

Bachelor of Science in Petroleum Geotechnology Geosciences (120 hours)

This table shows a sample recommended course sequence for this degree based on the **UHD 2026-27 Undergraduate Catalog**. Students should verify degree requirements and registration plans with an advisor to ensure accuracy. Please note that some degrees and colleges have specific GPA and other requirements. Courses with asterisks (*) indicate Common Core courses.

First Year (Freshman 0-29 hrs)

Semester 1	Hours	Grade	TCCNS	ACGM	Semester 2	Hours	Grade	TCCNS	ACGM
ENG 1301*	3		ENGL 1301	Composition I	ENG 1302*	3		ENGL 1302	Composition II
MATH 2401*	4		MATH 2413	Calculus I	CHEM 1307/1107	4		CHEM 1311/1111	General Chemistry I w/ Lab
GEOL 1305/1105*	4		GEOL 1303/1103	Physical Geology w/ Lab	GEOL 1306/1106*	4		GEOL 1304/1104	Historical Geology w/ Lab
UHD 1303 (Freshman Seminar*)	3				MATH 2402	4		MATH 2414	Calculus II
Total Hours	14				Total Hours	15			

Second Year (Sophomore 30-59 hrs)

Semester 1	Hours	Grade	TCCNS	ACGM	Semester 2	Hours	Grade	TCCNS	ACGM
GEOL 2301/2101 (Mineralogy w/ Lab)	4				GEOL 3305/3105 (Petrology w/ Lab)	4			
GEOL 3312/3112 (Structural GEOL w/ Lab)	4				PHYS 1307/1107	4		PHYS 1301/1101	Physics w/ Lab
GEOL 3302/3102 (Sedimentology & Stratigraphy w/ Lab)	4				Creative Arts Course*	3			
CHEM 1308/1108 (Chemistry II w/ Lab)	4				Language, Philosophy, & Culture*	3			
Total Hours	16				Total Hours	14			

Third Year (Junior 60-89 hrs)

Semester 1	Hours	Grade	TCCNS	ACGM	Semester 2	Hours	Grade	TCCNS	ACGM
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GEOL 4302/4102 (Petroleum Geology w/ Lab)	4				GEOL 3411 (Paleontology)	4			
PHYS 1308/1108	4		PHYS 1302/1102	College Physics II w/ Lab	GEOL 4303 (GEOL Field Methods)	3			
POLS 2306*	3		GOVT 2306	Texas Government	CS 1411 (Intro to CS w/ Python)	4			
GEOL 4306 (Basin Analysis)	3				POLS 2305*	3		GOVT 2305	Federal Government
					Oral Communication Course*	3			
Total Hours	14				Total Hours	17			
Summer									
Semester 1	Hours	Grade	TCCNS	ACGM	Semester 2	Hours	Grade	TCCNS	ACGM
GEOL 4304 (Field Geology)	3								
Total Hours	3								
Fourth Year (Senior 90-120 hrs)									
Semester 1	Hours	Grade	TCCNS	ACGM	Semester 2	Hours	Grade	TCCNS	ACGM
GEOL 3306 (Remote Sensing-GIS)	3				STAT 3311 (Statistic for Natural Science)	3			
GEOL 4305 (Plate Tectonics)	3				Social & Behavioral Sciences*	3			
American History Course*	3				American History Course*	3			
GEOL 4402 (Geophysics)	4				Concentration Electives	3			
					Free Electives (if needed)	2			
Total Hours	13				Total Hours	14			