therapeutic family concerns. Prerequisite: Advanced-year status or permission of instructor.

SOWK655 **(2)**
Organizational/Community Assessment
The basic underpinnings of organizational dynamics. Students explore the historical influences on and current challenges faced by social-work managers. The basics of management-assessment skills and human issues that impact organization explored. Prerequisite: Advanced-year placement. *Fall*

SOWK667 **(2)**
Interventions in Gerontology
This course will utilize bio-psychosocial knowledge about older adults to assess and apply advanced interventions in a variety of practice settings. Using case examples and practice activities, evidence-based therapeutic models and interventions will be examined to address these issues.

SOWK675 **(1–4)**
Topics in: ___
Students are able to select offerings from various contemporary social-work topics. Repeatable with different topics.

SOWK690 **(1–3)**
Independent Study/Research
Open to qualified students who show ability and initiative. See the department policy for specific requirements. Prerequisites: Permission of Graduate Program Director and instructor.

SPEECH-LANGUAGE PATHOLOGY & AUDIOLOGY

Bell Hall, Room 157
269-471-3468
speech@andrews.edu
www.andrews.edu/cas/speech/

Faculty
Darah J. Regal, *Chair*
Brynja K. Davis

Academic Programs	Credits
BS: Speech-Language Pathology and Audiology	46
Minor in Speech-Language Pathology and Audiology	23

Mission

The Andrews University Department of Speech-Language Pathology & Audiology provides faith-affirming Christian education focusing on the knowledge and practice of speech-language pathology and audiology. Majors are expected to become knowledgeable about a variety of communication disorders, their etiology, and treatment; develop professional skills and demeanor; treat all parients with respect regardless of age, gender or ethnicty; provide effective clinical services; and successfully prepare for graduate education and service to the world.

Speech-language pathology and audiology are two disciplines that focus on communication problems. Speech-language pathologists work with individuals who have difficulties speaking fluently and clearly, understanding speech, using their voices, formulating language, and feeding and/or swallowing. Audiologists work with individuals who have difficulty with hearing, central auditory processing, dizziness, and tinnitus. Speech-language pathologists and audiologists work in a variety of settings including hospitals, schools, rehabilitation centers, and private practice.

The major in speech-language pathology and audiology at Andrews University offers pre-professional (undergraduate) education for those interested in becoming speech-language pathologists or audiologists. The undergraduate curriculum not only provides students with the prerequisite coursework for graduate school admission, but also with opportunities for clinical experience in the department and community. Individuals desiring to become speech-language pathologists must obtain a master's degree. Individuals desiring to become audiologists must obtain a clinical doctorate (AuD). Details of graduate programs are available through the department office.

Students entering the program as sophomores (with a minimum of 25 credits) must have a cumulative GPA of 2.75 or above. Courses SPPA234 and SPPA270 are open to all students, including those with less than a 2.75 cumulative GPA; however a cumulative GPA of 3.0 is required for all upper division (300 and 400 level) courses. Juniors (with a minimum of 57 credits) deciding to transfer into the program must have a 3.0 minimum cumulative GPA. The major is designed so that it may be completed during a student's junior and senior years.

Programs

BS: Speech-Language Pathology and Audiology (46)

SPPA234, 270, 280, 285, 310, 321, 322, 331, 332, 374, 425, 447, 455, 458, 471, and 472.

Cognate: PHYS225 (Meets the General Education Life/Physical Science requirement)

Recommended Courses: COMM436, ENGL460, BHSC230, STAT285, BIOL208, PSYC425.

Minor in Speech-Language Pathology and Audiology (23)

SPPA234, 270, 280, 285, 321, 322, 331, and 374.

Students in education, communication, and behavioral science find a speech-language pathology and audiology minor helpful for increasing their awareness and understanding of people with speech, language, and hearing impairments. The minor also gives students with another major the necessary background to pursue graduate studies in speech-language pathology or audiology.

Courses (Credits)

See inside front cover for symbol code.

SPPA234 **(3)**
Introduction to Speech-Language Pathology and Audiology
An introduction to the professions of speech-language pathology and audiology, this course surveys the possible etiologies and characteristics of various communication problems encountered by clinicians. Language and communication differences in a multicultural society are also examined.

SPPA250 **(2)**
Fieldwork
Students participate in experiences in the community related to the professions of speech-language pathology and audiology. Open to majors who have applied one semester in advance. Repeatable. Does not apply to major or minor. Meets the general education fieldwork requirement.

SPPA270 **(1)**
Preclinical Observation
Students observe and write reports on a total of 25 hours of therapy and/or diagnostic sessions in the areas of speech-language pathology and audiology. They also participate in discussions of procedures used by the professionals during therapeutic interventions.

SPPA280 **$ (4)**
Anatomy and Physiology of Speech and Hearing
The study of the anatomy and physiology of respiration, hearing, phonation, articulation, and the central nervous system. Students participate in a gross-anatomy human cadaver lab. Weekly: 3 lectures and 1 lab.

SPPA285 **(3)**
Applied Phonetics
A study of the International Phonetic Alphabet and its application to speech and hearing sciences. Includes an introduction to acoustic theory and spectrographic analysis of speech. Skill is developed in transcription of both normal and disordered speech in children and adults.

SPPA310 **(3)**
Speech Science
An exploration of the theoretical information regarding speech perception and hearing, using concepts of physics, anatomy, and physiology. Clinical applications and management strategies for specific speech and hearing disorders will also be addressed. Prerequisites: SPPA234, 280.

SPPA321 **(3)**
Normal Language Development
A comprehensive look at the normal development of speech and language in the child. Includes the areas of language prerequisite skills, phonology, morphology, semantics, syntax, and pragmatics.

SPPA322 **(3)**
Child Language Disorders
A study of the factors contributing to the development of disordered speech and language. Includes traditional and more recent classification systems and a survey of characteristic disorders. Introduction to methods of evaluation and therapy. Prerequisite: SPPA321.

SPPA331 **$ (3)**
Basic Audiology
Survey of the normal auditory system and the pathologies that affect its functioning. Includes the physics of sound, standard reference levels, and auditory perception. Methods of administering and interpreting pure tone, speech threshold, and speech recognition tests are presented in classroom and lab settings.

SPPA332 **$ (3)**
Audiological Procedures
Continued study of auditory testing with an overview of differential diagnostic tests in the identification of auditory pathologies. Includes clinical masking and acoustic immittance measures. Techniques are presented for evaluating special populations including infants and young children, industrial, and the pseudo-hypacusic. Prerequisite: SPPA331.

SPPA374 **(3)**
Articulation and Phonology: Development and Disorders
A survey of phonological development, and characteristics of articulation and phonology disorders. Discussion of etiologies, assessment, and management of these disorders is included. Prerequisite: SPPA285.

SPPA415 **(3)**
Seminar in Communication Disorders:_____
Advanced study into professional and/or clinical aspects of speech-language pathology and/or audiology. Repeatable as content changes.

SPPA425 **(3)**
Clinical Principles and Practices
Discussion of principles underlying clinician/client relationships and interventions for communication disorders. Instruction in clinical management for speech-language pathology, including developing instructional programs, obtaining target behaviors, record keeping, and report writing. Prerequisites: SPPA321, 322.

SPPA435 **(3)**
Communication Development and Disorders for Classroom Teachers
An overview of normal language acquisition and development, along with a survey of typical communication disorders and their impact on students' academic success. Issues such as public laws and policies affecting the communicatively handicapped, language and communication differences in multicultural populations, and collaborative management models are also addressed.

SPPA447 **(4)**
Disorders of Voice and Fluency
A study of the anatomy and physiology of the vocal mechanism, with emphasis on normal and abnormal processes of voice and fluency. Assessment and treatment principles of functional, organic and neurological voice pathologies will be addressed, as well as basic principles of stuttering diagnosis and therapy. Prerequisites: SPPA234, 280, 310.

SPPA455 **(3)**
Adult Neurogenic Disorders
A study of neuroanatomy, as well as the interaction of language and cognition, and hemispheric specialization. This course also covers the classification, etiology, and assessment of individuals with speech, cognitive-linguistic, and swallowing disorders associated with central nervous system damage. Therapeutic principles are introduced. Prerequisites: SPPA234, 280, 321.

SPPA458 **(3)**
Aural Rehabilitation
A conceptual approach to the rehabilitation of the hearing-impaired. Methods of management which optimize the use of residual hearing with amplification or other assistive devices are considered for patients from birth to geriatric. Prerequisites: SPPA331, 332.

SPPA471 **$ (2)**
Clinical Practicum in Speech-Language Pathology
Supervised practice in clinical management of persons with communication disorders, including administration of tests and implementation of therapy programs. Prerequisites: A content course in practicum area; 25 hours of observation in speech-language pathology and audiology; and permission of instructor. Prerequisite or corequisite: SPPA425.

SPPA472 **$ (2)**
Clinical Practicum in Audiology
Supervised practice in test administration, report writing, and clinical management of persons with communication disorders related to audiology. Prerequisites: SPPA331,332, permission of instructor, and 25 hours of observation in speech-language pathology and audiology.

SPPA478 **$ (0)**
Study Tour:
Travel to destinations relevant to individual programs of study. Classes will be selected from department(s) offerings. Fee may be required.

SPPA480 **(1–2)**
Topics in _____
Selected topics in audiology and speech-language pathology. Consult current class schedule for topics offered each year. Repeatable as topics vary.

SPPA495 **(1–4)**
Independent Research/Project
Arranged on a contract basis with a faculty member.