

BIOLOGY MAJOR/PRE-PHYSICIAN ASSISTANT EMPHASIS

This program has been designed to combine a solid theoretical foundation in the sciences with clinical education experiences to prepare students for admission into post-graduate professional physician assistant programs.

Major requirements total a minimum of 57 hours. This includes 25 hours in the required Biology courses, 28 hours in supporting courses, 3 hours of Bioethics courses, and at least one hour of clinical (professional) experience.

Code	Title	Hours
Required Courses for General Education		
BIO 111	General Biology	4
CH 111	General Chemistry I	4
MA 121	Calculus and Analytic Geometry I	4
Required Courses for Major		
Required Biology Courses:		
BIO 112	Biology: Plant and Animal Kingdoms	4
BIO 310	Microbiology	4
BIO 340	Human Anatomy and Physiology I	4
BIO 341	Human Anatomy and Physiology II	4
BIO 410	Biology Seminar	1
BIO 420	Cell and Molecular Biology	4
BIO 315	Genetics	4
	or BIO 430 Developmental Biology	
Required Supporting Courses:		
CH 112	General Chemistry II	4
CH 211	Organic Chemistry I	4
CH 212	Organic Chemistry II	4
HS 161	Medical Terminology	1
HS 360	General Medical Conditions in the Physically Active	3
MA 285X	Statistics	3
	or MA 280X Introductory Statistics	
PHY 111	General Physics I	4
PHY 112	General Physics II	4
Required Bioethics Courses:		
BE 474X	Introduction to Bioethics	3
	or BE 476X Undergraduate Bioethics Institute	
Required Clinical Hours ¹		
HS 480	Professional Rotation in Health Sciences ²	1-6

Electives

Highly Recommended (Required by many physician assistant schools):

HS 165 Responding to Emergencies and Sport Safety Training

Select at least one of the following psychology courses:

PSY 335 Child Development

PSY 337 Psychology of Adolescence

PSY 339 Adult Development

Recommended (Required by some physician assistant schools):

PSY 310 Abnormal Psychology

COM 112 Speech

ENG 210X Business Communication

or ENG 240X Writing for the Media I

Total Hours 68-73

- Minimum Requirement is 1000 hours and may be more depending on the physician assistant program
- Clinical hours must be supervised by a licensed health care practitioner with emphasis given to hours supervised by a physician or physician assistant. Some programs require more than one site. Clinical hours must include patient contact. Registration for HS 480 credit must occur prior to the clinical experience. This requirement satisfies the professional experience requirement. Requirements for acceptance vary among physician assistant schools. By the first semester of the sophomore year, students should contact possible physician assistant schools for information regarding prerequisite coursework required for admission. Courses may then be selected from the recommended courses.