

# Texas A&M University-Kingsville®

## College of Arts and Sciences

### Bachelor of Science, Biochemistry - Minor in Biology

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

<b>YEAR 1</b>	<b>Semester 1 Fall</b>		<b>Semester 2 Spring</b>			
	BIOL 1306 & BIOL 1106 - General Bio I & General Biology Lab I		CHEM 1312 & CHEM 1112 - Gen Inorg Chemistry II & Gen 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 2414 - Calculus II			
	MATH 2413 - Calculus I		Communications			
	UNIV 1201 - Learning in Global Context					
Semester Hours		17	Semester Hours	14	Total	31

<b>YEAR 2</b>	<b>Semester 1 Fall</b>		<b>Semester 2 Spring</b>			
	BIOL 1307 & BIOL 1107 - Gen Bio II & General Biology Lab II		CHEM 3181 - Chemical Literature			
	CHEM 3323 & CHEM 3123 - Org Chemistry I Org Chemistry Lab I		CHEM 3325 & CHEM 3125 - Organic Chem II and Organic Chemistry Lab II			
	PHYS 2325 & PHYS 2125 - University Phy I & University Phy I Lab		HIST 1301 - American History to 1877			
	POLS 2301 - Government and Politics of US		PHYS 2326 & PHYS 2126 - Univ Physics II & University Physics II Lab			
			POLS 2302 - Government and Politics of TX			
Semester Hours		15	Semester Hours	15	Total	30

<b>YEAR 3</b>	<b>Semester 1 Fall</b>		<b>Semester 2 Spring</b>			
	CHEM 2401 - Inorg Quantitative Analysis		BIOL 2421 - Elementary Microbiology			
	CHEM 3331 - Physical Chemistry I		CHEM 3332 - Physical Chemistry II			
	CHEM 4341 - Biochemistry I		CHEM 4342 - Biochemistry II			
	HIST 1302 - American History since 1877		STAT 4301 - Biostatistics			
	Lang/Phil/Culture					
Semester Hours		16	Semester Hours	13	Total	29

<b>YEAR 4</b>	<b>Semester 1 Fall</b>		<b>Semester 2 Spring</b>			
	BIOL 3402 - Genetics		BIOL 4426 - Cellular Physiology			
	CHEM 4111 - Adv Inorganic Chemistry Lab		CHEM 4132 - Physical Chem Measurements II			
	CHEM 4131 - Physical Chem Measurements I		CHEM 4181 - Chemical Seminar			
	CHEM 4311 - Advance Inorganic Chemistry		CHEM 4401 - Mod Meth of Instrumental Anal			
	Creative arts		BIOL, advanced			
Social/Behavioral		Elective, advanced				
Semester Hours		15	Semester Hours	15	Total	30

\*State of Texas Core Curriculum

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

