

College of Health & Sciences

2019-2020 Physics - Medical 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 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 & Analytic Geometry II	BIOL 2184 Human Anatomy
PHYS 2115 Engineering Physics I	MATH 3033 Calculus & Analytic Geometry III
BIOL 1314 * General Zoology	CMPS 1113 * Computer Programming I
18 TOTAL HOURS	15 TOTAL HOURS

THIRD or FOURTH YEAR - JUNIOR/SENIOR

<u>Fall Semester (Odd Year)</u>	<u>Spring Semester (Even Year)</u>
MATH 4113 Differential Equations	PHYS 3412 Junior Physics Laboratory
---3 Required Physics Elective 3000-4000 Level	HIST 24-3 * United States History Survey**
PHYS 3013 Modern Physics	COMM 2253 * Communication in the Workplace
---4 Electives*** (4 hours)	MATH 3513 Mathematical Statistics
	---3 EHS 2413 Radiologic Health OR
	HIM 2113 Medical Terminology
	---3 * Social Sciences**
13 TOTAL HOURS	17 TOTAL HOURS

THIRD or FOURTH YEAR - JUNIOR/SENIOR

<u>Fall Semester (Even Year)</u>	<u>Spring Semester (Odd year)</u>
BIOL 3634 Human Physiology	PHYS 4313 Intro to Nuclear Physics
ENG 3183 Technical & Professional Writing	PHYS 3713 Thermodynamics
---2 Required Physics Elective 3000-4000 Level	PHYS 4222 X-Ray & Nuclear Lab
---3 * Humanities-Cultural/Human Diversity**	PHYS 3222 Medical Physics
CHEM 3114 Organic Chemistry I	---3 * Humanities/Social Sciences Elective**
	---2 Electives*** (2 hours)
16 TOTAL HOURS	15 TOTAL HOURS

TOTAL DEGREE PLAN HOURS 124

*General Education Requirement

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

***No Minor required/Electives (6-12 hours)