



**COLLEGE OF NATURAL SCIENCES & MATHEMATICS**  
**Bachelor of Science, Biology**  
 Four-Year Academic Map 2016-2017

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 I	4	MATH 1432	Calculus II	4	
	BIOL 1361	Introduction to Biological Science	3	BIOL 1362	Introduction to Biological Science	3	
	BIOL 1161	Intro to Biological Science Lab	1	BIOL 1162	Intro to Biological Science Lab	1	
	Semester Hours		15	Semester Hours		15	30

YEAR 2	Semester 1			Semester 2			Total
	CHEM 3331	Fundamentals of Organic Chemistry I	3	Elective	NSM Capstone or Electives	6	
	CHEM 3221	Fundamentals of Organic Chem I Lab	2	BCHS 3304	General Biochemistry I	3	
	BIOL 3301	Genetics	3	BIOL 3306	Evolutionary Biology	3	
	BIOL 3311	Genetics Laboratory	3	HIST 1377	The United States to 1877	3	
	MATH 2433	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 Biology Elective	3	
	BIOL 4206	Ecology and Evolution Laboratory <b>OR</b>	} 2	POLS 1337	US Govt: Congress, President & Courts	3	
	BIOL 4272	Cellular & Developmental Bio Lab <b>OR</b>		PHYS 1302	Introductory General Physics II	3	
	BCHS 3201	Biochemistry Laboratory I		PHYS 1102	General Physics Laboratory II	1	
	BIOL 4374	Cell Biology	3	CORE	Social & Behavioral Sciences	3	
	POLS 1336	US & Texas Constitutions & Politics	3	Elective	NSM Capstone or Elective	3	
	PHYS 1301	Introductory General Physics I	3				
	PHYS 1101	General Physics Laboratory I	1				
Semester Hours		15	Semester Hours		16	31	

YEAR 4	Semester 1			Semester 2			Total
	Elective	Approved Biology Electives	6	BIOL 4103	Integration of Biological Knowledge	1	
	Elective	NSM Capstone or Electives	6-7	Elective	Approved Biology Elective	3	
	CORE	Language, Philosophy & Culture	3	Elective	NSM Capstone or Electives	7	
				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.