



**RECOMMENDED COURSE OF STUDY FOR PRE-HEALTH CARE PROFESSION
BIOCHEMISTRY MAJOR WITH BIOLOGY MINOR**



- A 2.00 Overall GPA and a 2.00 Major GPA, and 128 hours total college credit with 48 hours at the 300 – 499 level is required for graduation.
- 64 credit hours must be earned in science courses.
- 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
CHM 211, Principles of Chemistry I		3	CHM 212, Principles of Chemistry II		3
CHM 217, Principles of Chemistry Lab I		2	CHM 218, Principles of Chemistry Lab II		2
BSC 120, Principles of Biology		4	BSC 121, Principles of Biology		4
MTH 140, Applied Calculus or MTH 229, Calculus		3 or 5	International Social Science Elective†		3
ENG 101, English Composition I		3	ENG 102, English Composition II		3
UNI 101/HON 101, New Student Seminar		1		Total	15
	Total	16 or 18			
YEAR TWO					
Fall Semester		Hours	Spring Semester		Hours
CHM 355, Organic Chemistry I		3	CHM 356, Organic Chemistry II		3
PHY 201, General Physics I		3	CHM 361, Organic Chemistry Lab		3
PHY 202, General Physics Lab I		1	PHY 203, General Physics II		3
CMM 103/104H, Speech Communication		3	PHY 204, General Physics Lab II		1
Multicultural Social Science Elective†		3	Social Science Elective†		3
Social Science Elective†		3	International Social Science Elective†		3
	Total	16	Professional Exam for Early Entrance‡	Total	16
YEAR THREE					
Fall Semester		Hours	Spring Semester		Hours
CHM 365, Introductory Biochemistry††		3	CHM 345, Introduction to Analytical Chemistry		4
CHM 366, Introductory Biochemistry Lab		2	CHM 467, Intermediate Biochemistry		3
BSC 322, Principles of Cell Biology††		4	BSC 450, Molecular Biology		3
300 – 499 Writing Intensive Literature Elective\$		3	300 – 499 Humanities Elective**		3
Foreign Language*		3	Foreign Language*		3
Professional Exam‡	Total	15	Professional Exam‡	Total	16
YEAR FOUR					
Fall Semester		Hours	Spring Semester		Hours
CHM 491, Capstone Experience		2	CHM 432, Seminar		0
300 – 499 Chemistry Elective		3	CHM 307, Introductory Physical Chemistry\$\$		4
BSC 324, Principles of Genetics		4	300 – 499 Literature Elective\$		3
Foreign Language*		3	Foreign Language*		3
Free Elective		6	Free Electives		4 or 6
Professional Exam‡	Total	18		Total	14 or 16
TOTAL HOURS – 128 (50 300 – 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.

\$\$CHM 357 and 358 are recommended for graduate school instead of CHM 307.

††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.

‡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.