

School of Clinical and Rehabilitation Sciences

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The School of Clinical and Rehabilitation Sciences (SoCRS) 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 (<https://bouve.northeastern.edu/csd/>), 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 prepares 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

The Department of Communication Sciences and Disorders (CSD) offers an undergraduate major (Bachelor of Science in Speech-Language Pathology and Audiology), two combined majors, and three undergraduate minors.

Speech-language pathologists and audiologists are involved with the evaluation, treatment, counseling, and research of human communication and its disorders. They provide clinical services to a full range of individuals with communication delays/differences/disorders, from infants through geriatrics. Speech-language pathologists treat disorders such as developmental language and articulation disorders; voice and resonance problems; stuttering; pediatric and adult swallowing disorders; and language and cognitive impairments due to stroke, head injury, and progressive neurological disease. Audiologists specialize

in the prevention, identification, assessment, and rehabilitation of hearing disorders for individuals with congenital and acquired hearing impairments. Both speech-language pathologists and audiologists require graduate education to practice as certified and licensed clinicians.

BS in Speech-Language Pathology and Audiology

The Bachelor of Science degree program in speech-language pathology and audiology (SLPA) includes an experiential learning component, a broad-based academic core, and the scientific and clinical courses necessary for understanding normal and disordered communication. The degree offers preprofessional training for individuals who want to pursue graduate education. Alternatively, graduates may be hired as speech-language pathology assistants in a variety of clinical settings or they may pursue other career paths in healthcare and education.

The SLPA curriculum is designed to facilitate critical thinking, information literacy, and oral and written communication skills. In addition to courses in the basic communication sciences, coursework in education, allied health, ethics, multicultural/diversity issues, and psychology is required. The curriculum provides a solid foundation in SLPA, and it is sufficiently flexible to provide students with the opportunity to minor in an area of related interest.

BS Combined Majors

Two combined majors are available for students to pursue: the Bachelor of Science in Communication Studies and Speech-Language Pathology and Audiology and the Bachelor of Science in Linguistics and Speech-Language Pathology and Audiology.

The combined major in linguistics and speech-language pathology and audiology provides students with extensive background in the formal structures of human language; the methods and applications of linguistic analyses of language data; the biology, neurology, and physics of the human vocal tract; and the nature of both normal and disordered human speech communication and language development. Students have an opportunity to develop critical thinking, information literacy, and strong oral and written communication skills. While on co-op, students gain clinical experience, including preprofessional training appropriate to pursue a graduate degree in SLPA, related clinical healthcare domains, or education.

The combined Bachelor of Science in Communication Studies and Speech-Language Pathology and Audiology offers an interdisciplinary approach to human communication and its disorders. Coursework focuses on the scientific and theoretical frameworks of speech, language, and hearing. Students will also be introduced to the fundamentals of communication theory, and they have an opportunity to acquire the practical skills necessary to thrive in a complex and changing society. The curriculum is enhanced by experiential learning opportunities in a clinical setting that prepare the students for a variety of professional careers.

Minors

Three minors are available for students to pursue. Two flexible minors allow students from various fields of study to enhance their academics with general courses related to the field of communication sciences, as well as specific courses covering topics such as audiology or speech-language disorders across the life span. A third minor allows students from various fields of study to learn about working with very

young children and their families and includes an experiential learning component. Advisors assist students with accommodating their interests in their curriculum plans.

COMMUNICATION SCIENCES AND DISORDERS MINOR

The Communication Sciences and Disorders (CSD) minor includes courses that offer exposure to a variety of aspects of the CSD field. Students progress to graduate programs in fields such as applied psychology, linguistics, neuroscience, and education, among others; but the minor does not by itself prepare students for admission to graduate programs in speech-language pathology or audiology. Speech-language pathology and audiology courses are designed to help students develop entry-level competencies that will enable them to function in a preprofessional capacity in educational settings, medical and rehabilitation centers, and private-practice clinics.

The CSD minor consists of one required foundation course taken prior to any core or elective courses, then two core courses and one elective from either the remaining core courses in the list or from a specified set of elective courses that are taught outside of the CSD department. Students may consult with an advisor in the CSD department concerning the current listing of eligible elective courses for the CSD minor.

SPEECH-LANGUAGE PATHOLOGY AND AUDIOLOGY MINOR

The Speech-Language Pathology and Audiology (SLPA) minor seeks to prepare students for admission into a graduate program in SLPA. In particular, students in this minor are on a track that, if supplemented with certain elective choices within their major, would meet all admissions requirements for our department's own Master of Science in Speech-Language Pathology (<http://catalog.northeastern.edu/graduate/health-sciences/clinical-rehabilitation-sciences/speech-language-pathology-ms/>) program.

The SLPA minor consists of one required foundation course taken prior to core courses, then five department-specific SLPA core courses.

Students pursuing this minor are advised to consult early and regularly with their academic advisors in order to ensure a timely completion of the combination of their majors and the SLPA minor requirements.

Students pursuing this minor who plan to apply to graduate school at institutions other than Northeastern are advised to carefully check admissions requirements for those programs.

EARLY INTERVENTION MINOR

The interdisciplinary Early Intervention (EI) minor is designed for students who enjoy working with very young children and their families. Through coursework and practicum experiences, students are prepared to work with infants and toddlers with known disabilities, or those who are at risk for developmental delay, and their families.

The EI minor consists of four required foundation courses and two semesters (150 hours each semester) of supervised practicum experience. Seniors or those in their final year of study are encouraged to enroll. Since this minor includes a practicum component, students pursuing this minor are advised to consult with the program director and submit an application to ensure that all requirements can be met.

Bachelor of Science (BS)

- Speech-Language Pathology and Audiology
- Communication Studies and Speech-Language Pathology and Audiology (<http://catalog.northeastern.edu/undergraduate/arts-media-design/communication-studies/communication-studies-speech-language-pathology-bs/>)

- Linguistics and Speech-Language Pathology and Audiology (<http://catalog.northeastern.edu/undergraduate/science/linguistics/linguistics-speech-language-pathology-bs/>)

Minors

- Communication Sciences and Disorders (<http://catalog.northeastern.edu/undergraduate/health-sciences/clinical-rehabilitation-sciences/communication-sciences-disorders-minor/>)
- Speech-Language Pathology and Audiology (<http://catalog.northeastern.edu/undergraduate/health-sciences/clinical-rehabilitation-sciences/speech-language-pathology-audiology-minor/>)
- Early Intervention (<http://catalog.northeastern.edu/undergraduate/health-sciences/clinical-rehabilitation-sciences/early-intervention-minor/>)

Physical Therapy, Movement, and Rehabilitation Sciences

The cornerstone of the Department of Physical Therapy, Movement, and Rehabilitation Sciences is experiential learning aligned with the mission of Bouvé College of Health Sciences and Northeastern University. The programs within the department enhance and extend students' learning of human movement and rehabilitation through experiential education, interdisciplinary collaborations, interprofessional education, research opportunities, and a variety of global educational experiences. The department is led by a collaborative interdisciplinary body of faculty with research, scholarship, clinical, and teaching expertise across a diverse spectrum. The Department of Physical Therapy, Movement, and Rehabilitation Sciences' research mission is to build the evidence for best practices to maintain and improve the health and well-being of local, national, and global community members. 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' labs and centers, including Neuromotor Systems Laboratory, Laboratory for Locomotion Research, ReGameVR Laboratory, Movement Neuroscience Laboratory, Musculoskeletal Epidemiology and Biomechanics Laboratory, Neuroscience Wet Lab, Occupational Biomechanics Laboratory, Teaching and Learning Innovation Lab, and the Center for Cognitive and Brain Health. The Department of Physical Therapy, Movement, and Rehabilitation Sciences graduates are innovative, global leaders who excel in clinical practice, research, human movement, leadership, and community service.

Minors

- Human Movement Science (<http://catalog.northeastern.edu/undergraduate/health-sciences/clinical-rehabilitation-sciences/human-movement-science-minor/>)