

PRE-HEALTH

The Pre-Professional Health Studies program prepares students for some of the most popular careers in health care. Advisers will guide students through course registration, internships and letters of recommendation.

Curriculum Overview

Students are encouraged to take a balanced combination of natural science, language, social science, humanities, and general liberal arts (15-18 credits per semester). The suggested selection of courses for the beginning student is made on the basis of high school aptitude and achievement and previous humanities and science courses.

Pre-health professions students are encouraged to acquire a strong background in the humanities and social sciences, selecting courses in which the development of communication skills and verbal reasoning are encouraged, as these skills are stressed in the admission selection process by professional schools. Students are also encouraged to complete an internship and/or shadow practitioners to gain firsthand experience in a health care setting.

Requirements

Pre-Health students' application to professional school is completed one year in advance of the expected date of matriculation. Within the first three years, the student must complete the following required courses in basic sciences that satisfy the majority of medical and other professional schools.

Students completing the minimum pre-health curriculum are better prepared to take the appropriate admission test as part of the application process for professional school.

Code	Title	Credits
BIOL 1240	General Biology: Information Flow and Evolution	3
BIOL 1245	Principles of Biology I Laboratory	1
BIOL 1260	General Biology: Transformations of Energy and Matter	3
BIOL 1265	Principles of Biology II Laboratory	1
Upper Division Biology course		3-5
BIOL 3020	Biochemistry and Molecular Biology	3
BIOL 3040	Cell Structure & Function	3
CHEM 1110	General Chemistry 1	3
CHEM 1120	General Chemistry 2	3
CHEM 1115	General Chemistry 1 Laboratory	1
CHEM 1125	General Chemistry 2 Laboratory	1
CHEM 2410	Organic Chemistry 1	3
CHEM 2420	Organic Chemistry 2	3
CHEM 2415	Organic Chemistry 1 Laboratory	1
CHEM 2425	Organic Chemistry 2 Laboratory	1
MATH 1510	Calculus I	4
PHYS 1310	College Physics I	3
PHYS 1320	College Physics I Laboratory	1
PHYS 1330	College Physics II	3
PHYS 1340	College Physics II Laboratory	1
Total Credits		45-47

Students are encouraged to take at least three upper division biology or chemistry courses.

Students should also be aware of the updated MCAT. New and expanded content includes biochemistry, psychology, sociology and research/research methodology.

Recommended Courses

Code	Title	Credits
BIOL 3420	Comparative Anatomy of the Vertebrates	5
BIOL 3470	General Physiology Laboratory	1
BIOL 4440	Vertebrate Histology: Structure and Function of Tissues	4
BIOL 4540	Human Systemic Physiology	3
CHEM 2200	Analytical Chemistry 1	2
CHEM 2205	Analytical Chemistry 1 Laboratory	2
CHEM 3330	Physical Chemistry 1	3
CHEM 3340	Physical Chemistry 2	3
CHEM 3345	Physical Chemistry Laboratory	2