

COMMUNICATION SCI & DISORDERS (CSD)

CSD 212 Introduction to Communication Sciences and Disorders (3 Credits)

Arts & Sciences

Application of biology, physics, anatomy, physiology, and cognitive psychology to processes of speech, language, and hearing. Nature of disruptions to normal communication and scientific principles of prevention, diagnosis, and remediation. Cannot receive credit for both CSD 212 and CSD 303.

Shared Competencies: Critical and Creative Thinking (<https://coursecatalog.syracuse.edu/shared-competencies/critical-and-creative-thinking/>)

CSD 270 Experience Credit (1-6 Credits)

Arts & Sciences

Participation in a discipline or subject related experience. Student must be evaluated by written or oral reports or an examination. Permission in advance with the consent of the department chairperson, instructor, and dean. Limited to those in good academic standing. Repeatable

CSD 300 Selected Topics (1-6 Credits)

Arts & Sciences

Exploration of a topic (to be determined) not covered by the standard curriculum but of interest to faculty and students in a particular semester. Repeatable

CSD 303 Communication in the Classroom (3 Credits)

Arts & Sciences

Survey of development of oral communication and disorders that may interfere with effective communication and affect school performance. Emphasis upon collaboration between teachers and speech/language pathologists in describing and facilitating children's communication.

CSD 315 Anatomy and Physiology of the Speech and Hearing Mechanisms (3 Credits)

Arts & Sciences

Double-numbered with CSD 615

Structure and function of the skeletal, neurological, and muscular systems involved in breathing, phonation, resonance, articulation, and hearing. Additional work is required of graduate students.

Prereq: CSD 212

Shared Competencies: Critical and Creative Thinking (<https://coursecatalog.syracuse.edu/shared-competencies/critical-and-creative-thinking/>); Scientific Inquiry and Research Skills (<https://coursecatalog.syracuse.edu/shared-competencies/scientific-inquiry-and-research-skills/>)

CSD 316 Introduction to Applied Phonetics (3 Credits)

Arts & Sciences

Double-numbered with CSD 616

Anatomical structures and processes involved in speech production. Phonetic transcription of speech of adults, normally developing children, and children with speech disorders. Acoustic phonetics, phonology, and dialects. Additional work required of graduate students.

Shared Competencies: Communication Skills (<https://coursecatalog.syracuse.edu/shared-competencies/communication-skills/>)

CSD 325 Fundamentals of Hearing Sciences (3 Credits)

Arts & Sciences

Introductory anatomy, physiology, and function of the normal auditory system. Introduction to the physics of sound and psychoacoustic principles.

Prereq: CSD 212

Shared Competencies: Scientific Inquiry and Research Skills (<https://coursecatalog.syracuse.edu/shared-competencies/scientific-inquiry-and-research-skills/>)

CSD 345 Speech Science (3 Credits)

Arts & Sciences

Double-numbered with CSD 645

Scientific principles involved in normal speech production across all speech subsystems. Properties of the acoustic waveform, including acoustic phonetics for vowels and consonants. Basic speech instrumentation used to measure respiratory, phonatory, velopharyngeal/nasal, and pharyngeal/oral components. Theories of speech perception. Additional work required of graduate students.

Prereq: CSD 212

Shared Competencies: Critical and Creative Thinking (<https://coursecatalog.syracuse.edu/shared-competencies/critical-and-creative-thinking/>)

CSD 400 Selected Topics (1-6 Credits)

Arts & Sciences

Exploration of a topic (to be determined) not covered by the standard curriculum but of interest to faculty and students in a particular semester. Repeatable

CSD 409 Cognitive Neuroscience of Speech and Language (3 Credits)

Arts & Sciences

Cross-listed with NEU 409

Double-numbered with CSD 609

Neuroanatomical and neurophysiological aspects of speech and language. Role of central and peripheral nervous system in normal speech and language activities. Additional work required of graduate students.

Shared Competencies: Critical and Creative Thinking (<https://coursecatalog.syracuse.edu/shared-competencies/critical-and-creative-thinking/>)

CSD 422 Development of Speech and Language (3 Credits)

Arts & Sciences

Double-numbered with CSD 622

Theories and research on children's acquisition of communication, syntax, semantics, pragmatics, morphology, and phonology. Relationships between oral and written language skills in comprehension and production processing; individual differences; cognitive, social, biological, familial, and cultural influences. Additional work required of graduate students.

Shared Competencies: Communication Skills (<https://coursecatalog.syracuse.edu/shared-competencies/communication-skills/>)

CSD 426 Sociocultural Bases for Communication (3 Credits)*Arts & Sciences*

Double-numbered with CSD 626

This course will develop cultural competency for professionals working with linguistically diverse populations and will also consider issues related to mental health, cultural values, gender identity, and sexual orientation. Additional work required for graduate students.

University Requirement Course: IDEA Requirement Eligible

Shared Competencies: Civic and Global Responsibility (<https://coursecatalog.syracuse.edu/shared-competencies/civic-and-global-responsibility/>); Communication Skills (<https://coursecatalog.syracuse.edu/shared-competencies/communication-skills/>); Ethics and Integrity (<https://coursecatalog.syracuse.edu/shared-competencies/ethics-and-integrity/>)

CSD 427 Speech and Language Disorders in Children (3 Credits)*Arts & Sciences*

Double-numbered with CSD 627

Overview of normal articulation and development. Characteristics, incidence, etiology of childhood speech sound disorders and language impairment. Differences versus disorders. Principles of assessment and diagnostic. Elements of therapy, approaches to remediation. Additional work required of graduate students.

Prereq: CSD 316 and CSD 422

Shared Competencies: Scientific Inquiry and Research Skills (<https://coursecatalog.syracuse.edu/shared-competencies/scientific-inquiry-and-research-skills/>)

CSD 429 Basic Clinical Audiology (3 Credits)*Arts & Sciences*

Double-numbered with CSD 629

Introduction to clinical audiology; overview of hearing disorders, anatomy, and physiology of the auditory mechanism, evaluation and treatment; basic pure-tone and speech audiometry. Additional work required of graduate students.

Prereq: CSD 212

Shared Competencies: Scientific Inquiry and Research Skills (<https://coursecatalog.syracuse.edu/shared-competencies/scientific-inquiry-and-research-skills/>)

CSD 435 Aural Rehabilitation (3 Credits)*Arts & Sciences*

Double-numbered with CSD 635

Study of the management of children and adults with hearing impairments, with emphasis on the development and maintenance of functional communication through amplification, auditory training, speechreading, manual communication, and speech and language intervention. Additional work required of graduate students.

Shared Competencies: Communication Skills (<https://coursecatalog.syracuse.edu/shared-competencies/communication-skills/>)

CSD 436 Impact of Hearing Loss: Health, happiness, relationships, work and hearing aids (3 Credits)*Arts & Sciences*

Relationship between hearing loss and healthy aging. Cognitive, psychological and social consequences of untreated hearing loss. Hearing rehabilitative strategies; models of care, hearing technologies, benefits and barriers to their development and use.

CSD 450 Clinical/Classroom Practicum (1 Credit)*Arts & Sciences*

Supervised practicum in clinic, hospital, early intervention, or school setting. Includes planning, staffing, implementation, modification, and outcomes assessment of evaluation and intervention procedures with clients and their families; professional issues addressed in regular seminar meetings. Permission of instructor.

Repeatable 15 times for 15 credits maximum

Prereq: CSD 422; Coreq: CSD 451

CSD 451 Clinical Methods in Speech-Language Pathology (3 Credits)*Arts & Sciences*

Double-numbered with CSD 651

Introduces beginning clinicians to the therapeutic process ; professional expectations, the diagnosis process, general therapy considerations, therapy intervention techniques, evidence-based practice, and evaluation of the intervention process. Additional work required of graduate students.

Prereq: CSD 422

Shared Competencies: Communication Skills (<https://coursecatalog.syracuse.edu/shared-competencies/communication-skills/>)

CSD 470 Experience Credit (1-6 Credits)*Arts & Sciences*

Participation in a discipline or subject related experience. Student must be evaluated by written or oral reports or an examination. Permission in advance with the consent of the department chairperson, instructor, and dean. Limited to those in good academic standing.

Repeatable

CSD 477 Speech-Language Pathology in School Settings (3 Credits)*Arts & Sciences*

Double-numbered with CSD 677

Historical, legislative, administrative aspects of speech-language pathology school programming. Services delivery models; classroom management; collaborative assessment; and teaching, adapting, and implementing IEPs; social, cultural, linguistic, family, and community factors; rights and responsibilities in programming. Additional work required of graduate students.

Prereq: CSD 451

Shared Competencies: Critical and Creative Thinking (<https://coursecatalog.syracuse.edu/shared-competencies/critical-and-creative-thinking/>)

CSD 490 Independent Study (1-6 Credits)*Arts & Sciences*

Exploration of a problem, or problems, in depth. Individual independent study upon a plan submitted by the student. Admission by consent of supervising instructor(s) and the department.

Repeatable

CSD 499 Honors Capstone Project (1-3 Credits)*Arts & Sciences*

Completion of an Honors Capstone Project under the supervision of a faculty member.

Repeatable 3 times for 3 credits maximum

CSD 500 Selected Topics (1-6 Credits)*Arts & Sciences*

Exploration of a topic (to be determined) not covered by the standard curriculum but of interest to faculty and students in a particular semester.

Repeatable