

**AUDIOLOGY AND
SPEECH SCIENCES**

ASC

**Department of Communicative
Sciences and Disorders
College of Communication
Arts and Sciences**

203 Introduction to Communication Sciences and Disorders
Fall, Spring. 3(3-0) Not open to students with credit in ASC 403.

Survey of research and practice regarding speech, hearing and language disorders in children and adults.

214 Anatomy and Physiology of the Speech and Hearing Mechanism

Fall. 4(3-2) P:M: ASC 203 or concurrently

Structural and functional analyses of the central and peripheral auditory mechanisms, and of the respiratory, phonatory, and articulatory mechanisms for speech.

232 Descriptive Phonetics

Fall, Spring. 2(1-2)

Principles of speech production. Transcription of speech using the International Phonetic Alphabet.

303 Hearing Science

Fall. 3(2-2) P:M: MTH 106 or MTH 152H or MTH 110 or MTH 201 or MTH 116 or STT 200 or MTH 124 or STT 201 or MTH 132 RB: Completion of one ISP course. SA: ASC 255

Physical and psychological aspects of sound and their measurement. Emphasis on the understanding of human communication and its disorders.

313 Speech Science

Spring. 3(2-2) P:M: ASC 214 and (ASC 232 or concurrently) RB: Completion of one ISP course SA: ASC 255

Processes underlying the production and perception of speech. Understanding human communication and its disorders.

333 Oral Language Development

Fall, Spring. 3(3-0) P:M: PSY 101 or LIN 200 or LIN 401 or ENG 302 R: Not open to freshmen.

Development of receptive and expressive aspects of child language.

344 Evaluation Procedures in Audiology

Spring. 4(3-2) P:M: (ASC 303) and completion of Tier I writing requirement

Classification of hearing disorders. Behavioral and electrophysiological measurement of hearing, including subjective and objective testing procedures.

364 Evaluation Procedures in Speech-Language Pathology

Fall. 4(3-2) P:M: (ASC 313) and completion of Tier I writing requirement.

Evaluation procedures in speech-language pathology. Test procedures. Analysis of results. Report writing.

394 Observation and Analysis of Clinical Practice

Fall, Spring, Summer. 1(0-2) P:M: ASC 344 and ASC 364

Case presentations. Interviewing techniques. Behavioral observation and data collection. Behavior management. Counseling. Session plan and report writing.

403 Communication Sciences and Disorders

Fall. 3(3-0) R: Not open to freshmen or sophomores. Not open to students in the Department of Audiology and Speech Sciences. Not open to students with credit in ASC 203.

Research and practice regarding communication disorders and the professions of speech-language pathology and audiology.

419 International Aspects of Communication Disorders

Spring, Summer. 1 to 6 credits. A student may earn a maximum of 9 credits in all enrollments for this course. P:M: ASC 214 and ASC 303 and ASC 313 and ASC 333 R: Approval of department.

Human communication disorders in international settings.

433 Language Dialect Differences in Applied Contexts

Spring. 3(3-0) P:M: ASC 333 or LIN 200 or LIN 401 or ENG 302

Regional, ethnic, and cultural characteristics of American English. Comparison of speech-language differences and disorders.

443 Rehabilitative Audiology

Fall. 3(3-0) P:M: ASC 344

Fundamental aspects of auditory rehabilitation. Individual and group amplification systems, auditory training, speechreading, and counseling with children and adults.

453 Mind-Body Communication

Fall, Spring. 3(3-0) R: Not open to freshmen or sophomores.

Beliefs, thoughts, and emotions affecting the human body and behavior. Intrapersonal communication. Applications to health, education, business, and motor performance.

463 Intervention Procedures in Speech-Language Pathology

Spring. 3(3-0) P:M: ASC 364

Intervention procedures for individuals with developmental and acquired communication disorders.

473 Phonological Disorders in Children

Spring. 3(3-0) P:M: ASC 364

Phonological theory, speech perception and production, nature of normal and abnormal phonological development. Preparation of assessment and treatment plans. Application of treatment principles to different populations and cultural groups. Practice with narrow phonetic transcription of speech and phonological process-analysis.

483 School-Based Communication Disorders Programs

Spring. 3(3-0) P:M: ASC 463 or concurrently

Administrative and regulatory aspects of school-based programs for persons with communication disorders.

490 Independent Study

Fall, Spring, Summer. 1 to 4 credits. A student may earn a maximum of 8 credits in all enrollments for this course. R: Approval of department.

Individualized student activities in human communication sciences and disorders.

491 Topics in Communication Sciences and Disorders

Fall, Spring. 1 to 3 credits. A student may earn a maximum of 6 credits in all enrollments for this course. R: Approval of department.

Varying topics related to normal or disordered communication.

494 Clinical Practicum in Communication Disorders

Fall, Spring, Summer. 2(0-4) A student may earn a maximum of 4 credits in all enrollments for this course. P:M: ASC394 and ASC463 RB: A minimum of 25 hours of approved clinical observation.

Supervised clinical experiences. Work with individuals having speech, language and/or hearing disorders.

803 Research Methods in Communication Sciences and Disorders

Fall. 3(3-0) R: Open only to graduate students in the Department of Audiology and Speech Sciences.

Hypothesis generation, experimental design, data collection, data analysis and presentation.

813 Neuroanatomy and Neurophysiology of Speech, Language, and Hearing

Fall. 3(3-0) R: Open only to graduate students in the Department of Audiology and Speech Sciences.

Structural and functional descriptions of the nervous system as it relates to communication sciences and disorders.

823A Acquired Language Disorders

Spring. 3(3-0) P:M: ASC 813 R: Open only to graduate students in the Department of Audiology and Speech Sciences.

Neuropathology, symptomatology, and speech-language rehabilitation of individuals with aphasia and related disorders.

823B Motor Speech Disorders

Fall. 3(3-0) RB: ASC 813 or concurrently R: Open only to graduate students in the Department of Audiology and Speech Sciences.

Neuropathology, symptomatology, and speech-language habilitation and rehabilitation of individuals with motor speech disorders.

823C Voice Disorders

Spring. 3(3-0) R: Open only to graduate students in the Department of Audiology and Speech Sciences.

Etiology, symptomatology, diagnosis, and treatment of voice disorders in children and adults.

823D Fluency Disorders

Fall. 3(3-0) R: Open only to graduate students in the Department of Audiology and Speech Sciences.

History, theories, symptomatology, diagnosis, and treatment of fluency disorders in children and adults.

Audiology and Speech Sciences—ASC

- 823E Assessment of Childhood Language Disorders**
Fall. 3(2-2) R: Open only to graduate students in the Department of Audiology and Speech Sciences.
Evaluation of language disorders of preschool, school-aged, and adolescent populations.
- 823F Language Intervention: Early Stages**
Spring. 3(3-0) RB: (ASC 823E) or approval of department. R: Open only to graduate students in the Department of Audiology and Speech Sciences.
Principles of intervention in language disorders for children functioning at or below preschool levels, regardless of chronological age.
- 823G Language Intervention: Later Stages**
Summer. 3(3-0) RB: (ASC 823E) or approval of department. R: Open only to graduate students in the Department of Audiology and Speech Sciences.
Principles of intervention in language disorders for school-age children and adolescents functioning above preschool levels.
- 823I Cognitive-Communicative Disorders**
Spring. 3(3-0) P:M: ASC 813 and ASC 823A and ASC 823B
Neurophysiological, speech-language, cognitive, neuropsychological, and social/emotional rehabilitation associated with traumatic brain injury, dementia, and right hemisphere neurological disorders.
- 823J Medical Aspects of Speech-Language Pathology**
Fall. 3(2-2) P:M: ASC 813 and ASC 823C C: ASC 823B concurrently.
Introduction to assessment, intervention, and management of persons with laryngectomy, tracheostomy, ventilator-dependence, and cleft lip and palate. Intensive study of the clinical procedures and instrumentation employed by speech-language pathologists who practice in medical settings.
- 823K Assessment and Treatment of Dysphagia**
Summer. 3(3-0) P:M: ASC 813 RB: ASC 823A and ASC 823C
Introduction to assessment, intervention, and management of persons with swallowing disorders.
- 823L Counseling in Communication Disorders**
Summer. 3(3-0) P:M: ASC 364 or ASC 344
Overview of counseling issues related to communication disorders.
- 823X Augmentative Communication**
Spring. 3(3-0)
History and philosophy of augmentative communication. Assessment, system selection, and intervention considerations for aided and unaided systems. Synthesized voice output and micro-processor-based systems.
- 833 Auditory Psychophysics**
Spring. 3(3-0) RB: ASC 803
Psychophysical theory and methods as applied to the study of hearing phenomena.
- 843A Diagnostic Audiology I**
Fall. 3(3-0) RB: ASC 344 and ASC 443 R: Open only to graduate students in the Department of Audiology and Speech Sciences.
Behavioral audiologic assessment of the peripheral and central auditory system.
- 843B Diagnostic Audiology II**
Spring. 3(3-0) P:M: ASC 843A
Electrophysiologic audiologic assessment of the peripheral and central auditory system.
- 843C Hearing Amplification I**
Fall. 3(3-0) P:M: ASC843A or concurrently
Historical and contemporary overview of personal amplification for individuals with hearing impairment. Theoretical and clinical strategies for evaluating and fitting contemporary hearing aids.
- 843E Pediatric Audiology**
Summer. 3(3-0) P:M: ASC 843A and ASC 843B
Audiologic diagnostic procedures for the pediatric population. Includes the impact of disabilities other than hearing loss.
- 843F Advanced Rehabilitative Audiology**
Fall. 3(2-2) P:M: ASC 443 RB: ASC 894A or ASC 894B R: Open only to graduate students in the Department of Audiology and Speech Sciences.
Impact of hearing impairment on communication processes. History of and current practices in intervention for children and adults who have hearing impairment.
- 843G Medical Aspects of Audiology**
Fall. 3(3-0) R: Open only to graduate students in the Department of Audiology and Speech Sciences.
Nature and bases of hearing impairment, and management principles from a medical perspective.
- 843I Hearing Amplification II**
Spring. 3(3-0) P:M: ASC 843C
Advanced theoretical and clinical strategies for evaluating and fitting contemporary hearing aids. Assistive-listening devices, classroom amplification, hearing-aid dispensing, and contemporary clinical and research issues in amplification.
- 843J Manual Communication for Clinical Settings**
Summer. 3(3-0) P:M: ASC 344
Introduction to the use of manually coded English sign systems and Pidgin Sign English in diagnostic and treatment sessions.
- 890 Independent Study**
Fall, Spring, Summer. 1 to 4 credits. A student may earn a maximum of 8 credits in all enrollments for this course. R: Open only to master's students in the Audiology and Speech Sciences major. Approval of department.
Individualized study under faculty direction.
- 894A Clinical Practicum in Speech-Language Pathology**
Fall, Spring, Summer. 1 to 3 credits. A student may earn a maximum of 8 credits in all enrollments for this course. R: Open only to graduate students in the Department of Audiology and Speech Sciences.
Supervised clinical experience in the management of clients with speech-language disorders.
- 894B Clinical Practicum in Audiology**
Fall, Spring, Summer. 1 credit. A student may earn a maximum of 6 credits in all enrollments for this course. R: Open only to graduate students in the Department of Audiology and Speech Sciences. Approval of department.
Supervised clinical experience in the management of clients with hearing disorders.
- 899 Master's Thesis Research**
Fall, Spring, Summer. 1 to 4 credits. A student may earn a maximum of 6 credits in all enrollments for this course. R: Open only to graduate students in the Department of Audiology and Speech Sciences. Approval of department.
Master's thesis research.
- 914A Speech Production**
Spring of even years. 4(3-2)
Issues in speech production. Reference to human communication and its disorders.
- 914B Speech Perception**
Spring of odd years. 4(3-2)
Issues in speech perception. Reference to human communication and its disorders.
- 990 Independent Study**
Fall, Spring, Summer. 1 to 4 credits. A student may earn a maximum of 16 credits in all enrollments for this course. R: Open only to Ph.D. students. Approval of department.
Individualized study under faculty direction.
- 991 Special Topics in Communication Sciences and Disorders**
Fall, Spring, Summer. 1 to 4 credits. A student may earn a maximum of 12 credits in all enrollments for this course. R: Open only to graduate students in the Department of Audiology and Speech Sciences or approval of department.
Selected topics in human communication and its disorders.
- 992 Seminar in Communication Sciences and Disorders**
Fall, Spring. 3(3-0) A student may earn a maximum of 12 credits in all enrollments for this course. R: Open only to graduate students in the Department of Audiology and Speech Sciences.
Topical themes in human communication and its disorders.
- 994 Research Practicum in Communication Sciences and Disorders**
Fall, Spring, Summer. 1 credit. A student may earn a maximum of 12 credits in all enrollments for this course. RB: ASC 803 or concurrently R: Approval of department.
Individual research under faculty supervision.
- 999 Doctoral Dissertation Research**
Fall, Spring, Summer. 1 to 24 credits. A student may earn a maximum of 99 credits in all enrollments for this course. R: Open only to doctoral students in the Department of Audiology and Speech Sciences. Approval of department.
Doctoral dissertation research.