

# COMMUNICATIVE SCIENCES AND DISORDERS CSD

## Department of Communicative Sciences and Disorders College of Communication Arts and Sciences

- 203 Introduction to Communicative Sciences and Disorders**  
Fall, Spring. 3(3-0) SA: ASC 203  
Survey of research and practice regarding speech, hearing, and language disorders in children and adults.
- 213 Anatomy and Physiology of the Speech and Hearing Mechanisms**  
Fall. 3(3-0) SA: ASC 214  
Structural and functional analyses of the central and peripheral auditory mechanisms, and of the respiratory, phonatory, and articulatory mechanisms for speech.
- 232 Descriptive Phonetics**  
Spring, Summer. 3(3-0) SA: ASC 232  
Principles of speech production. Transcription of speech using the International Phonetic Alphabet.
- 303 Fundamentals of Hearing**  
Fall. 3(3-0) P: CSD 213 or concurrently RB: Completion of one ISP course. Completion of the University mathematics requirement. SA: ASC 303, ASC 255  
Physical and psychological aspects of hearing. Measurement of hearing thresholds. Binaural hearing.
- 313 Speech Science**  
Fall. 3(3-0) P: CSD 213 or concurrently RB: Completion of one ISP course. Completion of the University mathematics requirement. SA: ASC 313, ASC 255  
Processes underlying the production and perception of speech.
- 333 Oral Language Development**  
Fall, Spring. 3(3-0) SA: ASC 333  
Development of receptive and expressive aspects of child language.
- 364 Speech and Language Disorders and their Evaluation**  
Spring. 3(3-0) P: CSD 313 SA: ASC 364  
Evaluation procedures in speech-language pathology. Testing. Analysis of results. Report writing.
- 391 Observation and Analysis of Clinical Practice**  
Fall, Spring. 1(0-2) P: CSD 303 and CSD 313 and CSD 333 SA: ASC 394  
Case presentations. Interviewing techniques. Behavioral observation and data collection. Behavior management. Counseling. Session plan and report writing.
- 419 International Aspects of Communicative Disorders**  
Spring, Summer. 1 to 6 credits. A student may earn a maximum of 9 credits in all enrollments for this course. P: CSD 213 and CSD 303 and CSD 313 and CSD 333 R: Approval of department. SA: ASC 419  
Human communication disorders in international settings.
- 444 Audiologic Assessment and Intervention/Rehabilitation**  
Spring. 3(3-0) P: CSD 303 SA: ASC 443  
Clinical procedures in audiology.
- 463 Intervention/Rehabilitation Procedures in Speech-Language Pathology**  
Spring. 3(3-0) P: CSD 313 SA: ASC 463  
Intervention and rehabilitation procedures for individuals with developmental and acquired communication disorders.
- 483 School-Based Communicative Disorders Programs**  
Spring. 3(3-0) P: CSD 463 or concurrently SA: ASC 483  
Administrative, regulatory, and practice aspects of school-based programs for persons with communicative disorders.
- 490 Independent Study**  
Fall, Spring, Summer. 1 to 4 credits. A student may earn a maximum of 8 credits in all enrollments for this course. R: Approval of department. SA: ASC 490  
Individualized student activities in human communicative sciences and disorders.
- 491 Topics in Communicative Sciences and Disorders**  
Fall, Spring. 1 to 3 credits. A student may earn a maximum of 6 credits in all enrollments for this course. R: Approval of department. SA: ASC 491  
Varying topics related to normal or disordered communication.
- 803 Research Methods in Communicative Sciences and Disorders**  
Fall. 3(3-0) R: Open to graduate students in the Department of Communicative Sciences and Disorders. SA: ASC 803  
Hypothesis generation, experimental design, data collection, data analysis, and presentation.
- 813 Neuroanatomy and Neurophysiology of Speech, Language, and Hearing**  
Fall. 3(3-0) R: Open to graduate students in the Department of Communicative Sciences and Disorders. SA: ASC 813  
Structural and functional descriptions of the nervous system as it relates to communication sciences and disorders.
- 815 Acquired Language Disorders**  
Spring. 3(3-0) P: CSD 813 R: Open to graduate students in the Department of Communicative Sciences and Disorders. SA: ASC 823A, CSD 823A  
Neuropathology, symptomatology, and speech-language rehabilitation of individuals with aphasia and related disorders.
- 819 Cognitive-Communicative Disorders**  
Summer. 3(3-0) P: CSD 813 R: Open to graduate students in the Department of Communicative Sciences and Disorders. SA: ASC 823I, CSD 823I  
Neurophysiological, speech-language, cognitive, neuropsychological, and social/emotional rehabilitation associated with traumatic brain injury, dementia, and right hemisphere neurological disorders.
- 820 Language Assessment and Intervention: Early Stages**  
Spring. 3(3-0)  
Nature, characteristics, evaluation, assessment, diagnosis, and intervention for children with developmental language and related disorders from infancy through preschool.
- 821 Language Assessment and Intervention: Later Stages**  
Fall. 3(3-0) P: CSD 820 R: Open to graduate students in the Department of Communicative Sciences and Disorders. SA: CSD 823G  
Nature, characteristics, evaluation, assessment, diagnosis, and intervention for children with developmental language and related disorders from early school years through adolescence.
- 824 Developmental Language Disorders**  
Fall. 3(3-0) R: Open to graduate students in the Department of Communicative Sciences and Disorders.  
Nature, characteristics, evaluation, assessment, diagnosis, and intervention for children with developmental language and related disorders.
- 825 Autism and Related Neurodevelopmental Disorders**  
Fall. 3(3-0) P: CSD 824 R: Open to graduate students in the Department of Communicative Sciences and Disorders. SA: CSD 823G  
Nature, characteristics, evaluation, assessment, diagnosis, and intervention for children with autism and related neurodevelopmental disorders.
- 830 Fluency Disorders**  
Fall. 3(3-0) R: Open to graduate students in the Department of Communicative Sciences and Disorders. SA: ASC 823D, CSD 823D  
History, theories, symptomatology, diagnosis, and treatment of fluency disorders in children and adults.
- 840 Voice Disorders**  
Spring. 3(3-0) P: CSD 813 R: Open to graduate students in the Department of Communicative Sciences and Disorders. SA: ASC 823C, CSD 823C  
Etiology, symptomatology, diagnosis, and treatment of voice disorders in children and adults.
- 850 Medical Aspects of Speech-Language Pathology**  
Spring. 3(2-2) P: CSD 813 R: Open to graduate students in the Department of Communicative Sciences and Disorders. SA: ASC 823J, CSD 823J C: CSD 840 concurrently.  
Introduction to assessment, intervention, and management of persons with laryngectomy, tracheostomy, ventilator-dependence, and cleft lip and palate. Intensive study of the clinical procedures and instrumentation employed by speech-language pathologists who practice in medical settings.

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- 855 Assessment and Treatment of Dysphagia**  
Spring. 3(3-0) P: CSD 813 R: Open to graduate students in the Department of Communicative Sciences and Disorders. SA: ASC 823K, CSD 823K  
Introduction to assessment, intervention, and management of persons with swallowing disorders.
- 860 Articulation and Phonological Disorders**  
Fall. 3(3-0)  
Nature, basis, assessment, and treatment of developmental phonological disorders
- 865 Motor Speech Disorders**  
Summer. 3(3-0) P: CSD 813 R: Open to graduate students in the Department of Communicative Sciences and Disorders. SA: ASC 823B, CSD 823B  
Neuropathology, symptomatology, and speech-language habilitation and rehabilitation of individuals with motor speech disorders.
- 880 Clinical Proseminar in Communicative Sciences and Disorders**  
Fall. 3(3-0) R: Open to graduate students in the Department of Communicative Sciences and Disorders.  
Preparation for clinical practicum placements including review of professional conduct, practice settings, caseload management, and documentation.
- 883 Clinical Practicum in Speech-Language Pathology**  
Fall, Spring, Summer. 3 to 6 credits. A student may earn a maximum of 15 credits in all enrollments for this course. R: Open to graduate students in the Department of Communicative Sciences and Disorders. SA: ASC 894A  
Supervised clinical experience in the management of clients with speech-language disorders.
- 888 Counseling in Communicative Disorders**  
Summer. 3(3-0) SA: ASC 823L, CSD 823L  
Overview of counseling issues related to communication disorders.
- 890 Independent Study**  
Fall, Spring, Summer. 1 to 4 credits. A student may earn a maximum of 8 credits in all enrollments for this course. R: Open to master's students in the Communicative Sciences and Disorders major. Approval of department. SA: ASC 890  
Individualized study under faculty direction.
- 899 Master's Thesis Research**  
Fall, Spring, Summer. 1 to 6 credits. A student may earn a maximum of 6 credits in all enrollments for this course. R: Open to graduate students in the Department of Communicative Sciences and Disorders. Approval of department. SA: ASC 899  
Master's thesis research.
- 901 Speech Perception**  
Fall of even years. 3(3-0) R: Open to students in the Communicative Sciences and Disorders Major.  
Foundations of human speech perception, including phonetic variability, categorical perception, and loss of phonetic sensitivity during acquisition.
- 902 Speech Production**  
Spring of odd years. 3(3-0) R: Open to students in the Communicative Sciences and Disorders Major.  
Foundational process underlying the production of speech. Theories of motor speech production.
- 903 Language Science**  
Fall of odd years. 3(3-0) RB: Enrollment in the CSD PhD program R: Open to students in the Communicative Sciences and Disorders Major.  
Structure, development, and neurocognitive basis of spoken and written language systems. Disorders of linguistic communication. Signed languages.
- 904 Hearing Science**  
Spring of even years. 3(3-0) RB: Enrollment in the CSD PhD program R: Open to students in the Communicative Sciences and Disorders Major.  
Basics of the anatomy and physiology of the hearing system and function of the peripheral and central auditory system.
- 910 Grant writing for Researchers**  
Spring of even years. 3(3-0) RB: Enrollment in the CSD PhD program R: Open to students in the Communicative Sciences and Disorders Major. Approval of department.  
Development of an early career independent research grant proposal. Familiarize students with federal funding agencies. Development of scientific writing and reasoning skills related to grant preparation and critique.
- 990 Independent Study**  
Fall, Spring, Summer. 1 to 4 credits. A student may earn a maximum of 16 credits in all enrollments for this course. R: Open to graduate students. Approval of department. SA: ASC 990  
Individualized study under faculty direction.
- 991 Special Topics in Communicative Sciences and Disorders**  
Fall, Spring, Summer. 1 to 4 credits. A student may earn a maximum of 12 credits in all enrollments for this course. R: Open to graduate students in the Department of Communicative Sciences and Disorders or approval of department. SA: ASC 991  
Selected topics in human communication and its disorders.
- 992 Seminar in Communicative Sciences and Disorders**  
Fall, Spring. 3(3-0) A student may earn a maximum of 12 credits in all enrollments for this course. R: Open to graduate students in the Department of Communicative Sciences and Disorders. Approval of department. SA: ASC 992  
Topical themes in human communication and its disorders.
- 994 Research Practicum in Communicative Sciences and Disorders**  
Fall, Spring, Summer. 1(0-2) A student may earn a maximum of 12 credits in all enrollments for this course. RB: CSD 803 or concurrently R: Approval of department. SA: ASC 994  
Individual research under faculty supervision.
- 999 Doctoral Dissertation Research**  
Fall, Spring, Summer. 1 to 24 credits. A student may earn a maximum of 36 credits in all enrollments for this course. R: Open to doctoral students in the Department of Communicative Sciences and Disorders. Approval of department. SA: ASC 999  
Doctoral dissertation research.