

COLLEGE OF NATURAL SCIENCES & MATHEMATICS

Bachelor of Arts, Biochemical & Biophysical Sciences

Four- Year Academic Map 2025-2026

YEAR 1	Semester 1 Fall			Semester 2 Spring			Total
	ENGL 1301	First Year Writing I	3	ENGL 1302	First Year Writing II	3	
	CHEM 1311	Fundamentals of Chemistry I	3	CHEM 1312	Fundamentals of Chemistry II	3	
	CHEM 1111	Fundamentals of Chemistry I Lab	1	CHEM 1112	Fundamentals of Chemistry II Lab	1	
	MATH 2413	Calculus I	4	MATH 2414	Calculus II	4	
	BIOL 1306	Biology for Science Majors I	3	BIOL 1307	Biology for Science Majors II	3	
	BIOL 1106	Biology for Science Majors I Lab	1	BIOL 1107	Biology for Science Majors II 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 2323	Fundamentals of Organic Chemistry I	3	CHEM 2325	Fundamentals of Organic Chemistry II	3	
	CHEM 2123	Fundamentals of Organic Chemistry I Lab	1	CHEM 2125	Fundamentals of Organic Chemistry II Lab	1	
	MATH 2415	Calculus III OR	3-4	BCHS 3304	General Biochemistry I	3	
	MATH 3338	Probability OR		BCHS 3201	Biochemistry I Lab	2	
	MATH 3339	Statistics for the Sciences		CORE	Creative Arts	3	
	BIOL 3301	Mendelian and Population Genetics	3				
	Semester Hours		13-14	Semester Hours		15	28-29

YEAR 3	Semester 1			Semester 2			Total
	PHYS 1301	College Physics I	3	PHYS 1302	College Physics II	1	
	PHYS 1101	College Physics I Lab	1	PHYS 1102	College Physics II Lab	3	
	BCHS 3305	General Biochemistry II	3	GOVT 2305	US Govt: Congress, Prest, & Courts	3	
	GOVT 2306	US & Texas Constitutions & Politics	3	CORE	American History	3	
	CORE	American History	3	Elective	Approved Advanced Biochemical & Biophysical Sci. Elec	6	
	CORE	Social & Behavioral Sciences	3				
	Semester Hours		16	Semester Hours		16	32

YEAR 4	Semester 1			Semester 2			Total
	CHEM 4373	Survey of Physical Chemistry OR	3	BCHS 4304	Biophysics	3	
	CHEM 4370	Physical Chemistry I		BCHS 4311	Biochemistry II Lab	3	
	BCHS 4306	Nucleic Acids	3	Elective	NSM Capstone or Electives	3-4	
	Elective	NSM Capstone or Elective	6	BCHS 4307	Proteins	3	
	Elective	Approved Advanced Biochemical and Biophysical Sciences Electives	3	CORE	Language, Philosophy & Culture	3	
	Semester Hours		15	Semester Hours		16-17	29-30
							120

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