

PHYSICS (PREHEALTH CARE), B.S.

MTH 3326	Partial Differential Equations	3
Total Hours		85

This concentration is designed for students with an interest in medicine, dentistry, or other health related professions, and it satisfies the medical/dental preprofessional program requirements.

Requirements for a Major in Physics (Prehealth Care)

Code	Title	Hours
Thirty-three semester hours including:		
Required Courses		
PHY 1420	General Physics I	4
PHY 1430	General Physics II	4
PHY 2135	Basic Electronics Laboratory	1
PHY 2190	Introduction to Research in Physics	1
PHY 2350	Modern Physics	3
PHY 2360	Mathematical and Computational Physics	3
PHY 3175	Intermediate Physics Laboratory I	1
PHY 3320	Intermediate Classical Mechanics	3
PHY 3330	Intermediate Electricity and Magnetism	3
PHY 3372	Introductory Quantum Mechanics I	3
PHY 3373	Introductory Quantum Mechanics II	3
PHY 4190	Dissemination of Research Results in Physics	1
PHY 4340	Statistical and Thermal Physics	3
PHY 4001	Exit Exam	0
Subtotal		33
Required Courses in Other Fields		
BIO 1305 & BIO 1105	Modern Concepts of Bioscience and Modern Concepts of Bioscience Laboratory	4
BIO 1306 & BIO 1106	Modern Concepts of Bioscience, continued and Modern Concepts of Bioscience Laboratory	4
Six semester hours of 3000-4000 BIO courses		6
CHE 1301 & CHE 1101	Basic Principles of Modern Chemistry I and General Chemistry Laboratory I	4
CHE 1302 & CHE 1102	Basic Principles of Modern Chemistry II and General Chemistry Laboratory II	4
CHE 3331	Organic Chemistry I	3
CHE 3332	Organic Chemistry II	3
CHE 3238	Organic Chemistry Laboratory	2
CSI 1430	Introduction to Computer Science I with Laboratory	4
MTH 1321	Calculus I	3
MTH 1322	Calculus II	3
MTH 2311	Linear Algebra	3
MTH 2321	Calculus III	3
MTH 3325	Ordinary Differential Equations	3