



# COLLEGE OF NATURAL SCIENCES & MATHEMATICS

## Bachelor of Arts, Biochemical & Biophysical Sciences

### Four-Year Academic Map 2019-2020

YEAR 1	Semester 1 Fall			Semester 2 Spring			Total	
	ENGL 1303	First Year Writing I	3	ENGL 1304	First Year Writing II	3		
	CHEM 1331	Fundamentals of Chemistry I	3	CHEM 1332	Fundamentals of Chemistry II	3		
	CHEM 1111	Fundamentals of Chemistry I Lab	1	CHEM 1112	Fundamentals of Chemistry II Lab	1		
	MATH 1431	Calculus I	4	MATH 1432	Calculus II	4		
	BIOL 1361	Introduction to Biological Science	3	BIOL 1362	Introduction to Biological Science	3		
	BIOL 1161	Intro to Biological Science Lab	1	BIOL 1162	Intro to Biological Science Lab	1		
	Semester Hours			15	Semester Hours			15

YEAR 2	Semester 1			Semester 2			Total	
		Foreign Language (2000-level)	3		Foreign Language (2000-level)	3		
	CHEM 3331	Fundamentals of Organic Chemistry I	3	CHEM 3332	Fundamentals of Organic Chem. II	3		
	CHEM 3221	Funds of Organic Chem. I Lab	2	CHEM 3222	Funds of Organic Chem. II Lab	2		
	MATH 2433	Calculus III <b>OR</b>	3-4	BCBS 3304	General Biochemistry I	3		
	MATH 3338	Probability <b>OR</b>		BCBS 3201	Biochemistry I Laboratory	2		
	MATH 3339	Statistics for the Sciences		CORE	Creative Arts	3		
	BIOL 3301	Genetics	3					
Semester Hours			14-15	Semester Hours			16	30-31

YEAR 3	Semester 1			Semester 2			Total	
	PHYS 1301	Introductory General Physics I	3	PHYS 1102	General Physics Laboratory II	1		
	PHYS 1101	General Physics Laboratory I	1	PHYS 1302	Intro General Physics II	3		
	BCBS 3305	General Biochemistry II	3	POLS 1337	US Govt: Congress, Prest, & Courts	3		
	POLS 1336	US & Texas Constitutions & Politics	3	HIST 1378	The United States Since 1877	3		
	HIST 1377	The United States to 1877	3	Elective	Approved Advanced Biochemical & Biophysical Sci. Elec	3		
	CORE	Social & Behavioral Sciences	3					
	Semester Hours			16	Semester Hours			13

YEAR 4	Semester 1			Semester 2			Total		
	CHEM 4373	Survey of Physical Chemistry <b>OR</b>	3	BCBS 4304	Biophysics	3			
	CHEM 4370	Physical Chemistry I		BCBS 4311	Biochemistry Laboratory II	3			
	BCBS 4306	Nucleic Acids	3	Elective	NSM Capstone or Electives	4			
	Elective	NSM Capstone or Elective	6	BCBS 4307	Proteins	3			
	Elective	Approved Advanced Biochemical and Biophysical Sciences Electives	3	CORE	Language, Philosophy & Culture	3			
	Semester Hours			15	Semester Hours			15	30
								120	

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