

Texas A&M University-Kingsville®

College of Arts and Sciences

Bachelor of Science, Biomedical Sciences Pre-Professional

Four-Year Academic Map 2019-2020

YEAR 1	Semester 1 Fall		Semester 2 Spring			
	BIOL 1306 & BIOL 1106 - Gen Biology I & Gen Biology Lab I		BIOL 1307 & BIOL 1107 - General Biology II & General Biology Lab II			
	CHEM 1311 & CHEM 1111 - Gen Inorg Chem I & Gen I Chem Lab I		CHEM 1312 & CHEM 1112 - Gen Inorg Chem II & Gen Inorganic Chem Lab II			
	ENGL 1301 - Rhetoric and Composition		ENGL 1302 - Rhetoric and Composition			
	MATH 2413 - Calculus I		Creative arts			
	UNIV 1201 - Learning in Global Context					
	Semester Hours	17	Semester Hours	14	Total	31
YEAR 2	Semester 1 Fall		Semester 2 Spring			
	BIOL 2421 - Elementary Microbiology		HIST 1302 - American History since 1877			
	HIST 1301 - American History to 1877		PHYS 1302 & PHYS 1102 - College Physics II & College Physics II Lab			
	PHYS 1301 & PHYS 1101 - College Physics I & Coll Physics I Lab		POLS 2302 - Government and Politics of TX			
	POLS 2301 - Government and Politics of US		Lang/Phil/Culture			
	Communications		Social/Behavioral			
	Semester Hours	17	Semester Hours	16	Total	33
YEAR 3	Semester 1 Fall		Semester 2 Spring			
	BIOL 3402 - Genetics		BIOL 4401 - Molecular Biology			
	BIOL 3408 - Animal Physiology		CHEM 3325 & CHEM 3125 - Organic Chemistry II & Organic Chemistry Lab II			
	CHEM 3323 & CHEM 3123 - Organic Chem I & Organic Chem Lab I		STAT 4301 - Biostatistics			
	Minor or elective		Minor or elective			
	Semester Hours	15	Semester Hours	14	Total	29
YEAR 4	Semester 1 Fall		Semester 2 Spring			
	BIOL 4426 - Cellular Physiology		BIOL 4335 - Molecular Genetics			
	BIOL 4102 - Seminar (WI)		BIOL, advanced			
	BIOL, advanced		Electives, advanced			
	Electives, advanced		Minor, advanced			
	Minor, advanced					
	Semester Hours	15	Semester Hours	12	Total	27

*State of Texas Core Curriculum

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