

Texas A&M University-Kingsville®

College of Arts and Sciences

Bachelor of Science, Physics

Four-Year Academic Map 2019-2020

YEAR 1	Semester 1 Fall	Semester 2 Spring				
	ENGL 1301 - Rhetoric and Composition	ENGL 1302 - Rhetoric and Composition				
	HIST 1301 - American History to 1877	HIST 1302 - American History since 1877				
	MATH 2413 - Calculus I	MATH 2414 - Calculus II				
	PHYS 2325 & PHYS 2125 - Univ Physics I & Univ Physics I Lab	PHYS 2326 & PHYS 2126 - Univ Physics II and University Physics II Lab				
	UNIV 1201 - Learning in Global Context					
	Semester Hours	16	Semester Hours	14	Total	30

YEAR 2	Semester 1 Fall	Semester 2 Spring				
	MATH 3415 - Calculus III	CSEN 2304 - Intro to Computer Science				
	PHYS 3343 - Modern Physics I	MATH 3320 - Differential Equations				
	POLS 2301 - Government and Politics of US	POLS 2302 - Government and Politics of TX				
	Communications	Creative arts				
	Social/Behavioral	Lang/Phil/Culture				
	Semester Hours	16	Semester Hours	15	Total	31

YEAR 3	Semester 1 Fall	Semester 2 Spring				
	PHYS 3313 - Mechanics I	PHYS 3310 - Advanced Physics Laboratory				
	PHYS 4303 - Math Methods for Physicists	PHYS 3323 - Electromagnetic Field Theory				
	Elective	Elective				
	Elective	Minor				
	Minor	Minor				
	Semester Hours	15	Semester Hours	15	Total	30

YEAR 4	Semester 1 Fall	Semester 2 Spring				
	PHYS 3333 - Thermodynamics	PHYS 4192 - Physics Research Seminar				
	PHYS 4191 - Physics Research Project	PHYS 4360 - Nuclear Physics				
	PHYS 4353 - Quantum Physics	Minor, advanced				
	Elective	Minor, advanced				
	Minor	PHYS, advanced				
	Semester Hours	16	Semester Hours	13	Total	29

*State of Texas Core Curriculum

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

