

# COLLEGE OF NATURAL SCIENCES & MATHEMATICS

## Bachelor of Science, Biology Four-Year Academic Map 2022-2023

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	Introduction to Biological Science I	3	BIOL 1307	Introduction 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 Chem I Lab	2	BCHS 3304	General Biochemistry I	3	
	BIOL 3301	Mendelian and Population Genetics	3	BIOL 3306	Evolutionary Biology	3	
	Elective	Approved Advanced Biology Elective	3	HIST 1377	The United States to 1877	3	
	MATH 2415	Calculus III <b>OR</b>	} 3-4				
	MATH 3338	Probability <b>OR</b>					
MATH 3339	Statistics for the Sciences						
Semester Hours		14-15	Semester Hours		15	29-30	

YEAR 3	Semester 1			Semester 2			Total
	HIST 1378	The United States Since 1877	3	Elective	Approved Advanced Biology Elective	3	
	BIOL 4206	Ecology and Evolution Laboratory <b>OR</b>	} 2	PHYS 1302	Introductory General Physics II	3	
	BIOL 4272	Cellular & Developmental Bio Lab <b>OR</b>		PHYS 1102	General Physics Laboratory II	1	
	BCHS 3201	Biochemistry Laboratory I					
	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	Introductory General Physics I	3	Elective	NSM Capstone or Elective	3	
	PHYS 1101	General Physics Laboratory I	1				
Semester Hours		15	Semester Hours		16	31	

YEAR 4	Semester 1			Semester 2			Total
	BIOL 3311	Advanced Methods and Writing in Genetics Laboratory	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	6-7	Elective	NSM Capstone or Electives	7	
	CORE	Language, Philosophy & Culture	3	CORE	Creative Arts	3	
	Semester Hours		15-16	Semester Hours		14	29-30
						120	

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

Updated July 24, 2017