



MS in Speech-Language Pathology

Graduate Course Descriptions & Undergraduate Pre-Requisites (effective fall 2021)

GRADUATE COURSE DESCRIPTIONS

CSD 5100 Professional Issues/Topics in SLP: Level 1 (1 credit)

The first level of the Professional Issues/Topics in SLP addresses the issues facing the graduate clinician in their practicum sites, as they embark on evaluation and remediation of disorders affecting communication. Skills needed for rehabilitation settings, populations, and age of the client will be addressed, as well as interaction with the health care team. Professional, ethical responsibilities and infection control will be a central focus of the course.

CSD 5110 Professional Issues/Topics in SLP: Level 2 (1 credit)

The second level of the Professional Issues/Topics in SLP focuses on case management, research principles in clinical practice, use of evidence-based practice, counseling, multicultural issues and updates on new healthcare regulation. CSD5110 will include guest speakers to inform the graduate clinician on specific aspects the SLP faces across work settings and across disorders.

Pre-requisite: CSD 5100.

CSD 5120 Professional Issues/Topics in SLP: Level 3 (1 credit)

The third level of the Professional Issues/topics in SLP focuses on coding and billing for services, advocacy for coverage and payment, healthcare regulations/reform affecting our profession, professionalism, ethical conduct, credentialing, and contemporary professional and multicultural issues.

Pre-requisites: CSD 5110.

CSD 5200 Externship: Level 1 (1 credit)

Participation in the Katz Community Clinical Initiative. *Pre-requisite: CSD 5100.*

CSD 5210 Externship: Level 2 (1 credit)

Full-time clinical practicum experience at a school, group practice, private practice, or non-profit organization with diagnostic and therapeutic participation in speech/language pathology.

Pre-requisites: CSD 5200, CSD 5300.

CSD 5220 Externship: Level 3 (1 credit)

Full-time clinical practicum experience at a medical setting, school, group practice, private practice, or non-profit organization with diagnostic and therapeutic participation in speech/language pathology.

Pre-requisite: CSD 5210.

CSD 5230 Externship: Level 4 (1 credit)

Full-time or part-time clinical practicum experience at a medical setting, school, group practice, private practice, or non-profit organization with diagnostic and therapeutic participation in speech/language pathology. *Pre-requisite: CSD 5220.*

CSD 5300 Diagnostic Methods in SLP (2 credits)

The philosophy and implementation of procedures for appraisal of communication disorders with emphasis upon the case history, interviewing, assessment (administration, scoring and interpretation of data obtained from observation and from diagnostic instruments used to evaluate language, cognition, articulation, fluency, voice and swallowing), diagnostic impressions, and development of a treatment plan. Observation of and participation in diagnostic sessions is required.

Pre-requisites: CSD 5010, CSD 6400.

CSD 5400 Communicating with Patients and Families (3 credits)

Course provides an overview of the personal and family emotional; impact of communication disorders, the need to provide healthy patient/professional dynamics to facilitate evaluation and rehabilitation, and acquisition of knowledge and skills related to appropriate communication with patients and their families/caregivers in clinical settings.

CSD 5600 Role of SLP in the Schools (3 credits)

This course explores the organization, management and administration of a school speech-language pathology program. It also incorporates principles of alternative and augmentative communication. This course is helpful for students seeking New York State certification as a Teacher of Students with Speech and Language Disabilities (TSSLD). *Pre-requisite: CSD 6410.*

CSD 5010 Speech Sound Disorders and Accented Speech (2 credits)

This course explores the normal acquisition of speech sounds, the etiology and nature of disorders of articulation, the assessment of speech production, and intervention methods for persons exhibiting articulatory and phonological disorders. Multicultural issues including accented speech and the assessment and treatment of speech disorders will be addressed. The role of phonological awareness in the acquisition of both speech and reading will also be discussed.

CSD 6110 Neuromotor Speech Disorders (3 credits)

This course examines neural anatomy of speech, with in-depth evaluation, analysis and remediation of motor speech disorders, including dysarthria and apraxia. Perceptual ratings of speech samples and subjective analysis of speech tendencies in adults is emphasized. The importance of research in motor speech disorders will be examined, including “hot topics” in current research. *Pre-requisite: CSD 5010.*

CSD 6120 Syndromes and Craniofacial Anomalies (3 credits)

This course examines the impact of syndromes, genetic defects, and trauma in the success of communication, with specific attention to speech production. Case analyses, etiologic factors, and review of pertinent research for orofacial anomalies, including cleft palate, are included.

Pre-requisite: CSD 6110.

CSD 6130 Stuttering and Related Fluency Disorders (3 credits)

This course covers advanced theories and techniques of diagnosis and treatment of stuttering behaviors in children and adults. Case analyses, etiologic factors, and review of pertinent research are included.

Pre-requisites: CSD 5400, CSD 6120.

CSD 6200 Voice Disorders (3 credits)

This course addresses assessment and management of voice and respiratory diseases affecting oral communication and activities of daily living, focusing on perceptual, acoustic, aerodynamic and

stroboscopic assessment, and the planning of goals/rationale/procedure for disorders affecting voice and respiration across the lifespan, population, and cultures. Case analyses, etiologic factors, and review of pertinent research in voice disorders are included. *Pre-requisite: CSD 6110.*

CSD 6210 Alaryngeal Speech, Head/Neck Cancer, Principles of Endoscopy (2 credits)

This course addresses the anatomical, physical, and psychological impact for the patient with head/neck cancer and/or laryngectomy, management of head/neck cancer, as well as the principles and infection control measures for endoscopy by the SLP. *Pre-requisites: CSD 6400, CSD 6300.*

CSD 6300 Pediatric Swallow and Airway Management (2 credits)

This course provides students with knowledge and resources necessary to effectively evaluate and treat feeding, swallowing and breathing disorders in medically complex infants and children in medical, school, and home settings. Normal and abnormal anatomy/physiology affecting swallow and airway assessment and management from infancy through childhood will be included. Case analyses, etiologic factors, and review of pertinent research in swallow and airway management are included.

Pre-requisite: CSD 6310.

CSD 6310 Geriatric Dysphagia and Airway Management (3 credits)

This course provides students with knowledge and resources necessary to effectively evaluate and treat feeding, swallowing and breathing disorders in medically complex adults. Normal and abnormal anatomy/physiology affecting swallow and airway assessment and management from adult through geriatric. Discussion of the role of therapeutic modalities (NMES, sEMG, Taping, Ultrasound) are included. Case analyses, etiologic factors, and review of pertinent research in swallow and airway management are included. *Pre-requisites: CSD 5400, CSD 5100.*

CSD 6400 Child Language Development, Usage and Literacy (3 credits)

This course addresses Child language acquisition, development and foundations of literacy from infancy thru school age. Includes neurological, psychological, developmental, linguistic and cultural bases; speech/language developmental milestones; and the relationship of language and literacy. Students will learn about common models of language processing and the latest advances in neuroimaging studies on language processing in the brain.

CSD 6410 Child Language Disorders (3 credits)

This course addresses the wide variety of congenital and acquired language delays and disorders seen in the pediatric population; confronts current issues in the identification, research literature in child language disorders, and multicultural issues affecting assessment and management of children with language and literacy disorders. *Pre-requisite: CSD 6400.*

CSD 6420 Aphasia (3 credits)

This course addresses evaluation, diagnosis, and treatment of adults with aphasia, current theories of language processing and of acquired language breakdown subsequent to neuropathology. Case analyses, etiologic factors, and review of pertinent research in aphasia are included. Treatment across modalities (verbal to non-verbal). *Pre-requisite: CSD 6110.*

CSD 6430 Cognitive and Higher-Level Language Disorders (3 credits)

This course addresses evaluation and management of processing disorders, autistic spectrum disorders, pragmatic language impairment disorders, specific language impairment and neurobehavioral disorders. Communication impairment from brain injury will be covered, as well as transdisciplinary approaches to cognitive disorders. Current issues in the field related to management of associated communication disorders as well as the importance of research in the field of cognitive disorders are discussed. *Co-requisite: CSD 6420.*

CSD 6510 Speech/Language Intervention for Hearing Impaired (3 credits)

Course examines the theory and clinical intervention for patients with hearing loss and a speech/language deficit. The impact of hearing disorders on communication is examined, including attention to receptive errors, speech/voice quality, and modification of treatment goals to account for underlying hearing deficit. The role of the SLP as a member of the cochlear implant team and/or deaf education is addressed. Case analyses, etiologic factors, and review of pertinent research are included.

Pre-requisite: CSD 6410.

CSD 6600 Research Methods and Critical Assessment of the Literature (3 credits)

This course focuses on application of design and analysis of research in Speech-Language pathology and includes sample peer reviews as well as critique of recent research articles. Discussion of Evidence Based Practice (EBP) in designing care plans.

CSD 7000 Capstone Project (1 credit)

This course serves as part of the comprehensive assessment of knowledge and skills for the graduate clinician, determining academic and clinical knowledge, applied to specific cases that are representative of the complexity expected of an individual who is prepared to enter the profession of speech-language pathology. The course is individually tailored to the degree candidate, taking into consideration the student's expressed area for Clinical Fellowship. *Pre-requisite: CSD 6600.*

UNDERGRADUATE PRE-REQUISITE COURSES

The following undergraduate courses are required for admissions to the MS in Speech-Language Pathology and for certification by ASHA and state licensing authorities.

Anatomy & Physiology for Speech-Language & Hearing Science (3 credits)

Study of the anatomical and physiological structures that underlie the vocal mechanism, as well as the basic properties of cells, tissues and systems common to all parts of the body, and examination of disease and pathologic conditions that relate to speech/voice.

Speech Science (3 credits)

An introduction to speech science theory, instrumentation, and measurement. Emphasis on normal speech production. This course addresses analysis of sound patterns and vocal production, perceptual aspects of acoustic patterns, examination of physiological and acoustic bases of speech, psychological aspects of acoustics, as well as critical analysis of voice quality.

Hearing Science (3 credits)

Scientific foundations of the hearing process are explored, focusing on the peripheral auditory systems, coding of the basic attributes of sound, and the perception of simple sounds.

Phonetics (3 credits)

The aim of this course is to provide the student with the practical skills to apply phonetics and phonology within the field of communication sciences and disorders. The involves the description and scientific explanation of language sound systems. It will give training in the production, perception, physiological and acoustic description, and IPA transcription of the speech sounds used in the languages of the world.

Biology (3 credits)

This course includes a study of living organisms and vital processes. Themes that will be covered in this course include scientific skills, ecology, biochemistry, cellular processes, genetics, evolution, classification of organisms, as well as plant and human body systems.

Chemistry or Physics (3 credits)

A course in elementary physics, covers the basic concepts, principles and history of physics. Course topics will include selected topics in mechanics, heat, light, sound, electricity and magnetism, and modern physics.

Introduction to the general principles of chemistry for students planning a professional career in chemistry, a related science, the health professions, or engineering. Stoichiometry, atomic structure, chemical bonding and geometry, thermochemistry, gases, types of chemical reactions, statistics.

Introduction to Speech-Language Pathology (3 credits)

Reviews various types of speech, voice, and language problems commonly evaluated and treated by practicing clinicians across the lifespan. Provides basic information about diagnosis and treatment in preparation for entering the field of communication sciences and disorders. Course focuses on development of treatment plans, establishment of evidence-based treatment objectives, tracking of treatment efficacy, record keeping, ethical professional behavior, and problem solving in a clinical setting.

Social or Behavioral Science Course (3 credits)

Social and Behavioral courses include psychology, sociology, and cultural anthropology. Course work emphasizes normal and abnormal individual development, as well as family, group, and cultural dimensions of behavior. Ethical and professional issues are also addressed. Skill development in interpersonal relations, problem solving, and evaluation of programs and research is stressed.

Statistics (3 credits)

This is an introductory course in statistics designed to provide students with the basic concepts of data analysis and statistical computing. Topics covered include basic descriptive measures, measures of association, probability theory, confidence intervals, and hypothesis testing.

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