

### Additional Upper-Level Biology Requirement

In addition to Human Anatomy, Physiology, Microbiology, and Biochemistry, the PA program requires a minimum of 6 additional credits of upper-level biology coursework. These courses should have a focus on mammalian biology. The following lists include courses which the PA program will allow to fulfill our 'additional upper-level biology' requirement, and which courses will not fulfill our requirement. Applicants may use two courses from the same area of study to fulfill the additional upper-level biology courses requirement. This list is not exhaustive. Please contact the program if you have any questions regarding this requirement: 732-235-4445.

Approved/Not Approved 'Other Upper Biology' Courses:

<b>Approved</b>	<b>Not Approved</b>
Bacteriology	Bioethics
Biomedical Science ( <i>BIMS</i> )	Biodiversity
Biochemistry	Biomechanics
Biomolecules	Botany
Bio-organic Chemistry	Ecology
Biophysics	Evolutionary Biology
Cancer Biology	General Biology
Cell Biology	General Chemistry
Cellular Physiology	Herpetology
Developmental Biology	Medical Terminology
Embryology	Nutrition
Endocrinology	Principles of Biology
Entomology	Principles of Chemistry
Environmental Chemistry (evaluated case-by-case)	Psychobiology (unless it is a biology or neurobiology course)
Epidemiology	Physiological Psychology
Eukaryotics	Plant Biology
Exercise Physiology	Zoology (unless it is invertebrate/vertebrate zoology)
Forensic Biology	
Genetics	
Genomics	
Hematology	
Histology	
Infectious Disease	
Immunology	
Kinesiology	
Marine Biology (evaluated case-by-case)	
Medical Chemistry ( <i>Inorganic Chemistry</i> )	
Medical Mycology	
Metabolism ( <i>Biochemistry</i> )	
Micro-Organisms	
Molecular Biology	
Molecular Biotechnology	
Neuromechanisms	
Organic Chemistry	
Parasitology	
Pathology	
Pathophysiology	
Pharmaceutical Chemistry ( <i>Inorganic Chemistry</i> )	
Phlebotomy	
Physical Chemistry ( <i>Inorganic Chemistry</i> )	
Physiological Chemistry ( <i>Biochemistry</i> )	
Prokaryote Physiology	
Psychobiology (if it is offered by a Biology or Neuroscience department)	

Research in Biology	
Structure and Bonds ( <i>Organic Chemistry</i> )	
Structure and Reaction ( <i>Organic Chemistry</i> )	
Toxicology	
Virology	