

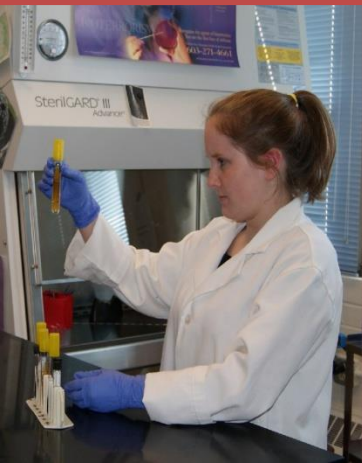


University of
New Hampshire

PRE-VETERINARY ADVISING PROGRAM

University of New Hampshire

College of Life Sciences and Agriculture



PROGRAM OVERVIEW

Students interested in veterinary medicine choose the University of New Hampshire for its excellent and proven advising and academic program. Our pre-veterinary students graduate with classroom learning, field experience, and clinical exposure. Critical factors leading to admission to veterinary school are:

- **Academic excellence (GPA > 3.5)**
- **High test scores on entrance exams (e.g. GRE)**
- **Extra-curricular experiences that document a passion for veterinary medicine**
- **Strong letters of recommendation**
- **Demonstration of interpersonal skills during veterinary school interviews**

Our committed faculty advisors assist students through the entire process of selecting courses, exploring professional options, and applying to veterinary schools. With so many opportunities available, your pre-veterinary advisor is there to help you plan for a successful career in veterinary medicine.

WHAT'S GREAT ABOUT THE UNH PRE-VET PROGRAM?

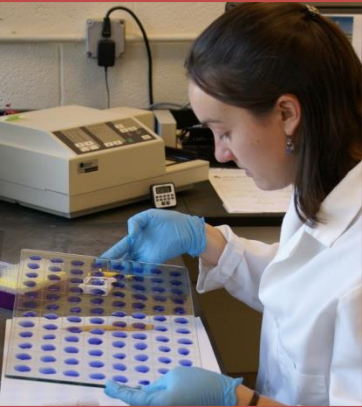
- Popular program with ~200 pre-vet students
- Exceptional faculty advisors (many of them veterinarians)
- Rigorous academic programs that meet requirements for veterinary school admission and that offer animal science courses along with advanced biomedical science courses
- Diverse hands-on learning experiences at our dairy and equine centers and in the NH Veterinary Diagnostic Laboratory
- High veterinary school acceptance rate

Meet with any of our
pre-veterinary advisors

www.prevet.unh.edu

Ph: 603-862-3757





SELECTED HANDS-ON ANIMAL SCIENCE COURSES

- Animal Behavior (ZOOL 613)
- Dairy Selection (AAS 423)
- Equine Diseases (ANSC 620)
- Equine Sports Medicine (ANSC 725)
- Intro to Dairy Herd Management (AAS 425)
- Large Animal Behavior and Handling (AAS 421)
- Reproductive Management and Artificial Insemination (ANSC 724)

SELECTED BIOMEDICAL SCIENCE COURSES

- Dairy Cattle Diseases (AAS 574)
- Endocrinology (BMS 702)
- Grand Rounds (BMS 712)
- Immunology (BMS 705)
- Infectious Disease & Health (BMS 703)
- Mammalian Physiology (BMS 718)
- Pathologic Basis of Disease (BMS 704)
- Companion Animal Diseases (AAS 527)
- Toxicology (BMS 711)
- Principles of Nutrition (ANSC 609)

CREAM (ANSC 698)

UNH is one of only three universities in the country with an intensive hands-on year long class where students manage every aspect of a dairy herd, from animal care and herd health to making business decisions. Students apply the knowledge they gain in other classes in addition to building decision-making and teamwork skills.

<http://www.unh.edu/cream/>

SHOALS MARINE LABORATORY

Takes students out of the classroom and into the field to immerse them in intensive, hands-on summer courses or research opportunities, including Marine Vertebrate Anatomy, Marine Ecology, Ornithology, and Wildlife Forensics.

http://www.sml.unh.edu/sml_welcome.html

RESEACRCH OPPORTUNITIES

In the many university farms and laboratories

TRAVEL OPPORTUNITIES

- EcoLife Vets-in-the-Wild (South Africa)
- Ecoquest New Zealand
- International Research Opportunities Program
- Integration of Culture and Agriculture in Ireland (ANSC 510)
- Traditional semester abroad
- National Student Exchange

EXTRACURRICULAR ACTIVITIES

- Active Pre-Veterinary Club with several activities each month including hands-on workshops, guest speakers, field trips and social events
- Dairy and Horsemen's Clubs, Collegiate Future Farmers of America, Sigma Alpha Agricultural Sorority, Birding Club, Animal Welfare Alliance and Equestrian Team
- UNH Therapeutic Riding Program

VETERINARY SCHOOL REQUIREMENTS

CURRICULUM

The pre-veterinary curriculum involves a rigorous set of core science courses needed for entrance into most veterinary schools.

Shown below are the core academic requirements for veterinary school admission with the corresponding UNH course numbers.

- Two semesters of biology (with lab) **BIOL 411 and 412**
- Two semesters of general chemistry (with lab) **CHEM 403 and 404**
- Two semesters of organic chemistry (with lab) **CHEM 651/3 and 652/4**
- Two semesters of physics (with lab) **PHYS 401/2 or 407/8**
- One semester of calculus **MATH 424B**
- One semester of statistics **BIOL 528**
- One semester of biochemistry (with lab) **BMCB 658/9**
- Two semesters of English **ENGL 401 and one other**
- One semester of genetics **GEN 604**
- One semester of microbiology **BMS 503**

WHAT MAJOR SHOULD I CHOOSE?

Because admission to veterinary school is highly competitive, students should choose an academic program that deeply interests them. Simply taking the prerequisite courses required by veterinary schools without considering alternate career goals is not advisable. The majority of UNH students accepted into veterinary school have pursued academic programs in one of the biological sciences in COLSA (e.g., Animal Science, Biomedical Science: Medical & Veterinary Science, Equine Studies, Zoology), although any academic program that includes the prerequisite courses can be considered. There are also opportunities for dual majors, minors and other combined programs which can be designed to match your career goals.



Recommended Course Sequence for Pre-Veterinary Students

	Fall Semester	Spring Semester
First Year	<ul style="list-style-type: none"> <input type="checkbox"/> BIOL 411 – Principles of Biology <input type="checkbox"/> CHEM 403 – General Chemistry <input type="checkbox"/> ENGL 401 - First-Year Writing <input type="checkbox"/> XXX 401 – Intro to your major <input type="checkbox"/> Discovery course 	<ul style="list-style-type: none"> <input type="checkbox"/> BIOL 412 – Principles of Biology <input type="checkbox"/> CHEM 404 – General Chemistry <input type="checkbox"/> MATH 424B – Calculus for Life Sciences <input type="checkbox"/> Discovery course
Second Year	<ul style="list-style-type: none"> <input type="checkbox"/> GEN 604 – Principles of Genetics <input type="checkbox"/> CHEM 651/653 – Organic Chemistry I <input type="checkbox"/> ANSC 511/BMS 507 – Anatomy & Physiology I <input type="checkbox"/> Discovery course 	<ul style="list-style-type: none"> <input type="checkbox"/> BMS 503 – General Microbiology <input type="checkbox"/> CHEM 652/654 – Organic Chemistry II <input type="checkbox"/> ANSC 512/BMS 508 – Anatomy & Physiology II <input type="checkbox"/> Discovery course
Third Year	<ul style="list-style-type: none"> <input type="checkbox"/> PHYS 401 – Introduction to Physics <input type="checkbox"/> BMB 658/659 - General Biochemistry <input type="checkbox"/> BIOL 528 – Applied Biostatistics <input type="checkbox"/> Major Elective 	<ul style="list-style-type: none"> <input type="checkbox"/> PHYS 402 – Introduction to Physics <input type="checkbox"/> Major elective <input type="checkbox"/> Major Elective <input type="checkbox"/> Discovery course
Fourth Year	<ul style="list-style-type: none"> <input type="checkbox"/> Major Elective (Capstone experience) <input type="checkbox"/> Major Elective <input type="checkbox"/> Elective <input type="checkbox"/> Elective 	<ul style="list-style-type: none"> <input type="checkbox"/> Major Elective <input type="checkbox"/> Major Elective <input type="checkbox"/> Elective <input type="checkbox"/> Elective

The student should work with their advisor to manage study abroad programs, independent investigations, capstone experiences, internships, research experiences, community service and leadership opportunities into their chosen major. The rewards are endless!