

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 Basic Nutrition HHFS 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)