



Gregg Wadley College of Science & Health Professions

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Science & Health Professions

NORTHEASTERN STATE UNIVERSITY

Tahlequah | Broken Arrow
Muskogee | Online

www.nsuok.edu/sciencehealth

Northeastern State University

Gregg Wadley College of Science & Health Professions

The College of Science and Health at Northeastern State University provides our students with an exceptional, quality education in the sciences. We place strong emphasis in the areas of physics, chemistry, contemporary biosciences, mathematics and computer science.

As the health care industry continues to expand, we strive to meet the increasing demand for skilled workers in the health professions by providing additional programming in the areas of medical laboratory science, dietetics and nutrition, nursing, occupational therapy and speech language pathology.

The courses feature active student engagement, hands-on inquiry, and computer simulations. The program emphasizes scientific and engineering practices, inquiry-based instruction and science content courses taught through inquiry.

NSU Pride Points:

- » Small class sizes for more personalized attention
- » Highly qualified faculty
- » As of Spring 2013, 90 percent of Chemistry majors were placed, 45 percent were employed and 45 percent continued to professional school
- » Modern facilities and instrumentation
- » Several research efforts have been published and presented
- » Engaging seminars offered throughout the year, as well as a variety of research opportunities available
- » Curricula aligned with the National Board for Professional Teaching Standards, state science standards, and the Next Generation of Science Standards
- » Computer Science Degrees are designed according to guidelines by Association for Computing Machinery (ACM) and the Institute of Electrical and Electronic Engineers (IEEE)
- » According to the U.S. Department of Commerce, science, technology, engineering and mathematics (STEM) careers are projected to grow almost twice the rate of non-STEM occupations; and command 26 percent more income than their non-stem counter-parts
- » Broken Arrow offers a math clinic that allows math students to tutor area elementary, middle school and high school students

Immersive Learning Opportunities:

There are various internships, research, clinical and immersive learning opportunities available to science and health professions students. These are an important part of your education, so you not only gain valuable experience, but you make important connections that give you an edge after you graduate. These experiences can often translate into college credits as well.

Student Organizations:

- » Pre-Professional Health Club
- » Student Occupational Therapy Association
- » Alpha Epsilon Delta (Premedical Honor Society)
- » Chemistry Club
- » Pre-Optometry Club
- » The Society of Physics Students
- » Student Nutrition Association

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Contact the following Department Chairs for more information:

Natural Sciences

Dr. Spence Pilcher
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Mathematics & Computer Science

Dr. Richard Hasenauer
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Health Professions

Dr. Sallie Ruskoski
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For more information on coursework, visit with your advisor. **Schedules** are also available online.



Natural Sciences Department

Research is a major part of the departmental program. Most biology majors and all chemistry majors are involved in undergraduate research with faculty mentors. Department faculty and their students publish journal articles and make presentations at professional scientific meetings. There are many opportunities for students who may be interested in doing scientific research.

Majors

- » Integrative Biology (*Organismic, Fisheries and Wildlife*^T)
- » Applied Physics
- » Cell and Molecular Biology
- » Chemistry (*Biochemistry, Professional and Environmental options*)
- » Science Education (*Biology, Chemistry, and Earth Space Science options*)

Graduate Degrees

- » Natural Science
- » Science Education^O

Mathematics and Computer Science Department

In today's information-driven society, people with good mathematical reasoning and problem solving skills are in high demand. Often industry seeks out people with degrees in mathematics not for any particular mathematical skill which they might possess, but rather for their problem solving skills.

Our major offers courses that provide a rigorous education in both the theoretical and applied aspects of computer science.

Majors

- » Computer Science
- » Mathematics
- » Mathematics Education

Graduate Degrees

- » Mathematics Education

Health Professions

The mission of the Department of Health Professions is to provide specialized education designed to prepare students whose career goals encompass the fields represented by the professional health programs within the Department.

Majors

- » Medical Laboratory Science (*Internship option 3+1*^{TB} or *Medical Lab Technician to Medical Lab Scientist*^O)
- » Nursing, RN to BSN^{M O}
- » Nutritional Sciences (*Dietetics*^M and *Allied Health*^T options)
- » Speech Language Pathology^M

Graduate Degrees

- » Master in Public Health^{M O} (*Global Health and Administrative/Leadership options*)
- » Nursing^{M O} (*Nursing Education, Nursing Informatics, Administrative Leadership in Nursing options*)
- » Occupational Therapy^M
- » Physician Assistant Studies^M
- » Speech Language Pathology^M

Pre-Health Professions

We also provide pre-professional health preparation in the areas of dental, dental hygiene, medical, nursing, occupational therapy, optometry, pharmacy, physical therapy, physician associate, medical imaging and radiation sciences and veterinary medicine. We provide personalized advising and individualized curriculum development to meet your educational goals.