

COLLEGE OF ENGINEERING

Bachelor of Science, Petroleum Engineering

Four-Year Academic Map 2023-2024

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*	3	CHEM 1112	Fundamentals of Chemistry Lab	1	
	CHEM 1111	Fundamentals of Chemistry 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	HIST 1302	The United States Since 1877*	3	
	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		15	30

YEAR 3	Semester 1 Fall			Semester 2 Spring			Total
	ENGI 2304	Technical Communications*	3	GOVT 2306	U.S. & TX Constitutions & Politics*	3	
	GEOL Elect	Geoscience Elective	3	PETR	Fluids Mechanics	3	
	PETR 3315	Intro to Well Logging	3	PETR 3318	Well Drilling & Completion I	3	
	PETR 3362	Reservoir Engineering I	3	PETR 3321	Pressure Transient Testing	3	
	MECE 3400	Intro to Mechanics	4	PETR 3372	Petroleum Production Operations	3	
	Semester Hours		16	Semester Hours		15	31

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 Character & Modeling	3	PETR 4312	Capstone SR. Project II	3	
	PETR 4311	Capstone SR. Project I	3				
Semester Hours		18	Semester Hours		15	33	
						127	

*State of Texas Core Curriculum

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