COMM. SCIENCES AND DISORDERS (CSD)

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 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.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>CSD 5328</td>
<td>Diagnosis and Treatment of Dysphagia</td>
<td>(3)</td>
<td>Development of swallowing, etiologies, evaluative procedures, and management of swallowing disorders.</td>
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<tr>
<td>CSD 5330</td>
<td>Cognitive Linguistic Communication Disorders</td>
<td>(3)</td>
<td>Neuropathology, symptomology, assessment, and treatment of cognitive linguistic communication disorders associated with right hemisphere damage, traumatic brain injury, and dementia.</td>
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<tr>
<td>CSD 5332</td>
<td>Traumatic Brain Injury Seminar</td>
<td>(3)</td>
<td>Familiarizes students with research literature regarding the neuropathology, symptomatology, assessment and treatment of persons having traumatic brain injury.</td>
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<tr>
<td>CSD 5334</td>
<td>Multicultural Issues in Speech-Language Pathology</td>
<td>(3)</td>
<td>Relates cultural background to normal development of speech and language. Topics include sound system acquisition, syntax, pragmatics, and professional issues and concerns.</td>
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<tr>
<td>CSD 5337</td>
<td>School-Age Language and Literacy Disorders</td>
<td>(3)</td>
<td>Contemporary research on language and reading disorders, evidence-based practice, and language/literacy methods of prevention, assessment, and treatment.</td>
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<tr>
<td>CSD 5338</td>
<td>Instrumentation and Advanced Speech Science</td>
<td>(3)</td>
<td>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.</td>
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<tr>
<td>CSD 5341</td>
<td>Birth to Five Language Disorders</td>
<td>(3)</td>
<td>This course is an advanced study of language impairments in children from birth to five years of age.</td>
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<tr>
<td>CSD 5351</td>
<td>Speech and Language Neurology</td>
<td>(3)</td>
<td>Neuroanatomy and neurophysiology as applied to the evaluation of normal and pathological speech and language behaviors.</td>
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<tr>
<td>CSD 5353</td>
<td>Advanced Medical Speech Pathology</td>
<td>(3)</td>
<td>Advanced medical diagnostic procedures and treatment techniques associated with speech pathology patients in an advanced medical setting.</td>
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<tr>
<td>CSD 5354</td>
<td>Mentored Research Experience in Communication Sciences and Disorders</td>
<td>(3)</td>
<td>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.</td>
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<tr>
<td>CSD 5649</td>
<td>Speech Pathology Internship</td>
<td>(6)</td>
<td>Supervised off-campus experience in speech pathology. Intern placement will be related to students’ specialized area of interest.</td>
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<tr>
<td>CSD 5V07</td>
<td>Seminar in Audiology</td>
<td>(1-9)</td>
<td>hrs.</td>
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<tr>
<td>CSD 5V35</td>
<td>Problems in Communication Sciences and Disorders</td>
<td>(1-9)</td>
<td>Designed to give students opportunities for additional work in their area of concentration. May be repeated for a maximum of nine semester hours.</td>
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<tr>
<td>CSD 5V39</td>
<td>Advanced Clinical Practicum in Audiology</td>
<td>(1-6)</td>
<td>Pre-requisite(s): Nine semester hours in audiology including CSD 4301 and 5304 Supervised practicum in audiology using speech audiometry. Hearing aid selection.</td>
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<tr>
<td>CSD 5V48</td>
<td>Seminar in Speech Pathology</td>
<td>(1-9)</td>
<td>Published research, theoretical and clinical, in speech and hearing and allied fields.</td>
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<tr>
<td>CSD 5V99</td>
<td>Thesis</td>
<td>(1-6)</td>
<td>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.</td>
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<tr>
<td>CSD 6101</td>
<td>Mentored Research in CSD I</td>
<td>(1)</td>
<td>Pre-requisite(s): Instructor approval required Research apprenticeship in area of expertise in CSD. Design, implementation, and dissemination of study outcomes.</td>
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<tr>
<td>CSD 6205</td>
<td>Professional Writing for Doctoral Students</td>
<td>(2)</td>
<td>Development of technical and scientific writing skills. Emphasis on critical review and writing of scientific papers.</td>
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<td>CSD 6302</td>
<td>Introduction to Doctoral Studies in CSD</td>
<td>(3)</td>
<td>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.</td>
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<tr>
<td>CSD 6306</td>
<td>Advanced Neuroscience of Speech, Language, Swallowing, and Hearing</td>
<td>(3)</td>
<td>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.</td>
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<tr>
<td>CSD 6V10</td>
<td>Doctoral Independent Study in Advanced Communication Sciences and Disorders</td>
<td>(1-3)</td>
<td>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.</td>
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