Communication Sciences and Disorders (CSD)

Courses numbered 100 to 299 = lower-division; 300 to 499 = upper-division; 500 to 799 = undergraduate/graduate.

CSD 111. Disorders of Human Communication  3 credit hours
Introduction to communication sciences and disorders and the ways society views people with communication disorders. Explores media and literature representations of communication disorders through movie and television reviews, personality profiles of well-known people and fiction. Students gain an understanding of the various types of communication disorders and learn how to become advocates for children and adults with communication disorders and their families. Course includes diversity content.

CSD 240. Introduction to Deaf and Hard of Hearing  2 credit hours
Reviews history and philosophies contributing to present trends in education of the deaf. Introduces state and federal laws addressing services to people who are deaf and hard of hearing, as well as certification and evaluation requirements for teachers and interpreters. Includes a look at etiology of deafness, interventions and devices for the deaf. Course includes diversity content.

CSD 251. Auditory Development and Disorders  2 credit hours
Introduces the etiology, nature and symptomology of auditory disorders and pathologies.

CSD 260. Signing Exact English I  2 credit hours
Introduction to the theory and use of Signing Exact English (SEE) as a means of communication with the hearing impaired. Independent outside practice is necessary to facilitate skill. Course includes diversity content.

CSD 270. American Sign Language I  3 credit hours
Focuses on the use of American Sign Language as used by the American deaf community. Development of basic communication skills leads to basic conversational skills in ASL. Course includes diversity content.

CSD 301. Basic Anatomy and Physiology of the Speech Mechanism  2 credit hours
Introductory course in basic anatomy and physiology of speech with an emphasis on respiration, phonation, resonance and articulation.

CSD 302. Basic Anatomy and Physiology of the Auditory System  2 credit hours
Studies basic anatomy of the outer, middle and inner ears, and the auditory nervous system. Addresses fundamental knowledge of hearing mechanisms based on function of each part of the system.

CSD 304. Early Language Development  3 credit hours
Development of language traced from birth to early school age. Evaluation of various acquisition theories in light of current psychological and linguistic thought. Emphasizes the development of linguistic categories: phonology, morphology, syntax, semantics and pragmatics. Lab required for reflective observation and analysis of various linguistic categories of typically developing children.

CSD 306. Applied Phonetics  3 credit hours
Identification, production and categorization of phonemes. Practice in phonemic and phonetic transcriptions of words using the International Phonetic Alphabet (IPA). Introduction to typical phonological acquisition and variations in speech production related to connected speech, cultural/linguistic diversity, and children’s speech sound disorders. Lab required for reflective observation and analysis of developmental phonetics and variance due to disorders and linguistic differences. Corequisite: CSD 306L.

CSD 306L. Applied Phonetics Lab 0 credit hours
Identification, production, and categorization of phonemes. Practice in phonemic and phonetic transcriptions of words using the International Phonetic Alphabet (IPA). Introduction to typical phonological acquisition and variations in speech production related to connected speech, cultural/linguistic diversity, and children’s speech sound disorders. Lab required for reflective observation and analysis of developmental phonetics and variance due to disorders and linguistic differences. Corequisite: CSD 306.

CSD 330. Educational Interpreting  2 credit hours
Addresses the professional development, roles, ethics, confidentiality and responsibilities of interpreters in educational settings. Includes interpreting principles. Covers ways to efficiently integrate the role of the interpreter into the educational system, as well as current issues in the field of educational interpreting. Course includes diversity content. Prerequisites: CSD 240, 260.

CSD 340. Pragmatic Process and Analysis in SEE  3 credit hours
Introduces the pragmatic process required of the interpreter to analyze, organize and prioritize information from a source for its accurate conveyance. Focuses on diagnosing areas causing breakdowns of interpreting, followed by strategies for improvement of skills. Prerequisites: CSD 240, 260, 330, 360, 380, 381.

CSD 345. Refining Interpreting Techniques in SEE  3 credit hours
Provides strategies for improving vital skills in expressive and receptive interpreting. Addresses such issues as reading signs, nonmanual markers and grammar, as well as application of lag time and prioritization for proper word and grammar choices in English. Also addresses interpretation of cultural information and effective public speaking. Prerequisites: CSD 240, 260, 330, 360, 380, 381.

CSD 351. Introduction to Auditory Assessment  3 credit hours
History and scope of the field. Surveys audiology threshold testing procedures, immittance audiometric interpretation. Prerequisite: CSD 251 or instructor's consent.

CSD 360. Signing Exact English II  2 credit hours
An advanced class in the theory and use of Signing Exact English (SEE) as a means of communication with the hearing impaired. Emphasizes vocabulary and interpreting skills. Course includes diversity content. Prerequisite: CSD 260.

CSD 370. American Sign Language II  3 credit hours
Increases vocabulary and speed of the use of ASL. Focuses on a greater fluency in expressive and receptive skills. Develops intermediate conversational skills. Course includes diversity content. Prerequisite: CSD 270.

CSD 380. Practicum in Signing Exact English I  1 credit hour
Provides students with observation of skilled interpreters in various educational K-12 settings throughout the semester. Opportunities to discuss with the interpreters their responsibilities and roles in providing communication access to students in and outside of the classroom in school-related activities. Course includes diversity content.

CSD 381. Practicum in Signing Exact English II  1 credit hour
Serves to define, examine and practice the separate components of sign and document practice within the realm of interpreting in educational settings. Course includes diversity content. Prerequisite: CSD 380.

CSD 416. Introduction to Language Disorders  3 credit hours
Introduces language disorders and children who do not acquire language typically. Studies language and behavioral characteristics of children with specific language impairment, mental retardation, learning disabilities, autism, hearing impairment and acquired language
disorders. Course includes diversity content. Prerequisites: CSD 304 with a grade of B (3.000 points per credit hour) or better, 304L, or instructor's consent. Corequisite: CSD 417.

CSD 416H. Introduction to Language Disorders - Honors 3 credit hours
Introduces language disorders and children who do not acquire language typically. Studies language and behavioral characteristics of children with specific language impairment, mental retardation, learning disabilities, autism, hearing impairment, and acquired language disorders. Prerequisite: CSD 304 with a grade of B (3.000 points per credit hour) or better, 304L, or instructor's consent. Corequisite: CSD 417.

CSD 417. Introduction to Language Disorders Lab 1 credit hour
Laboratory experience complimenting the topics covered in CSD 416. Includes classroom and clinic observations, language sampling and analyzing techniques and experiences. Prerequisites: CSD 304 with a grade of B (3.000 points per credit hour) or better, 304L, or instructor's consent. Corequisite: CSD 416.

CSD 420BA. ASL in Health Care Settings Badge: Introduction to Health Care Interpreting 0.5 credit hours
Designed to promote an infusion of resources related to interpreting in health care. Serves as an introduction to the benefits and challenges of interpreting in health care settings in an effort to prepare interpreters to make well-informed decisions about their readiness and qualifications for interpreting in these settings. Common questions asked during the health history and physical interview are covered while exploring how different cultural and linguistic abilities, perspectives, and life experiences may affect a patient's understanding and perception of the health care system. Course includes diversity content. Graded Bg/NGb. Prerequisite: fluent in ASL/English interpreting.

CSD 420BB. ASL in Health Care Settings Badge: Medical Terminology 0.5 credit hours
Focuses on increasing the interpreter’s vocabulary across a variety of medical terminology in order to accurately communicate appropriate information regarding a wide variety of medical conditions. Includes terminology related to cardiology, gastroenterology, OB/GYN, mental health and others. Course includes diversity content. Graded Bg/NGb. Prerequisite: fluent in ASL/English interpreting.

CSD 420BC. ASL in Health Care Settings Badge: Responses to Standard Medical Questions 0.5 credit hours
Focuses on increasing the interpreter’s ability to accurately interpret in a standard health care appointment. Covers the ASL community’s responses to common questions on a variety of ailments, from a variety of generations, during a medical appointment. Explores how different cultural and linguistic abilities, perspectives and life experiences may affect a patient’s understanding and response during the medical appointment. Course includes diversity content. Graded Bg/NGb. Prerequisite: fluent in ASL/English interpreting.

CSD 420BD. ASL in Health Care Settings Badge: Interpreting in the Emergency Room, Part I 0.5 credit hours
Focuses on covering the interpreter’s questions and responses to a request for interpreting services provided in the emergency room — including whether the interpreter is mentally and physically up to the challenge and whether they are qualified for and willing to provide the services needed. Addresses a complex number of issues regarding the person, the interpreter and medical needs. Course includes diversity content. Graded Bg/NGb. Prerequisite: fluent in ASL/English interpreting.

CSD 420BE. ASL in Health Care Settings Badge: Interpreting in the Emergency Room, Part II 0.5 credit hours
Builds on topics covered in CSD 420BD (part one). Part two covers the demands on the interpreter in the emergency room. Includes interviews with admissions, staff, medical personnel and all persons related to emergency room care. Topics that help the interpreter know how to make informed judgments about his/her role and responsibility in an emergency situation in order to appropriately represent the deaf person are discussed. Course includes diversity content. Graded Bg/NGb. Prerequisite: fluent in ASL/English interpreting.

CSD 420BF. ASL in Health Care Settings Badge: Ethical Standards in Health Care Interpreting 0.5 credit hours
Focuses on the interpreter’s knowledge of, and adherence to, ethical practices in medical settings. Includes, but is not limited to, maintaining confidentiality, interpreting English policies for the ASL consumer, and demonstrating the ability to hold a position of trust that serves both deaf and hearing consumers. Course includes diversity content. Graded Bg/NGb. Prerequisite: fluent in ASL/English interpreting.

CSD 425. Introduction to Clinical Processes 1 credit hour
Laboratory experience that provides students with an orientation to the WSU Speech-Language-Hearing Clinic environment, the opportunity to observe and assist with individuals experiencing communication challenges, and information regarding the diagnostic process with individuals experiencing communication challenges. Introduces the diagnostic process required for individuals with various communication delays and/or disorders. Prerequisites: senior standing, instructor's consent and medical clearance.

CSD 460. Signing Exact English III 2 credit hours
Increases expressive, receptive and voiced vocabulary in Signing Exact English and the use of visual features of signed languages. Production techniques, self- and peer-analyses, and skills pursuant to Kansas standards for interpreters in educational settings are applied. Course includes diversity content. Prerequisite: CSD 360.

CSD 470. American Sign Language III 3 credit hours
Students demonstrate expressive and receptive mastery of targeted, context-specific commands, questions and statements in ASL, and are exposed to ASL as a foreign language. Exposes students to the life and experiences of deaf people. Course includes diversity content. Prerequisite: CSD 370.

CSD 480. American Sign Language IV 3 credit hours
Increases vocabulary and speed of the use of ASL. Focuses on a greater fluency in expressive and receptive skills. Develops intermediate conversational skills. Course includes diversity content. Prerequisite: CSD 470.

CSD 481. Cooperative Education 1-8 credit hours
Allows students to participate in the cooperative education program. Graded Cr/NCr. Repeatable for credit.

CSD 481N. Internship 1-4 credit hours
Complements and enhances the student's academic program by providing an opportunity to apply and acquire knowledge in a workplace environment as an intern. Graded Cr/NCr. Prerequisite: departmental consent.

CSD 490. Directed Study in Speech and Language Pathology or Audiology 1-3 credit hours
Individual study or research on specific problems. Repeatable. Instructor's consent must be obtained prior to enrollment.

CSD 490D. Intro to Signed Language Interpreting 3 credit hours
This is an introductory overview to the profession of interpreting. Course content includes the history of interpreting, terminology, the responsibilities, skills, aptitudes of interpreters, the process of becoming
an interpreter, employment environment and options, and current issues.

**CSD 491. Honors Research Project  1-3 credit hours**
Directed scholarly project culminating in a public presentation as determined by the student's faculty mentor. Prerequisite: CSD honors track program approval.

**CSD 504. Aural Rehabilitation  3 credit hours**
Discussion and labs concerning the role of speech-language pathologists and audiologists in evaluation and treatment of hearing-impaired children, adolescents, adults and their families. Students focus on understanding psychological, social, educational and occupational impacts of hearing loss; on applying a rehabilitative model, technology, individual and group therapies, and collaboration with families and professionals to help hearing-impaired persons improve or cope better with their communication problems. Prerequisite: CSD 351 or instructor's consent.

**CSD 506. Acoustic and Perceptual Phonetics  3 credit hours**
Study of the physical patterns (acoustic) of speech sounds and the importance of these acoustic patterns to speech recognition (perception). Focuses on segmental phonemes (vowels and consonants) and on suprasegmental characteristics such as stress and intonation. Introduces different types of speech analysis techniques and discusses how they may be used to study the acoustic patterns of speech sounds. Studies how different aspects of the speech signal relate to listener perception. Prerequisites: PHYS/CSD 210; CSD 301 and 302 with grades of B (3.000 points/credit hr.) or better.

**CSD 506H. Acoustic and Perceptual Phonetics - Honors  3 credit hours**
Study of the physical patterns (acoustic) of speech sounds and the importance of these acoustic patterns to speech recognition (perception). Focuses on segmental phonemes (vowels and consonants) and on suprasegmental characteristics such as stress and intonation. Introduces different types of speech analysis techniques and discusses how they may be used to study the acoustic patterns of speech sounds. Studies how different aspects of the speech signal relate to listener perception. Honors section. Prerequisites: PHYS/CSD 210; CSD 301 and 302 with grades of B (3.000 points/credit hr.) or better.

**CSD 514. Speech-Sound Disorders  3 credit hours**
Discusses basic methods and procedures for identifying, assessing, analyzing and remediating speech-sound disorders. Practice in phonetic transcription of highly unintelligible speech samples. Course includes diversity content. Prerequisites: CSD 306 with a grade of B (3.000 points/credit hour) or better, 306L, or instructor's consent. Corequisite: CSD 515.

**CSD 514H. Speech-Sound Disorders - Honors  3 credit hours**
Discusses basic methods and procedures for identifying, assessing, analyzing and remediating speech-sound disorders. Practice in phonetic transcription of highly unintelligible speech samples. Course includes diversity content. Prerequisites: CSD 306 with a grade of B (3.000 points/credit hour) or better, 306L, or instructor's consent. Corequisite: CSD 515.

**CSD 515. Speech-Sound Disorders Lab  1 credit hour**
Laboratory experience compliments the topics covered in CSD 514 and includes classroom and clinic observations. Prerequisites: CSD 306 with a grade of B (3.000 points/credit hour) or better, 306L or instructor's consent. Corequisite: CSD 514.

**CSD 517. Communication in Aging  3 credit hours**
Focuses on how communication is affected by aging, what communication problems may be experienced by older persons, and what the implications are for speech-language pathologists and audiologists providing services to older persons. Explores prevention activities geared toward maintaining functional communication abilities in older adults as well as functional treatment approaches geared toward the specific communication needs of older persons. Course is appropriate for students in other fields of study. Course includes diversity content.

**CSD 517H. Communication in Aging - Honors  3 credit hours**
Focuses on how communication is affected by aging, what communication problems may be experienced by older persons, and what the implications are for speech-language pathologists and audiologists providing services to older persons. Explores prevention activities geared toward maintaining functional communication abilities in older adults as well as functional treatment approaches geared toward the specific communication needs of older persons. Honors section. Course is appropriate for students in other fields of study. Course includes diversity content.

**CSD 518. Deaf Culture  3 credit hours**
Examines various cultural aspects of the deaf community. Presents the interpersonal relationship of language and culture along with a study of socialization, norms and values. Course includes diversity content.

**CSD 519. Genetic and Organic Syndromes  3 credit hours**
Introduces human genetics and the impact of chromosomal and structural anomalies of communication disorders. Assessment and remediation of cleft palate speech. Prerequisites: CSD 301, 302 with grades of B (3.000 points/credit hour) or better. Corequisite: CSD 521.

**CSD 519H. Genetic and Organic Syndromes - Honors  3 credit hours**
Introduces human genetics and the impact of chromosomal and structural anomalies of communication disorders. Assessment and remediation of cleft palate speech. Prerequisites: CSD 301, 302 with grades of B (3.000 points/credit hour) or better. Corequisite: CSD 521.

**CSD 520. ASL: Nonverbal Communication  3 credit hours**
Nonverbal way of communication which forms an integral base for communication in American Sign Language. Emphasizes the use and understanding of facial expression gestures, pantomime and body language. Role play and acting out are required as part of this class. Prerequisite: CSD 370 or instructor's consent.

**CSD 521. Genetic and Organic Syndromes Lab  1 credit hour**
Laboratory experience which provides students the opportunity to observe and document assessment and treatment of individuals with various communication disorders caused by syndromic and/or gene-linked conditions. Prerequisites: CSD 301, 302 with grades of B (3.000 points/credit hour) or better. Corequisite: CSD 519.

**CSD 522. Deaf Heritage  2 credit hours**
Considers the history, nature and uses of language and its effect upon human thought and action. Also covers the ideas and ideals expressed by deaf people over many periods of time through drama, philosophy, painting and related areas. Course includes diversity content.

**CSD 605. Neuroscience of Speech and Language: Basic Processes  4 credit hours**
A consideration of basic neuroanatomy and neurophysiology necessary for obtaining an understanding of the representation of speech and language in the human central nervous system and of conditions resulting from neurological impairment. Prerequisites: CSD 301 with a grade of B (3.000 points/credit hour) or better, senior standing.

**CSD 605H. Neuroscience of Speech and Language: Basic Processes - Honors  4 credit hours**
A consideration of basic neuroanatomy and neurophysiology necessary for obtaining an understanding of the representation of speech and language in the human central nervous system and of conditions resulting from neurological impairment. Prerequisite: senior standing.
CSD 705. Counseling in Communication Disorders   2 credit hours
Provides information on the structure and conduct of interviews, basic counseling strategies, and consideration of the "helping" role as practiced by communication disorders professionals. Focuses on information supportive of developing effectiveness in these roles. Considers multicultural concerns. Course includes diversity content.

CSD 710. Autism Spectrum Disorders   2 credit hours
An overview of the characteristics and etiology of autism spectrum disorders and the knowledge needed to conduct effective communication and language assessments and develop evidence-based treatment strategies for individuals with ASD. Covers guidelines for the assessment and intervention of communication skills, including decision making for the selection of functional communication systems, structured teaching and positive environmental supports for effective learning. Course includes diversity content.

CSD 740. Selected Topics in Communication Sciences and Disorders   1-3 credit hours
Individual or group study in specialized areas of communication sciences and disorders. Repeatable for credit to a maximum of 6 hours. Prerequisite: instructor's consent.

CSD 740L. Speech Sound Disorders   2 credit hours
Discussed basic methods and procedures for identifying, assessing, analyzing and remediating speech-sound disorders. Practice in phonetic transcription of highly unintelligible speech samples. Includes classroom and clinic observations. Prerequisite: Admission to CSD graduate program.

CSD 750. Workshop in Communication Sciences and Disorders   1-4 credit hours
Individual or group study in specialized areas of communication sciences and disorders. Repeatable for credit to a maximum of 8 hours.

CSD 750Q. Improving Communication Skills of Children   1 credit hour
“Communication = Power! Improving the communication skills of individuals with complex communication challenges.” Workshop designed for teachers and speech-language pathologists who work with individuals who have been diagnosed with various disabilities, including autism spectrum disorder (ASD) and are minimally verbal or nonverbal. Participants engage in activities focused on selecting appropriate assessment tools, using a guided decision making process for developing instructional supports, setting goals and objectives based on assessments and observations, and implementing collaborative evidence-based instructional strategies, including augmentative alternative communication, in the classroom and/or home.

CSD 781. Cooperative Education   1-4 credit hours
A work-related placement that integrates theory with a planned and supervised professional experience designed to complement and enhance the student's academic program. May not be used toward degree requirements. Repeatable for credit. Graded Cr/NCr.