

# Texas A&M University-Kingsville®

## College of Arts and Sciences

### Bachelor of Science, Chemistry- Certified by ACS

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

YEAR 1	Semester 1 Fall	Semester 2 Spring			
	BIOL 1306 - General Biology I	CHEM 1312 & CHEM 1112 - Gen Inorg Chem II & Gen Inorg Chem Lab II			
	CHEM 1311 & CHEM 1111 - Gen Inorg Chem I & Gen Chem Lab I	ENGL 1302 - Rhetoric and Composition			
	ENGL 1301 - Rhetoric and Composition	MATH 2413 - Calculus I			
	MATH 1348 - Analytic Geometry	Communications			
	UNIV 1201 - Learning in Global Context				
Semester Hours	15	Semester Hours	14	Total	29

YEAR 2	Semester 1 Fall	Semester 2 Spring			
	CHEM 3323 & CHEM 3123 - Organic Chem I & Organic Chem Lab I	CHEM 3181 - Chemical Literature			
	MATH 2414 - Calculus II	CHEM 3325 & CHEM 3125 - Organic Chem II & Organic Chemistry Lab II			
	PHYS 2325 & PHYS 2125 - Univ Physics I & Univ Physics I Lab	ENGL 2314 - Technical Writing			
	POLS 2301 - Government and Politics of US	PHYS 2326 & PHYS 2126 - University Physics II & University Physics II Lab			
		POLS 2302 - Government and Politics of TX			
Semester Hours	15	Semester Hours	15	Total	30

YEAR 3	Semester 1 Fall	Semester 2 Spring			
	CHEM 2401 - Inorg Quantitative Analysis	CHEM 3332 - Physical Chemistry II			
	CHEM 3331 - Physical Chemistry I	CHEM 4421 - Advanced Chemical Synthesis			
	HIST 1301 - American History to 1877	HIST 1302 - American History since 1877			
	Creative arts	Lang/Phil/Culture			
	Elective, advanced	Minor			
Semester Hours	16	Semester Hours	16	Total	32

YEAR 4	Semester 1 Fall	Semester 2 Spring			
	CHEM 4111 - Advanced Inorganic Chemistry Lab	CHEM 4132 - Physical Chem Measurements II			
	CHEM 4131 - Physical Chem Measurements I	CHEM 4181 - Chemical Seminar			
	CHEM 4311 - Advanced Inorganic Chemistry	CHEM 4401 - Mod Meth of Instrumental Anal			
	CHEM 4341 - Biochemistry I	Elective, advanced			
	Social/Behavioral	Elective, advanced			
Minor, advanced	Minor, advanced				
Semester Hours	14	Semester Hours	15	Total	29

\*State of Texas Core Curriculum

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

