



COLLEGE OF NATURAL SCIENCES & MATHEMATICS

Bachelor of Science, 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 I	3	CHEM 1312	Fundamentals of Chemistry II	3		
	CHEM 1111	Fundamentals of Chemistry I Lab	1	CHEM 1112	Fundamentals of Chemistry II 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 I Laboratory	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 II Laboratory	1	CORE	Language, Philosophy & Culture	3		
	CORE	American History	3		Nat Science Course or Free Elective	3		
	Semester Hours			14	Semester Hours			15

YEAR 3	Semester 1			Semester 2			Total	
	MATH 3364	Introduction to Complex Analysis	3	MATH 3363	Intro to Partial Differential Equ.	3		
	PHYS 3110	Seminar in Advanced Lab Analysis	1	PHYS 3214	Advanced Laboratory II	2		
	PHYS 3313	Advanced Laboratory	3	PHYS 3327	Thermal Physics	3		
	PHYS 3316	Modern Physics II	3	GOVT 2305	U.S. Govt: Congress, Pres., & Court	3		
	PHYS 3309	Intermediate Mechanics	3	Elective	Approved Elective, Minor Course	3		
	GOVT 2306	U.S. and Texas Constitutions & Politics	3	CORE	Creative Arts	3		
	Semester Hours			16	Semester Hours			17

YEAR 4	Semester 1			Semester 2			Total	
	PHYS 4321	Intermediate Electromagnetic Theory	3	PHYS 4322	Intermediate Electromagnetic Theory II	3		
	PHYS 3312	Modern Optics and	} 4	Elective	Approved Advanced Physics Elective	3		
	PHYS 3112	Modern Optics Lab OR		Elective	NSM Capstone or Elective	6		
	PHYS 4421	Elec Devices & Their Applications				Nat Science Course or Free Elective	3	
	Elective	Approved Advanced Physics Elective	3					
	Elective	NSM Capstone or Free Elective	3					
Semester Hours			13	Semester Hours			15	28
							120	

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

Updated on July 24, 2017