

# COLLEGE OF NATURAL SCIENCES & MATHEMATICS

## Bachelor of Science, Chemistry

### Four-Year Academic Map 2017-2018

YEAR 1	Semester 1 Fall			Semester 2 Spring			Total	
	ENGL 1303	First Year Writing I	3	ENGL 1304	First Year Writing II	3		
	CHEM 1331	Fundamentals of Chemistry I	3	CHEM 1332	Fundamentals of Chemistry II	3		
	CHEM 1111	Fundamentals of Chemistry I Lab	1	CHEM 1112	Fundamentals of Chemistry II Lab	1		
	MATH 1431	Calculus 1	4	MATH 1432	Calculus II	4		
	HIST 1377	The United States to 1877	3	HIST 1377	The United States Since 1877	3		
	CORE	Social & Behavioral Sciences	3					
	Semester Hours		17	Semester Hours		14		31

YEAR 2	Semester 1			Semester 2			Total	
	CHEM 3331	Fundamentals of Organic Chemistry I	3	CHEM 2233	Inorganic Chemistry	2		
	CHEM 3221	Fundamentals of Organic Chem I Lab	2	CHEM 2133	Inorganic Chemistry Laboratory	1		
	PHYS 1321	University Physics I	3	CHEM 3222	Fundamentals of Organic Chem II	3		
	PHYS 1121	University Physics Lab I	1	CHEM 3332	Funds of Organic Chem II Lab	2		
	MATH 2433	Calculus III	4	PHYS 1322	University Physics II	3		
	CORE	Writing in the Discipline	3	MATH 3321	Engineering Mathematics	3		
	Semester Hours		16	Semester Hours		14		30

YEAR 3	Semester 1			Semester 2			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		
	POLS 1336	U.S. & Texas Constitutions & Politics	3	POLS 1337	U.S. Govt: Congress, Pres, & Courts	3		
				PHYS 1122	PHYSICS II Lab	1		
	CHEM 3369	Analytical Chemistry	3		Natural Sciences approved Course	3		
	CHEM 3119	Analytical Chemistry Lab	1		NSM Capstone or Elective	3		
	CORE	Creative Arts	3					
Semester Hours		15	Semester Hours		15	30		

YEAR 4	Semester 1			Semester 2			Total	
	CHEM 4369	Instrumental Methods of Analysis	3	CHEM 4365	Inorganic Chemistry II	3		
	CHEM 4229	Instrumental Methods of Analysis Lab	2	CHEM 4115	Inorganic Chemistry Laboratory	1		
	ELECTIVE	Advanced Approved Chemistry Elective	3	CHEM 4336	Fundamental Biochemistry	3		
		NSM Capstone or Elective	5		Natural Sciences Approved Course	3		
	CORE	Language, Philosophy and Culture	3		NSM Capstone or Elective	3		
	Semester Hours		16	Semester Hours		13		29
								120

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