

# COLLEGE OF NATURAL SCIENCES & MATHEMATICS

## Bachelor of Science, Chemistry

### 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 1	4	MATH 2414	Calculus II	4		
	CORE	American History	3	CORE	American History	3		
	CORE	Social & Behavioral Sciences	3					
Semester Hours			17	Semester Hours			14	31

YEAR 2	Semester 1 Fall			Semester 2 Spring			Total	
	CHEM 2323	Organic Chemistry I	3	CORE	Writing in the Disciplines	3		
	CHEM 2123	Organic Chemistry I Lab	1	CHEM 2125	Organic Chemistry II Lab	1		
	PHYS 2325	University Physics I	3	CHEM 2325	Organic Chemistry II	3		
	PHYS 2125	University Physics I Lab	1	PHYS 2126	University Physics II Lab	1		
	MATH 2415	Calculus III	4	PHYS 2326	University Physics II	3		
	CORE	Creative Arts	3	MATH 3321	Engineering Mathematics	3		
Semester Hours			15	Semester Hours			14	29

YEAR 3	Semester 1 Fall			Semester 2 Spring			Total	
	CHEM 4372	Physical Chemistry II	3	CHEM 4370	Physical Chemistry I	3		
	CHEM 4272	Physical Chemistry II Lab	2	CHEM 4270	Physical Chemistry I Lab	2		
	GOVT 2306	U.S. & Texas Constitutions & Politics	3	GOVT 2305	U.S. Govt: Congress, Pres, & Courts	3		
	CHEM 3333	Inorganic Chemistry I	3	CHEM 3119	Analytical Chemistry I Lab	1		
	CHEM 3133	Inorganic Chemistry I Lab	1	CHEM 3369	Analytical Chemistry I	3		
		Natural Sciences Approved Course	3		NSM Capstone or Elective	3		
Semester Hours			15	Semester Hours			15	30

YEAR 4	Semester 1 Fall			Semester 2 Spring			Total	
	CHEM 4369	Analytical Chemistry II	3	Elective	Advanced Approved Chemistry Elective	3		
	CHEM 4229	Analytical Chemistry II Lab	2	CHEM 4336	Fundamental Biochemistry	3		
		NSM Capstone or Elective	3		Natural Sciences Approved Course	3		
	CHEM 4365	Inorganic Chemistry II	4		NSM Capstone or Elective	6		
	CHEM 4115	Inorganic Chemistry II Lab						
	CORE	Language, Philosophy and Culture	3					
Semester Hours			15	Semester Hours			15	30
							120	

\*State of Texas Core Curriculum

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