

Texas A&M University-Kingsville®

College of Engineering

Bachelor of Science, Natural Gas Engineering

Four-Year Academic Map 2019-2020

YEAR 1	Semester 1 Fall		Semester 2 Spring			
	CHEM 1311 & CHEM 1111 - Gen Inorganic Chemistry I & Lab I		CHEM 1312 & CHEM 1112 - Gen Inorganic Chemistry I & Lab I			
	ENGL 1301 - Rhetoric and Composition		ENGL 1302 - Rhetoric and Composition			
	HIST 1301 - American History to 1877		MATH 2414 - Calculus II			
	MATH 2413 - Calculus I		PHYS 2325 & PHYS 2125 - University Physics I & University Physics I Lab			
	UNIV 1201 - Learning in Global Context					
Semester Hours		16	Semester Hours	15	Total	31

YEAR 2	Semester 1 Fall		Semester 2 Spring			
	CHEM 3323 & CHEM 3123 - Organic Chem I & Organic Chem Lab I		GEOL 4307 & GEOL 4107 - Applied Geology and Applied Geology Lab			
	GEOL 1303 & GEOL 1103 - Physical Geology and Lab		MEEN 2355 - Statics and Dynamics			
	HIST 1302 - American History since 1877		PHYS 2326 & PHYS 2126 - University Physics II & University Physics II Lab			
	MATH 3320 - Differential Equations		POLS 2301 - Government and Politics of US			
	Language, Philosophy and Culture		Creative Arts			
Semester Hours		17	Semester Hours	17	Total	34

YEAR 3	Semester 1 Fall		Semester 2 Spring			
	CEEN 3311 - Strength of Materials		CHEN 3310 - Heat Transport Phenomena			
	CHEN 3347 - Chem Eng Thermodynamics I		CHEN 3321 - Process Simulation			
	NGEN 3322 - Funds of Reservoir Engineering		NGEN 3393 - Natural Gas Drilling Engineering			
	NGEN 3392 - Fluid Transport Phenomena		Communications			
	POLS 2302 - Government and Politics of TX		Elective			
Semester Hours		15	Semester Hours	14	Total	29

YEAR 4	Semester 1 Fall		Semester 2 Spring			
	CHEN 4389 - Mass Transport Phenomena		NGEN 4279 - Unit Operations Laboratory			
	NGEN 4375 - Natural Gas Distribution		NGEN 4383 - Natural Gas Processes			
	NGEN 4396 - Natural Gas Production		NGEN 4387 - Seismic Interp & Well-Logging			
	STAT 4303 - Statistical Methods		NGEN 4398 - Capstone Design Project			
	Social and Behavioral Sciences		NGEN 4478 - Hydrocarbon Measurement			
Semester Hours		15	Semester Hours	15	Total	30

*State of Texas Core Curriculum

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

