

College of Health & Sciences

2019-2020 Physics Degree Plan

FIRST YEAR - FRESHMAN

<u>Fall Semester</u>		<u>Spring Semester</u>	
UNIV 1001 *	Freshman Seminar	ENG 1213 *	Freshman Composition II
ENG 1113 *	Freshman Composition I	PS 1113 *	United States Government
KIN 2122 *	Wellness or Nutrition FCS 1513	MATH 2825	Calculus & Analytic Geometry I
MATH 1513 *	College Algebra	CHEM 1114 *	General Chemistry I
---	3 * Humanities- Western Civilization**		
MATH 1713	Trigonometry		

15-16 TOTAL HOURS

15 TOTAL HOURS

SECOND YEAR - SOPHOMORE

<u>Fall Semester</u>		<u>Spring Semester</u>	
CHEM 1214	General Chemistry II	PHYS 2225	Engineering Physics II
MATH 3025	Calculus & Analytics Geometry II	---	3 * Social Sciences**
PHYS 2115	Engineering Physics I	MATH 3033	Calculus & Analytic Geometry III
---	3 Elective*** (3 hours)	---	3 Elective*** (3 hours)
		CMPS 1113 *	Computer Programming I

17 TOTAL HOURS

17 TOTAL HOURS

THIRD or FOURTH YEAR - JUNIOR/SENIOR

<u>Fall Semester (Odd Year)</u>		<u>Spring Semester (Even Year)</u>	
MATH 4113	Differential Equations	BIOL 1114 *	General Biology
PHYS 3813	Optics	HIST 24-3 *	United States History Survey**
PHYS 3013	Modern Physics	COMM ---3 *	Communication (Speech or Language)
PHYS 4113	Electricity & Magnetism- Field Theory	PHYS 3113	Mechanics I
		PHYS 3412	Junior Physics Laboratory
		---	3 Elective*** (3 hours)
		<i>ENG 3183 Technical & Professional Writing RECOMMENDED</i>	

13 TOTAL HOURS

18 TOTAL HOURS

THIRD or FOURTH YEAR - JUNIOR/SENIOR

<u>Fall Semester (Even Year)</u>		<u>Spring Semester (Odd year)</u>	
---	3 * Humanities-Cultural/Human Diversity**	PHYS 4313	Intro to Nuclear Physics
PHYS 4513	Quantum Mechanics	PHYS 3713	Thermodynamics
---	2 Required Physics Elective 3000-4000 Level	--10	Electives*** (10 hours)
---	3 * Humanities-Cultural/Human Diversity**		
---	3 Electives*** (3 hours)		

14 TOTAL HOURS

15 TOTAL HOURS

TOTAL DEGREE PLAN HOURS 124

*General Education Requirement

**See current catalog "General Education Requirements" for selection

***Electives (22-28 hours)