

# College of Health & Sciences

## 2012-2013 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	
<b>15 TOTAL HOURS</b>	<b>15 TOTAL HOURS</b>

### 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
<b>18 TOTAL HOURS</b>	<b>15 TOTAL HOURS</b>

### THIRD or FOURTH YEAR - JUNIOR/SENIOR

<u>Fall Semester (Odd Year)</u>	<u>Spring Semester (Even Year)</u>
MATH 4113 Differential Equations	PHYS 3411 Junior Physics Laboratory
UNIV 3001 * General Education Seminar	HIST 24-3 * United States History Survey**
---3 Required Physics Elective 3000-4000 Level	COMM 2253 * Communication in the Workplace
PHYS 3013 Modern Physics	MATH 3513 Mathematical Statistics
---3 Electives (3 hours)	---3 EHS 2413 Radiologic Health <b>OR</b>
	HIM 2113 Medical Terminology
	---3 * Social Sciences**
<b>13 TOTAL HOURS</b>	<b>16 TOTAL HOURS</b>

### 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
---3 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)
<b>17 TOTAL HOURS</b>	<b>15 TOTAL HOURS</b>

**TOTAL DEGREE PLAN HOURS 124**

\*General Education Requirement

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