

PRE-PROFESSIONAL HEALTH, MINOR

Students who want to pursue a career in a medical profession must prepare themselves for admission to a professional school or graduate program in their area of interest. Students are not required to complete a science-oriented degree, but they must have completed certain pre-requisite courses for admission to these programs. The purpose of this minor is to provide the background that a non-science major must have to complete a successful application to medical school or other professional programs in dentistry, optometry, physician assistant, pharmacy, and other health programs.

Students pursuing a degree in Biomedical Sciences or Chemistry (pre-health concentration) may not declare the Pre-Professional Health minor.

Program Requirements

Code	Title	Hours
Required Courses		
BIO 111	Cell and Molecular Biology ¹	4
BIO 307		3
BIO 308 or BIO 348	Human Anatomy and Physiology II Vertebrate Physiology	3
BIO 332	Careers in Biomedical Sciences	1
CHE 111 & 111L	General Chemistry and General Chemistry Lab I ¹	4
CHE 112 & 112L	General Chemistry II and General Chemistry Lab	4
CHE 361 & 361L	Organic Chemistry I and Organic Chemistry Lab I	4
Choose from one of the following:		3-4
CHE 362 & 362L	Organic Chemistry II and Organic Chemistry Lab II	
CHE 430	Biochemistry of Macromolecules	
PHI 383	Health & Biomedical Ethics	3
PHY 131 or PHY 201	College Physics I University Physics I	5
PHY 132 or PHY 202	College Physics II University Physics II	5
Total Hours		39-40

¹ May fulfill General Education Element 4 requirements.
Other recommended courses from General Education: 6 credits of ENG (AP credit is not accepted at some medical schools), CMS 210 Public Speaking, SOC 131 Introductory Sociology, PSY 200 Introduction to Psychology and higher, MAT 120 Trigonometry or MAT 234 Calculus I depending on the program, ANT course.

BIO 112 Ecology and Evolution, BIO 320 Principles of Microbiology, and STA 270 Applied Statistics may also be required for admission to some professional schools. Students will need to check with each program for their particular entrance requirements. Certain schools may require more courses than are in this minor.