



COLLEGE OF NATURAL SCIENCES & MATHEMATICS

Bachelor of Science, Geophysics

Four-Year Academic Map 2022-2023

YEAR 1	Semester 1 Fall			Semester 2 Spring			Total	
	ENGL 1301	First Year Writing I	3	ENGL 1302	First Year Writing II	3		
	CHEM 1111	Fundamentals of Chemistry Lab	1	CHEM 1112	Fund of Chemistry 2 Lab	1		
	CHEM 1311	Fundamentals of Chemistry	3	CHEM 1312	Fund of Chemistry 2	3		
	GEOL 1103	Physical Geology Laboratory	1	MATH 2414	Calculus II	4		
	GEOL 1303	Physical Geology	3	CORE	Social & Behavioral Sciences	3		
	MATH 2413	Calculus I	4	CORE	Language, Philosophy & Culture	3		
Semester Hours			15	Semester Hours			17	32

YEAR 2	Semester 1			Semester 2			Total	
	GEOL 3370	Mineralogy	3	GEOL 3340	Geologic Field Methods	3		
	MATH 2415	Calculus III	4	GEOL 3372	Petrography	3		
	PHYS 2125	Physics Laboratory I	1	MATH 3321	Engineering Mathematics	3		
	PHYS 2325	University Physics I	3	PHYS 2126	Physics Laboratory II	1		
	CORE	Creative Arts	3	PHYS 2326	University Physics II	3		
	Semester Hours			14	Semester Hours			13

YEAR 3	Semester 1			Semester 2			Total			
	GEOL 4330	Introduction to Geophysics	3	GEOL 3145	Structural Geology Laboratory	1				
	GEOL 3150	Principles of Stratigraphy Lab	1	GEOL 3345	Structural Geology	3				
	GEOL 3350	Stratigraphy	3	GEOL 4370	Exploration/Global Seismology	3				
	GOVT 2306	US and Texas Constitutions & Pols	3	MATH 3363	Partial Differential Equations	3				
	Elective	Advanced Geophysics Elective	3	GOVT 2305	US Gov: Cong, Pres, & Courts	3				
				Elective	Advanced Geophysics Elective	3				
	Semester Hours			13	Semester Hours			16	29	
	Summer Session									
GEOL 4355	Geophysical Field Camp	3								
						Total Summer Hours	3			

YEAR 4	Semester 1			Semester 2			Total	
	Elective	Advanced Geophysics Elective	3	Elective	Advanced Geoscience Elective	3		
	CORE	American History	3	Elective	Advanced Geophysics Elective	3		
	Elective	Approved Electives	3	CORE	American History	3		
	MATH 3364	Introduction to Complex Analysis	3	Elective	Approved Electives	2		
	GEOL 4381	Geophysical Signals & Analysis	3	CORE	Writing in the disciplines	3		
	Semester Hours			15	Semester Hours			14
							120	

Students should meet with their academic advisor to formulate their own plan.