

COMMUNICATION SCIENCES AND DISORDERS (CSAD)

CSAD 21. First Year Seminar: Becoming an Educated Person. 3 Units
General Education Area/Graduation Requirement: Understanding Personal Development (E)

Freshman seminar intended to provide students with an introduction to the nature and possible meanings of higher education and the functions and resources of the University. Designed to help students develop and exercise fundamental academic success strategies and to improve their basic learning skills. Also provide students with an opportunity to interact with fellow students and the seminar leader and to build a community of academic and personal support.

CSAD 97. Speech Improvement. 1 Unit

Individual assignments and practice in speech improvement. Limited to full-time university students with speech or hearing disorders. Provides assistance for students who must pass the speech examination for credential candidates.

Note: May be repeated.

Credit/No Credit

CSAD 110. Physics of Sound and Phonetics. 4 Units

Prerequisite(s): CHDV 30, DEAF 51, PSYC 2, and STAT 1

Corequisite(s): CSAD 111

Physical production, acoustic characteristics of sounds of speech. International Phonetic Alphabet as applied to speech sounds; practice in phonetic transcription of dialects and deviant speech; applications in speech education, speech and hearing therapy. Introduction to physiological acoustics, psychoacoustics, and acoustic phonetics. Perception of speech including voice, resonance, individual speech segments; instrumentation for acoustic and perceptual analysis of speech.

CSAD 111. Anatomy and Physiology of the Speech Mechanism. 3 Units

Prerequisite(s): CHDV 30, DEAF 51, PSYC 2, and STAT 1

Corequisite(s): CSAD 110

Anatomical, physiological and neurological bases of speech. Covers development, normal structure and function. A general course in human anatomy is recommended as background.

CSAD 112. Language Science and Development. 3 Units

Prerequisite(s): CHDV 30, DEAF 51, PSYC 2, and STAT 1

Overview and comparison of normal and abnormal child language development from infancy through upper elementary school. Establishes a framework for understanding language disorders including autism and pervasive developmental delay. Includes theories of language acquisition, basic principles of language sampling, systems of language, elements of grammar, and preparation for informal and standardized assessment of language disorders. Introduces students to the impact of variables such as attention deficit disorder, poverty, bilingualism on developing language skills.

CSAD 120. Introduction to Language, Speech and Hearing Problems. 3 Units

Review of normal speech and language development. Overview of language, speech, and hearing development and disorders including multicultural issues. Introduction to professional issues and ethics.

CSAD 122. Disability in the Popular Media. 3 Units

Focuses on the political, psychological, legal, and social-emotional aspects of physical, cognitive, and communication disability. Students will read literature and view films written by and/or on the topic of individuals with disability.

CSAD 123. Voice and Fluency. 3 Units

Prerequisite(s): CSAD 125, CSAD 126, PSYC 2, STAT 1, CHDV 30, and DEAF 51.

Fluency - Characteristics of stuttering, etiologic theories and their implications for treatment. Management of stuttering and other disorders of rhythm. Voice - Current concepts regarding anatomy and physiology, etiology, assessment and treatment of hyperfunctional and organic disorders.

CSAD 125. Developmental and Acquired Neurogenic Language Disorders Across the Lifespan. 3 Units

Prerequisite(s): CSAD 112, CHDV 30, PSYC 2, STAT 1, and DEAF 51.

Language disorders and the dynamic, reciprocal relationships between the disability, the client, his/her family, and the environment. Developmental and acquired neurogenic language disorders from infancy through adulthood will be covered including neurophysiology and neuropathology.

CSAD 126. Speech Sound Development and Disorders in Children: Aspects of Articulation and Phonology. 3 Units

Prerequisite(s): CSAD 110, CHDV 30, PSYC 2, STAT 1, and DEAF 51.

Study of normal articulation and phonological development in children. Discussion of etiologies and specific characteristics of articulatory-phonological disorders. Introductory description of foundational specific assessment and treatment principles. Analyzes case studies.

CSAD 127. Introduction to Medical Speech Pathology. 3 Units

Prerequisite(s): CSAD 123, CSAD 125, CSAD 126, PSYC 2, STAT 1, CHDV 30, and DEAF 51.

Current concepts regarding anatomy and physiology, etiology, assessment, and treatment of craniofacial disorders, laryngectomy, tracheostomy and dysphagia.

CSAD 129. Audiology for School Nurses. 3 Units

Designed for nursing students who are seeking coursework in Audiometric testing to support a School Nursing Credential. Overview of anatomy and physiology and pathologies/syndromes for the auditory system. Introduction to developmental auditory behaviors and a review of hearing testing and screening procedures including the California hearing Screening program for public schools.

CSAD 130. Audiology and Hearing Testing. 3 Units

Prerequisite(s): CHDV 30, DEAF 51, PSYC 2, STAT 1, CSAD 110 and CSAD 111

Introduction to audiology; anatomy and physiology of the hearing mechanism; pathologies of the ear; basic acoustics of sound and its relation to hearing and speech; school hearing screening; hearing conversation; audiometric interpretation and its relationship to speech language and learning disorders.

CSAD 133. Aural Rehabilitation. 3 Units

Prerequisite(s): CSAD 125, CSAD 126, CSAD 130, PSYC 2, STAT 1, CHDV 30, and DEAF 51.

According to Tye-Murray, aural rehabilitation is "intervention aimed at minimizing and alleviating the communication difficulties associated with hearing loss." This course examines communication assessment and remediation approaches for children and adults with both peripheral and central auditory problems.

- CSAD 140. SLPA Methods.** **3 Units**
Prerequisite(s): CSAD 145 and instructor permission.
Corequisite(s): CSAD 140L.
 Taken by students as one of their senior level courses when they wish to pursue a Speech-Language Pathology Assistant (SLPA) licensure. Graduate students who have not had a similar course and wish to obtain this licensure will also need to enroll prior to pursuing the licensure.
- CSAD 140L. SLPA Practicum, Ethical and Legal Parameters.** **3 Units**
Prerequisite(s): CSAD 145 and instructor permission.
Corequisite(s): CSAD 140.
 Taken by students as one of their senior level courses when they wish to pursue a Speech-Language Pathology Assistant (SLPA) licensure. Graduate students who have not had a similar course and wish to obtain this licensure will also need to enroll prior to pursuing the licensure.
- CSAD 142. Topics in Autism Spectrum Disorders.** **2 Units**
Prerequisite(s): CSAD 112, CSAD 125, PSYC 2, STAT 1, CHDV 30, and DEAF 51.
 Detailed look at characteristics of autism spectrum disorders (including Asperger's Syndrome, PDD-NOS and Autism). Issues related to diagnosis/assessment, early intervention, school-based intervention, functional therapeutic techniques and theories, and current "hot topics" in Autism (Theory of Mind, joint attention, biomedical issues, dietary restrictions, sensory regulation and intervention paradigms) will be a part of this course.
- CSAD 143. Communication Disorders in Multicultural Populations.** **3 Units**
Prerequisite(s): CSAD 110, CSAD 125, CSAD 126.
 Identification, evaluation, and treatment of multicultural, multilingual clients with communication disorders. Discussion of normal second language acquisition, bilingual development, and cultural values related to effective service delivery for multicultural clients.
- CSAD 145. Supervised Field Observations.** **1 Unit**
Prerequisite(s): CSAD 110, CSAD 111, CSAD 112, PSYC 2, STAT 1, CHDV 30, and DEAF 51.
Corequisite(s): CSAD 125, CSAD 126, and CSAD 130.
 Directed observations of speech and hearing testing (screening and diagnostic); therapy and case staffing in schools, service clinics and hospitals.
Note: Student must furnish transportation and Allied Health Education programs require a \$20.00 annual fee for insurance. The insurance is \$20.00 per academic year year and not charged per course.
 Credit/No Credit
- CSAD 146. Introduction to Clinical Issues and Methods.** **3 Units**
Prerequisite(s): CSAD 110, CSAD 111, CSAD 112, CSAD 125, CSAD 126, CSAD 130, and CSAD 145.
 Methods and materials used in clinical procedures are introduced. Work with graduate students and clients provides introduction to actual procedures and ethical practices. Introduction to ASHA Code of Ethics and legal issues in professional practice including federal and state laws and regulations, funding sources and scope of practice, survey of professional settings for speech and hearing services, including multidisciplinary settings. Prior to enrolling in CSAD 146, students must fulfill the catalogue requirements listed in the catalogue section "Undergraduate Clinical Assistantship."
Note: Allied Health and Education programs require a \$20.00 annual fee for insurance. The insurance is \$20.00 per academic year and not charged per course.
- CSAD 147. Assessment Procedures.** **3 Units**
Prerequisite(s): CSAD 125, CSAD 126, CSAD 145, PSYC 2, STAT 1, CHDV 30, and DEAF 51.
 Current principles, methods and materials used by the speech-language pathologist to assess communication disorders are presented. Issues related to a model of assessment, informal and formal testing, dynamic assessment, interview techniques, administration, scoring and interpretation of test results, report writing and related issues will be discussed.
- CSAD 148. Research in Speech -- Language Pathology and Audiology.** **3 Units**
Prerequisite(s): CSAD 110, CSAD 111, CSAD 112, CSAD 125, CSAD 126, CSAD 130, and CSAD 145.
 Survey of research strategies and methods in Speech-Language Pathology and Audiology. Statistical procedures and single-subject designs. Emphasis on interpreting research reports in the literature and on developing research projects. Writing research proposals and reports.
- CSAD 197. Speech Improvement.** **1 Unit**
 Individual assignment and practice in speech improvement. Limited to full-time university students with speech or hearing disorders. Provides assistance for students who must pass the speech examination for credential candidates.
Note: May be repeated.
 Credit/No Credit
- CSAD 199. Special Problems.** **1 - 3 Units**
 Individual projects or directed reading. Open only to students competent to carry on individual work.
Note: Departmental petition required.
 Credit/No Credit
- CSAD 217. AAC and Assistive Technologies.** **2 Units**
 Biological, acoustic, psychological, development, linguistic, and cultural bases for motor speech disorders, focusing on augmentative and alternative communication an assistive technologies as well as their assessment and treatment techniques.
- CSAD 218. Motor Speech Disorders.** **2 Units**
 Background pertinent to understanding neurophysiology associated with congenital and acquired dysarthria and dyspraxia, and descriptions and classifications of disorders and their causes, methods of assessment and treatment.
- CSAD 219. Counseling Techniques for Speech Pathologists and Audiologists.** **3 Units**
 Development of strategies for counseling and interviewing clients with communication disorders and their families. Development of specific skills such as effective listening, dealing constructively with emotions, working with families, and leading support groups. Students will learn to deal effectively with the affective side of communication disorders to help clients benefit maximally from assessment and treatment.
- CSAD 221. Neurogenic Language Disorders.** **4 Units**
 In-depth study of language and cognitive disorders in adult, secondary to cerebrovascular accident, dementia, and/or traumatic brain injury. Assessment and intervention strategies are covered with particular emphasis on functional outcomes.

- CSAD 222. Curriculum in Relation to Language -- Learning Disabilities in School-age Children. 3 Units**
Prerequisite(s): Instructor permission.
 Language acquisition as a continuum from oral language to reading and writing, the role of the speech-language specialist in working with reading disabilities; the interactions among speech-language intervention and curricula areas including mathematics, spelling, handwriting, social studies and language arts; and various service delivery models, including collaborative consultation and learning centers.
- CSAD 223. Advanced Seminar in Child Language Disorders. 3 Units**
Prerequisite(s): CSAD 125 or equivalent
 In-depth study of childhood language disorders emphasizing the use of critical thinking to integrate evidence-based practice into discussion of current assessment and intervention practices for children with primary and secondary language impairment. Specific topics include language sampling, early intervention, connecting intervention with Common Core State Standards, and team-based service delivery. Populations addressed include bilingual learners, those with working memory deficits, and autism spectrum disorder. The impact of the digital era and screen exposure on children with language impairment is discussed.
- CSAD 227. Dysphagia and the Medical Setting. 3 Units**
Prerequisite(s): CSAD 218, CSAD 221, instructor permission.
 Swallowing problems from infancy through old age; growth patterns and failures in younger populations; feeding and swallowing problems related to normal aging processes and those associated with neurogenic disorders. Assessment and treatment. Includes theoretical and experiential components. Overview of the role of Speech-Language Pathologist in the hospital setting including learning how to read medical charts, basic insurance information, understanding other disciplines and how they affect the job and career of an SLP in the hospital, and medical terms/abbreviations.
- CSAD 228A. Methods: Speech Disorders I. 2 Units**
Prerequisite(s): CSAD 125, CSAD 126, CSAD 143, CSAD 145, CSAD 146, CSAD 148 or equivalents; instructor permission.
Corequisite(s): CSAD 229A.
 Diagnosis and treatment as applied to the current caseload, including articulation and phonological disorders and characteristics associated with English as a second language (ESL) populations. Methods for both children and adults. Staffings, case studies and presentations, demonstrations and class discussions.
- CSAD 228B. Methods: Speech Disorders II. 1 Unit**
Prerequisite(s): CSAD 123, CSAD 127 or equivalents; CSAD 228A, instructor permission.
Corequisite(s): CSAD 229B.
 Techniques and materials for assessing and treating speech disorders emphasizing fluency and voice. Staffings and discussion of cases in the current caseload.
Note: May be repeated.
- CSAD 228C. Methods: Speech Disorders III. 1 Unit**
Prerequisite(s): CSAD 218, CSAD 228B; CSAD 221 may be concurrent; instructor permission.
Corequisite(s): CSAD 229C.
 Techniques and materials for assessing and treating clients with disordered speech secondary to developmental disabilities and syndromes, degenerative diseases or complex problems associated with English as a second language (ESL). Discussions of cases in the current caseload.
Note: May be repeated.
- CSAD 229A. Practice: Speech Disorders I. 2 Units**
Prerequisite(s): Instructor permission.
Corequisite(s): CSAD 228A.
 Supervised clinical practice emphasizing articulation and phonological disorders, and phonological difficulties associated with English as a second language (ESL). Clients may include both children and adults.
Note: Allied Health and Education programs require a \$20.00 annual fee for insurance. The insurance is \$20.00 per academic year and not charged per course.
- CSAD 229B. Practice: Speech Disorders II. 2 Units**
Prerequisite(s): Instructor permission.
Corequisite(s): CSAD 228B.
 Supervised clinical practice emphasizing clients whose speech is disrupted by abnormal rhythm and rate (e.g. stuttering and cluttering) or abnormal vocal pitch, loudness, and/or quality.
Note: Allied Health and Education programs require a \$20.00 annual fee for insurance. The insurance is \$20.00 per academic year and not charged per course.
- CSAD 229C. Practice: Speech Disorders III. 2 Units**
Prerequisite(s): Instructor permission.
Corequisite(s): CSAD 228C.
 Supervised clinical practice emphasizing children and adults whose speech is disrupted secondary to developmental disorders and syndromes, degenerative disorders or complex problems.
Note: Allied Health and Education programs require a \$20.00 annual fee for insurance. The insurance is \$20.00 per academic year and not charged per course.
- CSAD 241S. Practice: Hearing Screenings. 1 Unit**
Prerequisite(s): CSAD 130, or instructor permission.
 Supervised clinical practice in the administration of hearing screening tests. The student must furnish his/her own transportation. Fifteen to twenty hours for one unit.
Note: Allied Health and Education programs require a \$20.00 annual fee for insurance. The insurance is \$20.00 per academic year and not charged per course.
- Credit/No Credit
- CSAD 242A. Methods: Language Disorders I Professional Writing-Field of Speech-Language Pathology Audiology. 2 Units**
Prerequisite(s): Admission to Graduate Program
Corequisite(s): CSAD 243A
 Methods, materials and procedures in language disorders with emphasis on working with children and adults with peripheral hearing loss or central auditory processing disorders (CAPD). Includes staffing and discussion of cases in the current caseload. Focus on professional writing in the field of Speech-Language Pathology through the development of treatment plan proposals, critical responses, and clinic reports.
- CSAD 242B. Methods: Language Disorders II. 1 Unit**
Prerequisite(s): CSAD 223, CSAD 242A; instructor permission.
Corequisite(s): CSAD 243B.
 Techniques and materials for assessing and treating children with disordered language secondary to a myriad of contributing factors including delayed development, neurological problems and various genetic conditions. Discussion of cases in the current caseload.
Note: May be repeated.

<p>CSAD 242C. Methods: Language Disorders III. 1 Unit Prerequisite(s): CSAD 218, CSAD 242B; CSAD 221 may be taken concurrently; instructor permission. Corequisite(s): CSAD 243C. Techniques and materials for assessing and treating speech and language disorders emphasizing disorders secondary to cerebral vascular accidents, traumatic brain injury, or other neurological disorders. Discussion of cases in the current caseload. Note: May be repeated.</p>	<p>CSAD 250. Speech/Language Internships Seminar. 2 Units Prerequisite(s): CSAD 228A, CSAD 228B, CSAD 228C, CSAD 229A, CSAD 229B, CSAD 229C, CSAD 241S, CSAD 242A, CSAD 242B, CSAD 242C, CSAD 243A, CSAD 243B, CSAD 243C, CSAD 244, CSAD 245. Corequisite(s): CSAD 295I, or CSAD 295M, or CSAD 295P, or CSAD 295S. Assessment, scheduling and conducting language speech and hearing programs in schools. Related issues including scope of practice, managed care, interagency cooperation and transdisciplinary approaches.</p>
<p>CSAD 243A. Practice: Language Disorders I. 2 Units Prerequisite(s): Instructor permission. Corequisite(s): CSAD 242A. Supervised clinical practice in language disorders emphasizing children and adults with peripheral hearing loss or central auditory processing disorders (CAPD). Note: Allied Health and Education programs require a \$20.00 annual fee for insurance. The insurance is \$20.00 per academic year and not charged per course.</p>	<p>CSAD 295I. Internship: Speech-Language and Hearing Services in Schools (SLHS). 4 Units Prerequisite(s): All previous semester's clinical practica and coursework must be completed, achievement of a passing score on the CBEST. Corequisite(s): CSAD 250. Graded: Credit/No Credit Units: 4 Supervised clinical practice in the school setting. Students are expected to conform to the schedules of the placement(s) to which they are assigned. The student must furnish his/her own transportation. Credit/No Credit</p>
<p>CSAD 243B. Practice: Language Disorders II. 2 Units Prerequisite(s): Instructor permission. Corequisite(s): CSAD 242B. Supervised clinical practice with children demonstrating language disorders secondary to a myriad of contributing factors including delayed development, neurological problems, and various genetic conditions. Note: Allied Health and Education programs require a \$20.00 annual fee for insurance. The insurance is \$20.00 per academic year and not charged per course.</p>	<p>CSAD 295M. Internship: Speech-Language Pathology in a Medical Setting. 4 Units Prerequisite(s): All previous semester's clinical practica and coursework must be completed, achievement of a passing score on the CBEST. Corequisite(s): CSAD 250. Graded: Credit/No Credit Units: 4 Supervised clinical practice in a medical setting. Students are expected to conform to the schedules of the placement(s) to which they are assigned. The student must furnish his/her own transportation. Credit/No Credit</p>
<p>CSAD 243C. Practice: Language Disorders III. 2 Units Prerequisite(s): CSAD 243B; instructor permission. Corequisite(s): CSAD 242C. Supervised clinical practice emphasizing adult clients whose speech and language are disordered secondary to neurogenically related problems such as cerebrovascular accident, traumatic brain injury, or other neurological disorders. Note: Allied Health and Education programs require a \$20.00 annual fee for insurance. The insurance is \$20.00 per academic year and not charged per course.</p>	<p>CSAD 295P. Internship: Speech-Language Pathology in Private Practice. 4 Units Prerequisite(s): CSAD 250. All previous semester's clinical practica and coursework must be completed, achievement of a passing score on the CBEST. Graded: Credit/No Credit. Units: 4 Supervised clinical practice in a private practice setting. Students are expected to conform to the schedules of the placement(s) to which they are assigned. The student must furnish his/her own transportation. Credit/No Credit</p>
<p>CSAD 244. Methods: Speech -- Language Assessment. 1 Unit Prerequisite(s): CSAD 147 or equivalent; CSAD 228B, CSAD 242B; instructor permission. Corequisite(s): CSAD 245. Methods and materials for initial assessment in Speech-Language Pathology.</p>	<p>CSAD 295S. Internship: Special Class Authorization Eligibility. 4 Units Prerequisite(s): CSAD 250. All previous semester's clinical practica and coursework must be completed, achievement of a passing score on the CBEST. Graded: Credit/No Credit Units: 4 Supervised clinical practice in a medical setting. Students are expected to conform to the schedules of the placement(s) to which they are assigned. The student must furnish his/her own transportation. Credit/No Credit</p>
<p>CSAD 245. Practice: Speech -- Language Assessment. 1 Unit Prerequisite(s): Instructor permission. Corequisite(s): CSAD 244. Supervised clinical practice in assessment with a variety of communication disorders in children and adults. Experience with interdisciplinary teams. Note: Allied Health and Education programs require a \$20.00 annual fee for insurance. The insurance is \$20.00 per academic year and not charged per course.</p>	<p>CSAD 299. Special Problems. 1 - 3 Units Individual projects or directed reading. Open only to students who appear competent to carry on individual work. Note: Departmental petition required. Credit/No Credit</p>
	<p>CSAD 500C. Culminating Experience: Comprehensive Exam. 2 Units Prerequisite(s): Advanced to Candidacy Graded: Credit/No Credit Units: 2.0 Written exam comprised of eight questions. Examinees are given one and a half hours to complete each question.</p>

CSAD 500P. Culminating Experience: Project. 2 Units

Prerequisite(s): Advancement to Candidacy. Graded: Credit/No Credit.

Units: 2.0 - 4.0

Independent work conducted under the supervision of faculty members.

A project is a significant undertaking appropriate to the professional fields of Speech-Language Pathology or Audiology. It must evidence originality, independent thinking, appropriate form and organization, and a rationale. It must be described and summarized in a written document that includes the project's significance, objectives, methodology, and a conclusion or recommendation. Students must follow all department and university project guidelines.

CSAD 500T. Culminating Experience: Thesis. 2 Units

Prerequisite(s): Advanced to Candidacy. Graded: Credit/No Credit.

Independent research study, conducted under the supervision of faculty members. Thesis must involve a research question or hypothesis, review of pertinent literature, collection and analysis of data. It is the student's responsibility to locate and recruit subjects, to collect data, and to write the thesis. Students must follow all department and university thesis guidelines.