

DEPARTMENT OF COMMUNICATION SCIENCES AND DISORDERS

<http://www.uvm.edu/cnhs/csd/>

The undergraduate program in Communication Sciences and Disorders aims to achieve two primary goals:

1. to provide students with basic knowledge about the development and structure of typical and disordered human communication across the lifespan, and
2. to give students the opportunity to enhance their own abilities to learn and communicate effectively.

Through course work and research opportunities as well as observation of therapy, students gain expertise in the uniquely human endeavor we call "communication". The primary topics presented at the undergraduate level focus on the form and structure of speech and language, and how these skills are learned, produced, perceived, and understood. In recent years, exciting research from such sources as brain imaging and computer technology has enhanced our understanding of speech, language, and communication and our ability to remediate disorders in these areas. Students learn about current developments and how they impact the field of communication sciences and disorders.

As they begin to study communication sciences and disorders, students start with an introduction to the types of communication disorders that occur and how they impact people's lives. A series of courses present core concepts from linguistics, cognitive science and the typical processes of speech, language, and hearing. These courses deal with the physical, neurophysiological, cognitive, and linguistic bases of speaking, hearing, and language use; the acoustics of sound and speech; and how communication develops from infancy to adulthood. Students also learn about the professions of speech-language pathology and audiology, especially professional ethical issues, person/family centered care, and collaborating with other professionals.

Courses in the junior and senior year focus on the principles of assessment as they apply to the study of human communication and its disorders. Students participate in directed measurement projects as they learn to critically evaluate communication and the assessment tools used by practitioners in the field.

Outside of the classroom, those students who show interest are encouraged to pursue research through collaboration in ongoing faculty research. Ongoing areas of faculty research encompass typical and disordered communication throughout the lifespan and include the following topics:

- Autobiographical memory and narrative discourse development in autism
- The use of neuroimaging techniques (EEG and MRI) to examine cognitive processing in individuals with autism, particularly in language and narrative comprehension domains

- The development of psychometrically sound measures of social cognition and speech production skill
- Articulatory movement patterns using electromagnetic articulography equipment in healthy and disordered populations
- The emotional reactivity and regulatory abilities of people who stutter
- The use of Virtual Reality environments to create social situations in a controlled setting for the study of social anxiety in stuttering
- Typical and atypical changes in communication and cognition associated with aging and central nervous system disorders
- Functional Near Infrared Spectroscopy (fNIRS) and Cognitive-Motor Interference for tracking cortical and cognitive function in Multiple Sclerosis
- The assessment and treatment of communication challenges following traumatic brain injury
- Speech development and disorders in children with neurodevelopmental syndromes
- Early indicators of suspected Childhood Apraxia of Speech
- Childhood speech and language development patterns
- Computational analysis of language

Students are exposed to clinical resources in the professions of speech-language pathology and audiology - two closely related areas - through guided observations in the Eleanor M. Luse Center for Communication. Special opportunities include clinical internships in either area.

High-performing CSD juniors will be invited to apply for early admission into the UVM graduate program in speech-language pathology. There are a number of factors that are considered for qualification each year (e.g., GPA, expected space in the graduate class, etc.), but this process potentially accelerates and simplifies the UVM graduate admissions process.

An Accelerated Master's in Communication Sciences and Disorders/Speech-Language Pathology 3+2 degree program and an Undergraduate Certificate in Speech-Language Pathology Assistant are also available to undergraduate students.

ARTICULATION AGREEMENTS

UVM's Department of Communication Sciences and Disorders has an articulation agreement with the Community College of Vermont (CCV). The agreement provides pathways for students in certain two-year degree programs (A.A. Early Childhood Education, A.S. Behavioral Science, or A.S. Health Science) to transfer to UVM's Communication Sciences and Disorders program if capacity allows. See the Admissions section of this catalogue for further information.

MAJORS**COMMUNICATION SCIENCES AND DISORDERS MAJOR**

Communication Sciences and Disorders B.S.

MINORS AND CERTIFICATES**COMMUNICATION SCIENCES AND DISORDERS MINOR**

Communication Sciences and Disorders

Speech Language Pathology Assistant - Undergraduate Certificate

GRADUATE

Communication Sciences and Disorders M.S.

Interprofessional Health Sciences Ph.D.

See the online Graduate Catalogue for more information.

Courses**CSD 1200. Intro to Disordered Comm. 3 Credits.**

Survey of language, speech, and hearing disorders, emphasizing the importance of understanding such disorders as a part of the fuller understanding of human behavior.

CSD 1210. Intro Topics in Clin Aud & SLP. 3 Credits.

Introduces students to the professions of audiology and speech language pathology. Covers health care related topics relevant to professional practice when working with individuals with communication disorders. Guided observations will introduce specific clinical skills along with their application in practice. Prerequisite: Communication Sciences and Disorders major.

CSD 1220. Introduction to Phonetics. 3 Credits.

Linguistic, acoustic, and articulatory phonetics applied to the description of speech. Stresses use of the International Phonetic Alphabet with English, foreign languages, and disordered speech.

CSD 1230. Linguistics for Clinicians. 3 Credits.

Linguistic concepts, applications to clinical contexts. Topics include language components, language processing in the brain, individual differences and disorders, dialects, normal and disordered language acquisition.

CSD 1250. Comm Diff & Dis in Media. 3 Credits.

Analysis of the portrayal of individuals with communication differences and disorders in the media and how this influences our perceptions and opinions. Guest speakers, shared experiences, classroom discussions, and the viewing of popular films. Catamount Core: D2.

CSD 1940. Dev of Spoken Language. 3 Credits.

Speech and language acquisition interpreted in light of current learning and cognitive theory, linguistic theory, and methods of linguistic analysis.

CSD 1990. Special Topics. 1-18 Credits.

Introductory courses or seminars on topics beyond the scope of existing departmental offerings. See Schedule of Courses for specific titles.

CSD 1991. Internship. 1-3 Credits.

On-site supervised work experience combined with a structured academic learning plan directed by a faculty member or a faculty-staff team in which a faculty member is the instructor of record, for which academic credit is awarded. Offered at department discretion.

CSD 1993. Independent Study. 1-18 Credits.

A course which is tailored to fit the interests of a specific student, which occurs outside the traditional classroom/laboratory setting under the supervision of a faculty member, for which credit is awarded. Offered at department discretion.

CSD 2010. Speech & Hearing Science. 0 or 4 Credits.

Structure and function of the respiratory, phonatory, articulatory, and hearing systems, coupled with models of speech and hearing as part of human communication. Prerequisites: Communication Sciences & Disorders, Education major or minor, Neuroscience major; minimum Sophomore standing; or Instructor permission. Catamount Core: N2.

CSD 2210. Adv Topics in Clin Aud & SLP. 3 Credits.

Provides advanced exploration of the professions and clinical work of audiologists and speech language pathologists. Skills and knowledge related to ethical issues, person/family centered care, and cultural competence are practiced. Guided observations review specific clinical skills along with their application in practice. Prerequisite: CSD 1210; Sophomore standing. Pre/Co-requisite: CSD 1200.

CSD 2220. Clinical Phonetics. 0 or 4 Credits.

Transcription of speech using the International Phonetic Alphabet. Speech sound disorders, development, universals, dialects, coarticulation, connected speech, prosody and second-language learning. Prerequisite: Three credits in Communication Sciences and Disorders or Linguistics.

CSD 2990. Special Topics. 1-18 Credits.

Intermediate courses or seminars on topics beyond the scope of existing departmental offerings. See Schedule of Courses for specific titles.

CSD 2991. Internship. 1-18 Credits.

On-site supervised work experience combined with a structured academic learning plan directed by a faculty member or a faculty-staff team in which a faculty member is the instructor of record, for which academic credit is awarded.

CSD 2993. Independent Study. 1-18 Credits.

A course which is tailored to fit the interests of a specific student, which occurs outside the traditional classroom/laboratory setting under the supervision of a faculty member, for which credit is awarded.

CSD 2994. Teaching Assistantship. 1-3 Credits.

Undergraduate student service as a teaching assistant, usually in an introductory-level course in the discipline, for which credit is awarded. Offered at department discretion.

CSD 2995. Undergraduate Research. 1-18 Credits.

Undergraduate student work on individual or small team research projects under the supervision of a faculty member, for which credit is awarded.

CSD 3200. Culture of Disability. 3 Credits.

Examines the social and cultural experience of disability in different times and cultures. As an introduction to Disability Studies, topics covered will include foundational concepts/vocabulary, the influence of cultural beliefs, personal narratives, education, healthcare, social services, self-advocacy and the disability rights movement. Credit not awarded for both CSD 3200 and CSD 5740. Pre/Co-requisites: EDSP 1050, ASL 1990; or Instructor permission. Cross-listed with: EDSP 3250. Catamount Core: D2.

CSD 3250. Working with Speech Disorders. 3 Credits.

Speech language pathology assistants' roles in schools working with speech disorders; health/safety, special education and HIPAA issues; observation, data collection, and collaboration skills. Complete 50 hour practicum. Prerequisites: CSD 1200, CSD 1220, CSD 1940; CSD 1230 or LING 1400.

CSD 3260. Working with Lang Disorders. 3 Credits.

Evidence-based practice and response to intervention strategies, screening and intervention for language differences; diverse populations. Complete 50 hours practicum. Prerequisite: CSD 3250.

CSD 3480. Cognition & Language. 3 Credits.

Study of cognition and language in terms of mental representation models; contemporary models of memory, as well as capacity theories of language comprehension and production. Credit not awarded for both CSD 3480 and CSD 5480. Prerequisite: CSD 2010. Catamount Core: S1.

CSD 3500. Service-Learning Capstone. 3 Credits.

Allows Communication Science and Disorders students to apply their academic knowledge and clinical skills in a real-world setting. Through community placements, students gain hands-on experience working with diverse populations, addressing communication challenges, and engaging in activities such as direct service, awareness campaigns, education, and policy initiatives. Helps students make a meaningful impact while enhancing their professional development. Prerequisite: CSD 2010.

CSD 3620. Measurement of Comm Processes. 4 Credits.

The principles, methods, and problems of psychometrics as applied to the screening and diagnosis of communication processes. Students will describe, critique, and create assessments for reliable and valid measurements of communicative skills. Pre/Co-requisites: CSD 2210 or Instructor permission. Catamount Core: QD, WIL2.

CSD 3710. Introduction to Audiology. 3 Credits.

Survey of hearing and the nature and causes of hearing impairment. Includes an orientation to assessment procedures and rationales, hearing screening and counseling considerations. Prerequisites: CSD 2010, CSD 2210.

CSD 3720. Hearing Rehabilitation. 3 Credits.

Examination of the impact of hearing loss on development and its overall effects on communication. Survey of management considerations, sensory devices, speech reading, and auditory training. Credit not awarded for both CSD 3720 and CSD 5720. Prerequisite: CSD 3710.

CSD 3810. Intro Cognitive Neuroscience. 3 Credits.

This course introduces students to the organization, structures and functions of the human central nervous system. Higher cognitive and linguistic behaviors are emphasized. Prerequisite: Human Biology course such as one of the following: BIOL 1105, BIOL 1155, BCOR 1400, BCOR 1450, or ANPS 1190.

CSD 3899. Autism Spect Dis:Assess&Interv. 3 Credits.

Discusses knowledge/research regarding assessment of and interventions for individuals with ASD related to and use of evaluation tools, and implementation of communication, social interaction and play skills. Credit not awarded for both CSD 3899 and CSD 5899. Prerequisite: Minimum Junior standing.

CSD 3990. Special Topics. 1-18 Credits.

See Schedule of Courses for specific titles.

CSD 3991. Internship. 1-18 Credits.

On-site supervised work experience combined with a structured academic learning plan directed by a faculty member or a faculty-staff team in which a faculty member is the instructor of record, for which academic credit is awarded.

CSD 3993. Independent Study. 1-18 Credits.

A course which is tailored to fit the interests of a specific student, which occurs outside the traditional classroom/laboratory setting under the supervision of a faculty member, for which credit is awarded.

CSD 3994. Teaching Assistantship. 1-3 Credits.

Undergraduate student service as a teaching assistant, usually in an introductory-level course in the discipline, for which credit is awarded.

CSD 3995. Undergraduate Research. 1-18 Credits.

Undergraduate student work on individual or small research projects under the supervision of a faculty member, for which credit is awarded.

CSD 4990. Special Topics. 1-18 Credits.

See Schedule of Courses for specific titles.

CSD 4993. Independent Study. 1-18 Credits.

A course which is tailored to fit the interests of a specific student, which occurs outside the traditional classroom/laboratory setting under the supervision of a faculty member, for which credit is awarded. Offered at department discretion.