The Department of Health Sciences at the Bouvé College of Health Sciences at Northeastern University provides a unique, transdisciplinary setting that incorporates academics, research, and practice and seeks to prepare students for a wide range of career paths. We offer an engaging undergraduate academic program in health sciences as well as graduate degree programs, including the Master of Public Health, focusing in urban health, and Master of Science in Exercise Science with Concentration in Physical Activity and Public Health.

Our diverse faculty has expertise in the fields of population health, health disparities, nutritional epidemiology, social epidemiology, exercise science, medical sociology, public policy, personal health technologies, neurodevelopmental disorders, and mental health. Students have the opportunity to work side by side with faculty in conducting cutting-edge research in these fields. We also have research staff highly skilled in providing unique, specialized dietary assessment services.

In line with Northeastern’s commitment to interdisciplinary research and urban engagement, we teach and work closely with many other schools, centers, and departments in the university, including the Institute on Urban Health Research (IUHR), the Center for Community Health Education Research and Service (CCHERS), and our National Institutes of Health- (NIH) funded Center for Population Health and Health Disparities (CCHERS), and as well as community agencies and neighborhood health centers in the local Boston area.

Certificates in Health Informatics

Northeastern’s graduate certificate programs provide high-quality, specialized training in health informatics and the opportunity to acquire and apply your knowledge quickly. In eight months, you can prepare for a key role in areas of the field offering ample career opportunities.

Three certificate programs enable you to choose the one that addresses your specific goals:

- Graduate Certificate in Health Informatics Management and Exchange
- Graduate Certificate in Health Informatics Privacy and Security
- Graduate Certificate in Health Informatics Software Engineering

Courses in the certificate program also apply toward master’s degree requirements. This gives you the flexibility to complete a certificate and be well on your way to earning a degree if you decide later to continue your education.

Programs

Doctor of Philosophy (PhD)

- Population Health (http://catalog.northeastern.edu/graduate/health-sciences/health-sciences/population-health-phd)

Master of Science (MS)

- Exercise Science with Concentration in Physical Activity and Public Health (http://catalog.northeastern.edu/graduate/health-sciences/health-sciences/exercise-science-concentration-physical-activity-public-health-ms)
- Health Informatics (http://catalog.northeastern.edu/graduate/health-sciences/health-sciences/health-informatics-ms)

Master of Public Health (MPH)

- Master of Public Health (http://catalog.northeastern.edu/graduate/health-sciences/health-sciences/mph)
- Health Data Analytics (http://catalog.northeastern.edu/graduate/health-sciences/health-sciences/data-analytics)

Graduate Certificates

- Health Informatics Management and Exchange (http://catalog.northeastern.edu/graduate/health-sciences/health-sciences/health-informatics-management-certificate)
- Health Informatics Privacy and Security (http://catalog.northeastern.edu/graduate/health-sciences/health-sciences/health-informatics-privacy-security-graduate-certificate)
- Health Informatics Software Engineering (http://catalog.northeastern.edu/graduate/health-sciences/health-sciences/health-informatics-software-engineering-graduate-certificate)

Dual Degree

- Pharmacy and Public Health, PharmD/MPH (http://catalog.northeastern.edu/graduate/health-sciences/pharmacy/pharmd-mph)

Courses

Health Sciences Courses

HSCI 5230. Clinical Nutrition Applications in Health and Disease. 3,4 Hours.
Prepares health professionals to effectively communicate principles of diet and nutrition to their clients and the public. Covers public health promotion strategies, techniques used to teach diet and nutrition, and behavioral theories used in diet and nutrition intervention. Emphasizes clinical applications for the treatment of weight disorders, diabetes, cardiovascular disease, eating disorders, and nutrition in the life cycle.
Prereq. Junior, senior, or graduate standing.

HSCI 5300. Patient-Centered Health Informatics. 3 Hours.
Introduces students to the ways in which personal health technologies (interactive computing applications used directly by nonprofessionals—social networking applications, mobile apps, and online communities) can support health promotion. This technology is transforming health promotion and management, and increased access presents opportunities as well as challenges. Covers three broad topics: the current state of disruptive technology in healthcare, empirical methods for establishing requirements for the design of new technologies, and designing innovative personal health technologies. Offers students an opportunity to learn the ways in which technology is transforming self-care and self-management and the skills to identify opportunities for future technological innovation. Prereq. Junior, senior, or graduate standing. Bouvé students only.
HSCI 6962. Elective. 1-4 Hours.
Offers elective credit for courses taken at other academic institutions.