

# Communication Sciences and Disorders (CSDI)

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## Courses

### **CSDI 22503. Introduction to Communicative Disorders. 3 Hours.**

An introductory course which surveys the professional interests of speech-language pathology and audiology with specific attention to the general recognition and classification of disorders of speech, language, and hearing, and general trends in rehabilitation. Consideration given to the classroom teacher's involvement in communication disorders. (Typically offered: Fall and Spring)

### **CSDI 290H3. Honors Introduction to Research in Communication Sciences and Disorders. 3 Hours.**

This course introduces students to the research process in the field of communication sciences and disorders. Prerequisite: Acceptance into the COEHP Honors Program and instructor consent. (Typically offered: Spring)

### **CSDI 31003. Introduction to Audiology. 3 Hours.**

Introduction to the basic concepts for administering and interpreting hearing tests, including the anatomy and physiology of the auditory system, disorders of the ear, and techniques for administering and interpreting basic pure tone threshold tests. Corequisite: PHYS 10243 and PHYS 10241, PHYS 20103 and PHYS 20101 or CHEM 12103 and CHEM 12101. Pre- or Corequisite: CSDI 32103. Prerequisite: CDISBS major or departmental consent. (Typically offered: Fall and Spring)

### **CSDI 310H3. Honors Introduction to Audiology. 3 Hours.**

Introduction to the basic concepts for administering and interpreting hearing tests, including the anatomy and physiology of the auditory system, disorders of the ear, and techniques for administering and interpreting basic pure tone threshold tests. Corequisite: PHYS 10243 and PHYS 10241, PHYS 20103 and PHYS 20101 or CHEM 12103 and CHEM 12101. Pre- or Corequisite: CSDI 32103. Prerequisite: CDISBS major and honors standing, or departmental consent. (Typically offered: Fall and Spring)

This course is equivalent to CSDI 31003.

### **CSDI 31203. Normal Phonology and Articulatory Process. 3 Hours.**

Analysis of the English speech sounds as a basis for speech improvement; physiological positions and movements; acoustic qualities and transcription in the international phonetic alphabet. Prerequisite: CDISBS major or departmental consent. (Typically offered: Fall)

### **CSDI 32003. Articulation Disorders. 3 Hours.**

A study of the definition, etiology, pathology, and treatment procedures of problems of articulation. Prerequisite: CSDI 31203, CSDI 32103 and CDISBS major or departmental consent. (Typically offered: Spring)

### **CSDI 320H3. Honors Articulation Disorders. 3 Hours.**

A study of the definition, etiology, pathology, and treatment procedures of problems of articulation. Prerequisite: CSDI 31203, CSDI 32103, honors standing, and CDISBS major or departmental consent. (Typically offered: Spring)

This course is equivalent to CSDI 32003.

### **CSDI 32103. Anatomy and Physiology of the Speech Mechanism. 3 Hours.**

Structure and function of the organic mechanisms responsible for speech and language. Pre or Corequisite: BIOL 10103 and BIOL 10101 or higher. Prerequisite: CDISBS major or departmental consent. (Typically offered: Fall and Spring)

### **CSDI 32203. Language Development in Children. 3 Hours.**

Study of typical development of speech and language functions for communicative purposes in children from infancy to early school-age years, including the major components of language as well as the social, cognitive, biological and cultural factors related to language acquisition. Pre- or Corequisite: PSYC 20003. Prerequisite: CDISBS major or departmental consent. (Typically offered: Fall)

### **CSDI 322H3. Honors Language Development in Children. 3 Hours.**

Study of typical development of speech and language functions for communicative purposes in children from infancy to early school-age years, including the major components of language as well as the social, cognitive, biological, and cultural factors related to language acquisition. Pre- or Corequisite: PSYC 20003. Prerequisite: Honors candidacy and CDISBS major or departmental consent. (Typically offered: Fall)

This course is equivalent to CSDI 32203.

### **CSDI 32303. Introduction to Clinical Practice. 3 Hours.**

An introduction to the various aspects of clinical operations including technical and interpersonal relationship skills necessary for case management and a survey of professional standards. Pre- or Corequisite: SPCH 10003, CSDI 32203, and CSDI 32103. Prerequisite: CDISBS major or departmental consent. (Typically offered: Fall and Spring)

### **CSDI 323H3. Honors Introduction to Clinical Practice. 3 Hours.**

An introduction to the various aspects of clinical operations including technical and interpersonal relationship skills necessary for case management and a survey of professional standards. Pre- or Corequisite: SPCH 10003, CSDI 32203, and CSDI 32103. Prerequisite: Honors standing and CDISBS major or departmental consent. (Typically offered: Fall and Spring)

This course is equivalent to CSDI 32303.

### **CSDI 32503. Culturally Responsive Practice in Communication Sciences and Disorders. 3 Hours.**

An introduction to various cultures, customs, and professional standards in health-related fields that helps to develop intercultural communication skills necessary to manage the increasingly diverse caseloads of health-related professionals. Pre- or Corequisite: SPCH 10003. Prerequisite: CDISBS major or departmental consent. (Typically offered: Spring)

### **CSDI 390H1. Honors Communication Disorders Thesis Tutorial. 1 Hour.**

Designed to provide the foundation for the Honors Thesis/Project. Students and faculty tutors work "one-on-one" exploring a specific topic which has been agreed upon by the student and the professor. Prerequisite: Honors candidacy and CDISBS major. (Typically offered: Fall, Spring and Summer)

### **CSDI 392H3. Honors Colloquium. 3 Hours.**

Treats a special topic or issue, offered as part of the honors program. Prerequisite: Honors candidacy (not restricted to candidacy in speech or dramatic art). (Typically offered: Irregular) May be repeated for degree credit.

### **CSDI 399HV. Honors Course. 1-6 Hour.**

Honors course. Prerequisite: Junior standing. (Typically offered: Irregular) May be repeated for up to 12 hours of degree credit.

### **CSDI 40003. Clinical Practicum Undergrad. 3 Hours.**

Entry-level training in speech-language clinical practicum activities. This course is taken for satisfactory or unsatisfactory credit. Students are paired with a patient(s) at the UA Speech and Hearing Clinic to provide speech-language therapy while being supervised by a licensed and certified speech-language pathologist. The schedule for this course varies based on patient availability. Students are required to be on campus to provide clinical services (including session preparation) and to complete follow-up meetings with the instructor to discuss clinical practice and paperwork. Prerequisite: Admitted to the Communication Sciences and Disorders (CDISBS) major, CSDI 32103, CSDI 32203 and CSDI 32303, plus satisfactory completion of specific program requirements for admission to clinical practice. (Typically offered: Fall, Spring and Summer)

**CSDI 400H3. Honors Clinical Practicum Undergrad. 3 Hours.**

Entry-level training in speech-language clinical practicum activities. This course is taken for satisfactory or unsatisfactory credit. Prerequisite: Honors standing, admitted to the Communication Sciences and Disorders (CDISBS) major, CSDI 32103, CSDI 32203 and CSDI 32303, plus satisfactory completion of specific program requirements for admission to clinical practice. (Typically offered: Fall and Spring)

This course is equivalent to CSDI 40003.

**CSDI 41303. Introduction to Aural Rehabilitation. 3 Hours.**

Study of the technique used in the rehabilitation of speech and language problems of the hearing impaired including the role of amplification, auditory training, and speech reading in rehabilitation. Prerequisite: CSDI 31003. (Typically offered: Spring)

**CSDI 41803. Clinical Assessment of Speech and Language Disorders. 3 Hours.**

Study of the basic diagnostic procedures used in speech-language pathology. Emphasis is placed on the clinical processes of assessment, including criteria for test selection, techniques in test administration, and interpretation of test. Pre- or Corequisite: Prior coursework in CDIS and ANTH 10203. Prerequisite: CDISBS major or departmental consent. (Typically offered: Spring)

**CSDI 42103. Introduction to Speech and Hearing Science. 3 Hours.**

Study of the acoustic structure of oral speech and the auditory skills underlying speech perception. Prerequisite: CSDI 32003, CSDI 32103, CSDI 31203 and its lab component and CDISBS major or departmental consent. Pre- or Corequisite: MATH 11003 or higher. (Typically offered: Fall and Spring)

**CSDI 42203. Language Disorders in Children. 3 Hours.**

Study of disorders of language acquisition and usage in children and adolescents, with emphasis upon the nature, assessment, and treatment of such disorders. Prerequisite: CSDI 32203 and CDISBS major or departmental consent. (Typically offered: Spring)

**CSDI 422H3. Honors Language Disorders in Children. 3 Hours.**

Study of disorders of language acquisition and usage in children and adolescents, with emphasis upon the nature, assessment, and treatment of such disorders. Prerequisite: CSDI 32203 and CDISBS major and honors standing or departmental consent. (Typically offered: Spring)

This course is equivalent to CSDI 42203.

**CSDI 42503. Neurological Bases of Communication. 3 Hours.**

A study of the structures and functions of the central and peripheral nervous systems as they relate to human speech, language, and cognition. Prerequisite: CSDI 32103 and CDISBS major or departmental consent. (Typically offered: Fall)

**CSDI 425H3. Honors Neurological Bases of Communication. 3 Hours.**

A study of the structures and functions of the central and peripheral nervous systems as they relate to human speech, language, and cognition. Prerequisite: CSDI 32103, honors standing, and CDISBS major or departmental consent. (Typically offered: Fall)

This course is equivalent to CSDI 42503.

**CSDI 42703. Communication Behavior and Aging. 3 Hours.**

Study of the effects upon communication of normal aspects of the aging process, from early adulthood throughout the lifespan. Changes in speech, language, and hearing functioning are identified; common alterations in communicative disorders commonly associated with advanced age are discussed. Prerequisite: CDISBS major or departmental consent. (Typically offered: Fall)

**CSDI 427H3. Honors Communication Behavior and Aging. 3 Hours.**

Study of the effects upon communication of normal aspects of the aging process, from early adulthood throughout the lifespan. Changes in speech, language, and hearing functioning are identified; common alterations in communicative disorders commonly associated with advanced age are discussed. Prerequisite: CDISBS major and honors standing, or departmental consent. (Typically offered: Fall)

This course is equivalent to CSDI 42703.

**CSDI 4900V. Special Problems. 1-3 Hour.**

Special problems. Prerequisite: Advanced standing. (Typically offered: Fall, Spring and Summer) May be repeated for up to 3 hours of degree credit.

**CSDI 498HV. Honors Communication Disorders Thesis/Project. 1-3 Hour.**

Designed to provide facilitation of the Honors Thesis/Project. Students and faculty work "one-on-one" to complete the honors thesis/project. Prerequisite: Honors candidacy, CDISBS major, and CSDI 390H1. (Typically offered: Fall, Spring and Summer) May be repeated for up to 3 hours of degree credit.

**CSDI 51043. Research Methodology in Communication Disorders. 3 Hours.**

An examination of methods of research in speech-language pathology and audiology and of the use of bibliographic tools. Focuses on purposes and problems of various forms of communication disorders research, procedures and instruments employed, and reporting of research. Prerequisite: Graduate standing. (Typically offered: Fall)

**CSDI 51163. Seminar in Early Intervention. 3 Hours.**

Study of a family-centered, transdisciplinary approach to early intervention with infants and toddlers at-risk for communication disorders. Topics include early communication development, service delivery in a family context, coordination with other disciplines, legislation mandating services, and providing services to children with multiple disabilities. Prerequisite: CSDI 32203 or equivalent, and graduate standing. (Typically offered: Irregular)

**CSDI 51231. Feeding and Swallowing Disorders Lab. 1 Hour.**

Observation and interpretation of techniques used for assessment and remediation of feeding and swallowing disorders in children and adults. Prerequisite: Enrollment in CDISMS program or Instructor Consent. (Typically offered: Spring)

**CSDI 51232. Feeding and Swallowing Disorders. 2 Hours.**

Study of the etiology, assessment, and remediation of feeding and swallowing disorders in children and adults. Prerequisite: Enrollment in CDISMS program or Instructor Consent. (Typically offered: Spring)

**CSDI 51433. Cognitive-Communication Development and Disorders. 3 Hours.**

Study of normal cognitive development, the role of communication in this development, and shifts that may occur in conjunction with various speech, language and/or hearing disorders. Prerequisite: CSDI 32203. (Typically offered: Fall)

**CSDI 51533. TBI and Right-Hemisphere Disorders. 3 Hours.**

Study of the speech and language disorders commonly resulting from traumatic brain injury and right hemisphere disorders. Prerequisite: Enrollment in CDISMS program or instructor consent. (Typically offered: Spring)

**CSDI 51603. Seminar in Language Topics. 3 Hours.**

Study of selected topics in normal and disordered language acquisition and/or language use. Implications of current research are reviewed and applied to evaluation and management of language impairment(s). Prerequisite: Graduate standing. (Typically offered: Irregular)

**CSDI 51803. Advanced Clinical Practicum I. 3 Hours.**

Practicum activities in speech-language assessment and intervention. Prerequisite: Graduate standing. (Typically offered: Fall)

**CSDI 52053. Introduction to Aural Rehabilitation. 3 Hours.**

Study of the technique used in the rehabilitation of speech and language problems of the hearing impaired including the role of amplification, auditory training, and speech reading in rehabilitation. Graduate degree credit will not be given for both CSDI 41303 and CSDI 52053. Prerequisite: CSDI 31003. (Typically offered: Spring)

**CSDI 52103. Voice and Resonance Disorders. 3 Hours.**

Study of disorders of phonation and resonance, including etiologies, diagnosis, and intervention strategies. Prerequisite: Graduate standing. (Typically offered: Fall)

**CSDI 52203. Fluency Disorders. 3 Hours.**

An examination of fluency disorders including theory, etiological factors, and development. In addition, the course is designed to address assessment and management of fluency disorders consistent with evidence-based practice for prospective speech-language pathologists. Prerequisite: Graduate standing. (Typically offered: Fall)

**CSDI 52303. Speech Sound Disorders. 3 Hours.**

Assessment and treatment of disorders in speech articulation. Prerequisite: Graduate standing. (Typically offered: Summer)

**CSDI 52433. Language Disorders in Adults. 3 Hours.**

This course will examine the diagnosis and treatment of language disorders in adults with focal and diffuse brain injuries. Prerequisite: Graduate standing. (Typically offered: Fall)

**CSDI 52503. Motor Speech Disorders. 3 Hours.**

Study of motor speech production disorders related to damage to central or peripheral nervous system motor centers and pathways. Cerebral palsy, adult dysarthria, apraxia, and dysphagia are emphasized. Both theoretical and treatment considerations are addressed. Prerequisite: Enrollment in the Communication Sciences and Disorders Master of Science (CDISMS) program or instructor consent. (Typically offered: Spring)

**CSDI 52733. Language, Learning and Literacy. 3 Hours.**

An examination of language-based literacy skills, including consideration of development, disorders, assessment and intervention. Prerequisite: Enrollment in CDISMS program or instructor consent. (Typically offered: Summer)

**CSDI 52833. Advanced Clinical Practicum II. 3 Hours.**

Practicum activities in speech-language assessment and intervention. Prerequisite: Graduate standing and CSDI 51803. (Typically offered: Spring)

**CSDI 52933. Augmentative and Alternative Communication. 3 Hours.**

Approaches to communication management with the severely and profoundly handicapped child or adult, with primary emphasis on augmentative and alternative communication assessment and intervention. Prerequisite: Graduate standing. (Typically offered: Fall)

**CSDI 53403. Cognitive Communication in Adults. 3 Hours.**

Cognitive and communicative breakdown due to neurological trauma, including etiology, characteristics, assessment, and treatment for traumatic brain injury, right hemisphere injury, dementia, and other neurodegenerative communication disorders. Prerequisite: Graduate Standing. (Typically offered: Spring)

**CSDI 53533. Neurological Bases of Communication. 3 Hours.**

A study of the structures and functions of the central and peripheral nervous systems as they relate to human speech, language, and cognition. Graduate degree credit will not be given for both CSDI 42503 and CSDI 53533. Prerequisite: Enrollment in the Communication Sciences and Disorders Master of Science (CDISMS) program or Instructor Consent. (Typically offered: Fall)

**CSDI 53803. Advanced Clinical Practicum III. 3 Hours.**

Practicum activities in speech-language assessment and intervention. Prerequisite: Graduate standing and CSDI 52833. (Typically offered: Summer)

**CSDI 54803. Advanced Clinical Practicum IV. 3 Hours.**

Practicum activities in speech-language assessment and intervention. Prerequisite: Graduate standing and CSDI 53803. (Typically offered: Fall)

**CSDI 55805. Advanced Clinical Practicum V. 5 Hours.**

Practicum activities in speech-language assessment and intervention. Prerequisite: Graduate standing and CSDI 54803. (Typically offered: Spring)

**CSDI 58103. Advanced Auditory (Re)Habilitation. 3 Hours.**

This course provides students with an in-depth knowledge of hearing anatomy and physiology as well as current hearing and hearing assistive technologies. The development of auditory skills across the lifespan will be discussed as well as intervention techniques to facilitate auditory, speech, and spoken language skills across the lifespan. Prerequisite: Graduate standing. (Typically offered: Summer)

**CSDI 58203. Language Learning with Multiple Disabilities. 3 Hours.**

Approaches to services (assessment and intervention) for individuals who, as a result of multiple disabilities, are in the beginning stages of language development including the preintentional and presymbolic stages. Prerequisite: Graduate standing. (Typically offered: Irregular)

**CSDI 58403. Communication and Swallowing in Dementia. 3 Hours.**

This course provides an in-depth examination of the communication and feeding/swallowing factors demonstrated by patients with dementia. Etiologies, symptoms, progression, evaluation, and appropriate interventions for the most common forms of dementia are addressed. Prerequisite: Graduate standing. (Typically offered: Summer)

**CSDI 58803. Policies & Procedures in Educational Speech-Language Pathology. 3 Hours.**

Educational Speech Pathology is designed to familiarize the student the factors related to functioning as an SLP in an educational setting, including state and federal regulations/standards, service delivery considerations, eligibility criteria, and documentation. Prerequisite: Graduate Standing. (Typically offered: Summer)

**CSDI 5900V. Special Problems. 1-6 Hour.**

Special problems. Prerequisite: Graduate standing. (Typically offered: Fall, Spring and Summer) May be repeated for up to 6 hours of degree credit.

**CSDI 6000V. Master's Thesis. 1-6 Hour.**

Master's Thesis. Prerequisite: Graduate standing. (Typically offered: Fall, Spring and Summer) May be repeated for degree credit.

**CSDI 61003. Literacy for Learning in Educational Settings. 3 Hours.**

An examination of language-based literacy skills, including consideration of development, disorders, assessment, and intervention. Prerequisite: Graduate standing and admission to the ASLPMC program or with departmental consent. (Typically offered: Fall)

**CSDI 62033. Advanced Assessment and Intervention for Fluency Disorders. 3 Hours.**

An examination of fluency disorders including theory, etiological factors, and development. In addition, the course is designed to address assessment and management of fluency disorders consistent with evidence-based practice for prospective speech-language pathologists. Prerequisite: Graduate standing and admission to the ASLPMC program or with departmental consent. (Typically offered: Fall)

**CSDI 63003. Effective Augmentative and Alternative Communication Services in Schools. 3 Hours.**

This course will support current speech-language pathologists in becoming more effective speech-language pathologists as it relates to the provision of augmentative and alternative services in schools. Throughout this course, students will (a) identify a barrier they wish to address relevant to their current service provision or their current caseload, (b) discover strategies for addressing that barrier, and (c) develop a plan for improving their augmentative and alternative service provision through the implementation of those strategies in their own professional work. Prerequisite: Graduate standing and admission to the ASLPMC program or with departmental consent. (Typically offered: Spring)

**CSDI 64003. Advanced Pediatric Feeding and Swallowing Assessment & Intervention. 3 Hours.**

Study of the etiology, assessment, and remediation of feeding and swallowing disorders in children. Prerequisite: Graduate standing and admission to the ASLPMC program or with departmental consent. (Typically offered: Irregular)

**CSDI 65003. Behavioral Management in Educational Settings. 3 Hours.**

The course provides an introduction to behavioral management across a variety of settings highlighting best practices from organizing time, materials, and room space. Strategies for managing individual and large group student behaviors, transitions, and other arrangements will be presented in addition to basic federal and state laws as they pertain to the legal procedures for all professionals, including educators of students with disabilities and students who use English as a Second Language (ESL). Prerequisite: Graduate standing and admission to the ASLPMC program or with departmental consent. (Typically offered: Spring)

**CSDI 6990V. Seminar in Communication Sciences and Disorders. 1-6 Hour.**

Discussion of pertinent topics and issues in the discipline of communication sciences and disorders. Prerequisite: Advanced graduate standing. (Typically offered: Irregular) May be repeated for up to 18 hours of degree credit.