

COLLEGE OF NATURAL AND SOCIAL SCIENCES

BIOLOGY



PRE-VETERINARY PROGRAM

The pre-veterinary medicine curriculum at UNK is designed to comply with admission requirements of the veterinary medicine cooperative professional program at University of Nebraska-Lincoln/Iowa State University. This is the only such program with a contract relationship with Nebraska. Students start taking pre-veterinary classes at UNK and then if admitted into the professional program start classes at UNL and finish clinical courses at ISU. Students can be accepted into other veterinary programs.

Veterinarian job descriptions:

- Household animal veterinarians typically work in private clinics.
- Equine veterinarians treat horses.
- Livestock veterinarians treat farm animals.
- Research veterinarians work in laboratories where they research health problems in animals.

Reasons to choose biology at UNK

- Faculty in the UNK Biology department have a belief that biology “is doing, not seeing.”
- Hands-on learning is incorporated into the coursework.
- Students have options to conduct independent research projects with faculty guidance.
- Students have the opportunity for admittance into the NE-INBRE scholars program.

Alumni profile

When Abby Larson was asked how she chose her major, she was very specific. “To be honest, I didn’t choose to study pre-vet at UNK – it chose me,” said the 2014 UNK graduate and full-time vet school student at UNL/ISU.

When Larson started at UNK she was not a pre-vet student. However, through experiences in Biology Club, talks with her advisor, and taking some very enjoyable classes, she discovered what she truly wanted to do.

Larson’s research project involved uterine contractions in mice. “I was able to perform surgery on mice and then aid in their recovery – a task that not many get to do before vet school.”

The experience gave Larson a valuable set of skills that she says will certainly come in useful during school and beyond. “Because professors teach information and expect you to relate it to new things, classes at UNK teach you to think and not just memorize.”



ABBY LARSON

Places to engage

UNK students are encouraged to take part in all that the community offers and volunteer at places such as:

- Local vet clinics
- The local animal shelter



PRE-VETERINARY PROGRAM

FOUR YEAR CLASS SCHEDULE

The schedule is a guideline for progress toward a degree. Consult with your academic advisor.

<p>Semester 1 (14 credits)</p> <p>BIOL 105 Biology I CHEM 160 General Chemistry I ENG 101 English Composition Portal 188 (your choice)</p>	<p>Semester 2 (14 credits)</p> <p>BIOL 106 Biology II CHEM 161 General Chemistry II ENG 102 Writing & Research MATH By placement</p>
<p>Semester 3 (16 credits)</p> <p>BIOL 225 Anatomy/Physiology CHEM 360 Organic Chemistry I CHEM 360 Organic Chemistry I Lab BIOL 211 Human Microbiology SPCH 100</p>	<p>Semester 4 (15 credits)</p> <p>BIOL 226 Anatomy/Physiology CHEM 361 Organic Chemistry II CHEM 361 Organic Chemistry II Lab BIOL 290 Evolution BIOL 307 Ecology</p> <p><i>* Test for acceptance into professional program</i></p>
<p>Semester 5 (16 credits)</p> <p>CHEM 351 Biochemistry CHEM 351L Biochemistry Lab PHYS 205 General Physics I PHYS 205L General Physics I lab General Studies</p>	<p>Semester 6 (16 credits)</p> <p>BIOL 360 Genetics PHYS 206 General Physics II PHYS 206L General Physics II lab BIOL elective General Studies</p>
<p>Semester 7</p>	<p>Semester 8</p>

Completion of the first six semesters satisfies the requirements of the pre-veterinary program. Meet with your advisor for further counsel.



Biology organizations

- Biology Club
- Wildlife Society
- Sigma Xi

Did you know...?

Strong student-faculty relationships are a focal point of the UNK experience.
 Faculty interact on a personalized basis with students as teachers, advisors, mentors and friends.

The biology department is located in Bruner Hall and occupies over 20,000 square feet on two floors.
 Classroom laboratories, a 1,500-square-foot greenhouse, herbarium, mammal collection, and a Mobile Environmental Laboratory (MEL) are all maintained for teaching and research.

UNK Biology recently received the university-wide departmental teaching award.
 This award recognizes excellence in teaching among all NU campuses. Dedicated to challenging and motivating students, the teaching staff models what it means to be a life-long learner and inspires students to as well.

Scholarships available:

- Rex Carr Endowed Scholarship
- Laddie and Iris Bicak Family Scholarship
- Amanda Bosak Memorial Scholarship
- Harvey E. Cole Memorial Scholarship
- DeeAnna Delaet Endowed Scholarship
- Mildred Bensen Hansen Scholarship
- David J. Keen Jr. Memorial Scholarship
- John C. W. Bliese Biology Endowment

Personal traits for success:

A veterinarian has a mind for science and biology, is physically fit with strength for manual dexterity, demonstrates a passion for animals, values strong work ethics, exercises stamina to endure irregular or long hours, and shows courage when facing temperamental animals.

For more information, contact:

Dr. Joe Springer
 Professor, Chair of Department
 Bruner Hall of Science, 335B
 (308) 865-8920
 springerj@unk.edu

STUDENT PROFILE – Emily Plock

“What I like most about the biology department is the faculty members are **APPROACHABLE** and **WILLING** to help students succeed.”



Major: Pre-vet

Hometown: Burwell, Neb.

Graduation date: May 2016.