

# Texas A&M University-Kingsville®

## College of Arts and Science

### Bachelor of Science, Chemistry - Pre-Health, Minor in Biology

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

YEAR 1	Semester 1 Fall		Semester 2 Spring	
	BIOL 1306 & BIOL 1106 - General Bio I and General Bio Laboratory		ENGL 1302 - Rhetoric and Composition	
	CHEM 1311 & CHEM 1111 - Gen Inorg Chem I & Gen Chem Lab I		CHEM 1312 & CHEM 1112 - Gen Inorg Chem II & Gen Inorganic Chem Lab II	
	ENGL 1301 - Rhetoric and Composition		MATH 2413 - Calculus I	
	MATH 1348 - Analytic Geometry		Communications	
	UNIV 1201 - Learning in Global Context			
	Semester Hours	16	Semester Hours	14
YEAR 2	Semester 1 Fall		Semester 2 Spring	
	BIOL 1307 & BIOL 1107 - Gen Bio II and General Biology Lab II		CHEM 3181 - Chemical Literature	
	CHEM 3323 & CHEM 3123 - Org Chem I & Organic Chemistry Lab I		CHEM 3325 & CHEM 3125 - Org Chemistry II & Organic Chemistry Lab II	
	PHYS 1301 & PHYS 1101 - College Physics I & Coll Physics I Lab		HIST 1301 - American History to 1877	
	POLS 2301 - Government and Politics of US		PHYS 1302 & PHYS 1102 - College Physics II and College Physics II Lab	
			POLS 2302 - Government and Politics of TX	
	Semester Hours	15	Semester Hours	15
YEAR 3	Semester 1 Fall		Semester 2 Spring	
	CHEM 2401 Inorg Quantitative Analysis		BIOL 2421 Elementary Microbiology	
	CHEM 3331 Physical Chemistry I		BIOL 3402 Genetics	
	CHEM 3385 Undergraduate Research		CHEM 4345 Principles of Biochemistry	
	HIST 1302 American History since 1877		STAT 4301 Biostatistics	
	Lang/Phil/Culture		Elective	
	Semester Hours	16	Semester Hours	15
YEAR 4	Semester 1 Fall		Semester 2 Spring	
	CHEM 4131 Physical Chem Measurements I		CHEM 4181 Chemical Seminar	
	CHEM 4341 Biochemistry I		CHEM 4401 Mod Meth of Instrumental Anal	
	Creative arts		BIOL, advanced	
	Social/Behavioral		Elective	
	BIOL, advanced		Elective, advanced	
	Semester Hours	14	Semester Hours	15

\*State of Texas Core Curriculum

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