



RECOMMENDED COURSE OF STUDY FOR PRE-HEALTH CARE PROFESSION PHYSICS MAJOR WITH CHEMISTRY MINOR



- A 2.00 Overall GPA and 128 hours total college credit with 48 hours at the 300 – 499 level is required for graduation.
- Marshall Plan requires 6 International credit hours, 3 Writing Intensive credit hours, and 3 Multicultural credit hours.
- Students must pursue a minor to meet graduation requirements. See individual departments for minor requirements.
- Students following this recommended curriculum should graduate within four academic years.

Green highlighted courses are science block courses for pre-professional schools.

YEAR ONE					
Fall Semester		Hours	Spring Semester		Hours
BSC 120, Principles Of Biology		4	BSC 121, Principles of Biology		4
CHM 211, Principles of Chemistry I		3	MTH 229, Calculus I		5
CHM 217, Principles of Chemistry Lab I		2	CHM 212, Principles of Chemistry II		3
ENG 101, English Composition I		3	CHM 218, Principles of Chemistry Lab II		2
Multicultural Social Science Elective†		3	ENG 102, English Composition II		3
UNI 101/HON 101, New Student Seminar		1	Total		17
Total		16			
YEAR TWO					
Fall Semester		Hours	Spring Semester		Hours
PHY 211, Principles of Physics I		3	PHY 213, Principles of Physics II		3
PHY 202, Physics Lab I		1	PHY 204, Physics Lab II		1
CHM 355, Organic Chemistry I		3	CHM 356, Organic Chemistry II		3
MTH 230, Calculus II		4	CHM 361, Organic Chemistry Lab		3
Social Science Elective†		3	MTH 231, Calculus III		4
Total		14	CMM 103, Fundamentals of Speech Comm.		3
			Professional Exam for Early Entrance‡		Total
					17
YEAR THREE					
Fall Semester		Hours	Spring Semester		Hours
PHY 300, Electricity and Magnetism‡‡		3	PHY 302, Electricity and Magnetism II‡‡		3
BSC 322, Principles of Cell Biology††		4	PHY 320, Introductory Modern Physics		3
CHM 365, Biochemistry or 300 – 499 PHY Elec††		3	PHY 421, Modern Physics Lab\$\$		2
MTH 335, Differential Equations		3	International Social Science Elective†		3
Foreign Language*		3	Foreign Language*		3
Professional Exam‡		Total	Humanities Elective**		3
		16	Professional Exam‡		Total
					17
YEAR FOUR					
Fall Semester		Hours	Spring Semester		Hours
PHY 330, Mechanics‡‡		3	PHY 491, Capstone		2
300 – 499 PHY Elective with Lab\$\$		5	PHY 442, Quantum Mechanics‡‡		3
International Social Science Elective†		3	International Social Science Elective†		3
300 – 499 Writing Intensive Literature Elective\$		3	300 – 499 Literature Elective\$		3
Foreign Language*		3	Foreign Language*		3
Professional Exam‡		Total	Total		14
		17			
TOTAL HOURS – 128 (49 300 – 499 level credit hours)					

*Choose one of the following: FRN 203 and 204, GER 203 and 204, JPN 203 and 204, SPN 203 and 204, or another modern language 203 and 204. Depending on high school background, this will require 3 – 12 hours at the college level.

†Students are required to complete 15 credit hours in Social Sciences from at least 3 different fields: Anthropology – any course; Criminal Justice – any course; Economics – any course; Geography – any course *except* 101, 425, 429, and 430; History – any course; Political Science – any course; Psychology – any course *except* 223 or 417; Sociology – any course *except* 344, 345, 445; or Women's Studies 101. PSY 201 and SOC 200 are recommended for Pre-Health majors.

**Students are required to complete 3 credit hours in Humanities: Classics – any course *except* 230, 231, 232, 233, 234, 235, or 236; Philosophy – any course; or Religious Studies – any course *except* 304, 310, 320, 325, or 351.

§Students are required to complete 6 credit hours in Literature: Classics 230, 231, 232, 233, 234, 235, or 236; English – any 300 – 499 level course in literature only; French 317, 318, 401, 402, 403, or 404; German 301, 302, 417, or 418; Latin – any 300 – 499 level course; Religious Studies 304, 310, 320, 325, or 351; or Spanish 411, 412, 413, 414, 415, or 416.

††BSC 322 and CHM 365 are recommended for Pre-Health Care Students taking a professional exam. Based on students experience with the MCAT, BSC 322 and CHM 365 are recommended to prepare for the exam. Other recommended courses for professional school are BSC 300, BSC 417, BSC 424, BSC 425, BSC 448, and MTH 225.

‡‡Offered alternate years.

\$\$\$Students are required to complete 10 additional hours of 300 – 499 level Physics courses, including at least 4 hours of advanced laboratory courses (PHY 405, 415, 421, or 463). PHY 405 is a co-requisite of PHY 304, PHY 415 is a co-requisite of PHY 314, PHY 421 is a co-requisite of PHY 320, and PHY 463 is a co-requisite of PHY 462.

‡‡It is best to take the professional exam in the spring of the junior year prior to the year of first enrollment in the professional school. If necessary, student may be able to **retake** the professional exam in the fall semester of the senior year. In a few cases, the student, after discussions with his/her advisor, may choose to take the professional exam during the spring semester of the sophomore year to apply for early entrance. An individual may take the MCAT only three times. Professional exams are AHPAT – Allied Health Professions Admission Test for Physical Therapy Schools; DAT – Dental Admissions Testing for Dentistry School; GRE – Graduate Record Exam for Physician Assistant School, Podiatry School, or Veterinary Medicine; MCAT – Medical College Admission Testing for Medical School or Podiatry School; OAT – Optometry Admission Testing for Optometry School; PCAT – Pharmacy College Admission Test for Pharmacy School; and VCAT – Veterinary College Admission Test for Veterinary Schools. Consult the professional school(s) of your choice to determine which professional exam is required.

