

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, Penn State-Main Campus, Drexel University, etc...
Professional Organization Websites	Association of American Veterinary Medical Colleges aavmc.org
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

Biological Sciences with labs (8 hours)		
BIO 110 General Biology, BIO 217 Zoology, BIO 220 Cell Physiology		
Course	Term	Grade
Genetics (required by most schools)		
Course	Term	Grade
BIO 230		
Microbiology (required by most schools)		
Course	Term	Grade
BIO 214		
General Chemistry with lab		
Course	Term	Grade
CHE 103 & CRL 103		
CHE 104 & CRL 104		
Organic Chemistry with lab		
Course	Term	Grade
CHE 231 & CRL 231		
CHE 232 & CRL 232		
Biochemistry (1 course)		
Course	Term	Grade
CHE 476		
Social Science or Humanities (2 courses)		
Course	Term	Grade

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

* Does not count as a Biology major elective

Sample Course Plan of Pre-Vet Requirements

Semester 1

CHE 103
CRL 103
BIO 110
WRT 120
MAT 121

Semester 2

CHE 104
CRL 104
BIO 217
WRT 2XX
MAT 145

Semester 3

CHE 231
CRL 231
PHY 130
BIO 230
General/Major Electives

Semester 4

CHE 232
PHY 140
BIO 220
General/Major Electives

Semester 5

CHE 476
General/Major Electives

Semester 6

General/Major Electives

Semester 7

General/Major Electives

Semester 8

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.

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-Reiner

WCU does not discriminate based upon any protected status.
Please see www.wcupa.edu/admin/social.equity/

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Pre-Medical Office
Schmucker Science South 117
West Chester, PA 19383
610-436-2978
pmed@wcupa.edu