

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 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 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	CMPSC	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)