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

**Core Curriculum (45 credits required):**
- English Composition
- Advanced Composition
- Calculus & Analytic Geometry I
- Psychology and/or Sociology
- Statistics

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

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