Texas A&M University-Kingsville®

College of Engineering

Bachelor of Science, Electrical Engineering

Four-Year Academic Map 2019-2020

YEAR 1

Semester 1 Fall		Semester 2 Spring			
CHEM 1311 & CHEM 1111 - General Inorganic Chem I & Lab		EEEN 2340 - Digital Logic Design			
ENGL 1301 - Rhetoric and Composition		ENGL 1302 - Rhetoric and Composition			
MATH 2413 - Calculus I		MATH 2414 - Calculus II			
CSEN 2304 - Introduction to Computer Science		PHYS 2325 & PHYS 2125 - University Physics I & University Physics I Lab			
UNIV 1201 - Learning in Global Context		HIST 1301 - American History to 1877			
Semester Hours	16	Semester Hours	17	Total	33

YEAR 2

Semester 1 Fall		Semester 2 Spring			
EEEN 3449 - Microprocessor Systems		EEEN 2323 - Network Analysis I			
POLS 2301 - Government and Politics of US		POLS 2302 - Government and Politics of TX			
HIST 1301 - American History to 1877		Language, Philosophy and Culture			
MATH 3320 - Differential Equations		Communication			
PHYS 2326 & PHYS 2126 - University Physics II & Lab II		Creative arts			
Semester Hours	17	Semester Hours	15	Total	32

YEAR 3

Semester 1 Fall		Semester 2 Spring			
EEEN 3321 - Network Analysis II		CEEN 3317 - Engineering Economy			
EEEN 3325 - Electronics I		EEEN 3212 - Circuits and Electronics Lab			
EEEN 3334 - Random Signals		EEEN 3324 - Electromagnetics			
MATH 3415 - Calculus III		EEEN 3333 - Linear Systems and Signals			
Social and Behavioral Sciences		EEEN 4355 - Digital Systems Engineering			
		MATH 4341 - Linear Alg and Matrix Theory			
Semester Hours	16	Semester Hours	17	Total	33

YEAR 4

Semester 1 Fall		Semester 2 Spring			
EEEN 4252 - Advanced Laboratory		EEEN 4224 - Electrical & Computer Engineering Project Lab			
EEEN 4342 - Electronic II		EEEN 4329 - Communications Engineering			
EEEN 4354 - Linear Control Systems		Approved Elective			
EEEN 4422 - Electric Drives		Approved Elective			
Approved Elective		Approved Elective			
		Creative arts			
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.