

COLLEGE OF NATURAL SCIENCES & MATHEMATICS

Bachelor of Science, Chemistry Four-Year Academic Map 2018-2019

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 Chem 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		
	CHEM 3369	Analytical Chemistry	3		PHYS 1122	PHYSICS II Lab	1		
	CHEM 3119	Analytical Chemistry Lab	1			Natural Sciences approved Course	3		
	CORE	Creative Arts	3			NSM Capstone or Elective	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.