

COLLEGE OF NATURAL SCIENCES & MATHEMATICS

Bachelor of Arts, 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	30	

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 Population Genetics	3		BIOL 3306	Evolutionary Biology	3		
	Elective	Approved Biology Elective	3		CORE	American History	3		
	MATH 2415	Calculus III OR	} 3-4						
	MATH 3338	Probability OR							
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	OR	PHYS 1302	College Physics II	3			
	BIOL 4272	Cellular & Developmental Bio Lab			OR	PHYS 1102	College Physics Lab	1		
	BIOL 3224	Human Physiology Lab				OR				
	BCHS 3201	Biochemistry I Lab								
	BIOL 4374	Cell Biology	3		GOVT 2305	US Govt: Congress, Pres, & 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 & Writing in Genetics Lab	3		BIOL 4103	Integration of Biological Knowledge	1		
	Elective	Approved Advanced Biology Electives	3		Elective	Approved Advanced Biology Elective	3		
	Elective	NSM Capstone or Electives	7		Elective	NSM Capstone or Electives	7		
	CORE	Language, Philosophy & Culture	3		CORE	Creative Arts	3		
		Foreign Language (2000-Level)				Foreign Language (2000-level)			
Semester Hours			15-16	Semester Hours			14	29-30	
								120	

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