

# COLLEGE OF NATURAL SCIENCES & MATHEMATICS

## Bachelor of Arts, Physics

### Four-Year Academic Map 2021-2022

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 2307	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			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							
	PHYS 4421	Elec Devices & Their Applications							
	CORE	Language, Philosophy & Culture	3	Semester Hours			15	29	
Semester Hours			14	Semester Hours			15	120	

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