

Texas A&M University-Kingsville®

College of Engineering

Bachelor of Science, Mechanical Engineering

Four-Year Academic Map 2019-2020

YEAR 1	Semester 1 Fall	Semester 2 Spring			
	CHEM 1311 & CHEM 1111 - Gen Inorganic Chem I & Lab I	ENGL 1302 - Rhetoric and Composition			
	ENGL 1301 - Rhetoric and Composition	HIST 1302 - American History since 1877			
	HIST 1301 - American History to 1877	MATH 2414 - Calculus II			
	MATH 2413 - Calculus I	MEEN 1320 - Elem Numeric Methodology & Engineering Prob Solving			
	MEEN 1310 - Engineering Graphics I	PHYS 2325 & PHYS 2125 - University Physics I & University Physics I Lab			
	UNIV 1201 - Learning in Global Context				
Semester Hours	19	Semester Hours	17	Total	36

YEAR 2	Semester 1 Fall	Semester 2 Spring			
	CEEN 2301 - Mechanics I	CEEN 3311 - Strength of Materials			
	MATH 3320 - Differential Equations	MATH 3415 - Calculus III			
	PHYS 2326 & PHYS 2126 - University Physics II & Lab II	MEEN 2146 - Engineering Measurements			
	POLS 2301 - Government and Politics of US	MEEN 2302 - Mechanics II Dynamics			
	Creative Arts	MEEN 3344 & 3145 - Material Science & Material Science Lab			
		Communications			
Semester Hours	16	Semester Hours	18	Total	34

YEAR 3	Semester 1 Fall	Semester 2 Spring			
	MEEN 3347 - Thermodynamics	CEEN 3317 Engineering Economy			
	MEEN 3349 - Fundamentals of Mfg Processes	EEEN 3331 - Circuits and Electrmag Devices			
	MEEN 3352 - Kinematics of Machines	MEEN 3348 - Heat Transfer			
	MEEN 3392 - Fluid Mechanics	MEEN 3350 - Machine Design I			
	Language, Philosophy and Culture	MEEN 3360 - Engineering Design & Sim			
		MEEN 4341 - Application of Thermodynamics			
Semester Hours	15	Semester Hours	18	Total	33

YEAR 4	Semester 1 Fall	Semester 2 Spring			
	MEEN 4131 - Mechanical Engineering Lab	MEEN 4264 - Mech Eng Design Projects II			
	MEEN 4263 - Mechanical Engineering Design Project I	Social and Behavioral Sciences			
	MEEN 4344 - Control of Systems	Engineering Elective			
	MEEN 4351 - Machine Design II	Engineering Elective			
	POLS 2302 - Government and Politics of TX	MATH Elective			
	Engineering Elective				
Semester Hours	15	Semester Hours	14	Total	29

*State of Texas Core Curriculum

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

