

# COMMUNICATION SCIENCES & DISORDERS (CSDI)

## CSDI 1000 - Intro to Comm Sci & Disorders

### Credit(s): 3 Credits

A survey course designed to provide an introduction to the areas of study and the disciplines involved in communicative disorders, including an overview of communication processes and development as well as speech, language, and hearing disorders. (Offered every Fall and Spring)

**Attributes:** Social Science Req (A&S)

## CSDI 1930 - Special Topics

### Credit(s): 1-4 Credits (Repeatable for credit)

## CSDI 2000 - Phonetics

### Credit(s): 2 Credits

A study of English phonemes with practice transcribing connected speech including dialectal variations, as well as disordered speech, using the international Phonetic Alphabet. (Offered every Fall)

## CSDI 2200 - Anatomy and Physiology of the Speech Mechanism

### Credit(s): 3 Credits

A study of the anatomical and physiological aspects of the speech mechanism. (Offered every Fall)

## CSDI 2400 - Foundations of Language

### Credit(s): 3 Credits

An Introduction to linguistic theories focusing on the rule systems of language, language development, language difference, dialects and language change across time. (Offered every Spring)

## CSDI 2930 - Special Topics

### Credit(s): 1-4 Credits (Repeatable for credit)

## CSDI 2980 - Independent Study

### Credit(s): 1 or 3 Credits (Repeatable for credit)

## CSDI 3000 - Characteristics of Multicultural Populations

### Credit(s): 3 Credits

A study of diverse populations, including cultural and linguistic differences and disorders in speech, language, and hearing, as well as cross-cultural issues in assessment and intervention. (Offered every Spring)

### Restrictions:

Enrollment is limited to students with a program in Comm Sciences Disorders.

**Attributes:** Global Local Justice-Elective, Medical Humanities, Social Science Req (A&S), Urban Poverty - Health Care, Diversity in the US (A&S)

## CSDI 3200 - Speech Science

### Credit(s): 3 Credits

A study of the physiological, acoustic, and perceptual aspects of speech. (Offered every Spring)

### Restrictions:

Enrollment is limited to students with a program in Comm Sciences Disorders.

## CSDI 3400 - Hearing Science

### Credit(s): 3 Credits

A study of the scientific aspects of hearing and its measurement, including basic acoustics, anatomy and physiology of the ear, psychoacoustics, and instrumentation. (Offered every Fall)

### Restrictions:

Enrollment is limited to students with a program in Comm Sciences Disorders.

## CSDI 3420 - Beginning Sign Language

### Credit(s): 1 Credit

An introduction to the manual alphabet and basic signs used in communicating with individuals who are deaf. Open to non-majors. (Offered every Fall)

## CSDI 3430 - Advanced Sign Language

### Credit(s): 1 Credit

A continuation of the study of sign language from CSDI 3420 (Offered every Spring)

**Prerequisite(s):** CSDI 3420

### Restrictions:

Enrollment is limited to students with a program in Comm Sciences Disorders.

## CSDI 3600 - Speech Development

### Credit(s): 3 Credits

A survey course designed to study the development of phonology, articulation, voice, and fluency across the lifespan. An overview of development of swallowing will also be included. (Offered every Fall)

### Restrictions:

Enrollment is limited to students with a program in Comm Sciences Disorders.

## CSDI 3700 - Speech and Language Development

### Credit(s): 3 Credits

A study of the typical development of speech and language across the lifespan. Issues related to linguistic and cultural diversity will be explored. CSD majors only. (Offered every Fall)

**Prerequisite(s):** CSDI 2000<sup>†</sup> with a grade of C or higher and CSDI 2400<sup>\*</sup> with a grade of C or higher

<sup>\*</sup> Concurrent enrollment allowed.

### Restrictions:

Enrollment is limited to students with a program in Comm Sciences Disorders.

## CSDI 3800 - Language Development

### Credit(s): 3 Credits

An overview of the development of language and communication skills in typically developing individuals across the lifespan. Issues related to linguistic and cultural diversity will be explored. (Offered every Fall)

### Restrictions:

Enrollment is limited to students with a program in Comm Sciences Disorders.

## CSDI 3930 - Special Topics

### Credit(s): 3 Credits (Repeatable for credit)

## CSDI 3980 - Independent Study

### Credit(s): 1 or 3 Credits (Repeatable for credit)

**CSDI 4000 - Survey of Speech Disorders**

**Credit(s): 2 Credits**

A survey of speech disorders, including etiologies, characteristics, linguistic and cultural correlates of articulation, phonology, voice, and fluency disorders across the lifespan. (Offered every Spring)

**Restrictions:**

Enrollment is limited to students with a program in Comm Sciences Disorders.

**CSDI 4050 - Research Seminar**

**Credit(s): 1 Credit**

Investigation of methods of inquiry learned in the COPS Level 2 course. Interested students may apply and be admitted through a selection process based on faculty recommendation. (Offered every Fall)

**Restrictions:**

Enrollment is limited to students with a program in Comm Sciences Disorders.

**CSDI 4060 - Research Practicum**

**Credit(s): 1 Credit** (Repeatable for credit)

Research experience based on the completion of CSDI 4050. (Offered every Spring)

**Prerequisite(s):** CSDI 4050

**Restrictions:**

Enrollment is limited to students with a program in Comm Sciences Disorders.

**CSDI 4100 - Survey of Language Disorders**

**Credit(s): 2 Credits**

A survey of language disorders including etiologies, characteristics, linguistic and cultural correlates of language disorders across the life span. (Offered every Spring)

**Restrictions:**

Enrollment is limited to students with a program in Comm Sciences Disorders.

**CSDI 4150 - Survey of Speech & Language Disorders**

**Credit(s): 3 Credits**

Speech and language disorders may arise from a variety of causes and may affect individuals of any age, from birth through geriatric age. This course will investigate etiologies, characteristics, developmental, and linguistic/cultural correlates of speech and language disorders across the lifespan. (Offered every Spring)

**Prerequisite(s):** CSDI 3700

**Restrictions:**

Enrollment is limited to students with a program in Comm Sciences Disorders.

**CSDI 4200 - Audiology: Basic Audiometry**

**Credit(s): 3 Credits**

An introduction to various causes of hearing loss and comprehensive audiological evaluation procedures across the life span. (Offered every Spring)

**Restrictions:**

Enrollment is limited to students with a program in Comm Sciences Disorders.

**CSDI 4300 - Clinical Methods**

**Credit(s): 3 Credits**

An introduction to clinical service provision, including principles and procedures in diagnostics and intervention that are common across communication disorders. (Offered every Fall)

**Corequisite(s):** CSDI 4350

**Restrictions:**

Enrollment is limited to students with a program in Comm Sciences Disorders.

**CSDI 4350 - Clinical Observation**

**Credit(s): 1 Credit**

This course provides students with supervised observation including a variety of techniques, methods and procedures used in CSD to prepare for service provision. The department requires 25 observation hours prior to clinical practicum/graduation. Typically 12 of those hours are acquired through this class. (Offered every Fall)

**Corequisite(s):** CSDI 4300

**Restrictions:**

Enrollment is limited to students with a program in Comm Sciences Disorders.

**CSDI 4400 - Aural Rehabilitation**

**Credit(s): 3 Credits**

A study of hearing aids and other amplification systems, cochlear implants, speech reading, and auditory training. Habilitative and rehabilitative strategies for individuals with hearing impairment will be discussed. (Offered every Fall)

**Restrictions:**

Enrollment is limited to students with a program in Comm Sciences Disorders.

**CSDI 4500 - Neurological Basis of Communication**

**Credit(s): 3 Credits**

A study of neurological development and function related to speech, language, and hearing. (Offered every Spring and Summer)

**Restrictions:**

Enrollment is limited to students with a program in Comm Sciences Disorders.

**CSDI 4600 - Advanced Audiology**

**Credit(s): 2 Credits**

A study of pediatric audiology, electrophysiology measures, behavioral hearing assessment related to developmental level, immittance audiometry and testing for auditory processing disorders. (Offered every Spring)

**Restrictions:**

Enrollment is limited to students with a program in Comm Sciences Disorders.

**CSDI 4650 - Counseling**

**Credit(s): 2 Credits**

An overview of counseling principles and procedures related to speech language pathology and audiology. This course provides the opportunity for students to apply counseling strategies and research methods to a variety of case studies. (Offered every Spring)

**CSDI 4700 - Clinical Practicum****Credit(s): 1 Credit** (Repeatable for credit)

This course will provide an introduction to clinical skills and an opportunity to learn about related clinical practice. Students enrolled in section-01 will participate in a weekly lecture and simulation case study activities while working with co-clinicians. The standardized patient simulation includes multiple components for cases, from case history to diagnostics to treatment recommendations and referrals. The students are able to use these cases in this course to develop lesson plans, write SOAP notes and self-reflect on their clinical skills. Students enrolled in section-02 may participate in supervised clinical practicum experiences including assessment and remediation of a hearing disorders. Students typically obtain 10-15 clinical clock hours in both sections. Students must have completed 25 clinical observation hours, received a grade of B or better in CSDI 4300 and have a GPA cumulative of 3.3 to enroll in this course.

**Prerequisite(s):** CSDI 4300 with a grade of B or higher**Restrictions:**

Enrollment is limited to students with a program in Comm Sciences Disorders.

**CSDI 4750 - Neurological Bases of Communication****Credit(s): 3 Credits**

A study of neurological development and function related to speech, language, and hearing. (Offered every Spring and Summer)

**Restrictions:**

Enrollment limited to students with a semester level of Senior.

Enrollment is limited to students with a program in Comm Sciences Disorders.

**CSDI 4800 - Senior Seminar****Credit(s): 2 Credits**

This course provides the opportunity for students to complete and present a capstone project that synthesizes this Department's undergraduate learning outcomes. Students will evaluate and integrate theories, research methods, and applications of CSDI coursework by incorporating a values-oriented connection to community service into their culminating projects. These will be presented to the Department and invited members of the University in order for students to showcase their creative, analytical, and ethical reasoning capacities to effectively address urgent contemporary and future healthcare and social justice needs across the lifespan and across culturally and linguistically diverse communities. (Offered every Spring)

**Restrictions:**

Enrollment limited to students with a semester level of Senior.

Enrollment is limited to students with a program in Comm Sciences Disorders.

**CSDI 4900 - Speech Sound Disorders Assessment & Treatment****Credit(s): 2 Credits**

This course will discuss assessment and treatment of speech sound disorders covering current trends in assessment and clinical practice. Brief review of etiology, characteristics and impact of selected speech sound disorders in children and adults will be discussed. Students will engage in advanced analysis of vowels and consonants in various segments using phonetic transcription. Complex studies will allow for clinical application of assessment and treatment. Dialectal variation and its effect on speech sound disorders will also be discussed. The course will focus on children yet also cover issues with speech sound disorders across the life span.

**Prerequisite(s):** CSDI 4300; CSDI 4150**Restrictions:**

Students cannot enroll who have a program in Comm Sciences Disorders.

**CSDI 4930 - Special Topics****Credit(s): 1-3 Credits** (Repeatable for credit)**Restrictions:**

Enrollment is limited to students with a program in Comm Sciences Disorders.

**CSDI 4950 - Senior Residency****Credit(s): 0 Credits****Restrictions:**

Enrollment limited to students with a semester level of Senior.

Enrollment is limited to students with a program in Comm Sciences Disorders.

**CSDI 4980 - Advanced Independent Study****Credit(s): 1-3 Credits** (Repeatable for credit)**Restrictions:**

Enrollment is limited to students with a program in Comm Sciences Disorders.

**CSDI 5010 - Clinical Practicum Lecture****Credit(s): 0-3 Credits** (Repeatable for credit)

This course is a component of the overall Clinical Practicum experience designed to address non-academic issues presented in a seminar format. Classes are designed to supplement direct client intervention relative to professional issues that impact provision of diagnostic and therapeutic services across the lifespan of individuals with communication disorders. Offered every semester.

**Restrictions:**

Enrollment is limited to students with a major in Comm Sciences Disorders.

**CSDI 5012 - Practicum - Campus Clinic****Credit(s): 0-3 Credits** (Repeatable for credit)

Clinical practicum CSDI-5012 is a hands-on experience which addresses screenings, diagnostics, treatment and counseling for children or adults presenting with a variety of speech-language disabilities or diagnoses in the areas of articulation, hearing, language and social aspects. The setting for the experience is the Saint Louis University Speech-Language-Hearing Clinic, which includes some school and Head Start opportunities. (Offered every Fall, Spring and Summer)

**Prerequisite(s):** CSDI 5010 \* with a grade of C or higher

\* Concurrent enrollment allowed.

**Restrictions:**

Enrollment is limited to students with a major in Comm Sciences Disorders.

**CSDI 5015 - Practicum - Offsite Clinic**

**Credit(s): 0-3 Credits** (Repeatable for credit)

Clinical practicum CSDI-5015 is a direct clinical experience which addresses screenings, diagnostics, treatment and counseling for children and/or adults presenting with a variety of speech-language disabilities or diagnoses in the areas of speech, language, hearing, swallowing and social aspects. Students assigned to CSDI-5015 will be placed in off campus clinical settings with an ASHA-certified clinician serving as their clinical supervisor. (Offered Summer and Fall)

**Restrictions:**

Enrollment is limited to students with a major in Comm Sciences Disorders.

**CSDI 5020 - Hospital Practicum**

**Credit(s): 0-3 Credits** (Repeatable for credit)

Supervised experience in a hospital setting. (Offered every semester)

**Prerequisite(s):** CSDI 5010

**Restrictions:**

Enrollment is limited to students with a major in Comm Sciences Disorders.

**CSDI 5030 - Student Teaching in Comm Dis**

**Credit(s): 3-5 Credits**

Supervised experience in a public school program. Offered every semester.

**Restrictions:**

Enrollment is limited to students with a major in Comm Sciences Disorders.

**CSDI 5050 - Experimental Design**

**Credit(s): 2 Credits**

Statistics is recommended. This course is designed to assist graduate students in reading, understanding and critically evaluating research in speech-language pathology. Aids students in developing, designing and writing their own experimental and clinical research proposals. (Offered every Fall)

**Restrictions:**

Enrollment is limited to students with a major in Comm Sciences Disorders.

**CSDI 5060 - Research Practicum**

**Credit(s): 1 Credit** (Repeatable for credit)

(Offered every semester)

**Prerequisite(s):** CSDI 5050

**Restrictions:**

Enrollment is limited to students with a major in Comm Sciences Disorders.

**CSDI 5450 - Phonological Dev. & Disorders**

**Credit(s): 2 Credits**

A study of theories of phonological development and disorders and current diagnostic and therapeutic techniques. (Offered every Fall)

**Restrictions:**

Enrollment is limited to students with a major in Comm Sciences Disorders.

**CSDI 5510 - Assessment / Management of Social Communication Disorders**

**Credit(s): 2 Credits**

Social Skills are integrally intertwined with communication skills and are essential for academic and professional success. This course will include discussions of the neurological bases, environmental factors, early connections to language and literacy, and a discussion of the communication disorders that may demonstrate difficulties in social communication. Assessment and management strategies will be demonstrated and described.

**Restrictions:**

Enrollment is limited to students with a major in Comm Sciences Disorders.

**CSDI 5530 - Augmentative and Alternative Communication**

**Credit(s): 2 Credits**

An overview of augmentative and alternative communication modes, techniques and symbol systems, as well as assessment and intervention strategies. (Offered every Summer)

**Restrictions:**

Enrollment is limited to students with a major in Comm Sciences Disorders.

**CSDI 5550 - Language I**

**Credit(s): 3 Credits**

A focus on theoretically-based functional practices in the assessment and intervention of language disorders in children from birth to eight years. (Offered every Fall)

**Restrictions:**

Enrollment is limited to students with a major in Comm Sciences Disorders.

**CSDI 5560 - Language II**

**Credit(s): 3 Credits**

A focus on theoretically-based functional practices in the assessment and intervention of language-learning disorders in school-age children and youth. (Offered every Spring)

**Restrictions:**

Enrollment is limited to students with a major in Comm Sciences Disorders.

**CSDI 5580 - Language Based Literacy Disorders**

**Credit(s): 2 Credits**

This course will focus on the study of literacy development and disorders in school-age children with language impairment. Includes assessment and intervention practices for reading, spelling, and writing.

**Restrictions:**

Enrollment is limited to students with a major in Comm Sciences Disorders.

**CSDI 5600 - Fluency Disorders**

**Credit(s): 3 Credits**

An overview of normal fluency and exploration of fluency disorders. Specific focus on the nature, assessment, and treatment of stuttering. (Offered every summer)

**Restrictions:**

Enrollment is limited to students with a major in Comm Sciences Disorders.

**CSDI 5630 - Dysphagia****Credit(s): 3 Credits**

A study of the anatomy, physiology, evaluation and treatment of swallowing and associated disorders. (Offered every fall)

**Restrictions:**

Enrollment is limited to students with a major in Comm Sciences Disorders.

**CSDI 5650 - Clinical Supervision****Credit(s): 2 Credits**

An overview of theoretical models of supervision with primary emphasis on practical application of principles and strategies. Legal, ethical and professional standards, methods of evaluating self and other's performance, and managing difficult supervision situations will be explored. (Offered occasionally)

**Prerequisite(s):** CSDI 5010

**Restrictions:**

Enrollment is limited to students with a major in Comm Sciences Disorders.

**CSDI 5700 - Voice Disorders****Credit(s): 2 Credits**

A study of research in areas of voice science and pathology and development of advanced techniques in the assessment and treatment of voice disorders. (Offered every Fall)

**Restrictions:**

Enrollment is limited to students with a major in Comm Sciences Disorders.

**CSDI 5710 - Cleft Palate and Craniofacial Anomalies****Credit(s): 2 Credits**

A study of the nature, etiology, physiological and psychological aspects and ramifications of cleft palate. Offered every Summer.

**Restrictions:**

Enrollment is limited to students with a major in Comm Sciences Disorders.

**CSDI 5720 - Neurogenic Communication Disorders in Adults****Credit(s): 3 Credits**

A study of the nature, etiology, physiological and psychological aspects of aphasia and motor speech disorders. (Offered every Fall)

**Prerequisite(s):** CSDI 4500

**Restrictions:**

Enrollment is limited to students with a major in Comm Sciences Disorders.

**CSDI 5730 - Neuropathologies in Children****Credit(s): 2 Credits**

A study of the nature of development and acquired neuropathology in children and their impact on communication. (Offered every Summer)

**Restrictions:**

Enrollment is limited to students with a major in Comm Sciences Disorders.

**CSDI 5760 - Motor Speech Disorders****Credit(s): 3 Credits**

A study of the nature, etiology, physiological and psychological aspects of acquired motor speech disorders. (Offered every Spring)

**Restrictions:**

Enrollment is limited to students with a major in Comm Sciences Disorders.

**CSDI 5770 - Multicultural Assessment and Management of Communication Disorders****Credit(s): 2 Credits**

Issues and methodologies in definition, diagnosis and treatment of communication disorders of persons from culturally and linguistically diverse backgrounds. (Offered every Fall)

**Restrictions:**

Enrollment is limited to students with a major in Comm Sciences Disorders.

**CSDI 5800 - Professional Issues in Speech-Language Pathology****Credit(s): 1 Credit**

Taken in the last semester of study. This course focuses on the business, legal and ethical issues that impinge on clinical practice in speech-language pathology. Emphasis is placed on the administrative aspects of service delivery pertaining to private practice, clinics and hospital-based programs. (Offered every Fall)

**Restrictions:**

Enrollment is limited to students with a major in Comm Sciences Disorders.

**CSDI 5820 - Cognitive Comm Disorders****Credit(s): 3 Credits**

A study of the etiology, diagnosis, and treatment of cognitive communication disorders due to traumatic brain injury and dementia. (Offered every Fall)

**Restrictions:**

Enrollment is limited to students with a major in Comm Sciences Disorders.

**CSDI 5880 - Advanced Audiology****Credit(s): 2 Credits**

A study of pediatric audiology, electrophysiology measures, behavioral hearing assessment related to development level, immittance audiometry and testing for auditory processing disorders. (Offered every Spring)

**Prerequisite(s):** CSDI 4400

**Restrictions:**

Enrollment is limited to students with a major in Comm Sciences Disorders.

**CSDI 5890 - Institute in Comm Disorders****Credit(s): 2 Credits** (Repeatability up to 6 credits)

Various topics in the field. (Offered every Summer)

**Restrictions:**

Enrollment is limited to students with a major in Comm Sciences Disorders.

**CSDI 5910 - Clinical Internship****Credit(s): 0-3 Credits** (Repeatable for credit)

A required course taken in the last semester of the program involving full-time clinical placement in an off-campus site. Emphasis of this course is the integration of academic knowledge and clinical skills in a professional setting. (Offered every Fall, Spring and Summer)

**Prerequisite(s):** CSDI 5010 with a grade of C or higher

**Restrictions:**

Enrollment is limited to students with a major in Comm Sciences Disorders.

**CSDI 5930 - Special Topics****Credit(s): 1-3 Credits** (Repeatable for credit)**Restrictions:**

Enrollment is limited to students with a major in Comm Sciences Disorders.

**CSDI 5950 - Special Study for Exams**

**Credit(s): 0 Credits** (Repeatable for credit)

**Restrictions:**

Enrollment is limited to students with a major in Comm Sciences Disorders.

**CSDI 5960 - Essay/Project Guidance**

**Credit(s): 0 Credits** (Repeatable for credit)

**Restrictions:**

Enrollment is limited to students with a major in Comm Sciences Disorders.

**CSDI 5970 - Research Topics**

**Credit(s): 1-3 Credits** (Repeatable for credit)

Permission of Instructor of department chair required.

**Restrictions:**

Enrollment is limited to students with a major in Comm Sciences Disorders.

**CSDI 5980 - Independent Study**

**Credit(s): 1-3 Credits** (Repeatability up to 6 credits)

**CSDI 5990 - Thesis Research**

**Credit(s): 0-6 Credits** (Repeatable for credit)

Permission of department chair required.

**Restrictions:**

Enrollment is limited to students with a major in Comm Sciences Disorders.