

COLLEGE OF ENGINEERING

Bachelor of Science, Petroleum Engineering

Four-Year Academic Map 2026-2027

YEAR 1	Semester 1 Fall			Semester 2 Spring			Total
	ENGL 1301	First Year Writing I*	3	ENGL 1302	First Year Writing II*	3	
	MATH 2413	Calculus I*	4	MATH 2414	Calculus II*	4	
	GEOL 1303	Physical Geology	3	PHYS 2325	University Physics I	3	
	GEOL 1103	GEOL Lab	1	CHEM 1312	Fundamentals of Chemistry 2*	3	
	CHEM 1311	Fundamentals of Chemistry 1*	3	CHEM 1112	Fundamentals of Chemistry 2 Lab	1	
	CHEM 1111	Fundamentals of Chemistry 1 Lab	1	ENGI 1331	Computing for Engineer	3	
	ENGI 1100	Introduction to Engineering	1				
Semester Hours			16	Semester Hours		17	33

YEAR 2	Semester 1 Fall			Semester 2 Spring			Total
	HIST 1301	The United States to 1877*	3	MECE 3400	Intro to Mechanics	4	
	MATH 2415	Calculus III	4	MATH 3321	Engineering Mathematics	3	
	PHYS 2326	University Physics II	3	INDE 2333	Statistics	3	
	PETR 1111	Intro to Petroleum Engr	1	MECE 2334	Intro to Thermodynamics	3	
	PETR 2311	Reservoir Petrophysics	3	PETR 2313	Reservoir Fluids	3	
	PETR 2111	Reservoir Petrophysics - Lab	1				
	Semester Hours			15	Semester Hours		16

YEAR 3	Semester 1 Fall			Semester 2 Spring			Total	
	PETR 3318	Drilling Engineering I	3	GOVT 2306	U.S. & TX Constitutions & Politics*	3		
	GEOL Elect	Geoscience Elective	3	HIST 1302	The United States Since 1877*	3		
	PETR 3315	Intro to Well Logging	3	ENGI 2304	Technical Communications*	3		
	PETR 3362	Reservoir Engineering I	3	PETR 3321	Petroleum Pressure Transient Testing	3		
	PETR 3363	Petroleum Fluid Mechanics	3	PETR 3372	Petroleum Production Operations	3		
	Semester Hours			15	Semester Hours		15	30

YEAR 4	Semester 1 Fall			Semester 2 Spring			Total
	GOVT 2305	U.S. Government*	3	CORE	Language, Philosophy & Culture*	3	
	CORE	Creative Arts*	3	PETR Elect	Petroleum Technical Elective #2	3	
	CORE	Social & Behavioral Sciences*	3	PETR Elect	Petroleum Technical Elective #3	3	
	PETR Elect	Petroleum Technical Elective #1	3	PETR 3310	Petroleum Production Economics	3	
	PETR 4301	Reservoir Characterization & Modeling	3	PETR 4312	Petroleum Capstone Project II	3	
	PETR 4311	Petroleum Capstone Project I	3				
	Semester Hours			18	Semester Hours		15
							127

*State of Texas Core Curriculum

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