

School of Clinical and Rehabilitation Sciences

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The School of Clinical and Rehabilitation Sciences within the Bouvé College of Health Sciences at Northeastern University brings together the clinical fields of physical therapy (<https://bouve.northeastern.edu/physical-therapy/>), speech-language pathology and audiology (<https://bouve.northeastern.edu/csd/>), medical sciences, and physician assistant studies (<https://bouve.northeastern.edu/physician-assistant/>). Students and fellows in the school are prepared for clinical and research excellence, training with interdisciplinary experts in habilitation and rehabilitation sciences, epidemiology, neuroscience, engineering, physiology, exercise science, clinical medicine, design, diagnostic and therapeutic imaging, and communication. Working at the intersection of rehabilitation, clinical practice, data, and engineering, students and fellows engage in transformative research and experiential learning that is designed to prepare them to improve the quality of life and self-care for patients and communities, while promoting and developing innovative approaches to the future of healthcare.

Communication Sciences and Disorders

Our mission is to advance the science of human communication and its disorders, understand the science of human communication untethered from traditional limitations of the field, and make a direct impact on the world through targeted learning experiences and research opportunities, while creating an inclusive community. Our faculty are researchers, practicing clinicians, and scientists who bring real-world experience into the classroom to facilitate bench-to-bedside application. They develop, use, and address technology that improves communication and health beyond traditional boundaries.

The Department of Communication Sciences and Disorders offers a five-year PlusOne advanced degree pathway (BS-MS in Speech-Language Pathology) and a two-year Master of Science in Speech-Language Pathology degree. Our goal is to educate students to the highest levels of professionalism, consistent with the American Speech-Language-Hearing Association and the Council on Academic Accreditation,

Northeastern University accreditation standards, and Massachusetts licensure requirements. We provide an interprofessional and practice-oriented education in our urban university environment, which affords students clinical experiences with clients, patients, and families from a diverse population base. Students are prepared with academic coursework informed by the most current scientific knowledge and evidence-based clinical practice.

Master of Science (MS)

- Speech-Language Pathology (<https://catalog.northeastern.edu/graduate/health-sciences/clinical-rehabilitation-sciences/speech-language-pathology-ms/>)

Medical Sciences

The mission of the Department of Medical Sciences is to educate and inspire diverse and interdisciplinary professionals to be leaders and innovators in medical science. We offer an interdisciplinary doctoral degree in healthcare leadership, a Master of Science in Physician Assistant Studies, two interdisciplinary dual master's degree programs, and a graduate certificate in extreme medicine.

Our flagship program in PA studies was established in 1971 and has a long-standing history of, and expertise in, the education and training of PAs. The PA program is located in close proximity to Boston's major academic medical centers and was the first generalist PA training program in the nation to offer a master's degree in 1985. This rigorous, highly integrated curriculum offers our students the opportunity to obtain broad generalist training that is designed to prepare them for successful employment in all fields of clinical practice.

The Doctor of Medical Science (DMSc) in Healthcare Leadership is an interdisciplinary online degree for healthcare professionals from diverse backgrounds to advance their education and expand their career opportunities in the areas of healthcare leadership, entrepreneurship, medical education, and community engagement and advocacy.

The Graduate Certificate in Extreme Medicine is an online interprofessional program offered in collaboration with World Extreme Medicine. The program is designed to prepare healthcare professionals to provide medical services in austere conditions. The core didactic courses provide foundational instruction in human factors, crisis resource management, efficiency of highly skilled teams, and theory and ethics of care in humanitarian crises.

Our faculty members are practicing clinicians, researchers, and healthcare leaders who bring real-world experience to the classroom. Northeastern University's graduates are in high demand and are employed in positions across the United States and internationally. In addition to clinical practice, our graduates are employed in research, administration, education, and leadership.

Doctor of Medical Science (DMSc)

- Healthcare Leadership (<https://catalog.northeastern.edu/graduate/health-sciences/clinical-rehabilitation-sciences/healthcare-leadership-dmssc/>)

Master of Science (MS)

- Physician Assistant (<https://catalog.northeastern.edu/graduate/health-sciences/clinical-rehabilitation-sciences/physician-assistant-studies-ms/>)

Dual Degree

- Health Informatics, MS / Physician Assistant, MS (<https://catalog.northeastern.edu/graduate/health-sciences/clinical-rehabilitation-sciences/physician-assistant-studies-ms-health-informatics-ms/>)
- Physician Assistant, MS / Public Health, MPH (<https://catalog.northeastern.edu/graduate/health-sciences/clinical-rehabilitation-sciences/physician-assistant-studies-ms-public-health-mph/>)

Graduate Certificate

- Extreme Medicine (<https://catalog.northeastern.edu/graduate/health-sciences/clinical-rehabilitation-sciences/extreme-medicine-graduate-certificate/>)

Physical Therapy, Movement, and Rehabilitation Sciences

The mission of the Department of Physical Therapy, Movement, and Rehabilitation Sciences is to impact the health and well-being of the global community by developing leaders in our fields through interprofessional experiential education, translational research, and excellence in clinical practice. This aligns well with the mission and academic plans of Bouvé College of Health Sciences and Northeastern University. That is, the programs within the department enhance and extend students' learning through experiential education, interdisciplinary collaborations, interprofessional education, and research opportunities, making an impact across our global campus and beyond. Our faculty members are leaders in education, research, and practice. Students have the opportunity to work with faculty to conduct ongoing research in one of the many diverse Department of Physical Therapy, Movement, and Rehabilitation Sciences' research groups and laboratories, including Neuromotor Systems Laboratory, Laboratory for Locomotion Research, ReGame-XR Laboratory, Movement Neuroscience Laboratory, Musculoskeletal Epidemiology and Biomechanics Laboratory, Neurophysiology Laboratory, Occupational Biomechanics and Ergonomics Laboratory, Teaching and Learning with Innovation Laboratory, the Programmable and Reconfigurable Soft Engineered Systems Lab, and the Center for Cognitive and Brain Health.

Our flagship program is the Doctor of Physical Therapy. It is one of the oldest programs within Bouvé with the first graduates in 1915. The 37-month program provides comprehensive and rigorous graduate-level courses with a unique and valuable cooperative education experience, a six-month paid work opportunity in a physical therapy setting. In addition, concentrations are available in sports performance and pediatric physical therapy.

The PhD in Human Movement and Rehabilitation Sciences prepares its graduates to conduct independent (original) basic, translational, and applied research to restore and maximize human functional capacity and well-being across the life span. The interdisciplinary program and its faculty emphasize core competencies in motor control and motor learning, movement measurement and analysis, knowledge translation theory, and the use of traditional and emerging technologies.

The new Master of Science in Human Movement and Rehabilitation Sciences at Northeastern University prepares students through revolutionary breakthroughs about how our bodies can work better. This 12-month program focuses on innovative rehabilitation solutions through enhanced research and education on topics including, but not limited to, biomechanics, musculoskeletal disorders, control of movement, motor learning, health and well-being through movement and design, human-cybernetic system interactions, and neurorehabilitation of movement and function. We offer this master's as a PlusOne option with several other Northeastern departments, especially within the College of Engineering.

The Department of Physical Therapy, Movement, and Rehabilitation Sciences has partnered with Massachusetts General Hospital Sports Physical Therapy to offer a 13-month full-time clinical residency program for physical therapists interested in pursuing a career in sports physical therapy. This program advances the knowledge and clinical competency of sports physical therapists, as well as to foster a culture of continued learning and scientific inquiry while demonstrating a commitment to patients, students, and athletes at all levels.

Doctor of Philosophy (PhD)

- Human Movement and Rehabilitation Sciences (<https://catalog.northeastern.edu/graduate/health-sciences/clinical-rehabilitation-sciences/human-movement-rehabilitation-sciences-phd/>)

Doctor of Physical Therapy (DPT)

- Doctor of Physical Therapy—Postbaccalaureate Entry (<https://catalog.northeastern.edu/graduate/health-sciences/clinical-rehabilitation-sciences/dpt-post-baccalaureate-entry/>)
- Transitional Doctor of Physical Therapy—Direct Entry (<https://catalog.northeastern.edu/graduate/professional-studies/doctoral-degree-programs/physical-therapy-dpt-direct-entry/>) (with the College of Professional Studies)

Master of Science (MS)

- Human Movement and Rehabilitation Sciences (<https://catalog.northeastern.edu/graduate/health-sciences/clinical-rehabilitation-sciences/human-movement-rehabilitation-sciences-ms/>)