

Texas A&M University-Kingsville®
College of Engineering
Bachelor of Science, Computer Science with Teacher Cert
 Four-Year Academic Map 2019-2020

YEAR 1	Semester 1 Fall		Semester 2 Spring	
	CHEM 1311 & CHEM 1111 - Gen Inorg Chem I & Chem Lab I		CSEN 2306 - Object-Oriented Programming	
	CSEN 2304 - Intro to Computer Science		ENGL 1302 - Rhetoric and Composition	
	ENGL 1301 - Rhetoric and Composition		HIST 1301 - American History to 1877	
	MATH 2413 - Calculus I		MATH 2414 - Calculus II	
	UNIV 1201 - Learning in Global Context		Creative arts	
	Semester Hours		16	Semester Hours

YEAR 2	Semester 1 Fall		Semester 2 Spring	
	CSEN 2310 - Objt Oriented Software Enginrg		CSEN 2328 - Data Structures & Algorithms	
	HIST 1302 - American History since 1877		MATH 3370 - Discrete Mathematics	
	MATH 3320 - Differential Equations		PHYS 2326 & PHYS 2126 - Univ Physics II and University Physics II Lab	
	PHYS 2325 & PHYS 2125 - Univ Physics I and Univ Physics I Lab		POLS 2302 - Government and Politics of TX	
	POLS 2301 - Government and Politics of US		Lang/Phil/Culture	
	Semester Hours		16	Semester Hours

YEAR 3	Semester 1 Fall		Semester 2 Spring	
	CSEN 3315 - Computer Graphics		CSEN 3314 - Database Systems	
	EEEN 2340 - Digital Logic Design		CSEN 3316 - Software Engineering I	
	STAT 1342 - Elementary Statistics		EDED 3310 - Intro to Instructional Design	
	Communications		EEEN 3449 - Microprocessor Systems	
	Social/Behavioral		POLS 4324 - Technology and Society	
	Semester Hours		15	Semester Hours

YEAR 4	Semester 1 Fall		Semester 2 Spring	
	CSEN 4201 - Software Engineering Project		CSEN 4202 - Software Engineering Proj	
	CSEN 4317 - Software Engineering II		CSEN 4340 - Computer Security	
	CSEN 4320 - Computer Networks		CSEN 4362 - Operating Systems	
	EDED 3302 - Develop Behavr of Chl and Adol		CSEN 4366 - Programming Languages	
	EDED 3333 - Clsrm Mgt and Org in Mid Sch		EDED 3332 - Curr Mats Developmt and Plan	
	EEEN 4344 - Computer Architectr and Design		EDED 3362 - Instr Mthds and Strat Sec Sch	
		EDED 4623 - Sec Sch Student Teaching (CERTIFICATION SEMESTER)		
		EDRG 4314 - Develp Correct Rdg for Sec (CERTIFICATION SEMESTER)		
		EDSE 4349 - Foundations Special Educ (CERTIFICATION SEMESTER)		
Semester Hours		17	Semester Hours	17-29 Total 34-46

*State of Texas Core Curriculum
 Students should meet with their academic advisor to formulate their own plan.