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 engaging undergraduate academic programs that enable students to major or minor in health sciences, as well as several graduate degree programs, including the Master of Public Health focusing in urban health, the Master of Science in Exercise Science with Concentration in Physical Activity and Public Health, the Doctor of Philosophy in Population Health, and several dual-degree programs offered in conjunction with the School of Pharmacy, the School of Law, and the Physician Assistant Program.

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, among many more. 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 and Practice (IUHRP), the Center for Community Health Education Research and Service (CCHERS), the Social Science Environmental Health Research Institute (SSEHRI), and the Center for Health Policy and Healthcare Research (CHPHR), as well as community agencies and neighborhood health centers in the local Boston area.

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)

Master of Public Health (MPH)
- Master of Public Health (http://catalog.northeastern.edu/graduate/health-sciences/health-sciences/mph)

Dual Degree
- Law and Urban Public Health, JD/MPH (http://catalog.northeastern.edu/graduate/health-sciences/interdisciplinary/law-urban-public-health-jdmph)

- Pharmacy and Public Health, PharmD/MPH (http://catalog.northeastern.edu/graduate/health-sciences/pharmacy/pharmd-mph)
- Physician Assistant Studies and Master in Public Health, MS/MPH (http://catalog.northeastern.edu/graduate/health-sciences/physician-assistant/msmph)

Graduate Certificate
- Exercise Science for Clinicians (http://catalog.northeastern.edu/graduate/health-sciences/health-sciences/exercise-science-clinicians-graduate-certificate)

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.

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.

HSCI 6962. Elective. 1-4 Hours.
Offers elective credit for courses taken at other academic institutions. May be repeated without limit.