**COMM. 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 audioligic 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  
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  
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 Disorders (3)
Pre-requisite(s): CSD 4307
Nature, evaluation, treatment, and current research trends in stuttering.

CSD 5313  Augmentative Communication and Severe Populations (3)
Exploration of selection and teaching of augmentative and alternative
communication, and a focus on populations with severe language
disorders including autism.

CSD 5314  Voice Pathology (3)
Pre-requisite(s): CSD 3308 and 4309
Application of principles of voice science to the treatment of organic
and functional voice 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  Methods in Graduate Study in Communication Sciences and
Disorders (3)
Methods necessary to evaluate literature, to conduct research, and
describe results in communication sciences and disorders.

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  School-Age Language and Literacy Disorders (3)
Contemporary research on language and reading disorders, evidence-
based practice, and language/literacy methods of prevention,
assessment, and treatment.

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 videostrobolararyngoscopy, digital signal analyses, and flexible
fiberoptic endoscopic evaluation of swallowing.

CSD 5341  Birth to Five Language Disorders (3)
This course is an advanced study of language impairments 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 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 6205  Professional Writing for Doctoral Students (2)
Development of technical and scientific writing skills. Emphasis on critical review and writing of scientific papers.

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 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.