

# COLLEGE OF NATURAL SCIENCES & MATHEMATICS

## Bachelor of Science, Mathematical Biology

### Four-Year Academic Map 2022-2023

YEAR 1	Semester 1 Fall			Semester 2 Spring			Total	
	BIOL 1106	Introduction to Biological Science I Lab	1	BIOL 1107	Introduction to Biological Science II Lab	1		
	BIOL 1306	Introduction to Biological Science I	3	BIOL 1307	Introduction to Biological Science II	3		
	CHEM 1111	Fundamentals of Chemistry Lab	1	CHEM 1112	Fundamentals of Chemistry Lab	1		
	CHEM 1311	Fundamentals of Chemistry	3	CHEM 1312	Fundamentals of Chemistry	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			Semester 2			Total	
	BIOL 3301	Mendelian and Population Genetics	3	BIOL 3311	Advanced Methods and Writing in Genetics Lab	3		
	CHEM 2123	Fund. of Organic Chemistry Lab	2	MATH 2318	Linear Algebra	3		
	CHEM 2323	Fundamentals of Organic Chemistry	3	Elective	Approved Electives	6		
	MATH 2415	Calculus III	4	CORE	Creative Arts	3		
	CORE	Social & Behavioral Sciences	3					
	Semester Hours			15	Semester Hours			15

YEAR 3	Semester 1			Semester 2			Total	
	BCHS 3304	General Biochemistry	3	BIOL 3324	Human Physiology	3		
	BIOL 3306	Evolutionary Biology	3	MATH 3338	Probability	3		
	MATH 3331	Differential Equations	3	MATH 3339	Statistics for the Sciences	3		
	PHYS 2125	Physics Laboratory I	1	PHYS 2126	Physics Laboratory I	1		
	PHYS 2325	University Physics I	3	PHYS 2326	University Physics I	3		
	CORE	American History	3	CORE	American History	3		
	Semester Hours			16	Semester Hours			16

YEAR 4	Semester 1			Semester 2			Total	
	BIOL 4374	Cell Biology	3	Elective	Approved Electives	7		
	MATH	4000-level MATH Elective	3	GOVT 2305	US Govt: Congress, President & Courts	3		
	GOVT 2306	US/TX Constitutions and Politics	3	BIOL 4309 or MATH 4309	Mathematical Biology	3		
	CORE	Language, Philosophy & Culture	3					
	BIOL 4310 Or MATH 4310	Biostatistics	3					
	Semester Hours			15	Semester Hours			13
							120	

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