



## Natural Sciences Pre-Veterinary Medicine

### Program Overview:

- Pre-veterinary students at Daemen College typically major in Biology or Biochemistry as these majors include all of the courses required for acceptance into veterinary medical school and provide students with a strong scientific background leading to success in their professional program.
- Students in these majors gain hands-on experience through researching with a faculty mentor for two years and completing a senior thesis based on their research.
- Study abroad experiences are also encouraged to enhance global and cultural awareness.
- Service learning is required for all majors at Daemen College which is congruent to the mission of many medical schools.
- Internship opportunities with local vet clinics, animal shelters, wildlife rehabilitation facilities and zoos.
- Core concentrations in health policy can set you apart from other pre-veterinary students.

### Become a Pre-Veterinary Major at Daemen College:

- Strong scientific preparation by highly qualified faculty
- Hands on research requirement with Natural Science faculty having a wide variety of research interests in areas such as: wound healing, developmental biology, animal behavior, forensic science, marine biology, physical chemistry of wound dressings, ecology, anatomical evolution, environmental chemistry, microbiology, organic chemistry, and brain electrical activity
- State of the art laboratories and equipment
- Pre-veterinary advisors
- Internships to gain experience working with animals



## Unique 3+ 4 Program with Lincoln Memorial University College of Veterinary Medicine:

Daemen College and Lincoln Memorial University College of Veterinary Medicine have partnered to offer highly qualified students an opportunity to earn their Doctor of Veterinary Medicine in 7 years. 20 students are accepted as freshmen into this program annually and are considered for admittance in the LMU-CVM program as long as they meet program requirements including a specified grade point average. After successful completion of their first year of veterinary medical school, a B.S. in Natural Sciences will be conferred by Daemen College.

Lincoln Memorial University's College of Veterinary Medicine is located in the beautiful rolling hills of Harrogate, Tennessee with state-of-the-art facilities. Students begin hands-on training with animals in their first semester with a wide variety of species located at LMU-CVM's DeBusk Veterinary Teaching Center housed on 700 acres in Ewing, Virginia (12 miles from main campus). Fourth year clinicals are offered off-site including future locations in Western New York.

## Recent Graduates:

- Graduates have attended Cornell University, North Carolina State University, Ross University, Purdue University, University of Tennessee and others.
- Graduates now practice as licensed veterinarians in veterinary clinics throughout the US, as an anesthesiology resident at Mississippi State University College of Veterinary Medicine and at the Houston Zoo.

## Requirements for Specialization in Pre-Professional Track:

- A cumulative quality point average and science GPA of 3.0 earned before entry to upper division.
- A minimum grade of a B and an average of 3.2 earned in the following courses: BIO 109-110, 109L-110L, CHE 110-111, 301-302, 301L-302L; MTH 144; BCH 313, NSC 231.

## Requirements for Recommendation for Admission to Veterinary schools:

- Senior status in Pre-Professional program, a cumulative quality point average of 3.2, and an average of B earned in mathematics and science courses in first three years.

## Recommended courses for Pre-Veterinary Track:

### Science:

General Biology I and 2  
Inorganic Chemistry I and 2  
Organic Chemistry I and II  
Physics I and II  
Biochemistry  
Genetics  
Microbiology  
Cell Biology  
Comparative Vertebrate Anatomy  
Comparative Vertebrate Physiology

### Related Electives:

Molecular Biology  
Animal Behavior  
Conservation Biology  
Immunology  
Environmental Toxicology  
Foundations in Public Health  
Environmental Health  
Intro to Epidemiology

### \*Admittance to Lincoln

**Memorial University College  
of Veterinary Medicine –  
students must meet all of the  
program requisites, criteria,  
and standards.**

### Core Curriculum (45 credits required):

English Composition  
Advanced Composition  
Calculus & Analytic Geometry I  
Psychology and/or Sociology  
Statistics