



NORTHEASTERN STATE UNIVERSITY

Gregg Wadley College of Science & Health Professions

The College of Science & Health Professions at Northeastern State University provides our students with an exceptional, quality education in the sciences. In the sciences, we place strong emphasis in the areas of contemporary biosciences, chemistry, computer science, freshwater sciences, mathematics, mechanical engineering and physics. We also offer degrees focused on mathematics and science education.

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, physician assistant studies 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
- » 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 counterparts
- » 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
- » Fish and Wildlife
- » Engineering

DEGREES AVAILABLE

Undergraduate Programs

- » Cell and Molecular Biology
- » Chemistry, B.S. (*Biochemistry, Professional, Environmental Emphasis or Chemistry Education*)
- » Computer Science, B.S.
- » Freshwater Sciences, B.S.
- » Integrative Biology, B.S. (*Organismic, Biology Education or Fisheries & Wildlife Emphasis*)
- » Mathematics, B.S. (*Math Generalist, Math Education*)
- » Mechanical Engineering, B.S.
- » Medical Laboratory Science B.S.M.L.S. (**MLT to MLS degree completion program B.S.*)
- » *Nursing, R.N. to B.S.N.
- » *Nursing, B.S.N. (*Prelicensure*)
- » Nutritional Science, B.S. (*Dietetics or Allied Health*)

- » Physics, B.S. (*Applied Physics, Physics Education*)
- » Speech-Language Pathology, B.S.

Graduate Programs

- » Mathematics Education, M.Ed.
- » Medical Laboratory Science, M.S.M.L.S.
- » Natural Sciences, M.S.
- » Nursing, M.S.N. (*Administrative Leadership in Nursing, Nursing Education, Nursing Informatics*)
- » Occupational Therapy, M.S.
- » Physician Assistant Studies, M.S.
- » *Public Health, M.P.H. (*Public Health Leadership or Global Health*)
- » *Science Education, M.Ed.
- » Speech-Language Pathology, M.S.

PRE-HEALTH PROFESSIONS

NSU offers courses to meet the prerequisites for the following professional programs. These prerequisite courses (up to 18 hours) can count toward a pre-health minor for non-science majors:

- » Chiropractic
- » Dental Hygiene
- » Dentistry
- » Medical Imaging & Radiation Sciences
- » Medicine (*Allopathic & Osteopathic*)
- » Nursing
- » Occupational Therapy
- » Optometry
- » Pharmacy
- » Physical Therapy
- » Physician Assistant/Associate
- » Veterinary Medicine

POST BACCALAUREATE PRE-HEALTH CERTIFICATE PROGRAM

The post baccalaureate pre-health certificate program, offered on our Broken Arrow campus, targets students who have earned a non-science bachelor degree and provides them with the opportunity to obtain necessary prerequisites for competitive entry into their health professions program of interest.

<https://academics.nsuok.edu/prehealth/default.aspx>

Denotes online program*

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Contact the following Department Chairs for more information:

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Physical Sciences

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Mathematics & Computer Science

Dr. Martha Parrott
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Health Professions



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



www.nsuok.edu/sciencehealth



NORTHEASTERN
STATE UNIVERSITY

CAREER OPPORTUNITIES

- » Mathematician
- » Chemist
- » Statistician
- » Mechanical Engineer
- » Biological Scientist
- » Software Engineer
- » Computer Programmer
- » Math or Science Teacher
- » Nurse
- » Dietitian
- » Physician
- » Optometrist
- » Speech-Language Pathologist
- » Occupational Therapist
- » Physician Assistant
- » Veterinarian