



# COLLEGE OF NATURAL SCIENCES & MATHEMATICS

## Bachelor of Arts, Physics

### Four-Year Academic Map 2015-2016

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 (1000-level)	5	
		Foreign Language (1000-level)	5	Semester Hours		14	30

YEAR 3	Semester 1			Semester 2			Total
	Elective	Mathematics Elective	3	Elective	Math Elective (3000 or 4000 level)	3	
	PHYS 3110	Seminar in Advanced Lab Analysis	1	Elective	Physics Elec. (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	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	3	Elective	Approved Advanced Physics Elective	3	
	Elective	NSM Capstone or Electives	4	Elective	NSM Capstone or Elective	9	
	PHYS 3312	Modern Optics AND	}	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		15	29
Semester Hours		14	Semester Hours		15	120	

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