

## COMMUNICATIVE SCIENCES AND DISORDERS

### 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, Spring. 3(3-0) P: CSD 203 or concurrently 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**  
Fall, Spring. 2(1-2) SA: ASC 232  
Principles of speech production. Transcription of speech using the International Phonetic Alphabet.
- 303 Hearing Science**  
Fall. 3(3-0) P: MTH 112 or MTH 152H or MTH 110 or MTH 201 or MTH 116 or STT 200 or MTH 124 or STT 201 or MTH 132 or MTH 103 RB: Completion of one ISP course. R: Open to undergraduate students in the Department of Communicative Sciences and Disorders or approval of department. SA: ASC 255, ASC 303  
Physical and psychological aspects of sound and their measurement.
- 313 Speech Science**  
Spring. 3(3-0) P: CSD 213 and (CSD 232 or concurrently) RB: Completion of one ISP course R: Open to undergraduate students in the Department of Communicative Sciences and Disorders or approval of department. SA: ASC 255, ASC 313  
Processes underlying the production and perception of speech.
- 333 Oral Language Development**  
Fall, Spring, Summer. 3(3-0) P: PSY 101 or LIN 200 or LIN 401 or ENG 302 R: Not open to freshmen. SA: ASC 333  
Development of receptive and expressive aspects of child language.
- 344 Evaluation Procedures in Audiology**  
Spring. 4(3-2) P: (CSD 303) and completion of Tier I writing requirement R: Open to undergraduate students in the Department of Communicative Sciences and Disorders or approval of department. SA: ASC 344  
Classification of hearing disorders. Behavioral and electrophysiological measurement of hearing, including subjective and objective testing procedures.
- 364 Evaluation Procedures in Speech-Language Pathology**  
Fall. 4(3-2) P: (CSD 313) and completion of Tier I writing requirement R: Open to undergraduate students in the Department of Communicative Sciences and Disorders or approval of department. SA: ASC 364  
Evaluation procedures in speech-language pathology. Test procedures. Analysis of results. Report writing.
- 391 Observation and Analysis of Clinical Practice**  
Fall, Spring. 1(0-2) P: CSD 344 and CSD 364 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. Summer: London, England. 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.
- 433 Language Dialect Differences in Applied Contexts**  
Fall. 3(3-0) P: CSD 333 or LIN 200 or LIN 401 or ENG 302 SA: ASC 433  
Regional, ethnic, and cultural characteristics of American English. Comparison of speech-language differences and disorders.
- 444 Audiologic Rehabilitation**  
Fall. 4(4-0) P: CSD 344 R: Open to undergraduate students in the Department of Communicative Sciences and Disorders or approval of department. SA: ASC 443  
Fundamental aspects of audiologic rehabilitation. Individual and group amplification systems, auditory training, speechreading, and counseling with children and adults.
- 453 Mind-Body Communication**  
Fall, Spring. 3(3-0) R: Not open to freshmen or sophomores. SA: ASC 453  
Beliefs, thoughts, and emotions affecting the human body and behavior. Intrapersonal communication. Applications to health, education, business, and motor performance.
- 463 Intervention Procedures in Speech-Language Pathology**  
Spring. 3(3-0) P: CSD 364 R: Open to undergraduate students in the Department of Communicative Sciences and Disorders or approval of department. SA: ASC 463  
Intervention procedures for individuals with developmental and acquired communication disorders.
- 473 Phonological Disorders in Children**  
Spring. 3(3-0) P: CSD 364 SA: ASC 473  
Nature, basis, assessment, and treatment of developmental phonological 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.
- 823A 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  
Neuropathology, symptomatology, and speech-language rehabilitation of individuals with aphasia and related disorders.
- 823B Motor Speech Disorders**  
Fall. 3(3-0) P: CSD 813 RB: CSD 813 or concurrently R: Open to graduate students in the Department of Communicative Sciences and Disorders. SA: ASC 823B  
Neuropathology, symptomatology, and speech-language habilitation and rehabilitation of individuals with motor speech disorders.
- 823C Voice Disorders**  
Spring. 3(3-0) R: Open to graduate students in the Department of Communicative Sciences and Disorders. SA: ASC 823C  
Etiology, symptomatology, diagnosis, and treatment of voice disorders in children and adults.
- 823D Fluency Disorders**  
Fall. 3(3-0) R: Open to graduate students in the Department of Communicative Sciences and Disorders. SA: ASC 823D  
History, theories, symptomatology, diagnosis, and treatment of fluency disorders in children and adults.
- 823E Assessment of Childhood Language Disorders**  
Fall. 3(2-2) R: Open to graduate students in the Department of Communicative Sciences and Disorders. SA: ASC 823E  
Evaluation of language disorders of preschool, school-aged, and adolescent populations.

## Communicative Sciences and Disorders—CSD

- 823F Language Intervention: Early Stages**  
Spring. 3(3-0) P: CSD 823E R: Open to graduate students in the Department of Communicative Sciences and Disorders. SA: ASC 823F  
Principles of intervention in language disorders for children functioning at or below preschool levels, regardless of chronological age.
- 823G Language Intervention: Later Stages**  
Summer. 3(3-0) P: CSD 823E R: Open to graduate students in the Department of Communicative Sciences and Disorders. SA: ASC 823G  
Principles of intervention in language disorders for school-age children and adolescents functioning above preschool levels.
- 823I Cognitive-Communicative Disorders**  
Spring. 3(3-0) P: CSD 813 and CSD 823A and CSD 823B SA: ASC 823I  
Neurophysiological, speech-language, cognitive, neuropsychological, and social/emotional rehabilitation associated with traumatic brain injury, dementia, and right hemisphere neurological disorders.
- 823J Medical Aspects of Speech-Language Pathology**  
Fall. 3(2-2) P: CSD 813 and CSD 823C SA: ASC 823J C: CSD 823B 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.
- 823K Assessment and Treatment of Dysphagia**  
Summer. 3(3-0) P: CSD 813 RB: CSD 823A and CSD 823C SA: ASC 823K  
Introduction to assessment, intervention, and management of persons with swallowing disorders.
- 823L Counseling in Communicative Disorders**  
Summer. 3(3-0) P: CSD 364 or CSD 344 SA: ASC 823L  
Overview of counseling issues related to communication disorders.
- 823X Augmentative Communication**  
Spring. 3(3-0) SA: ASC 823X  
History and philosophy of augmentative communication. Assessment, system selection, and intervention considerations for aided and unaided systems. Synthesized voice output and micro-processor-based systems.
- 843J Manual Communication for Clinical Settings**  
Summer. 3(3-0) P: CSD 344  
Introduction to the use of manually coded English sign systems and Pidgin Sign English in diagnostic and treatment sessions.
- 883 Clinical Practicum in Speech-Language Pathology**  
Fall, Spring, Summer. 3(0-15) 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.
- 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 masters 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 4 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.
- 914A Speech Production**  
Spring of even years. 4(3-2) SA: ASC 914A  
Issues in speech production. Reference to human communication and its disorders.
- 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, Summer. 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 99 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.