

**COLLEGE OF NATURAL SCIENCES & MATHEMATICS**  
**Bachelor of Arts, Biochemical & Biophysical Sciences**  
 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 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			
		Foreign Language (2000-level)	3	CHEM 3332	Fundamentals of Organic Chem. II	3	
CHEM 3331	Fundamentals of Organic Chemistry I	3	CHEM 3222	Funds of Organic Chem. II Lab	2		
CHEM 3221	Funds of Organic Chem. I Lab	2	BCHS 3304	General Biochemistry I	3		
MATH 2433	Calculus III <b>OR</b>	} 3-4	BCHS 3201	Biochemistry I Laboratory	2		
MATH 3338	Probability <b>OR</b>		CORE	Creative Arts	3		
MATH 3339	Statistics for the Sciences			Foreign Language (2000-level)	3		
BIOL 3301	Genetics	3	Semester Hours		16	30-31	
Semester Hours		14-15	Semester Hours		16	30-31	

  

YEAR 3	Semester 1			Semester 2			
	PHYS 1301	Introductory General Physics I	3	PHYS 1102	General Physics Laboratory II	1	
PHYS 1101	General Physics Laboratory I	1	PHYS 1302	Intro General Physics II	3		
BCHS 3305	General Biochemistry II	3	POLS 1337	US Govt: Congress, Prest, & Courts	3		
POLS 1336	US & Texas Constitutions & Politics	3	HIST 1378	The United States Since 1877	3		
HIST 1377	The United States to 1877	3	Elective	Approved Advanced Biochemical & Biophysical Sci. Elec	3		
CORE	Social & Behavioral Sciences	3	Semester Hours		13	29	
Semester Hours		16	Semester Hours		13	29	

  

YEAR 4	Semester 1			Semester 2			
	CHEM 4373	Survey of Physical Chemistry <b>OR</b>	} 3	BCHS 4304	Biophysics	3	
CHEM 4370	Physical Chemistry I	BCHS 4311		Biochemistry Laboratory II	3		
BCHS 4306	Nucleic Acids	3	Elective	NSM Capstone or Electives	4		
Elective	NSM Capstone or Elective	6	BCHS 4307	Proteins	3		
Elective	Approved Advanced Biochemical and Biophysical Sciences Electives	3	CORE	Language, Philosophy & Culture	3		
Semester Hours		15	Semester Hours		15	30	
						120	

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