The Master of Science (M.S.) degree program in communication disorders with an emphasis on speech-language pathology at the University of Arkansas is accredited by the Council on Academic Accreditation in Communication Science and Disorders (CAA). The program is designed to prepare students for careers in speech-language pathology and audiology, and it is associated with the American Speech-Language-Hearing Association (ASHA). Applicants to the M.S. degree in communication disorders are expected to have completed prerequisite coursework in normal speech, language, and hearing functions, normal development, and speech-language and hearing disorders, as well as biological and physical sciences, behavioral and social sciences, and mathematics. Prospective applicants with undergraduate degrees in other disciplines should contact the Program Adviser for further information.

**Prerequisites to Degree Program:** Applicants to the M.S. degree in speech-language pathology are expected to have completed prerequisite coursework in normal speech, language, and hearing functions, normal development, and speech-language and hearing disorders, as well as biological and physical sciences, behavioral and social sciences, and mathematics. Prospective applicants with undergraduate degrees in other disciplines should contact the Program Adviser for further information. To be considered for admission to graduate study in communication disorders, applicants must have a minimum overall GPA of 3.0 in undergraduate coursework and must submit transcripts of all college-level coursework, a personal statement, and three letters of recommendation from persons competent to judge the applicant's potential for graduate study. All applicants must submit scores from the Graduate Record Examination for full consideration. Students should also be aware of Graduate School requirements with regard to master's degrees (http://catalog.uark.edu/graduatecatalog/degreerequirements/#mastersdegreestext).

**Graduate Faculty**

**Bowers, Lisa Marie,** Ph.D. (University of Tennessee Health Science Center), M.A., B.A. (Louisiana State University), Assistant Professor, Department of Rehabilitation, Human Resource and Communication Disorders, 2012.

**Bowers, Andrew L.**, Ph.D. (University of Tennessee Health Science Center), M.A., B.A. (University of Tennessee), Assistant Professor, Department of Rehabilitation, Human Resource and Communication Disorders, 2012.

**Cook, Aletha,** M.S., B.A. (University of Arkansas), Clinical Instructor, Department of Rehabilitation, Human Resource and Communication Disorders, 2015.

**Frazier, Kimberly Frances,** Ph.D. (University of South Carolina–Columbia), M.S., B.S.E. (University of Arkansas), Associate Professor, Department of Rehabilitation, Human Resource and Communication Disorders, 2007.

**Gilbertson, Margie,** Ph.D. (University of Memphis), M.S.E., B.A. (University of Central Arkansas), Clinical Instructor, Department of Rehabilitation, Human Resource and Communication Disorders, 2016.

**Glade, Rachel E.**, Ph.D. (University of Arkansas), M.S. (University of Arkansas for Medical Sciences), M.A. (University of Arkansas), B.S. (University of Arkansas at Little Rock), Clinical Instructor, Department of Rehabilitation, Human Resource and Communication Disorders, 2015.

**Hagstrom, Fran W.**, Ph.D. (Clark University), M.S. (University of Texas Health Science Center–Houston), M.A. (St. Louis University), B.A. (Southwest Baptist University), Associate Professor, Department of Rehabilitation, Human Resource and Communication Disorders, 2002.

**Perry, Kim,** M.S. (University of Arkansas), Instructor, Department of Rehabilitation, Human Resource and Communication Disorders, 2007.

**Courses**

**CDIS 5103. Research Methodology in Communication Disorders. 3 Hours.**
An examination of methods of research in speech-language pathology and audiology and of the use of bibliographic tools. Focuses on purposes and problems of various forms of communication disorders research, procedures and instruments employed, and reporting of research. Prerequisite: Graduate standing.

**CDIS 5113. Seminar in Early Intervention. 3 Hours.**
Study of a family-centered, transdisciplinary approach to early intervention with infants and toddlers at-risk for communication disorders. Topics include early communication development, service delivery in a family context, coordination with other disciplines, legislation mandating services, and providing services to children with multiple disabilities. Prerequisite: CDIS 3223 or equivalent, and graduate standing.

**CDIS 5121L. Feeding and Swallowing Disorders Lab. 1 Hour.**
Observation and interpretation of techniques used for assessment and remediation of feeding and swallowing disorders in children and adults. Corequisite: CDIS 5122. Prerequisite: CDIS 3213 and graduate standing.

**CDIS 5122. Feeding and Swallowing Disorders. 2 Hours.**
Study of the etiology, assessment, and remediation of feeding and swallowing disorders in children and adults. Prerequisite: CDIS 3213 or equivalent, and graduate standing.

**CDIS 5133. Discourse Analysis and Treatment. 3 Hours.**
Study of discourse behaviors and discourse analysis procedures appropriate for communicatively disordered children and adults, along with review of management approaches associated with impaired discourse performance. Prerequisite: Previous course work in language process and disorders, and graduate standing.
CDIS 5143. Cognitive-Communication Development and Disorders. 3 Hours. Study of normal cognitive development, the role of communication in this development, and shifts that may occur in conjunction with various speech, language and/or hearing disorders. Prerequisite: CDIS 3223.

CDIS 5153. TBI and Right-Hemisphere Disorders. 3 Hours. Study of the speech and language disorders commonly resulting from traumatic brain injury and right hemisphere disorders. Prerequisite: CDIS 4253 or equivalent, and graduate standing.

CDIS 5163. Seminar in Language Topics. 3 Hours. Study of selected topics in normal and disordered language acquisition and/or language use. Implications of current research are reviewed and applied to evaluation and management of language impairment(s). Prerequisite: Graduate standing.

CDIS 5173. Sign Language and Deafness. 3 Hours. (Formerly CDIS 4103.) An introduction to American Sign Language (ASL) and the Deaf Community that uses it. This class will study expressive and sign language skills using ASL vocabulary, structure and grammar. The Deaf Community will be studied through videotapes and readings. Issues in Deaf Education will also be introduced. Graduate degree credit will not be given for both CDIS 4103 and CDIS 5173.

CDIS 5181. Advanced Clinical Practicum I. 1 Hour. Practicum activities in speech-language assessment and intervention. Prerequisite: Graduate standing.

CDIS 5193. Seminar in Problems of Oral Communication. 3 Hours. Investigation of research in selected problems of oral communication; recent developments in speech-language pathology and audiology; individual problems for investigation. Prerequisite: Graduate standing.

CDIS 5203. Introduction to Aural Rehabilitation. 3 Hours. (Formerly CDIS 4133.) Study of the technique used in the rehabilitation of speech and language problems of the hearing impaired including the role of amplification, auditory training, and speech reading in rehabilitation. Graduate degree credit will not be given for both CDIS 4133 and CDIS 5203. Prerequisite: CDIS 3103.

CDIS 5213. Voice and Resonance Disorders. 3 Hours. Study of disorders of phonation and resonance, including etiologies, diagnosis, and intervention strategies. Prerequisite: Graduate standing.

CDIS 5223. Fluency Disorders. 3 Hours. An examination of fluency disorders including theory, etiological factors, and development. In addition, the course is designed to address assessment and management of fluency disorders consistent with evidence-based practice for prospective speech-language pathologists. Prerequisite: Graduate standing.

CDIS 5233. Speech Sound Disorders. 3 Hours. Assessment and treatment of disorders in speech articulation. Prerequisite: Graduate standing.

CDIS 5243. Language Disorders in Adults. 3 Hours. Cognitive and communicative breakdown due to neurological trauma, including etiology, characteristics, assessment and treatment for aphasia, traumatic brain injury, and right hemisphere disorders. Prerequisite: Graduate standing.

CDIS 5253. Motor Speech Disorders. 3 Hours. Study of motor speech production disorders related to damage to central or peripheral nervous system motor centers and pathways. Cerebral palsy, adult dysarthria, apraxia, and dysphagia are emphasized. Both theoretical and treatment considerations are addressed. Prerequisite: CDIS 4253 or equivalent, and graduate standing.

CDIS 5263. Advanced Audiology. 3 Hours. (Formerly CDIS 4263.) Study of the basic techniques used in audiological assessment of children and adults, including pure tone audiometry, speech audiometry, and special tests of hearing function. Graduate degree credit will not be given for both CDIS 4263 and CDIS 5263. Prerequisite: CDIS 3103.

CDIS 5273. Language, Learning and Literacy. 3 Hours. An examination of language-based literacy skills, including consideration of development, disorders, assessment and intervention.

CDIS 5281. Advanced Clinical Practicum II. 1 Hour. Practicum activities in speech-language assessment and intervention. Prerequisite: Graduate standing and CDIS 5181.

CDIS 5293. Augmentative and Alternative Communication. 3 Hours. Approaches to communication management with the severely and profoundly handicapped child or adult, with primary emphasis on augmentative and alternative communication assessment and intervention. Prerequisite: Graduate standing.

CDIS 5303. Clinical Assessment of Speech and Language Disorders. 3 Hours. (Formerly CDIS 4183.) Study of the basic diagnostic procedures used in speech-language pathology. Emphasis is placed on the clinical processes of assessment, including criteria for test selection, techniques in test administration, and interpretation of test. Graduate degree credit will not be given for both CDIS 4183 and CDIS 5303. Pre- or Corequisite: Prior coursework in CDIS and ANTH 1023.

CDIS 5313. Introduction to Speech and Hearing Science. 3 Hours. (Formerly CDIS 4213.) Study of the acoustic structure of oral speech and the auditory skills underlying speech perception. Graduate degree credit will not be given for both CDIS 4213 and CDIS 5313. Prerequisite: CDIS 3203, CDIS 3213, CDIS 3124 and its lab component. Pre- or Corequisite: MATH 1203 or higher.

CDIS 5323. Language Disorders in Children. 3 Hours. (Formerly CDIS 4223.) Study of disorders of language acquisition and usage in children and adolescents, with emphasis upon the nature, assessment, and treatment of such disorders. Graduate degree credit will not be given for both CDIS 4223 and CDIS 5323. Prerequisite: CDIS 3203.

CDIS 5353. Neurological Bases of Communication. 3 Hours. (Formerly CDIS 4253.) A study of the structures and functions of the central and peripheral nervous systems as they relate to human speech, language, and cognition. Graduate degree credit will not be given for both CDIS 4253 and CDIS 5353. Prerequisite: CDIS 3213.

CDIS 5373. Communication Behavior and Aging. 3 Hours. (Formerly CDIS 4273.) Study of the effects upon communication of normal aspects of the aging process, from early adulthood throughout the lifespan. Changes in speech, language, and hearing functioning are identified; common alterations in communicative disorders commonly associated with advanced age are discussed. Graduate degree credit will not be given for both CDIS 4273 and CDIS 5373.

CDIS 5381. Advanced Clinical Practicum III. 1 Hour. Practicum activities in speech-language assessment and intervention. Prerequisite: Graduate standing and CDIS 5281.

CDIS 5391. Clinical Practicum: Hearing Disorders. 1 Hour. Practicum in audiology.

CDIS 548V. Off-Campus Practicum: Public School Site. 1-6 Hours. Practicum activities in speech-language disorders in a public school setting. Prerequisite: Graduate standing.

CDIS 5511. Professional Issues I. 1 Hour. Discussion of pertinent topics and issues in the discipline of communication sciences and disorders. Prerequisite: Graduate standing in communication disorders.

CDIS 5521. Professional Issues II. 1 Hour. Discussion of pertinent topics and issues in the discipline of communication sciences and disorders. Prerequisite: Graduate standing in communication disorders.
CDIS 5531. Professional Issues III. 1 Hour.
Discussion of pertinent topics and issues in the discipline of communication sciences and disorders. Prerequisite: Graduate standing in communication disorders.

CDIS 558V. Internship: Clinical Site. 3-6 Hour.
Field placement in approved clinical setting for clock hours in speech-language pathology assessment and treatment. Students in the master's program must enroll in a minimum of 3 credit hours of CDIS 558V or CDIS 578V during their last semester of graduate studies. Prerequisite: Graduate standing; Completion of one semester of either CDIS 548V or CDIS 568V. May be repeated for up to 6 hours of degree credit.

CDIS 558V. Off-Campus Practicum: Clinical Site. 1-6 Hour.
Practicum activities in speech-language disorders in an off-campus clinical site. Prerequisite: Graduate standing and completion of at least 2 semesters of CDIS 5281.

CDIS 578V. Internship: Public School Site. 3-6 Hour.
Field placement in approved public school setting for clock hours in speech-language pathology assessment and treatment. Students in the Master's program must enroll in a minimum of 3 credit hours of CDIS 578V or CDIS 558V during their last semester of graduate studies. Prerequisite: Graduate standing; Completion of one semester of either CDIS 548V or CDIS 568V. May be repeated for up to 6 hours of degree credit.

CDIS 5813. Advanced Auditory (Re)Habilitation. 3 Hours.
This course provides students with an in-depth knowledge of hearing anatomy and physiology as well as current hearing and hearing assistive technologies. The development of auditory skills across the lifespan will be discussed as well as intervention techniques to facilitate auditory, speech, and spoken language skills across the lifespan. Prerequisite: Graduate standing.

CDIS 5823. Language Learning with Multiple Disabilities. 3 Hours.
Approaches to services (assessment and intervention) for individuals who, as a result of multiple disabilities, are in the beginning stages of language development including the preintentional and presymbolic stages. Prerequisite: Graduate standing.

CDIS 5843. Communication and Swallowing in Dementia. 3 Hours.
This course provides an in-depth examination of the communication and feeding/swallowing factors demonstrated by patients with dementia. Etiologies, symptoms, progression, evaluation, and appropriate interventions for the most common forms of dementia are addressed. Prerequisite: Graduate standing.

CDIS 5883. Policies & Procedures in Educational Speech-Language Pathology. 3 Hours.
Educational Speech Pathology is designed to familiarize the student the factors related to functioning as an SLP in an educational setting, including state and federal regulations/standards, service delivery considerations, eligibility criteria, and documentation. Prerequisite: Graduate Standing.

CDIS 590V. Special Problems. 1-6 Hour.
Special problems. Prerequisite: Graduate standing. May be repeated for up to 6 hours of degree credit.

CDIS 599V. Seminar in Professional Issues. 1-3 Hour.
Selected topics in professional issues in speech-language pathology and audiology.

CDIS 600V. Master’s Thesis. 1-6 Hour.
Master’s Thesis. Prerequisite: Graduate standing. May be repeated for degree credit.

CDIS 699V. Seminar in Communication Sciences and Disorders. 1-6 Hour.
Discussion of pertinent topics and issues in the discipline of communication sciences and disorders. Prerequisite: Advanced graduate standing. May be repeated for up to 18 hours of degree credit.