

COLLEGE OF NATURAL SCIENCES & MATHEMATICS

Bachelor of Arts, Biochemical & Biophysical Sciences

Four-Year Academic Map 2020-2021

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	30

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 OR	3-4	BCBS 3304	General Biochemistry I	3	
	MATH 3338	Probability OR		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	29

YEAR 4	Semester 1			Semester 2			Total
	CHEM 4373	Survey of Physical Chemistry OR	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	3	BCBS 4307	Proteins	3	
	Elective	Approved Advanced Biochemical and Biophysical Sciences Electives	6	CORE	Language, Philosophy & Culture	3	
	Semester Hours		15	Semester Hours		16	30
							120

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