

# PRE-VETERINARY MEDICINE

## Wright State University



### Veterinary Medicine: Education

Currently, there are **28 veterinary schools** in the U.S. that graduate 2,500 veterinarians each year. These schools are at full capacity and are working on ways to increase classrooms, research facilities and teaching laboratories. With today's shortage, plus the projected need over the next 20 years, it is estimated there will be a shortage of over 15,000

veterinarians. Ohio has one of the largest veterinary schools located at The Ohio State University. This is fortunate for pre-vet students since OSU is a public institution that gives **preference to Ohio residents** (\$27,135/yr). Admission is very competitive; with only 162 seats available, OSU receives close to 800 applications each year.

### CORE PRE-REQUISITES

#### THE OHIO STATE UNIVERSITY COLLEGE OF VETERINARY MEDICINE

English	ENG 1100 & 2100
Biology	BIO 1120 & 1150
Physics	PHY 1110 & 1120
General Chemistry	CHM 1210 & 1220
Organic Chemistry	CHM 2110 & 2120
Biochemistry	BMB 4210 & 4230
Genetics	BIO 2110
Microbiology	BIO 3100/3110
Mathematics	MTH 1340

**Humanities/ Social Sciences:**  
14 semester credits from GE courses;  
e.g., SOC & EC

**Electives: (e.g., anatomy, classics, communication, immunology, journalism, management, physiology or animal behavior)**

**All science courses must include laboratory.**

### Reasons to Choose Veterinary Medicine as a Career

Individuals interested in studying veterinary medicine have a strong desire to work with animals and this profession recruits people from all types of backgrounds with diverse goals. *There are many reasons students choose veterinary medicine as a career.* **Salary:** according to the Bureau of Labor & Statistics, veterinarians earned a mean annual wage of \$92, 570 in 2010. **Satisfying**

**professional career:** many veterinarians enjoy the independence and autonomy of owning their own practice and the flexibility of determining their practice hours (thus allowing more time for personal life). **Excellent career outlook:** increasing demands by animal owners and production animal managers is resulting in a demand for additional veterinarians in companion and production animal practice.

# The OSU College of Veterinary Medicine Enrollment Statistics 2011

Total Applicants	Total Matriculants	Male/Female	Mean Age	Mean GPA	Mean GRE Score
788	162 (99 from Ohio)	19/143	23	3.65	1192

## Veterinary Medicine and Wright State University

Wright State University offers all the courses necessary to meet the requirements for entry to Veterinary Medicine programs. We also have a pre-vet student organization that helps provide additional information through guest speakers, handouts, and tours to vet hospitals, zoos, or schools. The OSU College of Veterinary Medicine recommends an undergraduate degree, but does not require it. A look at admission statistics shows, however, that the overwhelming majority of admitted students do have a B.A. or a B.S. To be eligible for admission, applicants must have earned 78-82 college semester-credit hours. **No more than one required prerequisite course may remain to be completed by the end of the fall semester of the academic year in which a student applies.**

In addition, a grade of C or better must be earned in all prerequisite course work and a minimum undergraduate GPA above a 3.0. In addition, official GRE/MCAT scores must be submitted along with an application through VMCAS. Candidates must also have proof of a **minimum of 80 hours of veterinary experience**, and preferred exposure to large animals, exotic traditional pets, and zoo populations. **The 2015 class at The Ohio State University had an average of 1,702 veterinary experience hours.**

## Veterinary Medicine: A Dynamic Field

The continual growth in U.S. pet ownership combined with the higher expectations for the health and safety of the pets has resulted in a serious shortage of veterinarians.

The job market is in dire demand for veterinarians to provide services in a variety of public practice areas.

- USDA (Food Safety & Animal Disease Control)
- Biosecurity & Homeland Security
- Research on domestic and foreign animal diseases
- Public health service & animal diseases affecting humans
- Rural communities & urban centers without veterinary services
- Wildlife disease control
- Animal care & welfare
- Laboratory animal care & research

**Bioterrorism & National Security:** there is an extreme shortage of veterinarians who enter research and public practice. Many doors will be open for those who pursue this path.

**Ecological Health:** there is a demand for veterinary expertise on issues pertinent to the environment, conservation, agriculture and wildlife management.

**Increased specialization in the future:** not only are practices focused on large or small animals, they are also specializing in critical care, dentistry, dermatology, internal medicine, radiology, ophthalmology and surgery.

**Working with federal agencies:** veterinarians are hired by the U.S. Department of Agriculture, Food and Drug Administration, Centers for Disease Control and Prevention, Department of Defense, and the U.S. Fish and Wildlife Service.

**The demand for veterinarians in all areas of employment is projected to increase in the future.** Pet owners are also purchasing pet insurance and spending more and more on care for their pets.

## Wright State University College of Science & Mathematics

For additional information please visit our website:  
<http://www.wright.edu/cosm/premed>

Or contact the advisors:

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