

# COLLEGE OF NATURAL SCIENCES & MATHEMATICS

## Bachelor of Arts, Physics Four-Year Academic Map 2022-2023

YEAR 1	Semester 1 Fall			Semester 2 Spring			Total
	ENGL 1301	First Year Writing I	3	ENGL 1302	First Year Writing II	3	
	CHEM 1311	Fundamentals of Chemistry	3	CHEM 1312	Fundamentals of Chemistry	3	
	CHEM 1111	Fundamentals of Chemistry Lab	1	CHEM 1112	Fundamentals of Chemistry Lab	1	
	MATH 2413	Calculus I	4	MATH 2414	Calculus II	4	
	CORE	Social & Behavioral Sciences	3	PHYS 2325	University Physics I	3	
	Elective	Approved General Elective	1	PHYS 2125	University Physics Laboratory I	1	
	Semester Hours	15	Semester Hours	15	30		

YEAR 2	Semester 1			Semester 2			Total
	MATH 2318	Linear Algebra	3	MATH 3331	Differential Equations	3	
	MATH 2415	Calculus III	4	PHYS 3315	Modern Physics I	3	
	PHYS 2326	University Physics II	3	CORE	American History	3	
	PHYS 2126	University 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	GOVT 2305	U.S. Govt: Congress, Pres, & Courts	3	
	GOVT 2306	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)					
	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	} 4	CORE	American History	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.