

COLLEGE OF NATURAL AND SOCIAL SCIENCES

BIOLOGY



BIOLOGY COMPREHENSIVE

Emphasis: Health Science

Students interested in pursuing a health career often select this emphasis since the rigor of a biology degree helps students “stand out” in the application process for a healthcare school. The courses of the degree allow students to focus their studies on biology while incorporating several classes that relate to healthcare instruction and preparation.

Undergraduates become aware of the dramatic impacts science has on human health, gain an understanding of disease and genetics, and realize their role in improving health in individuals. With this program, students are required to take classes in gross anatomy and biochemistry, and may select such classes as immunology, parasitology, infectious diseases and molecular biology.

This degree can apply for students going into healthcare programs such as:

- Medicine
- Optometry
- Dentistry
- Osteopathic Medicine
- Pharmacy
- Podiatry
- Chiropractic Medicine
- Health Information Management
- Physical Therapy
- Physician Assistant
- Mortuary Science
- Occupational Therapy
- Clinical Lab Sciences
- Radiologic Technology
- Cardiovascular Perfusion



Alumni profile

“It’s one thing to learn about science; it’s entirely different to get out there and do it,” said Kendra Harbison, a 2014 UNK graduate from Cozad, Neb.

“I did research for three years in the biology department, and I wouldn’t change it for anything.” As

an undergraduate, Harbison developed her own research projects and presented them at several conferences.

Through that experience, Harbison was able to work closely with other members of the faculty. “I enjoyed getting to know the faculty. Everyone wanted me to succeed, and they did an excellent job preparing me for professional school. Regardless of the hard work, they truly had my best interests at heart, and I am extremely grateful for that.”

Harbison says UNK is unique. “We get the benefits of a small school with the opportunities of a large one. On the other hand, the large number of opportunities at UNK allowed me to be actively involved on and off campus and take part in some organizations that smaller schools can’t offer.”

Harbison is in her first year at Southern College of Optometry in Memphis, Tenn.



KENDRA HARBISON

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 opportunity for admittance into the NE-INBRE Scholars Program.

BIOLOGY COMPREHENSIVE BACHELOR OF SCIENCE

Emphasis: Health Science

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 290 Evolution BIOL 225 Antmy. and Phys. I + Lab CHEM 360 Organic Chemistry I CHEM 360L Organic Chemistry I Lab SPCH Speech</p>	<p>Semester 4 (17 credits)</p> <p>BIOL 201 Biology Tools BIOL 225 Antmy. and Phys. II + Lab CHEM 361 Organic Chemistry II CHEM 361L Organic Chemistry II Lab Aesthetics General Studies Democracy General Studies</p>
<p>Semester 5 (14 credits)</p> <p>BIOL 305 Biological Statistics BIOL 360 Genetics BIOL 375 Scientific Communications PHYS General Physics I</p>	<p>Semester 6 (17 credits)</p> <p>BIOL 211 Human Microbiology BIOL 307 Ecology + Lab CHEM 351 Biochemistry + Lab Social Sciences General Studies Humanities General Studies</p>
<p>Semester 7 (16-18 credits)</p> <p>BIOL 420 Biology Research Biology elective Biology elective Social Sciences General Studies Capstone 388 (your choice) PE 460 Gross Anatomy</p>	<p>Semester 8 (14-15 credits)</p> <p>BIOL 420 Biology Research Biology elective Other Supporting courses Humanities General Studies Elective</p>



Student profile

“I am going into a health career, so I wanted a major that would fit my career choice the best. Comprehensive Biology with an emphasis in Health Sciences seemed like a major that would offer a lot of important background knowledge that will be super helpful when applying the information to real-life situations.”

Tad Fuchs

Hometown: Pierce, Neb.

Graduation date: May 2015.



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 do 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 successful biology student pays attention to details, communicates effectively, thinks critically, asks questions, observes patiently, works independently or on a team, and solves problems analytically.

For more information, contact:

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