

# PRE-VETERINARY

Undergraduate Credit Required	Bachelor's degree (recommended)
Entrance Exam	Graduate Record Examination (GRE)
Professional Schooling Required	3-4 years to earn DMV (Doctor of Veterinary Medicine)
Local Professional Schools	University of Pennsylvania, Rowan University (2025) 33 programs in the United States
Professional Organization Websites	Association of American Veterinary Medical Colleges <a href="http://aavmc.org">aavmc.org</a>
Major	Students can major in any subject at WCU for Pre-Veterinary. The most common majors that align with veterinary school pre-requisites are Biology: Cell and Molecular Biology, Biology: Integrative Concentration, and Chemistry: Chem-Bio.

## REQUIRED AND SUGGESTED ELECTIVES FOR WCU UNDERGRADUATE STUDENTS

The following course recommendations are general requirements for Veterinary programs. For the specific requirements of your school of choice and whether AP/IB credit is accepted, please refer to that school's admissions website or contact those schools for a list of entrance requirements.

### VET SCHOOL REQUIREMENTS

<b>Biological Sciences with labs (8 hours)</b>		
BIO 110 General Biology I, BIO 111 General Biology II, BIO 211 Cell Biology		
Course	Term	Grade
<b>Genetics (required by most schools)</b>		
Course	Term	Grade
BIO 210		
<b>Microbiology (required by most schools)</b>		
Course	Term	Grade
BIO 214		
<b>General Chemistry with lab</b>		
Course	Term	Grade
CHE 103 & CRL 103		
CHE 104 & CRL 104		
<b>Organic Chemistry with lab</b>		
Course	Term	Grade
CHE 231 & CRL 231		
CHE 232		
<b>Biochemistry (1 course)</b>		
Course	Term	Grade
CHE 476 (required)		
CHE 477 (recommended)		
<b>Social Science or Humanities (2 courses)</b>		
Course	Term	Grade

<b>English Composition (2 courses)</b>		
Course	Term	Grade
<b>Calculus and Stats (required by some schools)</b>		
Course	Term	Grade
MAT 121		
MAT 145		
<b>Physics with lab (2 courses)</b>		
Course	Term	Grade
PHY 130 or 170		
PHY 140 or 180		

### SUGGESTED ELECTIVES

BIO 357. Comparative Vertebrate Anatomy  
 BIO 428. Animal Histology  
 BIO 431. Molecular Genetics  
 BIO 465. Immunology  
 BIO 468. Comparative Vertebrate Physiology  
 BIO 469. Human Physiology  
 CHE 477. Biochemistry 2  
 HEA. Medical Terminology

### Sample Course Plan of Pre-Vet Requirements

<u>Semester 1</u>	<u>Semester 2</u>
CHE 103	CHE 104
CRL 103	CRL 104
BIO 110	BIO 111
WRT 120	WRT 2XX
MAT 121	MAT 145

<u>Semester 3</u>	<u>Semester 4</u>
CHE 231	CHE 232
CRL 231	CRL 232
PHY 130	PHY 140
BIO 210	BIO 211
General/Major Electives	General/Major Electives

<u>Semester 5</u>	<u>Semester 6</u>
CHE 476	CHE 477
General/Major Electives	General/Major Electives

<u>Semester 7</u>	<u>Semester 8</u>
General/Major Electives	General/Major Electives

### Potential Internships for Pre-Veterinary Students

Summer VETS Program at University of Pennsylvania  
Philadelphia Zoo College Internships  
Brandywine SPCA

### BEYOND ACADEMICS

Pre-Vet students are encouraged to participate in experiences such as leadership roles, volunteer work, research, and shadowing, which will help prepare them for veterinary school and the profession. Such experiences demonstrate a commitment to and knowledge of the profession. All students are **STRONGLY** encouraged to **shadow veterinary professionals, volunteer with veterinary offices or animal shelters**, and get involved with research and pursue internships. Activities beyond the classroom play a significant role in a student's application to a professional school program.

### APPLICATION AND ADMISSION

Applications: Most veterinary schools participate in the Veterinary Medical College Application Service (VMCAS). The service is usually available in May of each year and the application and supporting documents are due in the middle of September. Additional admissions requirements: Schools may also require a secondary (supplemental) application following the submission of your initial application through VMCAS. Secondary applications may require additional essays and letters of recommendation.

### ENTRANCE EXAM

The Graduate Record Exam (GRE) is required for some programs: [ets.org/gre](http://ets.org/gre).

### ADDITIONAL APPLICATION INFORMATION

Applications to Vet school require a **personal statement** and **letters of recommendation/evaluation**. The number of required letters varies by school. For the WCU Pre-Medical program, you will need to collect a minimum of 5 letters of recommendation (one from a veterinary) and have them submitted to the pre-med office prior to requesting an interview from the pre-medical committee. You should get to know your professors so that they know you well enough to write a thorough letter about your potential to be a successful veterinary student.



Director, Pre-Medical Program – Dr. Teresa Donze

WCU does not discriminate based upon any protected status.  
Please see [www.wcupa.edu/admin/social.equity/](http://www.wcupa.edu/admin/social.equity/)

Edited

Pre-Medical Office  
Schmucker Science South 117  
West Chester, PA 19383  
610-436-2978  
[pmed@wcupa.edu](mailto:pmed@wcupa.edu)