Pre-Veterinary Medicine, A.S.

Degree Offered

- Associate of Science

Nature of the Program

This major has a flexible design allowing students to acquire the necessary first two years of study in agricultural biochemistry, chemistry, mathematics, physics, and modern concepts of biology. Students begin preparation for entrance to professional schools of veterinary medicine, human medicine, dentistry, optometry, pharmacy or graduate study in the fields of agricultural biochemistry, animal breeding, animal physiology and nutrition.

Career Opportunities

Professional positions are available as veterinarians, human medical doctors, dentists, optometrists and pharmacists. Other career opportunities include: federal or state agencies, food and animal production and processing, research, and agricultural sales.

FACULTY

CHAIR

- Dr. Heidi B. Samuels - Ed. D. Educational Leadership
  Year @ PSC (2006)

Admissions

Entering freshmen are admitted directly into the major.

General Education Foundations

Please use this link to view a list of courses that meet each GEF requirement. **(**http://registrar.wvu.edu/gef/**)**

NOTE: Some major requirements will fulfill specific GEF requirements. Please see the curriculum requirements listed below for details on which GEFs you will need to select.

Code	Title	Hours
General Education Foundations		
F1 - Composition & Rhetoric		3-6
ENGL 101 & ENGL 102	Introduction to Composition and Rhetoric and Composition, Rhetoric, and Research	
or ENGL 103	Accelerated Academic Writing	
F2A/F2B - Science & Technology		4-6
F3 - Math & Quantitative Reasoning		3-4
F4 - Society & Connections		3
F5 - Human Inquiry & the Past		3
F6 - The Arts & Creativity		3
F7 - Global Studies & Diversity		3
F8 - Focus (may be satisfied by completion of a minor, double major, or dual degree)		9
Total Hours		31-37

Please note that not all of the GEF courses are offered at all campuses. Students should consult with their advisor or academic department regarding the GEF course offerings available at their campus.

Curriculum Requirements

Code	Title	Hours
GEF Elective Requirements (5, 6, and 7)		**9**
ENGL 101 & ENGL 102	Introduction to Composition and Rhetoric and Composition, Rhetoric, and Research (GEF 1)	6
Select one of the following (GEF 3):		3

MATH 124	Algebra with Applications	
MATH 126	College Algebra	
MATH 128	Plane Trigonometry (if needed, or GEF 8)	3
BIOL 115 & 115L	Principles of Biology and Principles of Biology Laboratory	4
BIOL 117 & 117L	Introductory Physiology and Introductory Physiology Laboratory	4
CHEM 115 & 115L	Fundamentals of Chemistry 1 and Fundamentals of Chemistry 1 Laboratory	4
CHEM 116 & 116L	Fundamentals of Chemistry 2 and Fundamentals of Chemistry 2 Laboratory	4
CHEM 233 & 233L	Organic Chemistry 1 and Organic Chemistry 1 Laboratory	4
CHEM 234 & 234L	Organic Chemistry 2 and Organic Chemistry 2 Laboratory	4
PHYS 101 & 101L	Introductory Physics 1 and Introductory Physics 1 Laboratory (GEF 2)	4
PHYS 102 & 102L	Introductory Physics 2 and Introductory Physics 2 Laboratory (GEF 8)	4
A&VS 150	Introduction to Animal Science	2
A&VS 251 & 251L	Principles of Animal Science and Principles of Animal Science Laboratory	4
AGRL 191	First-Year Seminar	1
Total Hours		60

Suggested Plan of Study

First Year

Fall	Hours	Spring	Hours
ENGL 101 (GEF 1)	3	ENGL 102 (GEF 1)	3
BIOL 115 & 115L	4	BIOL 117 & 117L	4
CHEM 115 & 115L	4	CHEM 116 & 116L	4
A&VS 150	2	MATH 128	3
Select one of the following (or higher, GEF 3):	3		
MATH 124			
MATH 126			
AGRL 191	1		
	17		14

Second Year

Fall	Hours	Spring	Hours
PHYS 101 & 101L (GEF 2)	4	PHYS 102 & 102L (GEF 8)	4
CHEM 233 & 233L	4	CHEM 234 & 234L	4
GEF 5	3	A&VS 251 & 251L	4
GEF 6	3	GEF 7	3
	14		15

Total credit hours: 60

Major Learning Outcomes

PRE-VETERINARY MEDICINE

1. Graduates will acquire a high level of competency in the basic sciences required for disciplinary competency.
2. Graduates will integrate basic knowledge and managerial skills related to the animal, nutritional and food sciences disciplines.
3. Graduates will acquire sufficient written and oral communication skills, problem solving and critical thinking skills to effectively impact lifelong societal and professional developments critical to their respective discipline of interest.