

**Physics, with a concentration/emphasis Interdisciplinary Science: Medical Physics**

All concentrations/emphasis areas are 24 hours in total. The required hours for the concentration or emphasis area are listed in the top section. The student can choose from the list of courses in the second section to complete the 24 hour requirement.

The Interdisciplinary Science emphasis area is made up of courses drawn from one or more disciplines, departments or programs, with a single coherent focus in one of the following areas: Biology, Chemistry, Computer Science, Geology, Mathematics, Medical Physics or Statistics. Some of these options satisfy the requirements for a minor in the focus area, as indicated.

<b>Medical Physics focus for Physics B.S. with a concentration in interdisciplinary science</b>		
<b>Medical Physics Minor</b>		
PHY 2820	Medical Physics*	3
CS 2435	Introduction to scientific programming*	4
CHE 1101/1110	Chem I and lab*	4
PHY 2700	Computer Interfacing*	4
BIO 3301	Human Systems Physiology*	4
	<a href="#"><u>*based on AAPM certified programs</u></a>	
Used from 24 hours		19
Leftover		5
<b>Choose remaining 5 hours from:</b>		
PHY 3001	Math Methods	3
PHY 3010	Classical I	3
PHY 4640	Quantum Mechanics	3
PHY 3211	Modern II	3
PHY 3850	Environucleonics	3
PHY 3851	Environucleonics lab	1
PHY 3020	Electromagnetism	3
PHY 3230	Thermal Physics	3
PHY 4330	Digital Electronics	4
PHY 4730	Analog Electronics	4

BIO 2400	Genetics	3
BIO 2410	Genetics Lab	3
BIO 2600	Cell Biology	1
BIO 2610	Cell Biology Lab	3
BIO 2700	Human Genetics	1
BIO 3600	Neurobiology	3
BIO 1801	Intro Bio I	4
BIO 1802	Intro Bio II	3
BIO 2200	Human Microbiology	3
CHE 2201 and CHE 2203	Organic Chemistry and lab	4
<b>OR</b> CHE 2101 and CHE 2102	Fundamentals of Organic Chemistry and lab	4
CHE 1101 and CHE 1110	Intro Chem I	4
CHE 1102 and CHE 1120	Intro ChemII	4