



# COLLEGE OF NATURAL SCIENCES & MATHEMATICS

Bachelor of Science, Biology  
 Four-Year Academic Map 2024-2025

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	Intro to Biological Science I	3	BIOL 1307	Intro to Biological Science II	3		
	BIOL 1106	Intro to Biological Science I Lab	1	BIOL 1107	Intro to Biological Science II Lab	1		
	Semester Hours			15	Semester Hours			15

YEAR 2	Semester 1			Semester 2			Total	
	CHEM 2323	Fundamentals of Organic Chemistry I	3	Elective	NSM Capstone or Electives	6		
	CHEM 2123	Fundamentals of Organic Chemistry I Lab	1	BCHS 3304	General Biochemistry I	3		
	BIOL 3301	Mendelian and Population Genetics	3	BIOL 3306	Evolutionary Biology	3		
	Elective	Approved Biology Elective	3	CORE	American History	3		
	MATH 2415	Calculus III <b>OR</b>	} 3-4					
	MATH 3338	Probability <b>OR</b>						
	MATH 3339	Statistics for the Sciences						
Semester Hours			13-14	Semester Hours			15	29-30

YEAR 3	Semester 1			Semester 2			Total	
	CORE	American History	3	Elective	Approved Advanced Biology Elective	3		
	BIOL 4206	Ecology and Evolution Lab	} 2	PHYS 1302	College Physics II	3		
	BIOL 4272	Cellular & Developmental Bio Lab		} 1	PHYS 1102	College Physics II Lab	1	
	BIOL 3224	Human Physiology Lab						
	BCHS 3201	Biochemistry I Lab						
	BIOL 4374	Cell Biology	3	GOVT 2305	US Govt: Congress, President & Courts	3		
	GOVT 2306	US & Texas Constitutions & Politics	3	CORE	Social & Behavioral Sciences	3		
	PHYS 1301	College Physics I	3	Elective	NSM Capstone or Elective	3		
	PHYS 1101	College Physics I Lab	1					
Semester Hours			15	Semester Hours			16	31

YEAR 4	Semester 1			Semester 2			Total	
	BIOL 3311	Advanced Methods and Writing in Genetics Lab	3	BIOL 4103	Integration of Biological Knowledge	1		
	Elective	Approved Advanced Biology Elective	3	Elective	Approved Advanced Biology Elective	3		
	Elective	NSM Capstone or Electives	6-7	Elective	NSM Capstone or Electives	7		
	CORE	Language, Philosophy & Culture	3	CORE	Creative Arts	3		
	Semester Hours			15-16	Semester Hours			14
							120	

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

Updated April 3, 2024