

WHAT IS ANIMAL SCIENCE?

Animal Science is the biology, behavior and management of zoo/exotic and companion animals, equine, livestock and laboratory animals. At UVM, animal science majors gain a foundation in animal welfare, biology, nutrition, genetics, behavior, reproduction, anatomy and physiology. Students gain the academic foundation to prepare them for careers as nutritionists, animal managers, zookeepers, research technicians and many more.

WHY ANIMAL SCIENCE AT UVM?

- Based in the College of Agriculture and Life Sciences, animal science students gain perspective on the interconnections between animal, environmental and human health. They work directly with faculty to address real-world challenges – from supporting sustainable food animal production to improving animal health and wellbeing through nutrition, management and disease prevention.
- A science-based curriculum that offers customized programs of study aligned with student interests. Popular concentrations include: Pre-veterinary/Pre-professional Science; Zoo, Exotic and Companion Animals; Equine Science; Dairy Science/Management.
- Hands-on experience from day one through coursework, research, internships and extracurricular opportunities in our laboratories and state-of-the-art teaching facilities.
- Experienced faculty advisors provide individualized guidance to assist students in designing an academic pathway that expands their career opportunities.
- Students graduate with a strong pre-professional education and are prepared to succeed in veterinary or other graduate programs.



ASCI 4990: Boot Camp in Alpaca Husbandry teaches students principles in alpaca husbandry by working with a herd of 400 alpacas on the Mazar Wildlife Reserve in Cuenca, Ecuador.

CORE COURSES

ASCI 1000
Introductory Animal Science

ASCI 1040
Intro to Animal Nutrition

ASCI 2110
Animal Anatomy

ASCI 2130
Animals in Society/Animal Welfare

ASCI 2160
Animal Genetics

ASCI 3150
Physiology of Reproduction

ELECTIVE COURSES

ASCI 1090
One Health: An Exploration

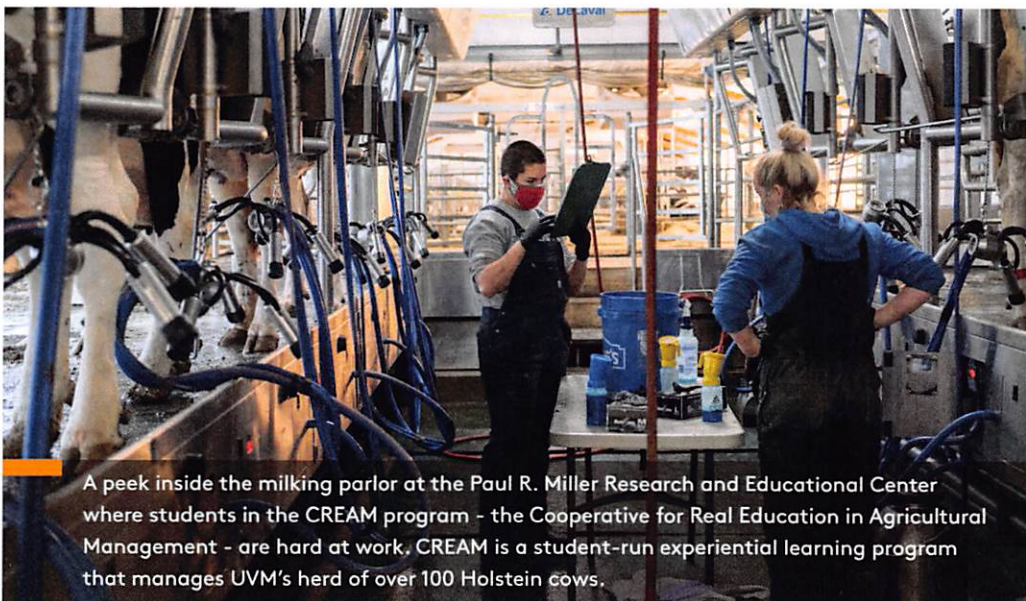
ASCI 1500
Companion Animal Care & Management

ASCI 2420
Equine Training Techniques

ASCI 2600
Zoos, Exotics and Endangered Species

ASCI 3280
Clinical Topics: Livestock Medicine

*Sampling of courses only.
Explore more course options
on our website.*



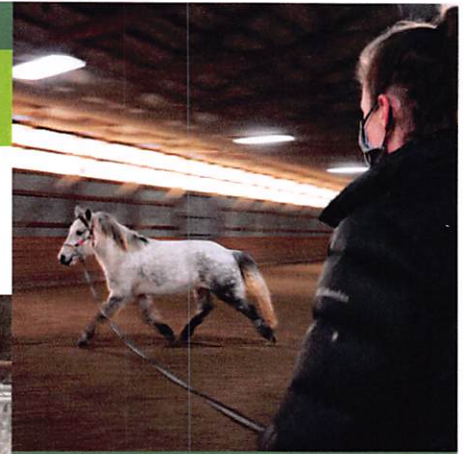
A peek inside the milking parlor at the Paul R. Miller Research and Educational Center where students in the CREAM program – the Cooperative for Real Education in Agricultural Management – are hard at work. CREAM is a student-run experiential learning program that manages UVM's herd of over 100 Holstein cows.

LEARN MORE AT
go.uvm.edu/asci

STUDENT SPOTLIGHT

Working with Siberian Huskies makes early mornings worth it, says animal science major Megan Gervais. She's spent the past year interning at These Woods Kennels, a sled dog racing kennel and touring operation in Underhill, Vt. There, she's responsible for feeding the dogs, cleaning their kennels and harnessing them up for runs.

"As an aspiring vet, it's really helpful to be around the dogs every day and to learn about what causes injuries or illnesses, as well as just observing their behaviors around each other and people," she says.



The Ellen A. Hardacre Equine Center is home to the UVM Cooperative Horse Barn, the UVM Dressage Team and hosts several courses.

ALUMNI IN ACTION

"As a zookeeper, I'm often asked how I got my job and I'm always proud to share that I started it at UVM."

- Lindsay King '04, San Diego Zoo



San Diego Zoo senior zookeeper **Lindsay King** graduated with her B.S. in Animal Science in 2004 and has dedicated her career to supporting animal well-being and conservation efforts around the world.

While at UVM, Lindsay took courses in zoos, exotics and endangered species and interned at the Oregon Zoo, Maryland Zoo and Tiger Creek Wildlife Refuge in Texas, which helped her secure a job after graduation at the San Diego Zoo. While on a zookeeper exchange at the Melbourne Zoo, Lindsay discovered her love for koalas and is presently the primary keeper of the largest collection of koalas outside of Australia.

STUDENT OPPORTUNITIES

**CALS DISTINGUISHED
UNDERGRADUATE
RESEARCH PROGRAM**

**CREAM & EQUUS
PROGRAMS**

DAIRY CLUB

**DRESSAGE TEAM &
EQUESTRIAN TEAM**

HORSE BARN CO-OP

**PRE-VETERINARY /
PRE-MEDICAL CLUBS**

**UVM MORGAN HORSE
FARM INTERNSHIP &
APPRENTICE PROGRAMS**

CONTACT

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**LEARN MORE AT
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