

health-care environment are explored. Current issues and the challenges created by managed care upon health-care social workers are emphasized. The impact of current demographic trends on health-care-service delivery are addressed. Prerequisites: SOWK512 or advanced placement.

**SOWK636** (2)  
***Mental Disorders and Deviant Behavior in Children and Youth***  
 Examines dysfunctional behavior of children and youth. Focus on observation, assessment, measurement, and intervention from an ecological perspective. Presents the social worker's role in designing interventions sensitive to gender, race, ethnic, and socio-economic differences. Prerequisites: SOWK511,512 or advanced placement.

**SOWK640** (2)  
***Intervention in Marital Conflict***  
 Preparation for solution-focused brief marital therapy. It seeks to uncover and utilize counselee's strengths to improve marital communication and satisfaction. Research-based techniques applied through role-playing and other experiential activities. Prerequisite: SOWK422 or SOWK511 or an equivalent graduate course in social-work methods or counseling.

**SOWK647** (2)  
***Crisis Intervention***  
 Survey of brief treatment models. Direct application of the different approaches to populations in crisis. Prerequisite: SOWK512 or advanced placement.

**SOWK657** (2)  
***Cognitive and Behavioral Theory***  
 The research-based theory and techniques of cognitive and behavioral therapy. Focuses on the use of cognitive behavioral therapy with individuals, couples, or groups experiencing problems related to depression, pain, addictions, anxiety disorders, and phobias. Ethical and legal implications considered. Prerequisite: SOWK512 or advanced placement.

**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 AND AUDIOLOGY

Bell Hall, Room 157  
 (616) 471-3468  
 speech@andrews.edu  
 http://www.andrews.edu/SPPA

**Faculty**  
 Pamela S. Dutcher, *Chair*  
 Lena G. Caesar  
 Mary Jo Canaday

Academic Programs	Credits
BS: Speech-Language Pathology and Audiology	64
Minor in Speech-Language Pathology and Audiology	30

Speech-language pathology and audiology are two disciplines that focus on communication problems. Speech-language pathologists work with individuals who have difficulties (1) learning to speak, (2) understanding others, (3) using their voices, (4) speaking fluently, and (5) feeding and/or swallowing. Audiologists work with individuals who have difficulty hearing.

A major in speech-language pathology and audiology offers pre-professional education for those interested in becoming speech-language pathologists or audiologists. The department is affiliated with the Lakeland Hearing and Speech Center where students observe and work with individuals who have a variety of communication problems.

The major may be completed during a student's junior and senior years. Individuals desiring to become speech-language pathologists or audiologists must obtain a master's degree in either of these areas. Details of graduate programs are available through the department office.

With the exception of SPPA234 and SPPA270, a cumulative 2.25 GPA is required before entering 200-level courses. A cumulative 3.00 GPA is required before entering 300- or 400-level courses. Exceptions require departmental approval.

## Programs

**BS: Speech-Language Pathology and Audiology—64**  
 SPPA234, 270, 280, 285, 321, 322, 331, 332, 374, 384, 420, 430, 444, 445, 450, 458, 470, 471, and 472.  
**Required Cognate:** STAT285.  
**Recommended Courses:** PHYS405, ENGL460.

**Minor in Speech-Language Pathology and Audiology—30**

SPPA234, 280, 321, 322, 331, and 9 credits of electives in speech-language pathology and audiology.

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 back cover for symbol code.

**SPPA234** (4)  
***Introduction to Speech-Language Pathology and Audiology***  
 Introduces the professions of speech-language pathology and audiology. Surveys the possible etiologies and characteristics of various communication problems encountered by clinicians. Language and communication differences in a multicultural society are examined.

**SPPA250** (2)  
***Fieldwork***  
 Students will participate in selected speech-language and audiology experiences in the community. Consult class schedule for specific area. Open to majors who have applied one quarter in advance. Repeatable.

**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** (5) \$  
***Anatomy and Physiology of Speech and Hearing***  
 The study of the structural anatomy and the physiology of respiration, hearing, phonation, articulation, and the nervous system. Students participate in a gross-anatomy lab scheduled once a week.

**SPPA285** (4)  
***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.

**SPPA321** (4)  
***Speech and 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** (4)  
***Child Language Disorders***  
 A study of the factors contributing to the devel-

opment 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** \$ (4)

**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 and speech threshold tests are presented. Prerequisite: SPPA280.

**SPPA332** \$ (4)

**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-hypacusis. Prerequisites: SPPA280, 331.

**SPPA374** (4)

**Disorders of Articulation and Phonology**

A survey of the development of articulation and phonology and their disorders. Includes etiologies, characteristics, diagnosis, and management of these disorders. Prerequisite: SPPA234, 280, 285.

**SPPA384** (3)

**Fluency Disorders**

A study of normal fluency and its development, along with characteristics of fluency disorders. Diagnosis and options for managing dysfluencies in children and adults are described. Prerequisites: SPPA234, 280.

**SPPA420** (3)

**Issues in Professionalism**

A study of professional issues and ethical responsibilities toward patients. Opportunities to stimulate critical thinking about problems and challenges that face the health-care field.

**SPPA430** (3)

**Communication Disorders in Culturally Diverse Populations**

A study of the impact of culture on communication development. Cultural factors that affect the assessment and treatment of communication disorders are reviewed, with a focus on creating culturally sensitive interventions. Prerequisite: COMM436 strongly recommended.

**SPPA444** (3)

**Voice Disorders**

A study of the vocal mechanism, with a focus on organic and functional voice disorders, their etiologies and characteristics, and basic principles of diagnosis and therapy. Prerequisites: SPPA234, 280.

**SPPA445** (4)

**Neurogenic Communication Disorders**

A study of the neuropathologies associated with speech, swallowing, language, and cognitive disturbances. Basic neuroanatomy, assessment, and therapeutic principles are introduced. Prerequisites: SPPA234, 280.

**SPPA450** (4)

**Clinical Methods and Techniques**

Instruction in methods and techniques of clinician/client relationships, clinical management, record keeping and report writing for speech and language problems. Includes writing behavioral objectives, setting up instructional programs, collecting and recording data, and providing reinforcement. Prerequisite: SPPA234, 321, 322.

**SPPA458** (4)

**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. Prerequisite: SPPA331,332.

**SPPA470** \$ (4)

**Diagnostic Techniques in Speech-Language Pathology**

A study of tests and measurements used in the diagnosis of speech and language disorders. Instruction is given in planning diagnostic sessions, interpreting data, and writing professional reports as well as administering diagnostic measures. Prerequisites: SPPA234, 280, 285, 322, 331.

**SPPA471** \$ (1-2)

**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: SPPA234, 450, and a content course in practicum area; 25 hours of observation in speech-language pathology and/or audiology; and permission of instructor. Repeatable to 6 credits.

**SPPA472** \$ (1-2)

**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/or audiology. Repeatable to 6 credits.

**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** (1-6)

**Independent Research/Project**

Arranged on a contract basis with a faculty member.