Physics B.A./B.S. with Emphasis in Pre-Medical

Physics B.A./B.S. with Emphasis in Pre-Medical is a program designed for students interested in pursuing a medical degree or advanced degree in medical or radiation physics after graduation. The degree program consists of a major in Physics and a Minor in Biology. Students who in addition complete CHEM 340 will receive a Minor in Chemistry.

See the Core Curriculum Re	equirements (https://coursecatalog.tamuc.edu/undergrad/core-curriculum-requirements/)	42
Required courses in the m	ajor	
PHYS 101	Physics and Astronomy Seminar	
PHYS 2425	University Physics I	
PHYS 2426	University Physics II	4
PHYS 317	Mathematical Methods for Physics and Engineering	:
PHYS 321	Modern Physics	:
PHYS 333	Wave Motion, Acoustics, and Optics	
PHYS 335	Advanced Physics Laboratory	:
Choose two from the following	ng:	(
PHYS 411	Classical Mechanics	
PHYS 412	Electricity and Magnetism	
PHYS 414	Thermodynamics and Kinetic Theory	
PHYS 420	Quantum Mechanics	
Emphasis courses and Bio	ology Minor	
PHYS 119	Introduction to Python Computer Programming for the Physical Sciences	
PHYS 401	Current Topics in Physics and Astronomy (1 sh, must be repeated for total of 2 sh)	
6 SCH additional PHYS 400	-level courses	(
PHYS/MATH/CHEM/BSC A	dvanced	;
BSC 1406	Introductory Biology I	4
BSC 1407	Introductory Biology II	4
BSC 303	Cell Biology	4
BSC 304	Genetics	4
BSC 305	General Physiology	4
BSC 306	Applied Microbiology	4
Support courses		
CHEM 1111	General and Quantitative Chemistry Laboratory I	
CHEM 1112	General and Quantitative Chemistry Laboratory II	
CHEM 1311	General and Quantitative Chemistry I	
CHEM 1312	General and Quantitative Chemistry II *	
CHEM 2123	Organic Chemistry Laboratory I	
CHEM 2125	Organic Chemistry Laboratory II	
CHEM 2323	Organic Chemistry I	;
CHEM 2325	Organic Chemistry II	;
MATH 2413	Calculus I [*]	
MATH 2414	Calculus II *	
MATH 2415	Calculus III	4

* This course should be taken to fulfill Core Curriculum Requirements.

First Year	
Fall	Hours
Delete This Text	
	0

Total Hours: 0