

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; community speech, language, and hearing centers; college and university programs; rehabilitation 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 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, 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; a post-bachelor's degree track and a post-master's degree track.

Preprofessional Requirements

Students applying for admission to the Au.D. Program in the post-bachelor's degree track 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. A course in statistics is strongly encouraged but is not required. Although there are no prerequisite courses in audiology or speech pathology, the program does require that all students have one course in phonetics and one in language acquisition. 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 should expect to travel two to four hours away from central Arkansas for practicum experiences during their second and third years. Free housing is arranged, if available, in local dormitories/apartments operated by the Arkansas Area Health Education Centers (AHEC) <http://www.uams.edu/ahec>. 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 (in parenthesis) is for the University of Arkansas at Little Rock. More extensive course descriptions are available from the CHRP Catalog at <http://www.uams.edu/chrp/catalog/>.

AUD 5013 (7360)-Research Methods in Communication Disorders

Introduction to research methodologies in audiology and speech pathology.

AUD 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.

AUD 5033 (7330)-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.

AUD 5041 (7181)-Clinical Laboratory

Laboratory introduction in clinical procedures and methods for evaluation and treatment of clients and care, maintenance, and use of technology in audiology clinical practice.

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

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

AUD 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.

AUD 5063 (7333)-Auditory Processing

Theoretical overview, differential assessment, and treatment of adults and children with auditory processing disorders (APD). Prerequisites: ASP 5023 (7380).

AUD 5073 (7381)-Advanced Diagnostic Audiology

Principles of and techniques for advanced audiometric evaluation, including speech audiometry, reflex decay, audiometric special tests, and otoacoustic emissions.

AUD 5083 (7382)-Clinical Electrophysiologic

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

AUD 5103 (7383)-Medical Audiology

Introduction to the major pathologies of the auditory and vestibular systems, as well as medical/surgical treatment of those pathologies. Prerequisites: ASP 5023 (7380) and ASP 5043 (7331).

AUD 5113 (7321)-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.

AUD 5143 (7323)-Advanced Electrophysiology

Principles and techniques in the use of mid- and late-evoked potentials to assess auditory function. Prerequisite: ASP 5083 (7382).

AUD 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).

AUD 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).

AUD 5163 (7320)-Auditory Based Speech/Language Intervention

Auditory-based speech and language intervention with infants and toddlers who are deaf or hard of hearing.

AUD 5173 (7365)-Counseling in Communication Disorders

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

AUD 5183 (7326)-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.

AUD 5192 (7230)-Cultural Competence in Audiology

Knowledge and skills needed by audiologists to provide culturally competent services to diverse clients.

AUD 5193 (7336)—Anatomy and Physiology of the Auditory and Vestibular Systems II

Continuation of the first anatomy and physiology course with greater focus on skull anatomy and on peripheral and central nervous system embryology, neuroanatomy, and neurophysiology.

AUD 520V (7087)-Topics in Audiology

Graduate seminar with emphasis on topics related to clinical or rehabilitative audiology.

AUD 5212 (7227)-Hearing Conservation

Noise measurement, OSHA requirements, occupational noise management, recreational audiology, and designing and implementing hearing conservation programs for adults and children.

AUD 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.

AUD 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.

AUD 5232 (7229)-Audiology: Practice Management

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.

AUD 5233 (7385)-Pediatric Amplification and Intervention

Advanced strategies specific to pediatric hearing assessment, applicable technologies and management utilizing a family centered approach to intervention.

AUD 5243 (7386)-Audiologic Rehabilitation: Adult

Principles of audiologic rehabilitation for adults, including diagnosis, counseling, use of amplification and other assistive devices, and communication strategies. Prerequisite: ASP 5023 (7380).

AUD 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.

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

Basic information on the evaluation and treatment of balance disorders.

AUD 5272 (7325)-Implant Device Technology

Overview of history of cochlear implants, corporation technology in the cochlear-implant industry, and contemporary speech processing strategies for cochlear implants. Prerequisites: ASP 5223 (7384).

AUD 5283 (7371)—Gerontology in Audiology

Basic information on the aging process and a discussion of how the aging process affects people with hearing loss.

AUD 530V (7000)-Independent Study

Directed readings in audiology and/or speech/language pathology, individual discussion with a faculty member.

AUD 536V (7012)-Directed Research

Research or individual investigation for graduate students.

AUD 540V (7091)-Audiology 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.

AUD 546V (7091)—Clinical Externship

Full-time, applied, supervised practicum experience for graduate students in residence, encompassing the broad scope of diagnostic and rehabilitative audiology clinical practice (4-9 hours).

*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 Speech-Language-Hearing Association (ASHA) and/or the American Board of Audiology (ABA). 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 UAMS Student Financial Services section of the College of Health Related Professions Catalog, the department offers a limited number of program-specific graduate assistantships; these awards typically do not include tuition remission. Contact the department 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 Student Financial Services Office at (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 February 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 CHRP 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, gender, age, sexual orientation, religion, national origin or disability status as a criterion in deciding against any individual in matters of admission, placement, transfer, hiring, dismissal, compensation, fringe benefits, training, tuition assistance, and other personnel or educationally-related actions.

Fees

Shown below are fees for 2011-2012. 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	\$350.00	per semester credit
Non-resident	\$757.00	per semester credit

Other fees (laboratory, liability insurance premiums, etc.)

\$13.00	fall semester (student liability insurance)
\$50.00	per semester (laboratory)
\$79.90	per semester (student health fee)
\$46.30	fall & spring semesters (technology fee)
\$60.00	per semester (student clinic fee)*

*Most full-time students in Arkansas; additional information at (501) 686-5730.

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

This brochure describes the program requirements for the 2011-2012 academic year; however, additional information is available in the CHRP Catalog. You are strongly advised to consult the CHRP catalog or contact the department/program office to receive the latest information.

Telephone (501) 569-8909

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**

2011-2012

**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**

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