

COLLEGE OF NATURAL SCIENCES & MATHEMATICS

Bachelor of Arts, 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			Semester 2			Total	
	CHEM 2323	Organic Chemistry I	3	CHEM 2325	Organic Chemistry II	3		
	CHEM 2123	Organic Chemistry I Lab	1	CHEM 2125	Organic Chemistry II Lab	1		
	MATH 2415	Calculus III	4	MATH 3321	Engineering Mathematics	3		
	PHYS 2325	University Physics I	3	PHYS 2326	University Physics II	3		
	CORE	Writing in the Discipline	3	PHYS 2125	University Physics I Lab	1		
				Elective	Advanced Elective	3		
Semester Hours			14	Semester Hours			14	28

YEAR 3	Semester 1			Semester 2			Total	
	CHEM 4370	Physical Chemistry I OR	3	CHEM 3369	Analytical Chemistry I	3		
	CHEM 4372	Physical Chemistry II		CHEM 3119	Analytical Chemistry I Lab	1		
	PHYS 2126	University Physics II Lab	1	GOVT 2305	U.S. Govt: Congress, Pres, Courts	3		
	GOVT 2306	U.S. & Texas Constitution & Politics	3	CORE	Language, Philosophy & Culture	3		
	CORE	Creative Arts	3		NSM Capstone or Advanced Elective	3		
		Foreign Language (2000-level)	3		Foreign Language (2000-level)	3		
Semester Hours			13	Semester Hours			16	29

YEAR	Semester 1			Semester 2			Total	
	Elective	Approved Advanced Chemistry Electives	6	Elective	Approved Advanced Chemistry Electives	5		
		NSM Capstone or Elective	10		NSM Capstone or Elective	11		
	Semester Hours			16	Semester Hours			16
							120	

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