

COMMUNICATION SCIENCES AND DISORDERS

Overview

The Department of Communication Sciences and Disorders has a long and distinguished history of educational and rehabilitation service to Baylor University, the Waco community, and beyond. The Department includes both highly respected undergraduate and graduate academic programs as well as the Speech-Language and Hearing Clinic.

- Communication Sciences and Disorders, M.S. (Residential) (<https://catalog.baylor.edu/graduate-school/curriculum-departments-institutes-instruction/robbins-college-health-human-sciences/communication-sciences-disorders/communication-sciences-disorders-ms-residential/>)
- Communication Sciences and Disorders, M.S. (Online) (<https://catalog.baylor.edu/graduate-school/curriculum-departments-institutes-instruction/robbins-college-health-human-sciences/communication-sciences-disorders/communication-sciences-disorders-ms-online/>)
- Communication Sciences and Disorders, Ph.D. (<https://catalog.baylor.edu/graduate-school/curriculum-departments-institutes-instruction/robbins-college-health-human-sciences/communication-sciences-disorders/communication-sciences-disorders-phd/>)

Communication Sciences and Disorders (CSD)

CSD 4301 Introduction to Clinical Audiology (3)

Pre-requisite(s): Must have completed and earned a "B" or better in each of the following courses: CSD 1308, 2318, 2351, and 3357
Hearing sciences and approaches for evaluating hearing: anatomy and physiology of the ear, the decibel, ear pathology, pure-tone audiometry, speech audiometry, and acoustic-immittance audiometry.

CSD 4302 Language Disorders in Children (3)

Pre-requisite(s): Must have completed and earned a "B" or better in each of the following courses: CSD 1308, 2318, 2351, and 3357
Basic principles of intervention and assessment for children with language impairments.

CSD 4309 Medical Speech Pathology (3)

Pre-requisite(s): Must have completed and earned a "B" or better in each of the following courses: CSD 1308, 2318, 2351, and 3357
Etiologies, characteristics, diagnosis, and treatment of disorders associated with medical speech pathology.

CSD 4312 Advanced Clinical Audiology (3)

Pre-requisite(s): CSD 4301 and must have completed and earned a "B" or better in CSD 1308, 2318, 2351, and 3357
Routine and advanced audiologic measures, including masking and evoked-potential tests. Practical clinical experiences.

CSD 4352 Diagnostic Methods (3)

Pre-requisite(s): Must have completed and earned a "B" or better in each of the following courses: CSD 1308, 2318, 2351, and 3357 or Graduate Online CSD student
A study of diagnostic methods used in speech and language pathology, including interviewing, taking case histories, testing, and counseling. Evaluation of the standardization, reliability, and validity of existing tests. Practical application is required.

CSD 4358 Speech Science (3)

Pre-requisite(s): Must have completed and earned a 'B' or better in each of the following courses: CSD 1308, 2318, 2351, and 3357 or Graduate Online CSD student
Basic sciences underlying speech and hearing: physics of sound, the decibel, instrumentation, speech production, speech perception, and audition.

CSD 4368 Introduction to Aural Rehabilitation (3)

Pre-requisite(s): CSD 4301 or consent of instructor; and must have completed and earned a "B" or better in each of the following courses: CSD 1308, 2318, 2351, and 3357 or CSD Online student
Methods for rehabilitating persons with hearing impairment: evaluating communicative needs, amplification devices, auditory-visual training, and modes of communication for the deaf and hearing impaired.

CSD 4477 Clinical Methods (4)

Pre-requisite(s): CSD 3308; and must have completed and earned a "B" or better in each of the following courses: CSD 1308, 2318, 2351, and 3357 or Graduate Online CSD student; Students must be classified as Seniors to enroll in this course
Methods for treating individuals who have communication disorders. Observation of therapy conducted in the Baylor Speech, Hearing, and Language Clinic is required.

CSD 4V85 Special Problems in Communication Sciences and Disorders (1-6)

Pre-requisite(s): Fifteen semester hours in Communication Sciences and Disorders or Graduate Online CSD student
A conference course providing additional study in communication sciences and disorders. May be repeated once for credit.

CSD 5101 Leveling-Observation (1)

Observation of speech and language therapy, to identify methods for treating individuals who have communication disorders, in preparation for graduate coursework.

CSD 5149 Clinical Practicum in Speech Pathology (1)

Practicum in evaluation and treatment of individuals who have communication disorders.

CSD 5150 Introduction to Clinical Practice (1)

Preparation for clinical experiences in the field that will establish clinical website accounts and review professionalism and clinical writing expectations.

CSD 5151 Clinical Practicum Placement 1 (1)

The first practicum placement in the master's program for the evaluation and treatment of individuals with communication disorders.

CSD 5152 Clinical Practicum Placement 2 (1)

The second practicum to be taken in the master's program for the evaluation and treatment of individuals with communication disorders.

CSD 5153 Clinical Practicum Placement 3 (1)

The third practicum to be taken in the master's program for the evaluation and treatment of individuals with communication disorders.

CSD 5199 Non-Thesis Degree Completion (1)

To fulfill requirements for non-thesis master's students who need to complete final degree requirements other than coursework during their last semester. This may include such things as a comprehensive examination, oral examination, or foreign language requirement. Students are required to be registered during the semester they graduate.

CSD 5201 Leveling-Clinical Methods (2)

Methods for treating individuals who have communication disorders. Observation of speech and language therapy in preparation for graduate coursework.

CSD 5302 Leveling - Anatomy & Physiology (3)

A study of the anatomy and physiology of speech in preparation for graduate coursework.

CSD 5303 Leveling - Speech Science (3)

Basic sciences underlying speech and hearing: physics of sound, the decibel, instrumentation, speech production, speech perception, and audition in preparation for graduate coursework.

CSD 5304 Advanced Aural Rehabilitation (3)

Pre-requisite(s): CSD 4368

Hearing aids, cochlear implants, vibrotactile devices, and therapy programs for hearing-impaired persons.

CSD 5305 Leveling-Survey of Speech Pathology and Audiology (3)

An introduction to the nature and causes of speech, language, and hearing disorders and speech language pathology as an educational and clinical field in preparation for graduate coursework.

CSD 5306 Leveling-Language Development (3)

Linguistic theory and language development in normal children in preparation for graduate coursework.

CSD 5307 Leveling-Introduction to Phonological Science (3)

Introduction to the phonological rules and processes of American English and an examination of descriptive, physiological, and acoustic phonetics in preparation for graduate coursework.

CSD 5308 Leveling-Structures and Functions in Communication and Swallowing (3)

Anatomy and physiology of the subsystems that underlie speech and swallowing—neural bases, respiration, phonation, resonance, and articulation as well as speech science in preparation for graduate coursework.

CSD 5309 Leveling-Introduction to Clinical Audiology (3)

Hearing sciences and approaches for evaluating hearing: anatomy and physiology of the ear, the decibel, ear pathology, pure-tone audiometry, speech audiometry, and acoustic-immittance audiometry in preparation for graduate coursework.

CSD 5311 Aphasiology (3)

Etiology, symptomatology, and treatment of aphasia and kindred disorders.

CSD 5312 Fluency and Fluency Disorders (3)

Nature, evaluation, treatment, and research findings in stuttering and related fluency disorders (e.g., cluttering).

CSD 5313 Augmentative and Alternative Communication (3)

This course focuses on assessment and intervention practices for individuals who use augmentative and alternative communication (AAC).

CSD 5314 Voice Pathology and Resonance Disorders (3)

Discussion of the etiologies and application of assessment and management principles to organic, functional, and neurological voice disorders and inducible laryngeal obstruction. Application of principles of speech science to the nature, assessment, and management of resonance disorders.

CSD 5316 Motor Speech Disorders (3)

Etiologies, symptoms, classifications, evaluative procedures, and treatments of developmental and adult motor speech disorders.

CSD 5317 Cleft Lip and Palate (3)

Etiologies, classifications, evaluation procedures, and management of communication disorders associated with cleft lip and palate and related orofacial dysmorphologies.

CSD 5318 Research Methods in Graduate Study in Communication Sciences and Disorders (3)

Research methods used to evaluate evidence-based practices in CSD.

CSD 5319 EBP Evaluation and Interprofessional Practice in a Diverse Society (3)

This course focuses on orienting students to the principles of evidence-based practice (EBP) and evaluations and directs students in utilizing components of the EBP process in making decisions regarding treatment and evaluation.

CSD 5320 Neurology and Advanced Instrumentation (3)

Study of the neuroanatomy and neurophysiology of the mechanisms associated with speech, language, and swallowing, and the instrumentation and latest technological advances used to study speech, language, and swallowing.

CSD 5324 Adolescent Language and Learning Disabilities (3)

Pre-requisite(s): CSD 2318

A neuropsychological approach to the etiology, classification, diagnosis, and treatments of learning disabled children.

CSD 5325 Speech Sound Disorders (3)

Current research, assessment, and treatment of speech-sound disorders (SSD) including articulation and phonological disorders with functional and organic etiologies.

CSD 5328 Diagnosis and Treatment of Dysphagia (3)

Development of swallowing, etiologies, evaluative procedures, and management of swallowing disorders.

CSD 5330 Cognitive Linguistic Communication Disorders (3)

Neuropathology, symptomology, assessment, and treatment of cognitive linguistic communication disorders associated with right hemisphere damage, traumatic brain injury, and dementia.

CSD 5332 Traumatic Brain Injury Seminar (3)

Familiarizes students with research literature regarding the neuropathology, symptomatology, assessment and treatment of persons having traumatic brain injury.

CSD 5334 Multicultural Issues in Speech-Language Pathology (3)

Relates cultural background to normal development of speech and language. Topics include sound system acquisition, syntax, pragmatics, and professional issues and concerns.

CSD 5337 Pediatric Language Disorders 2 (3)

This course is an advanced study of spoken and written language disorders in school-age children.

CSD 5338 Instrumentation and Advanced Speech Science (3)

Pre-requisite(s): CSD 4307 or consent of instructor
Principles and techniques of electronics and new technology used in the diagnosis and treatment of pathologies of speech and swallowing, including videostrobolaryngoscopy, digital signal analyses, and flexible fiberoptic endoscopic evaluation of swallowing.

CSD 5341 Pediatric Language Disorders 1 (3)

This course is an advanced study of language disorders in children from birth to five years of age.

CSD 5351 Speech and Language Neurology (3)

Neuroanatomy and neurophysiology as applied to the evaluation of normal and pathological speech and language behaviors.

CSD 5353 Advanced Medical Speech Pathology (3)

Advanced medical diagnostic procedures and treatment techniques associated with speech pathology patients in an advanced medical setting.

CSD 5354 Mentored Research Experience in Communication Sciences and Disorders (3)

Pre-requisite(s): CSD 5318 and/or consent of instructor
Advanced study and application of research methods in communication sciences and disorders. Supervised by a faculty member in CSD.

CSD 5549 Clinical Internship (5)

Class meetings in conjunction with a supervised, full-time clinical placement at a therapy site commensurate with the student's graduation requirements and clinical hour competency needs.

CSD 5649 Speech Pathology Internship (6)

Supervised off-campus experience in speech pathology. Intern placement will be related to students' specialized area of interest.

CSD 5V07 Seminar in Audiology (1-9)

hrs.

CSD 5V35 Problems in Communication Sciences and Disorders (1-9)

Designed to give students opportunities for additional work in their area of concentration. May be repeated for a maximum of nine semester hours.

CSD 5V39 Advanced Clinical Practicum in Audiology (1-6)

Pre-requisite(s): Nine semester hours in audiology including CSD 4301 and 5304
Supervised practicum in audiology using speech audiometry. Hearing aid selection.

CSD 5V48 Seminar in Speech Pathology (1-9)

Published research, theoretical and clinical, in speech and hearing and allied fields.

CSD 5V99 Thesis (1-6)

Research, data analysis, writing, and/or oral defense of an approved master's thesis. At least three hours of CSD 5V99 are required for thesis.

CSD 6101 Mentored Research in CSD I (1)

Pre-requisite(s): Instructor approval required
Research apprenticeship in area of expertise in CSD. Design, implementation, and dissemination of study outcomes.

CSD 6102 Mentored Research in CSD II (1)

In this course doctoral students work with a research mentor in a collaborative area of research. This course may not be repeated for credit.

CSD 6103 Mentored Teaching in CSD I (1)

In this course doctoral students develop knowledge and skills associated with teaching in higher education. Content includes principles of adult learning, course design, equity and inclusion, teaching philosophy, student engagement, and student assessment.

CSD 6104 Mentored Teaching in CSD II (1)

In this course, doctoral students apply the knowledge and skills associated with teaching in higher education that they developed in Mentored Teaching I. Each student works with a mentor to teach an undergraduate or graduate course. This course cannot be repeated for credit.

CSD 6200 Proseminar in Communication Sciences and Disorders (2)

This course exposes students to current research and topics in the field. The proseminar provides an opportunity for both students and faculty to present reports of research projects that are in the initial stages of formulation, in progress, or completed.

CSD 6205 Professional Writing for Doctoral Students (2)

Development of technical and scientific writing skills. Emphasis on critical review and writing of scientific papers.

CSD 6206 Professional Writing for Doctoral Students II (2)

Pre-requisite(s): CSD 6205
Doctoral students research, revise, and write publications for professional journals. (2 credit hours).

CSD 6302 Introduction to Doctoral Studies in CSD (3)

This course includes critical thinking, problem-solving, and synthesis of topics to introduce students to doctoral studies. The history of science in CSD, Ph.D. shortages, IRB, issues in scientific conduct, mentoring models, preparation for study, and servant leadership as well as launching a successful academic career post-graduation are discussed.

CSD 6306 Advanced Neuroscience of Speech, Language, Swallowing, and Hearing (3)

This course is designed to provide a comprehensive introduction to the neuroscience of speech, language, swallowing, and hearing, incorporating current research findings with current perspectives on assessment and treatment of language disorders. It will cover speech, language, swallowing, and hearing mechanisms in the human brain as well as the various types of research methods used in human neuroscience, and their intended uses.

CSD 6308 Doctoral Seminar in Communication Sciences and Disorders (CSD) (3)

Advanced study of special topics associated with speech, language, hearing, and/or swallowing. The course may be taken three times when content differs.

CSD 6314 MATLAB® Programming for Speech, Language, and Hearing Sciences (3)

The course introduces basics of MATLAB® programming and trains students on managing data, plotting data, and graphical user interfaces. The course anticipates and promotes increased reliance on quantification and automation in the field of Speech-Language Pathology and Audiology.

CSD 6316 Single-Subject Design (3)

This course provides a solid foundation in single-subject design (SSD). Specific designs discussed and analyzed include withdrawal, alternating treatments, multiple baseline, and changing criterion designs. By way of contrast, methodologies such as group designs and case studies are also discussed. Students learn to obtain, analyze, interpret, evaluate, and design experimental single-subject studies.

CSD 6V00 Graduate Research (1-10)

Pre-requisite(s): Graduate standing

For research credit prior to admission to candidacy for an advanced degree. Credit will be given for the amount of work done. May be repeated for credit through 45 hours.

CSD 6V10 Doctoral Independent Study in Advanced Communication Sciences and Disorders (1-3)

Focuses on advanced topics in speech, language, hearing, and/or swallowing. Permission of instructor is required. This course may be repeated when content differs for a maximum of 12 semester hours.

CSD 6V99 Doctoral Dissertation in Communication Sciences and Disorders (1-6)

Pre-requisite(s): Consent of Instructor

Doctoral students in Communication Sciences and Disorders gain approval of a written dissertation proposal and research, analyze, write, and defend their dissertation. Required (12 credits).