PRE-HEALTH SPECIALIZED STUDIES, POST-BACCALAUREATE PREPARATORY PROGRAM

Penn's Pre-Health Post-Baccalaureate Programs are designed for driven students who want to distinguish themselves as competitive medical, dental, or veterinary school candidates. The Specialized Studies program is specifically for students who aim to strengthen their existing scientific foundations. The minimum total course units for program completion is 8. Specialized Studies students take advanced undergraduate course in the biological sciences such as, Advanced Cell Biology, Essentials of Molecular Biology and Genetics, Essentials of Physiology, Pathophysiology, Histology, Immunobiology, Infectious Diseases, Neuroscience, and Human Anatomy.

Specialized Studies students may opt to complete their program on a full-time or part-time basis, but all program requirements are expected to be completed within two years of matriculation.

Curriculum

Specialized Studies students develop a study plan in consultation with their Academic Advisor that accounts for the student's past academic history and addresses future academic goals. Students may elect 1 cu of online Human Anatomy to fulfill their program requirements. Students may also incorporate Core Studies courses into their plan where recommended and appropriate.

Pre-Health Specialized Studies Course options include:

Code	Title	Course Units
Select 8 CU from the following:		8
BIOL 2001	Essentials of Cell Biology	
BIOL 2201	Essentials of Molecular Biology and Genetics	
BIOL 2301	Essentials of Vertebrate Physiology	
BIOL 2701	Elements of Microbiology	
BIOL 2801	Essentials of Biochemistry	
BIOL 3004	Infectious Disease Biology	
BIOL 3006	Histology	
BIOL 3313	Essentials of Pathophysiology	
BIOL 4004	Immunobiology	
BIOL 4007	Cancer Cell Biology	
BIOL 4010	Advanced Cell Biology	
BIOL 4018	Cell Communication and Disease	
BIOL 3054	Developmental Biology	
NRSC 1110	Introduction to Brain and Behavior	
NRSC 2269	Autonomic Physiology	
NRSC 4430	The Cognitive Neuroscience of Autism	
ANAT 5050	Structural Adaptations to Function	
ANAT 5120	Human Anatomy: Cardiovascular, Respiratory, Digestive, and Musculoskeletal Systems	
ANAT 5130	Human Anatomy: Cardiovascular and Respiratory Systems	
ANAT 5140	Human Anatomy: Digestive System	
ANAT 5150	Human Anatomy: Musculoskeletal System	
ANAT 5160	Human Anatomy: Endocrine and Reproductive Systems	
ANAT 5170	Anatomy of the Head and Neck: Cranial Nerves and Their Distribution	
ANAT 5180	Brain and Spinal Cord: Longitudinal Neural Pathways	
ANAT 5190	Brain and Spinal Cord: Motor and Sensory Functional Systems	
NEUR 2600	Hormones,Brain,Behavior	
NEUR 2800	Autonomic Pharmacology	
NEUR 4000	Psychopharmacology	
Total Course Units		**8**

The degree and major requirements displayed are intended as a guide for students entering in the Fall of 2024 and later. Students should consult with their academic program regarding final certifications and requirements for graduation.