)	3		CHEM 3310/3110 (Quant Analysis)	4	
POLS 2306 (Texas Government)*	3		American History course*	3	
CS 1311 Intro to Python	3		GEOL 4304 (Field Geology) (Summer Option)	3	
Total Hours	16		Total Hours	17	
Fourth Year					
Semester 1			Semester 2		
Course	Hours	Grade	Course	Hours	Grade
GEOL 3340 (Inorganic Geochem)	3		GEOL 3313 (Geology of Ore Deposits)	3	
CHEM 2301/2101 (Organic Chem I w/Lab)	4		STAT 3311 (Statistic for Natural Science)	3	
GEOL 4305 Plate Tectonics	3		POLS 2305 (Federal Government)*	3	
Oral Communication course* (Summer Option)	3		American History course* (Summer Option)	3	
Total Hours	13		Free Elective	3	
			Total Hours	15	

15 to Finish

Fall: 15 hours • Spring: 15 hours

30 in 3

Fall: 12 hours • Spring: 12 hours • Summer: 6 hours