



## Cleveland State University

### ***Signature Theme: Health***

Cleveland is home to a number of the nation's top institutions providing health care, medical education, medical research and technology. The Cleveland metropolitan area is served by 50 hospitals and employs more than 9,000 physicians and 23,000 health care professionals.

*“Northeast Ohio GRP for the biomedical sector has grown at an average of 7.4% annually, outpacing the nation’s average sector growth. Fueling this growth are historical assets including the region’s strength in healthcare, the legacy of skilled manufacturing, and new venture capital funding from outside of Ohio.*

*According to BioEnterprise—Northeast Ohio’s healthcare business formation, recruitment, and acceleration initiative—the regional biomedical industry has grown by more than 30% in the past five years. Northeast Ohio is now home to 600 biomedical companies, with many more starting or moving to the region each year.”* March 2009 Economic Reviews for Northeast Ohio.

### ***Cleveland State University educates the talent for the health care and bioscience industries.***

As the largest and fastest growing industry in Northeast Ohio, health care (and the supporting biomedical research community) is well served by professional programs in every CSU College: from nursing, physical therapy, biomedical engineering and medical physics to healthcare management, bioethics, health law and STEM teacher education. Large NIH, NSF and DOE grants support molecular medical research, STEM scholarships and graduate assistantships. Six major Choose Ohio First Scholarship awards help to support students in this area. In addition, a core of CSU federally-funded molecular biology researchers is making significant research discoveries in the genetic regulation of disease.

Our major partner is the world-renowned Cleveland Clinic with whom we collaborate on research, doctoral-level and professional education (including most recently an on-site MBA). In 2009, *U.S. News & World Report* "America's Best Hospitals" survey recognized Cleveland Clinic as one of the nation's best hospitals overall, ranking Cleveland Clinic as # 4 in the country. Over 100 Cleveland Clinic Lerner Research Institute researchers hold adjunct appointments at CSU.

In addition to our joint Doctor of Pharmacy Program, Northeastern Ohio Universities Colleges of Medicine and Pharmacy (NEOUCOM) and Cleveland State University have agreed to join forces to provide increased access to medical education for students in Northeast Ohio with an emphasis on urban primary care.

Two CSU Centers of Excellence have been identified:

### ***Gene Regulation in Health and Disease (GRHD) 21<sup>st</sup> Century Health Professions.***

# CSU Graduate, Undergraduate and Certificate Programs in Health-Related Fields

## DOCTORAL DEGREE

- Ph.D. in Regulatory Biology
- Ph.D. in Clinical/Bio-analytical Chemistry
- Doctor of Engineering in Applied Biomedical Engineering
- *Cellular and Molecular Medicine Specialization* (Ph.D. or Dr. E.)
- Ph.D. in Urban Education (Counseling Track)
- B.S./Doctor of Pharmacy (with NEOUCOM)
- Doctor of Physical Therapy
- Ph.D. in Psychology: *Adult Development* (with U Akron)

## SPECIALIST DEGREE (POST-MASTER'S DEGREE)

- Education Specialist in Counseling
- Psychology Specialist in School Psychology

## MASTER'S DEGREE

- Master of Science in Health Sciences
- Master of Science in Health Sciences: *Physician Assisting (with Tri-C)*
- Master of Public Health
- Master of Science in Nursing Population Health *Clinical Nurse Leader Forensic Nursing Education Nursing Executive*
- Master of Science in Nursing/Master of Business Administration
- Master of Social Work
- Master of Occupational Therapy

- Master of Arts in Speech Pathology and Audiology
- Master of Physical Therapy
- Master of Public Administration (*Specialization in Health Care Administration*)
- Master of Science in Chemistry
- Master of Science in Physics (*Medical Physics Specialization*)
- Master of Science in Biology
- Master of Arts in Psychology (*Clinical/Counseling Specialization*)
- Master of Education *Adult Learning and Development Community Agency Counseling Community Health Education Counselor Education Exercise Science School Counseling Sports Management Sports Management w/Sport & Exercise Psychology Sports Management/Exercise Science*
- Master of Education in Curriculum and Instruction *School Health Education Human Performance Sport and Exercise Psychology Physical Education Pedagogy*

## GRADUATE CERTIFICATE AND LICENSURE

- Adult Learning and Development
- Advanced Study in Bioethics
- Culture, Communication and Health Care
- Gerontological Studies
- Healthcare Informatics
- Graduate Certificate in Health Care Administration
- Research Administration

- Occupational / Physical Therapy in the Schools
- Nursing Education
- Multi-age Licensure: *Health Education*
- Ohio Licensure: *School Nurses*

## BACHELOR DEGREE

- Nursing
- Social Work
- Biology
- Biology: *Pre-Medical*
- Biology: *Biotechnology*
- Biology: *Medical Technology*
- Biology: (B.S.)/*Podiatric Medicine (Doctorate) with Ohio College of Podiatric Medicine*
- Chemistry
- Chemistry: *Pre-Pharmacy*
- Chemistry: *Biotechnology*
- Chemistry: (B.S./*Doctor of Pharmacy with NEOUCOM*)
- Health Sciences
- Health Sciences: *Associate Degree/Bachelor of Science*
- Health Sciences: *Pre-therapy*
- Health Sciences: (B.S.)/*Podiatric Medicine Doctorate) with Ohio College of Podiatric Medicine*
- Psychology
- Speech and Hearing
- Speech and Hearing: *School Audiology*
- Speech and Hearing: *School Speech-Language Pathology*
- Education: *Health Education*

## UNDERGRADUATE CERTIFICATE

- Bioethics
- Biotechnology
- Business Biotechnology
- Biotechnology, Engineering
- Cross-Cultural Communication
- Engineering Biotechnology
- Gerontological Studies
- Science Writing