

The Profession

Audiologists are health care professionals who are experts in the non-medical management of the auditory and balance systems. Audiologists evaluate hearing and hearing loss; recommend, fit, and verify personal amplification systems; and assist in school-based amplification decisions as well as many other activities. Graduates of this program are prepared for positions in a variety of professional settings, including hospitals and clinics; private practice; physicians' offices; community speech, language, and hearing centers; college programs; rehabilitation centers; day care centers; residential institutions; school systems, and industrial settings.

The Program

The Department of Audiology and Speech Pathology offers a Doctor of Audiology (Au.D.) degree program through the College of Health Related Professions at the University of Arkansas for Medical Sciences in a consortium with the College of Professional Studies at the University of Arkansas at Little Rock. This unique educational and training consortium combines the academic and clinical resources of a major medical sciences campus with those of a large, comprehensive, metropolitan university. The curriculum is designed to emphasize the science of hearing, balance, speech, and language; the acquisition of knowledge about human communication disorders; and the study and practice of methods for evaluation and treatment. Practicum experiences are provided in a number of different settings, primarily in the central Arkansas area. Two program tracks are offered to students; one is the post-bachelor's degree track and the other is the post-master's degree track.

Preprofessional Requirements

Students applying for admission to the Au.D. program must have earned at least a bachelor's degree from a regionally accredited college or university. Undergraduate course work in mathematics (college algebra or higher) and in biologic, physical, and behavioral sciences is required. If the major is in an area other than communication sciences and disorders (CSD), the student will be required to take one course in phonetics and one course in language acquisition in addition to the Au.D. course work. If these are not completed prior to admission they must be completed during the course of study for the Au.D.

Professional Curriculum*

The program requires 118 graduate semester credit hours. Students must pass practical examinations at the end of each academic year, complete a research project, and pass comprehensive examinations at the end of the program. A degree is awarded upon successful completion of all academic and practicum requirements for the College of Health Related Professions at the University of Arkansas for Medical Sciences. More specific information about program requirements can be obtained by contacting the Department of Audiology and Speech Pathology (501-569-3155).

Professional Course Work**

The first number listed for courses is for the UAMS College of Health Related Professions; the second is for the University of Arkansas at Little Rock.

ASP 5013 (7360)-Research Methods in Communication Disorders

Introduction to research methodologies in audiology and speech pathology. Includes prospectus development, library research, funding sources, data collection, analysis, and professional research writing and editing in communication disorders and/or speech sciences.

ASP 5023 (7380)-Basic Diagnostic Audiology

Principles and techniques for basic audiologic evaluation, including pure tone testing, speech audiometry, and the clinical application of masking, immittance, and otoacoustic emissions.

ASP 5033 (7370)-Educational Audiology

The delivery of audiology services to a school-based population. Includes the development, management, and utilization of hearing and middle ear system screening programs, classroom acoustics, selection and fitting of classroom-based amplification, and federal laws associated with children who have special needs.

ASP 5041 (7181)-Clinical Laboratory

Introduction to the equipment used in clinical evaluation of clients, as well as its maintenance and calibration.

ASP 5043 (7331)-Anatomy and Physiology of the Auditory and Vestibular Systems

Detailed information of the anatomy, physiology, electrophysiology, and neurophysiology of the auditory and vestibular systems.

ASP 5053 (7332)-Acoustics and Psychoacoustics

Basic information regarding the physics of sound, the measurement of sound and an introduction to the psychoacoustic basis of hearing and its clinical applications.

ASP 5063 (7333)-Auditory Processing

Theoretical overview, differential assessment, and treatment of adults and children with auditory processing disorders (APD). Prerequisites: ASP 5023/7380-Basic Diagnostic Audiology; ASP 5132/7222-Speech Perception

ASP 5083 (7382)-Electrophysiologic Assessment of the Auditory System

Principles and techniques in the use of evoked potentials to assess auditory function. Lecture and laboratory.

ASP 5103 (7383)-Medical Audiology

Introduction to the major pathologies of the auditory and vestibular systems, as well as medical/surgical treatment of those pathologies.

ASP 5112 (7221)-Instrumentation in Audiology & Speech Pathology

Introduction to basic principles of electronics and electrical safety and to proper use and care of equipment used in the evaluation and treatment of the auditory and vestibular systems.

ASP 5123 (7335)-Advanced Psychoacoustics

Advanced information regarding how listeners with normal hearing and those with hearing loss process sound. Prerequisites: ASP 5053/7332-Acoustics and Psychoacoustics

ASP 5132 (7222)-Speech Perception

Production and perception of speech sounds and the prosodic features of speech. Several theories of speech perception presented and discussed, and the effects of hearing loss on speech production and perception explored.

ASP 5142 (7223)-Electrophysiologic Assessment of the Auditory System II

Principles and techniques in the use of mid- and late-evoked potentials to assess auditory function. Lecture and laboratory. Prerequisite: ASP 5083/7382- Electrophysiologic Assessment of the Auditory System I

ASP 5263 (7350)-Evaluation & Treatment of the Balance System

Topics: anatomy and physiology of the vestibular, oculomotor, and proprioceptive systems; clinical tests of electronystagmography, dynamic posturography, and rotary chair. Prerequisite: ASP 5103/7383-Medical Audiology

ASP 5153 (7334)-Pediatric Audiology

Normal auditory development and theoretical, clinical, and practical issues involved in screening, assessment, and management of children with hearing loss. Prerequisite: ASP 5023/7380-Basic Diagnostic Audiology

ASP 5162 (7224)-Genetics of Hearing Loss

Basic information on the genetic basis of hearing loss and an overview of syndromic and non-syndromic hearing losses. Strategies for referral to genetic counselors and other health care professionals included. Prerequisite: ASP 5103/7383-Medical Audiology

ASP 5172 (7225)-Implant Device Technology

Overview of history of cochlear implants, corporation technology in cochlear-implant industry, and contemporary speech processing strategies for cochlear implants. Prerequisites: ASP 5223/7384-Amplification I; ASP 5253/7351-Amplification II

ASP 5173 (7365)-Counseling in Communication Disorders

Principles of counseling for working with persons with communication disorders and their families throughout the life span.

ASP 5182 (7226)-Outcomes Research and Evidence-Based Practice

Principles of outcomes research, and the levels of evidence supporting clinical practice. Students will understand the principles of critical evaluation of diagnostic procedures and critical evaluation of the evidence for treatment efficacy and effectiveness as well as the importance of practice guidelines that define best practices. Prerequisites: ASP 5013/7360-Research Methods in Communication Disorders; BIOM 5013-Biometry I (UAMS)

ASP 520V (7087)-Topics in Audiology

Graduate seminar with emphasis on topics related to clinical or rehabilitative audiology. May be repeated for additional credit not to exceed 6 hours total. Prerequisite: Consent of instructor.

ASP 5212 (7227)-Hearing Conservation

Noise measurement, OSHA requirements, occupational noise management, recreational audiology, and designing and implementing hearing conservation programs for adults and children. Prerequisite: ASP 5112/7221-Instrumentation in Audiology & Speech Pathology; 5023/7380-Basic Diagnostic Audiology

ASP 5222 (7228)-Professional Issues in Audiology & Speech Pathology

Personal and professional ethical values and their applications to dilemmas encountered in the clinical practices of audiology and speech pathology will be explored with students. Preferred practices and criteria for quality services will be topics for discussion.

ASP 5223 (7384)-Amplification

Effective use of hearing aids and auditory training equipment. Includes their component parts, electroacoustic analysis, hearing aid orientation/counseling, and approaches to hearing aid evaluation. Prerequisite: ASP 5023-Basic Diagnostic Audiology.

ASP 5232 (7229)-Audiology: Practice Management

Roles of audiologists in meeting the needs of the communicatively impaired. Students will understand preferred practices, criteria for quality services and quality improvement through the evaluation of service delivery models and exploration of the laws affecting service delivery in health care and educational settings.

ASP 5233 (7385)-Audiologic Rehabilitation: Children

Audiometric evaluation procedures and the habilitation/rehabilitation of infants and children with hearing loss. Emphasis is placed on the determination of appropriate remediation, language and speech therapy, auditory training and counseling parents for home programming.

ASP 5243 (7386)-Audiologic Rehabilitation: Adult

Principles of audiologic rehabilitation for adults, including diagnosis, counseling, use of amplification and other assistive devices, and communication strategies.

ASP 5253 (7351)-Amplification II

Advanced study of amplification systems, including strategies to assess benefit and satisfaction, binaural/bilateral considerations, alternatives to conventional hearing aids, and speech perception issues related to hearing loss. Prerequisite: ASP 5223/7384-Amplification

ASP 5293 (7395)-Multiculturalism and Communication Disorders

A framework for systematically analyzing cultural similarities and differences will be provided. This course will serve as a model to examine cultural differences, verbal and nonverbal, in the clinical setting.

ASP 530V (7000)-Independent Study

Prerequisites: graduate standing and consent of instructor. Directed readings in audiology and/or speech/language pathology, individual discussion with a faculty member (1-3 hours). May be repeated for up to 6 hours credit.

ASP 536V (7094)-Independent Research

Research or individual investigation for graduate students. Credits earned may be applied toward meeting degree requirements if the program approves and if a letter grade is given. Repeated registration is permitted.

ASP 540V (7091)-Practicum

Applied, supervised practicum experiences for graduate students that encompass the breadth of the current scope of practice with both adults and children from culturally diverse backgrounds.

*Students pursuing the Doctor of Audiology degree should consider the College of Health Related Professions Catalog the primary catalog. All provisions (including grievance procedures) in the catalog of the College of Health Related Professions are the authority applicable to students pursuing the Doctor of Audiology degree.

**Courses listed are for the post-bachelor's degree track. The post-master's degree track course requirements will vary, depending on the applicant's previous course work and clinical experience.

Accreditation, Licensure, and Certification

The doctoral (Au.D.) education program in audiology at the University of Arkansas for Medical Sciences/University of Arkansas at Little Rock is accredited by the Council on Academic Accreditation in Audiology and Speech-Language Pathology of the American Speech-Language-Hearing Association, 2200 Research Boulevard #310, Rockville, Maryland 20850, 800-498-2071 or 301-296-5700. Graduates of the Au.D. program will be eligible to apply to the Arkansas Board of Examiners in Speech Pathology and Audiology for a license to practice audiology in the state. Graduates will be eligible to apply for optional certification through the American Board of Audiology. Students also may obtain clinical hours that will make them eligible to apply for optional certification through the ASHA (Certificate of Clinical Competence in Audiology or CCC/A). Successful completion of the program does not itself ensure licensure and/or certification. It is the student's responsibility to be familiar with licensure and certification requirements.

Graduate Assistantships

In addition to the financial aid opportunities described in the Financial Aid Information section of the College of Health Related Professions Catalog, the department has program-specific graduate assistantships. Contact Dr. Nannette Nicholson at (501) 569-3155 for further information

regarding graduate assistantships which may be available to qualified, full-time, audiology graduate students. For other forms of financial aid students should contact the UAMS Financial Aid Office (501-686-5454).

Application Procedures and Deadlines

Application for the Au.D. program is made through the College of Health Related Professions, University of Arkansas for Medical Sciences, 4301 West Markham Street, #619, Little Rock, Arkansas, 72205-7199. Completed applications and all other application materials must be received by March 1 of each year for admission the following fall semester. Earlier submission of applications is strongly recommended. Students are admitted for the fall semester only.

Admission Requirements for International Applicants: All applicants who are not United States citizens or permanent resident aliens or for whom English is not their native language must meet additional admission requirements. Please consult the Admission/Academic Information section of the CHRHP Catalog found at <http://www.uams.edu/chrp/catalog/>.

Arkansas residency will be considered during selection for admission. Applicants are considered without regard to race, color, creed, age, marital status, national origin, or sex. Qualified handicapped persons, capable of meeting academic standards essential to participation in the program, receive equal consideration.

Fees

Shown below are fees for 2008-2009. Fees are subject to change without notice by action of the Board of Trustees. Contact your department chairman prior to registration to learn the exact fees. Note that all fees are due upon registration.

Tuition for all students		
Arkansas resident	\$286.00	per semester credit
Non-resident	\$618.00	per semester credit

Other fees (laboratory, liability insurance premiums, etc.)	
\$68.30	fall semester (liability & laboratory)
\$55.30	spring semester (laboratory)
\$55.30	summer semester (laboratory)
\$72.45	student health fee (fall & spring semesters for full time students)
\$42.00	technology fee (fall & spring semesters)
10% of tuition	- late registration fee

Additional fees may apply; contact the department chairman prior to registration for exact fees.

This brochure describes the program requirements for the 2009-2010 academic year. While it is expected that most of the requirements will apply to 2010-2011 as well, some changes are likely. You are strongly advised to contact the department/program office to receive the latest information.

Telephone (501) 569-3155
www.uams.edu/chrp/audiospeech

Department of Audiology and Speech Pathology
University of Arkansas at Little Rock
Speech, Language, and Hearing Clinic
2801 South University Avenue
Little Rock, Arkansas 72204

Doctorate (Au.D.) in Audiology

(501) 569-3155

www.uams.edu/chrp/audiospeech

UAMS

COLLEGE OF HEALTH RELATED PROFESSIONS

UNIVERSITY OF ARKANSAS
FOR MEDICAL SCIENCES

2009-2010

A Program Offered by the
College of Health Related Professions
University of Arkansas for Medical Sciences
and the
College of Professional Studies
University of Arkansas at Little Rock

U·A·L·R