

# COLLEGE OF NATURAL SCIENCES & MATHEMATICS

## Bachelor of Arts, Physics

### Four-Year Academic Map 2020-2021

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	3	CHEM 1332	Fundamentals of Chemistry	3			
	CHEM 1111	Fundamentals of Chemistry Lab	1	CHEM 1112	Fundamentals of Chemistry Lab	1			
	MATH 1431	Calculus I	4	MATH 1432	Calculus II	4			
	CORE	Social & Behavioral Sciences	3	PHYS 1321	University Physics I	3			
	Elective	Approved General Elective	1	PHYS 1121	Physics Laboratory I	1			
	Semester Hours	15	Semester Hours	15			30		

YEAR 2	Semester 1				Semester 2				Total
	MATH 2331	Linear Algebra	3	MATH 3331	Differential Equations	3			
	MATH 2433	Calculus III	4	PHYS 3315	Modern Physics I	3			
	PHYS 1322	University Physics II	3	HIST 1378	The United States Since 1877	3			
	PHYS 1122	Physics Laboratory II	1		Foreign Language or Free Elective	5			
	Foreign Language or Free Elective	5							
	Semester Hours	16	Semester Hours	14			30		

YEAR 3	Semester 1				Semester 2				Total
	Elective	Approved Advanced Mathematics Elective (3000 or 4000 level)	3	Elective	Approved Advanced Math Elective (3000 or 4000 level)	3			
	PHYS 3110	Seminar in Advanced Lab Analysis	1	Elective	Approved Advanced Physics Elective (3000 or 4000 level)	3			
	PHYS 3313	Advanced Laboratory 1	3	POLS 1337	U.S. Govt: Congress, Pres, & Courts	3			
	POLS 1336	U.S. and Texas Constitutions & Politics	3	CORE	Creative Arts	3			
	Elective	Approved Advanced Physics Elective (3000 or 4000 level)	3		Foreign Language (2000 level)	3			
		Foreign Language (2000 level)	3						
	Semester Hours	16	Semester Hours	15			31		

YEAR 4	Semester 1				Semester 2				Total
	Elective	Approved Advanced Physics Elective (3000 or 4000 level)	3	Elective	Approved Advanced Physics Elective (3000 or 4000 level)	3			
	Elective	NSM Capstone or Advanced Electives	4	Elective	NSM Capstone or Elective	9			
	PHYS 3312	Modern Optics AND	}	HIST 1377	The United States to 1877	3			
	PHYS 3112	Modern Optics Lab <b>OR</b>							
	PHYS 4421	Elec Devices & Their Applications							
CORE	Language, Philosophy & Culture	3							
	Semester Hours	14	Semester Hours	15			29		
							120		

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