

# 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		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)	3		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			CORE	American History	3		
	PHYS 3112	Modern Optics Lab OR	4		Semester Hours		15		29
	PHYS 4421	Elec Devices & Their Applications			Semester Hours		15		120
	CORE	Language, Philosophy & Culture	3		Semester Hours		15		29

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