

# COLLEGE OF NATURAL SCIENCES & MATHEMATICS

## Bachelor of Science, Mathematical Biology

### Four-Year Academic Map 2024-2025

YEAR 1	Semester 1 Fall			Semester 2 Spring			Total	
	BIOL 1106	Biology for Science Majors I Lab	1	BIOL 1107	Biology for Science Majors II Lab	1		
	BIOL 1306	Biology for Science Majors I	3	BIOL 1307	Biology for Science Majors II	3		
	CHEM 1111	Fundamentals of Chemistry I Lab	1	CHEM 1112	Fundamentals of Chemistry II Lab	1		
	CHEM 1311	Fundamentals of Chemistry I	3	CHEM 1312	Fundamentals of Chemistry II	3		
	MATH 2413	Calculus I	4	MATH 2414	Calculus II	4		
	ENGL 1301	First-Year Writing I	3	ENGL 1302	First-Year Writing II	3		
	Semester Hours			15	Semester Hours			15

YEAR 2	Semester 1 Fall			Semester 2 Spring			Total	
	BIOL 3301	Mendelian and Population Genetics	3	BIOL 3311	Adv. Methods and Writing in Genetics Lab	3		
	CHEM 2123	Organic Chemistry I Lab	1	MATH 2318	Linear Algebra	3		
	CHEM 2323	Organic Chemistry I	3	MATH 3339	Statistics for the Sciences	3		
	MATH 2415	Calculus III	4	CORE	Creative Arts	3		
	CORE	Social & Behavioral Sciences	3	GOVT 2306	US/TX Constitutions and Politics	3		
	Semester Hours			14	Semester Hours			15

YEAR 3	Semester 1			Semester 2			Total	
	BCHS 3304	General Biochemistry I	3	BIOL 3324	Human Physiology	3		
	BIOL 3306	Evolutionary Biology	3	MATH 3338	Probability	3		
	MATH 3331	Differential Equations	3	CORE	US History	3		
	PHYS 2125	University Physics I Lab	1	PHYS 2126	University Physics II Lab	1		
	PHYS 2325	University Physics I	3	PHYS 2326	University Physics II	3		
	CORE	US History	3		Free Elective	3		
Semester Hours			16	Semester Hours			16	32

YEAR 4	Semester 1 Fall			Semester 2 Spring			Total	
	BIOL 4374	Cell Biology	3	BIOL/MATH 4309	Mathematical Biology	3		
	BIOL/MATH 4310	Biostatistics	3	MATH 43XX	4000-level MATH Elective	3		
	CORE	Language, Philosophy & Culture	3	GOVT 2305	US Govt: Congress, President & Courts	3		
		Free Electives	6		Free Electives	5		
Semester Hours			15	Semester Hours			14	29
							120	

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