



## Health Sciences Minor

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## Preparing to Enter Veterinary Medical Colleges

The following selection of college offer a degree in Doctor of Veterinary Medicine (DVM). To see a complete list of US medical college, please visit the [American Veterinary Medical Association](#).

- [Cornell University College of Veterinary Medicine, NY](#)
- [Long Island University College of Veterinary Medicine](#)
- [Purdue University College of Veterinary Medicine](#)
- [Michigan State University College of Veterinary Medicine](#)
- [North Carolina State University Veterinary Medicine](#)
- [The Ohio State University College of Veterinary Medicine](#)
- [Tufts University Cummings School of Veterinary Medicine, MA](#)
- [University of California Davis](#)
- [University of Illinois at Urbana Champaign College of Veterinary Medicine](#)
- [University of Georgia - College of Veterinary Medicine](#)
- [University of Pennsylvania Veterinary Medicine](#)
- [Virginia-Maryland College of Veterinary Medicine](#)
- [University of Florida College of Veterinary Medicine](#)

**Required Courses<sup>1</sup>:** Students interested in applying to Medical Colleges must take a rigorous course load demonstrating willingness to challenge themselves. Completion of following courses is required before applying for admissions into Medical Colleges:

- **General Biology I & II:** BIOL105 AND BIOL 106
- **Microbiology:** BIOL 201
- **Genetics:** BIOL 285
- **Cell Biology:** BIOL 286
- **Anatomy & Physiology:** BIOL 325 AND BIOL 326
- **General Chemistry I & II:** CHEM 113 AND CHEM 114
- **Organic Chemistry I & II:** CHEM 251 AND CHEM 252
- **Biochemistry:** CHEM 371
- **General Physics I & II:** PHYS 121 AND PHYS 122 **OR** PHYS 145 AND PHYS 146
- **Statistics:** BIOL 230 OR DATA 205 OR PSYCH 107
- **Calculus:** MATH 141 or better
- 1 course in Nutrition: Recommended FNES 163<sup>2</sup>
- 2 courses in Arts and Humanities: History, Philosophy, Arts, etc.
- 2 courses in Behavioral and Social Sciences; Sociology, Psychology, etc.
- 2 courses in English Composition

**Recommended Courses:** In addition to the required courses above, veterinary colleges suggest that students choose several courses from the list of advanced level courses below.

- BIOL 226 – Comparative Anatomy
- BIOL 345 – Animal Behavior
- BIOL 360 – Histology
- BIOL 365 – Developmental Biology
- BIOL 366 – Immunology
- BIOL 369 – Virology
- BIOL 373 – Neurobiology
- CHEM 372 – Biochemistry II
- CHEM 376 – Biochemistry Lab
- **Suggested Minors:** [Biology](#), [Chemistry](#), & Health Sciences.

**Miscellaneous Requirements<sup>3</sup>:**

- Bachelor's Degree
- Register with Health Professions Advisory Office ([HPAS](#))
- Competitive cumulative and pre-requisite GPA
- Academic Research Experience
- **Veterinary Experience:** Minimum of 200 hours of veterinary medical profession (animal research, food animal production, aquatic, wildlife, zoological medicine, etc.)
- **Animal Experience:** All other animal related experiences will also be evaluated, such as working with livestock, breeding/ showing dogs or similar, working at a zoo, aquarium or pet shop, equestrian activities, volunteer time at an animal shelter/rescue, etc.
- Community service, volunteering, and altruistic endeavors (unpaid)
- Demonstrated leadership: club board member, mentoring, teaching, etc.
- Committee letter<sup>4</sup> or 3 Letters of Recommendation

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<sup>1</sup> – This is a comprehensive list of courses needed to apply to most Veterinary Medical Colleges. The exact prerequisite courses may vary between schools and must be verified with individual schools. This list is based on and derived from the admission's requirements for the year 2021-2022 of the aforementioned schools. Students are strongly encouraged to consult with their respective schools before applying.

<sup>2</sup> – FNES department permission required.

<sup>3</sup> – These requirements differ between programs and must be verified before applying.

<sup>4</sup> – You must register with Health Professions Advisory Services (HPAS) to receive a committee letter.