

# Texas A&M University-Kingsville®

## College of Engineering

### Bachelor of Science, Civil Engineering

#### Four-Year Academic Map 2019-2020

YEAR 1	Semester 1 Fall	Semester 2 Spring			
	AEEN 1310 - Computer Graphics and Application	ENGL 1302 - Rhetoric and Composition			
	ENGL 1301 - Rhetoric and Composition	HIST 1301 - American History to 1877			
	MATH 2413 - Calculus I	MATH 2414 - Calculus II			
	PHYS 2325 & PHYS 2125 - University Physics I & Lab I	PHYS 2326 & PHYS 2126 - University Physics II & Lab II			
	UNIV 1201 - Learning in Global Context	Creative Arts			
Semester Hours	16	Semester Hours	17	Total	33

YEAR 2	Semester 1 Fall	Semester 2 Spring			
	CEEN 2113 - Surveying Lab	CEEN 3311 - Strength of Materials			
	CEEN 2212 - Surveying	MATH 3320 - Differential Equations			
	CEEN 2301 - Mechanics I	MEEN 2302 - Mechanics II Dynamics			
	CHEM 1311 & CHEM 1111 - Gen Inorganic Chemistry I & Lab I	Computer Elective			
	HIST 1302 - American History since 1877	Communications			
		Language, Philosophy and Culture			
Semester Hours	16	Semester Hours	18	Total	34

YEAR 3	Semester 1 Fall	Semester 2 Spring			
	CEEN 3143 - Geotechnical Eng Lab	CEEN 3244 & CEEN 3145 - Construction Materials & Lab			
	CEEN 3303 - Structural Analysis	CEEN 3167 - Hydraulics/Fluid Mechanics Lab			
	CEEN 3342 - Geotechnical Engineering	CEEN 3304 - Reinforced Concrete Design			
	CEEN 3392 - Hydraulic and Fluid Mechanics	CEEN 3365 - Environmental Engineering			
	STAT 4303 - Statistical Methods	Math and Science Elective			
Science Elective	Special Elective				
Semester Hours	16	Semester Hours	16	Total	32

YEAR 4	Semester 1 Fall	Semester 2 Spring			
	CEEN 3317 - Engineering Economy	CEEN 4289 - Design in Civil Engineering II			
	CEEN 4279 - Design in Civil Engineering I	CEEN 4359 - Principles of Transportation Engineering			
	CEEN 4316 - Structural Steel Design	Engineering Elective			
	CEEN 4362 - Hydrology	Engineering Elective			
	POLS 2302 - Government and Politics of TX	Social and Behavioral Sciences			
Engineering Elective					
Semester Hours	17	Semester Hours	14	Total	31

\*State of Texas Core Curriculum

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

