



COLLEGE OF NATURAL SCIENCES & MATHEMATICS

Bachelor of Arts, Physics

Four-Year Academic Map 2019-2020

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)								
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	HIST 1377	The United States to 1877	3			
	PHYS 3112	Modern Optics Lab OR								
	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.