

# COMMUNICATION SCIENCES & DISORDERS (CSD)

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## **CSD 250. Phonetics. (3 Credits)**

I. Formerly CDS 250. Prerequisite: admission to CDS program. Study of the articulatory postures and movements used to produce standard English and defective sounds. Introduction of the International Phonetic Alphabet and practice in using it to transcribe both normal and defective speech.

## **CSD 273. Observation in Comm. Disorders. (1 Credit)**

II. Formerly CDS 273. Prerequisite: admission to CDS program. Supervised clinical observation of therapy and/or diagnostic services for individuals with communication disorders. Instruction in report writing and observing in various settings. Students must complete 25 clock hours of observation by the end of this semester.

## **CSD 275. Intro Communication Disorders. (3 Credits)**

I. Formerly CDS 275. Introduction to the nature and causes of speech, language, and hearing disorders. An overview of the field of communication disorders and sciences.

## **CSD 285. Anat. & Phys. Sp. Hearing Mech. (3 Credits)**

I. Formerly CDS 285. Prerequisite: admission to CDS program. Introduction to the anatomical and physiological bases of hearing, respiration, phonation, resonance, and articulation.

## **CSD 311. CSD in Health Care Systems. (3 Credits)**

I, II. Review of the wellness-illness spectrum and the societal response in terms of health services. Topics to be covered include the nature and functions of health services agencies and professionals, and the impact of social, political, economic, regulatory, and technological forces. Also includes a discussion of major health problems and related health care programs.

## **CSD 360. Normal Speech & Lang. Dev.. (3 Credits)**

II. Formerly CDS 360. Normal speech and language acquisition from birth through the developmental years; basic linguistic concepts and theories; language differences.

## **CSD 365. Language Disorders: Assessment. (3 Credits)**

I. Formerly CDS 365. Prerequisite: admission to the CDS program. Prerequisite/Corequisite: CDS 360. Methods of assessing language content/form/use. Assessment techniques will include standardized tests, language sampling and analysis, and observational techniques and scales.

## **CSD 372. Methods & Materials Comm. Dis.. (3 Credits)**

II. Formerly CDS 372. Prerequisite: admission to the CDS program. Overview of scope of practice and credentials for service delivery; management of therapy sessions; clinical policies and procedures; Code of Ethics; precautions for infectious disease control; development of therapy materials and oral mechanism examination kit.

## **CSD 373. Articulation & Phon. Disorders. (3 Credits)**

II. Formerly CDS 373. Prerequisite: admission to the CDS program. Characteristics of articulation and phonological problems. Principles of identification and treatment.

## **CSD 374. Practicum in Speech Pathology. (3 Credits)**

I. Formerly CDS 374. Prerequisites: 25 hours of observation in communication disorders and sciences, CDS 372 and 373, and overall 3.0 GPA, or Clinic Director approval. Supervised clinical practicum in communication disorders services. May be retaken to a maximum of six credit hours.

## **CSD 380. Intro to Clinical Audiology. (3 Credits)**

I, II. Formerly CDS 380. Prerequisite: admission to CDS program. Physics of sound, anatomy & physiology of hearing, auditory pathologies, and introduction of basic audiological assessment.

## **CSD 464. Lang. Disorders: Intervention. (3 Credits)**

II. Formerly CDS 464. Prerequisites: CDS 360 and 365. Study of language impairment in children and principles for remediation.

## **CSD 465. Disorders of Fluency. (3 Credits)**

I. Formerly CDS 465. Prerequisite: admission to the CDS program. Lectures and selected readings in the theoretical, etiological, and developmental views of assessment and management of stuttering problems in children.

## **CSD 474. Adv Practicum in Speech Path. (3 Credits)**

II. Formerly CSD 474. Prerequisites: Overall 3.0 GPA and CDS 374, or Clinic Director approval. Advanced supervised clinical practice in communication disorders services. May be retaken to a maximum of six credit hours.

## **CSD 475. Voice Disorders. (3 Credits)**

I. Formerly CDS 475. Prerequisite: admission to the CDS program. Lectures and selected readings in etiological perspectives of functional and organic voices disorders; assessment, classification, and treatment designs for vocal pathologies in children.

## **CSD 485. Audiologic Evaluation. (3 Credits)**

II. Formerly CDS 485. Prerequisite: CDS 380. Fundamentals of audiometric assessment, immittance measurement, and electrophysiology via lecture and integrated lab simulations. Techniques for audiometric data collection, interpretation, and reporting. Lec/Lab.

## **CSD 487. Aural Rehabilitation. (3 Credits)**

I. Formerly 487. Prerequisite: CDS 380 or departmental approval. Fundamentals of aural habilitation/rehabilitation in the form of amplification (hearing aids, cochlear implants, assistive listening devices), speech reading, auditory-visual-kinesthetic perception, pediatric rehab techniques, educational management, counseling.

## **CSD 488. Practicum in Audiology. (1 Credit)**

I, II. Formerly CDS 488. Prerequisites: Overall 3.0 GPA or Clinic Director approval. Supervised clinical practice in audiology. May be retaken to a maximum of two credit hours.

## **CSD 520. Augment & Alterna Comm Systems. (3 Credits)**

A. An overview of various approaches to aided non-oral systems of communication. Various devices and symbol systems will be discussed.

## **CSD 525. Literate Language. (3 Credits)**

I. Formerly CDS 525. Prerequisites: CDS 360, CDS 365, and CDS 464 or departmental approval. Study of language disorders in children and principles for remediation in written language.

## **CSD 541. School Services in Comm Dis. (3 Credits)**

II. Formerly CDS 541. Prerequisites: Overall 3.0 GPA and Admission to the CDS program, or departmental approval. Organization and management of speech-language therapy services in the schools. Lec/Lab.

## **CSD 571. Neural Bases of Communication. (3 Credits)**

A. Prerequisite: Admission to the CDS program or instructor approval and ENG 102 or ENG 105(B) or HON 102. A study of neuroanatomic and neurophysiologic bases of communication including developmental issues and neurologic deficits resulting in communication disorders. Credit will not be awarded for both CSD 571 and CSD 571W.

**CSD 571W. Neural Bases of Communication. (3 Credits)**

A. Prerequisite: Admission to the CDS program or instructor approval and ENG 102 or ENG 105(B) or HON 102. A study of neuroanatomic and neurophysiologic bases of communication including developmental issues and neurologic deficits resulting in communication disorders. Credit will not be awarded for both CSD 571W and CSD 571.

**CSD 572. Speech & Hearing Science. (3 Credits)**

II. Formerly CDS 572. Study of the physics of sound, acoustic characteristics and processes, perceptual correlates, production of speech, and psychophysical processes of communication.

**CSD 720. Augment & Alternat Comm System. (3 Credits)**

I. An overview of various approaches to aided non-oral systems of communication. Various devices and symbol systems will be discussed.

**CSD 725. Literate Language. (3 Credits)**

I. Formerly CDS 725. Prerequisites: admission to CDS program or by departmental approval. Study of language disorders in children and principles for remediation in written language.

**CSD 741. School Services in Comm Dis. (3 Credits)**

I, II. Formerly CDS 741. Prerequisites: Overall 3.0 GPA and Admission to the CDS program, or departmental approval. Organization and management of speech-language therapy services in the schools. (Lec/Lab). Minimum of 27 field/clinical experience required.

**CSD 771. Neural Bases of Communication. (3 Credits)**

I. Prerequisite: admission to the CDS program or instructor approval. A study of neuroanatomic and neurophysiologic bases of communication including developmental issues and neurologic deficits resulting in communication disorders.

**CSD 772. Speech and Hearing Science. (3 Credits)**

II. Formerly CDS 772. Prerequisite: admission to the CDS program or instructor approval. Study of the physics of sound, acoustic characteristics and processes, perceptual correlates, production of speech, and psychophysical processes of communication. Software applications and instrumentation are also covered.

**CSD 830. Counseling in Speech-Lang Path. (3 Credits)**

A. Prerequisite: Admission to CD program or departmental approval. Overview of the therapeutic relationship between individuals with disabilities, their families, and professionals. Emphasis on applying empathetic listening, interviewing skills, and change process.

**CSD 861. Comm Dis in Atypical Pop.. (3 Credits)**

A. Prerequisite: admission to communication disorders and sciences program or by departmental permission. An overview of associated speech, language, or hearing problems commonly identified in atypical or special populations that may be encountered by the speech-language pathologist.

**CSD 863. Motor Speech Disorders. (3 Credits)**

II. Prerequisites: admission to communication disorders and sciences program or by departmental permission. Study of the neurophysiology, assessment, and treatment of various motor speech disorders, including dysarthria and apraxia.

**CSD 867. Advanced Language Disorders. (3 Credits)**

A. Formerly CDS 867. Prerequisites: admission to communication disorders and sciences program or by departmental permission. Advanced study of formal and informal assessment and treatment approaches in child language without consideration of etiology. Emphasis on collaboration within the classroom, language and narrative sampling analysis techniques and use of language within the natural context. Minimum of eight hours field/clinical experience required.

**CSD 870. Prof Issues in Comm Disorders. (3 Credits)**

A. Formerly CDS 870. Prerequisite: admission to communication disorders and sciences program or by departmental permission. Scope of practice, professional Code of Ethics, trends in service delivery, pertinent legislation, legal concerns, and other issues which impact the field of communication disorders will be examined.

**CSD 873. Adv. Artic. & Phono. Disorders. (3 Credits)**

I. Prerequisites: admission to communication disorders and sciences program or by departmental permission. Study of the research and principles associated with symptomatology, etiology, diagnosis, and treatment of articulation and phonological disorders. Issues related to accent enhancement and modification, including assessment and intervention are explored. Minimum of three hours field/clinical experience required.

**CSD 874. Grad Pract: Speech-Lang Path. (3 Credits)**

A. Formerly CDS 874. Prerequisite: admission to communication disorders and sciences program or by departmental permission. Supervised clinical practice in speech-language pathology. Must be retaken for a total of nine hours for the MA degree. Minimum of 145 field/clinical experience hours required across three semesters.

**CSD 875. Adult Neuro. Lang. Disorders. (3 Credits)**

II. Formerly CDS 875. The study of the neurophysiological bases of aphasia classification systems, evaluation procedures, and treatment strategies.

**CSD 876. Advanced Voice Disorders. (3 Credits)**

I. Prerequisites: admission to communication disorders and sciences program or by departmental permission. Study of the research and bases of laryngeal phonation deviation, including etiology, diagnosis, and treatment of functional and organic voice disorders; assessment and use of clinical techniques with a variety of voice disorders. Minimum of three field/clinical experience hours required.

**CSD 877. Advanced Fluency Disorders. (3 Credits)**

II. Formerly CDS 877. Prerequisites: admission to communication disorders and sciences program or by departmental permission. Critical study of research literature on etiology, theory, assessment and intervention strategies for preschool, school age, and adult fluency disorders. Minimum of two field/clinical experiences required.

**CSD 878. Diagnosis of Comm Disorders. (3 Credits)**

I. Prerequisite: admission to communication disorders and sciences program or by departmental permission. Diagnosis of language and speech disorders with emphasis on the use of dynamic assessment and comprehensive test batteries to describe the communication skills of children and adults. Profile analysis will be utilized to determine relative strength and weakness. Minimum of 10 hours field/clinical experiences required.

**CSD 879. Dysphagia. (3 Credits)**

II. Formerly CDS 879. Prerequisite: admission to communication disorders and sciences program or by departmental permission. An introduction to dysphagia, including the anatomy, physiology, and development of normal swallowing, and evaluation, etiologies, and treatment of dysphagia. Minimum of five field/clinical experience hours required.

**CSD 880. Research Methodology Comm Dis. (3 Credits)**

I. Formerly CDS 880. Prerequisites: admission to MAEd communication disorders program; or by departmental permission. Corequisite: CDS 878. Critical examination of research methodology in communication disorders and sciences. Students acquire the fundamental motivation, knowledge, and skills for conducting clinical and basic science research and for reading and critically evaluating research literature.

**CSD 885. Cognitive Rehabilitation. (3 Credits)**

A. Formerly CDS 885. Prerequisites: admission to communication disorders and sciences program and CSD 571 or 771 or by departmental permission. Study of the neurophysiological, cognitive, neuropsychological, and social/emotional issues associated with traumatic brain injury in children and adults, including principles of linguistic/cognitive assessment and intervention.

**CSD 895. Special Topics in CD. (3 Credits)**

Formerly CDS 895. Prerequisite: Department approval. Advanced study of various concepts, methods and materials in communication disorders. Topics may vary. Material will be taught using a combination of lecture, discussion and experiential learning.

**CSD 897. School Experiences in CD. (6 Credits)**

I,II. Formerly CDS 897. Prerequisites: CDS874 (9 credit hours), completion of CD core courses and admission to student teaching. Supervised 12-week, full-time clinical practice with a variety of communication disorders in selected school settings for a minimum of 70 school days. For CDS graduate seeking certificate in speech-language pathology.

**CSD 898. Externship in Comm Disorders. (6 Credits)**

I. Formerly CDS 898. Prerequisites: CDS 874 (nine credit hours) and completion of graduate core course work in communication disorders and sciences. Supervised 12-week, full-time clinical practice with a variety of communication disorders in selected externship sites.

**CSD 899. Research Project/Thesis Option. (3 Credits)**

II. Formerly CDS 899. Prerequisite: CDS 880 or instructor approval. Completion of a research project related to a special population that may lead to a thesis and/or to a professional presentation and publishable paper. May be retaken to a maximum of 9 credit hours. Credit not awarded for both SED 899 and CDS 899.