

Table 3. Undergraduate CSD Program

I. Program's Learning Objectives – to provide essential background knowledge and foster attitudes to learning critical to further graduate education in Audiology or Speech-Language Pathology; Objectives based on CAA standards	II. Academic Courses that link to the objectives: The syllabi for each of the CSD courses (which are placed on file in the Department by the faculty each semester) have delineated and explicit course objectives/learner outcomes that link to the objectives in the left column. The syllabi are reviewed by the Undergraduate program coordinator and Undergraduate Advisors Group annually.	
Basic Communication and Swallowing Processes	Academic Course Title and #	Clinical Course Title and #
Biological, neurological, acoustic, psychological, developmental, and linguistic and cultural bases	CSD 200. Introduction to Speech and Language Disorders CSD 207. Phonetics CSD 208. Anatomy and Physiology of the Ear and Voice Mechanism CSD 209. Acoustics of Speech and Hearing CSD 300. Language Development CSD 301. Audiology CSD 415. Neuroanatomy and Neurogenic Communication Disorders G PSYC 101. General Psychology	NA
Introduction and Overview of Speech, Language, Hearing, Communication, and Swallowing Disorders and differences	Academic Course Title and #	Clinical Course Title and #
Articulation (including etiologies, characteristics, and anatomical/physiological, acoustic, psychological, developmental, linguistic, and cultural correlates)	CSD 200. Introduction to Speech and Language Disorders CSD 207. Phonetics CSD 208. Anatomy and Physiology of the Ear and Voice Mechanism CSD 209. Acoustics of Speech and Hearing CSD 300. Language Development CSD 314. Phonological and Language Disorders CSD 415. Neuroanatomy and Neurogenic Communication Disorders	NA
Fluency (including etiologies, characteristics, and anatomical/physiological, acoustic, psychological, developmental, linguistic, and cultural correlates)	CSD 200. Introduction to Speech and Language Disorders CSD 415. Neuroanatomy and Neurogenic Communication Disorders CSD 416. Organic Speech Disorders	NA
Voice and resonance, including respiration and phonation (including etiologies, characteristics, and anatomical/physiological, acoustic, psychological, developmental, linguistic, and cultural correlates)	CSD 200. Introduction to Speech and Language Disorders CSD 208. Anatomy and Physiology of the Ear and Voice Mechanism CSD 209. Acoustics of Speech and Hearing CSD 415. Neuroanatomy and Neurogenic Communication Disorders CSD 416. Organic Speech Disorders	NA
Receptive and expressive language (phonology, morphology, syntax, semantics, and pragmatics) in speaking, listening, reading, writing, and manual modalities (including etiologies, characteristics, and anatomical/physiological, acoustic,	CSD 200. Introduction to Speech and Language Disorders CSD 300. Language Development CSD 314. Phonological and Language Disorders CSD 415. Neuroanatomy and Neurogenic Communication Disorders	NA

psychological, developmental, linguistic, and cultural correlates)		
Hearing, including the impact on speech and language (including etiologies, characteristics, and anatomical/physiological, acoustic, psychological, developmental linguistic, and cultural correlates)	CSD 200. Introduction to Speech and Language Disorders CSD 208. Anatomy and Physiology of the Ear and Voice Mechanism CSD 209. Acoustics of Speech and Hearing CSD 300. Language Development CSD 301. Audiology CSD 318. Aural Rehabilitation CSD 415. Neuroanatomy and Neurogenic Communication Disorders CSD 416. Organic Speech Disorders	NA
Swallowing (oral, pharyngeal, esophageal, and related functions, including oral function for feeding; orofacial myofunction) (including etiologies, characteristics, and anatomical/physiological, acoustic, psychological, developmental, linguistic, and cultural correlates)	CSD 200. Introduction to Speech and Language Disorders CSD 208. Anatomy and Physiology of the Ear and Voice Mechanism CSD 415. Neuroanatomy and Neurogenic Communication Disorders CSD 416. Organic Speech Disorders	NA
Cognitive aspects of communication (e.g., attention, memory, sequencing, problem solving, executive functioning) (including etiologies, characteristics, and anatomical/physiological, acoustic, psychological, developmental, linguistic, and cultural correlates)	G PSYC 101. General Psychology CSD 200. Introduction to Speech and Language Disorders EXED 200. Nature and Issues of Disabilities G PSYC 160. Life Span Human Development CSD 300. Language Development CSD 314. Phonological and Language Disorders	NA
Social aspects of communication (e.g., behavioral and social skills affecting communication) (including etiologies, characteristics, and anatomical/physiological, acoustic, psychological, developmental, linguistic, and cultural correlates)	CSD 200. Introduction to Speech and Language Disorders EXED 200. Nature and Issues of Disabilities G PSYC 160. Life Span Human Development CSD 300. Language Development	NA
Communication modalities (e.g., oral, manual, and augmentative and alternative communication techniques and assistive technologies) (including etiologies, characteristics, and anatomical/physiological, acoustic, psychological, developmental, linguistic, and cultural correlates)	CSD 200. Introduction to Speech and Language Disorders G PSYC 160. Life Span Human Development CSD 300. Language Development CSD 318. Aural Rehabilitation CSD 415. Neuroanatomy and Neurogenic Communication Disorders CSD 416. Organic Speech Disorders	NA
Introduction to Contemporary Professional Issues	Academic Course Title and #	Clinical Course Title and #
Standards of ethical conduct	CSD 200. Introduction to Speech and Language Disorders CSD 470. Methods and Observation CSD 471. Methods and Observation in Audiology	NA
Certification, specialty recognition, licensure, and other relevant professional credentials	CSD 200. Introduction to Speech and Language Disorders CSD 470. Methods and Observation	NA

	CSD 471. Methods and Observation in Audiology	
Introduction to Research and Statistics	Academic Course Title and #	Clinical Course Title and #
Processes used in research and tools to analyze data	CSD 310. Biostatistical Methods for Communication Sciences and Disorders	NA
Introduction to Clinical Skills and Processes	Academic Course Title and #	Clinical Course Title and #
Critical observation of normal and impaired communication	CSD 470. Methods and Observation CSD 471. Methods and Observation in Audiology	NA
Understanding of administrative aspects of clinical management, e.g., record keeping, data taking	CSD 470. Methods and Observation CSD 471. Methods and Observation in Audiology	NA
Principles in developing measurable intervention objectives and/or planning clinical approaches	CSD 470. Methods and Observation CSD 471. Methods and Observation in Audiology	NA