

Communication Sciences and Disorders (CDIS)

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An undergraduate major in communication sciences and disorders leads to the B.S. degree and prepares students for graduate studies (master's level) in speech-language pathology and/or the professional doctorate in audiology. The minimum requirements for all students in the college are listed under general studies (<http://catalog.uark.edu/undergraduatecatalog/collegesandschools/collegeofeducationandhealthprofessions/>).

Admission to the B.S. Major Degree Program in Communication Sciences and Disorders is competitive and consists of a three-stage process. Students must apply for formal admission and be accepted to the undergraduate B.S. degree program in Communication Sciences and Disorders prior to taking junior- and senior-level classes in the major.

Stage I: Pre-Communication Sciences and Disorders (PCDIS)

All students declaring a major in communication sciences and disorders are accepted as tentative candidates to the undergraduate program and assigned the pre-communication code - PCDIS.

The PCDIS program includes:

1. Complete all program pre-requisites courses.
2. Obtain a minimum cumulative grade-point average of 3.0 on all college level coursework.
3. Complete the following courses with a "C" or better: ENGL 10103 and ENGL 10203, MATH 11003 or equivalent, and SPCH 10003.
4. Obtain passing scores on the *Core Academic Skills for Educator: Math, Reading, and Writing* sections of the Praxis Core Exam.

Students who do not meet admission criteria for the B.S. degree program in communication sciences and disorders in any given year may reapply in subsequent years.

Stage II: Admission to the Communication Sciences and Disorders Program (CDIS)

Admission to the Communication Sciences and Disorders Program is competitive and occurs after completion of all Pre-Communication Sciences and Disorders requirements and prior to the beginning of the fall semester of the junior year.

Applications to the Communication Sciences and Disorders (CDIS) program must be submitted by January 30th.

The application process includes:

1. Submission of Communication Sciences and Disorders Application Form, Letter of Intent, and Curriculum Guide Form.
2. Submission of transcripts for all coursework
3. Submission of passing score on Math, Reading, and Writing sections of Praxis Core Exam
4. Satisfactory completion of an admission interview with designated faculty

As a result of the competitive process, not all applicants meeting the minimum requirements will be admitted to the program.

Stage III: Requirements for Program Continuation and Completion

1. Maintain a minimum cumulative GPA of 3.0.
2. In order to enroll in CSDI 40003 Clinical Practicum: Undergraduate, students must have an overall GPA of 3.0 in the following courses: CSDI 22503, CSDI 31203, CSDI 32103, CSDI 32203, CSDI 32003, CSDI 42203 and a "B" in CSDI 32303. Clinical Practice is an elective for undergraduates and is taken for course credit hours, not a grade.
3. Meet all university requirements for graduation.

Requirements for Communication Sciences and Disorders (CDIS)

State Minimum Core

35

Of which Communication Sciences and Disorders requires the following specific courses:

BIOL 10103 & BIOL 10101	Principles of Biology (ACTS Equivalency = BIOL 1014 Lecture) and Principles of Biology Laboratory (ACTS Equivalency = BIOL 1014 Lab) (or higher level)
PSYC 20003	General Psychology (ACTS Equivalency = PSYC 1103)
ANTH 10203	Introduction to Cultural Anthropology (ACTS Equivalency = ANTH 2013)

Select one of the following:

PHYS 10243 & PHYS 10241	Physics and Human Affairs and Physics and Human Affairs Laboratory (or higher level)
PHYS 20103 & PHYS 20101	College Physics I (ACTS Equivalency = PHYS 2014 Lecture) and College Physics I Laboratory (ACTS Equivalency = PHYS 2014 Lab) (or higher level)
CHEM 12103 & CHEM 12101	Fundamentals of Chemistry (ACTS Equivalency = CHEM 1214 Lecture) and Fundamentals of Chemistry Laboratory (ACTS Equivalency = CHEM 1214 Lab) (or higher level)

Program specific course requirements for Communication Sciences and Disorders - 9 hours total

Select one of the following:

ENGL 20003	Advanced Composition
ENGL 20133	Essay Writing

3

ENGL 30503	Technical and Professional Writing (ACTS Equivalency = ENGL 2023)	
CSDI 498HV	Honors Communication Disorders Thesis/Project ¹	
SPCH 10003	Public Speaking (ACTS Equivalency = SPCH 1003)	3
MATH 21003	Principles of Statistics (ACTS Equivalency = MATH 2103)	3
Communication Sciences and Disorders Major Requirements (42 hours)		
CSDI 22503	Introduction to Communicative Disorders	3
CSDI 31003	Introduction to Audiology	3
CSDI 32103	Anatomy and Physiology of the Speech Mechanism	3
CSDI 31203	Normal Phonology and Articulatory Process (Normal Phonology and Articulatory Processes)	3
CSDI 32003	Articulation Disorders	3
CSDI 32203	Language Development in Children	3
CSDI 32303	Introduction to Clinical Practice	3
CSDI 32503	Culturally Responsive Practice in Communication Sciences and Disorders	3
CSDI 41303	Introduction to Aural Rehabilitation	3
CSDI 42503	Neurological Bases of Communication	3
CSDI 42703	Communication Behavior and Aging	3
CSDI 42103	Introduction to Speech and Hearing Science	3
CSDI 41803	Clinical Assessment of Speech and Language Disorders	3
CSDI 42203	Language Disorders in Children	3
Electives		34
Total Hours		120

¹ Option only for students successfully completing Honors Program

Communication Sciences and Disorders B.S. Eight-Semester Plan

All CDIS students are accepted as tentative candidates and thus not eligible for the eight-semester degree plan. Students must apply for formal admission to the undergraduate B.S. degree program in CDIS prior to taking junior- and senior-level classes in the major. However, students who qualify to finish a degree in four years can follow the suggested order of classes below.

	Units	
	Fall	Spring
ENGL 10103 Composition I (ACTS Equivalency = ENGL 1013) (Satisfies General Education Outcome 1.1)	3	
MATH 11003 College Algebra (ACTS Equivalency = MATH 1103) (Satisfies General Education Outcome 2.1)	3	
Satisfies General Education Outcome 3.4: BIOL 10103 Principles of Biology (ACTS Equivalency = BIOL 1014 Lecture) & BIOL 10101 Principles of Biology Laboratory (ACTS Equivalency = BIOL 1014 Lab) ⁴	4	
U.S. History or Government State Minimum Core	3	
Elective	3	

ENGL 10203 Composition II (ACTS Equivalency = ENGL 1023) (Satisfies General Education Outcome 1.1)		3
Fine Arts or Humanities State Minimum Core (Satisfies General Education Outcome 3.1 or 3.2) ¹		3
SPCH 10003 Public Speaking (ACTS Equivalency = SPCH 1003) (Satisfies General Education Outcome 1.2 and 5.1)		3
Electives		6
Year Total:	16	15

	Units	
	Fall	Spring
ANTH 10203 Introduction to Cultural Anthropology (ACTS Equivalency = ANTH 2013) (Satisfies General Education Outcome 3.3) ²	3	
CSDI 22503 Introduction to Communicative Disorders	3	
PSYC 20003 General Psychology (ACTS Equivalency = PSYC 1103) (Satisfies General Education Outcome 3.3) ²	3	
Choose one science/lab from the following (Satisfies General Education Outcome 3.4): PHYS 10243 Physics and Human Affairs & PHYS 10241 Physics and Human Affairs Laboratory ⁴ CHEM 12103 Fundamentals of Chemistry (ACTS Equivalency = CHEM 1214 Lecture) & CHEM 12101 Fundamentals of Chemistry Laboratory (ACTS Equivalency = CHEM 1214 Lab) ⁴ PHYS 20103 College Physics I (ACTS Equivalency = PHYS 2014 Lecture) & PHYS 20101 College Physics I Laboratory (ACTS Equivalency = PHYS 2014 Lab) ⁴	4	
Elective	3	
MATH 21003 Principles of Statistics (ACTS Equivalency = MATH 2103) (Satisfies General Education Outcome 2.1)		3
Social Sciences State Minimum Core (Satisfies General Education Outcome 3.3) ¹		3
Fine Arts/Humanities State Minimum Core (Satisfies General Education Outcome 3.1 or 3.2) ¹		3
Electives		6
Year Total:	16	15

	Units	
	Fall	Spring
CSDI 31203 Normal Phonology and Articulatory Process	3	
CSDI 32103 Anatomy and Physiology of the Speech Mechanism	3	
CSDI 32203 Language Development in Children	3	
CSDI 42703 Communication Behavior and Aging	3	
Elective	3	
CSDI 32003 Articulation Disorders		3

CSDI 32303 Introduction to Clinical Practice	3	
CSDI 42203 Language Disorders in Children	3	
ENGL 20003 Advanced Composition or ENGL 20133 Essay Writing or ENGL 30503 Technical and Professional Writing (ACTS Equivalency = ENGL 2023) or CSDI 498HV Honors Communication Disorders Thesis/Project	3	
Elective	3	
Year Total:	15	15

Fourth Year	Units	
	Fall	Spring
CSDI 31003 Introduction to Audiology	3	
CSDI 42503 Neurological Bases of Communication	3	
CSDI 42103 Introduction to Speech and Hearing Science	3	
Electives (Recommend: CSDI 40003 Clinical Practicum: Undergraduate)	4	
CSDI 32503 Culturally Responsive Practice in Communication Sciences and Disorders (Satisfies General Education Outcome 4.1, 4.2, and 6.1)		3
CSDI 41303 Introduction to Aural Rehabilitation		3
CSDI 41803 Clinical Assessment of Speech and Language Disorders		3
Electives		6
Year Total:	13	15
Total Units in Sequence:		120

¹ Students must complete the State Minimum Core requirements (<https://nam03.safelinks.protection.outlook.com/?url=https%3A%2F%2Fnextcatalog.uark.edu%2Fundergraduatecatalog%2Fgenerated%2Fstateminimum%2F&data=02%7C01%7Cagriffin%40uark.edu%7Ce4e632415f9b49eda9bf08d7f5c20b91%7C79c742c4e61c4fa5be89a3cb566a80d1%7C0%7C0%7C637248086069611524&sdata=4bJ2Oob83N8kFTkGD%2F1XG8924jwOx8pTlw8IWNAGp0s%3D&reserved=0>) as outlined in the Catalog of Studies. The courses that meet the state minimum core also fulfill many of the university's General Education requirements (<https://nam03.safelinks.protection.outlook.com/?url=https%3A%2F%2Fnextcatalog.uark.edu%2Fundergraduatecatalog%2Fgenerated%2Fgeneraleducation%2F&data=02%7C01%7Cagriffin%40uark.edu%7Ce4e632415f9b49eda9bf08d7f5c20b91%7C79c742c4e61c4fa5be89a3cb566a80d1%7C0%7C0%7C637248086069611524&sdata=4bJ2Oob83N8kFTkGD%2F1XG8924jwOx8pTlw8IWNAGp0s%3D&reserved=0>), although there are additional considerations to satisfy the general education learning outcomes. Students are encouraged to consult with their academic adviser when making course selections.

² Required Social Science Core for CDIS majors.

³ CSDI 498HV: Option only for students successfully completing Honors Program.

⁴ or higher level

Bowers, Andrew L., Ph.D. (University of Tennessee Health Science Center), M.A., B.A. (University of Tennessee), Associate Professor, Department of Communication Disorders and Occupational Therapy, 2012, 2019.

Bowers, Lisa Marie, Ph.D. (University of Tennessee Health Science Center), M.A., B.A. (Louisiana State University), Associate Professor,

Department of Communication Disorders and Occupational Therapy, 2012, 2019.

Frazier, Kimberly Frances, Ph.D. (University of South Carolina–Columbia), M.S., B.S.E. (University of Arkansas), Associate Professor, Department of Communication Disorders and Occupational Therapy, 2007, 2013.

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), Assistant Professor, Department of Communication Disorders and Occupational Therapy, 2015, 2017.

Haghighi, Mohammad, Ph.D. (Ohio University), Assistant Professor, Department of Communication Disorders and Occupational Therapy, 2019.

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 Communication Disorders and Occupational Therapy, 2002, 2008.

Holyfield, Christine E., Ph.D. (Pennsylvania State University), M.A. (University of Kansas), B.S. (Central Michigan University), Associate Professor, Department of Communication Disorders and Occupational Therapy, 2017, 2022.

Courses

CSDI 22503. Introduction to Communicative Disorders. 3 Hours.
An introductory course which surveys the professional interests of speech-language pathology and audiology with specific attention to the general recognition and classification of disorders of speech, language, and hearing, and general trends in rehabilitation. Consideration given to the classroom teacher's involvement in communication disorders. (Typically offered: Fall and Spring)

CSDI 290H3. Honors Introduction to Research in Communication Sciences and Disorders. 3 Hours.
This course introduces students to the research process in the field of communication sciences and disorders. Prerequisite: Acceptance into the COEHP Honors Program and instructor consent. (Typically offered: Spring)

CSDI 31003. Introduction to Audiology. 3 Hours.
Introduction to the basic concepts for administering and interpreting hearing tests, including the anatomy and physiology of the auditory system, disorders of the ear, and techniques for administering and interpreting basic pure tone threshold tests. Corequisite: PHYS 10243 and PHYS 10241, PHYS 20103 and PHYS 20101 or CHEM 12103 and CHEM 12101. Pre- or Corequisite: CSDI 32103. Prerequisite: CDISBS major or departmental consent. (Typically offered: Fall and Spring)

CSDI 310H3. Honors Introduction to Audiology. 3 Hours.
Introduction to the basic concepts for administering and interpreting hearing tests, including the anatomy and physiology of the auditory system, disorders of the ear, and techniques for administering and interpreting basic pure tone threshold tests. Corequisite: PHYS 10243 and PHYS 10241, PHYS 20103 and PHYS 20101 or CHEM 12103 and CHEM 12101. Pre- or Corequisite: CSDI 32103. Prerequisite: CDISBS major and honors standing, or departmental consent. (Typically offered: Fall and Spring)

CSDI 31203. Normal Phonology and Articulatory Process. 3 Hours.
Analysis of the English speech sounds as a basis for speech improvement; physiological positions and movements; acoustic qualities and transcription in the international phonetic alphabet. Prerequisite: CDISBS major or departmental consent. (Typically offered: Fall)

CSDI 32003. Articulation Disorders. 3 Hours.
A study of the definition, etiology, pathology, and treatment procedures of problems of articulation. Prerequisite: CSDI 31203, CSDI 32103 and CDISBS major or departmental consent. (Typically offered: Spring)

CSDI 32103. Anatomy and Physiology of the Speech Mechanism. 3 Hours.

Structure and function of the organic mechanisms responsible for speech and language. Pre or Corequisite: BIOL 10103 and BIOL 10101 or higher. Prerequisite: CDISBS major or departmental consent. (Typically offered: Fall and Spring)

CSDI 32203. Language Development in Children. 3 Hours.

Study of typical development of speech and language functions for communicative purposes in children from infancy to early school-age years, including the major components of language as well as the social, cognitive, biological and cultural factors related to language acquisition. Pre- or Corequisite: PSYC 20003. Prerequisite: CDISBS major or departmental consent. (Typically offered: Fall)

CSDI 322H3. Honors Language Development in Children. 3 Hours.

Study of typical development of speech and language functions for communicative purposes in children from infancy to early school-age years, including the major components of language as well as the social, cognitive, biological, and cultural factors related to language acquisition. Pre- or Corequisite: PSYC 20003. Prerequisite: Honors candidacy and CDISBS major or departmental consent. (Typically offered: Fall)

CSDI 32303. Introduction to Clinical Practice. 3 Hours.

An introduction to the various aspects of clinical operations including technical and interpersonal relationship skills necessary for case management and a survey of professional standards. Pre- or Corequisite: SPCH 10003, CSDI 32203, and CSDI 32103. Prerequisite: CDISBS major or departmental consent. (Typically offered: Fall and Spring)

CSDI 323H3. Honors Introduction to Clinical Practice. 3 Hours.

An introduction to the various aspects of clinical operations including technical and interpersonal relationship skills necessary for case management and a survey of professional standards. Pre- or Corequisite: SPCH 10003, CSDI 32203, and CSDI 32103. Prerequisite: Honors standing and CDISBS major or departmental consent. (Typically offered: Fall and Spring)

CSDI 32503. Culturally Responsive Practice in Communication Sciences and Disorders. 3 Hours.

An introduction to various cultures, customs, and professional standards in health-related fields that helps to develop intercultural communication skills necessary to manage the increasingly diverse caseloads of health-related professionals. Pre- or Corequisite: SPCH 10003. Prerequisite: CDISBS major or departmental consent. (Typically offered: Spring)

CSDI 390H1. Honors Communication Disorders Thesis Tutorial. 1 Hour.

Designed to provide the foundation for the Honors Thesis/Project. Students and faculty tutors work "one-on-one" exploring a specific topic which has been agreed upon by the student and the professor. Prerequisite: Honors candidacy and CDISBS major. (Typically offered: Fall, Spring and Summer)

CSDI 392H3. Honors Colloquium. 3 Hours.

Treats a special topic or issue, offered as part of the honors program. Prerequisite: Honors candidacy (not restricted to candidacy in speech or dramatic art). (Typically offered: Irregular) May be repeated for degree credit.

CSDI 399HV. Honors Course. 1-6 Hour.

Honors course. Prerequisite: Junior standing. (Typically offered: Irregular) May be repeated for up to 12 hours of degree credit.

CSDI 40003. Clinical Practicum Undergrad. 3 Hours.

Entry-level training in speech-language clinical practicum activities. This course is taken for satisfactory or unsatisfactory credit. Students are paired with a patient(s) at the UA Speech and Hearing Clinic to provide speech-language therapy while being supervised by a licensed and certified speech-language pathologist. The schedule for this course varies based on patient availability. Students are required to be on campus to provide clinical services (including session preparation) and to complete follow-up meetings with the instructor to discuss clinical practice and paperwork. Prerequisite: Admitted to the Communication Sciences and Disorders (CDISBS) major, CSDI 32103, CSDI 32203 and CSDI 32303, plus satisfactory completion of specific program requirements for admission to clinical practice. (Typically offered: Fall, Spring and Summer)

CSDI 400H3. Honors Clinical Practicum Undergrad. 3 Hours.

Entry-level training in speech-language clinical practicum activities. This course is taken for satisfactory or unsatisfactory credit. Prerequisite: Honors standing, admitted to the Communication Sciences and Disorders (CDISBS) major, CSDI 32103, CSDI 32203 and CSDI 32303, plus satisfactory completion of specific program requirements for admission to clinical practice. (Typically offered: Fall and Spring)

CSDI 41303. Introduction to Aural Rehabilitation. 3 Hours.

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. Prerequisite: CSDI 31003. (Typically offered: Spring)

CSDI 41803. Clinical Assessment of Speech and Language Disorders. 3 Hours.

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. Pre- or Corequisite: Prior coursework in CDIS and ANTH 10203. Prerequisite: CDISBS major or departmental consent. (Typically offered: Spring)

CSDI 42103. Introduction to Speech and Hearing Science. 3 Hours.

Study of the acoustic structure of oral speech and the auditory skills underlying speech perception. Prerequisite: CSDI 32003, CSDI 32103, CSDI 31203 and its lab component and CDISBS major or departmental consent. Pre- or Corequisite: MATH 11003 or higher. (Typically offered: Fall and Spring)

CSDI 42203. Language Disorders in Children. 3 Hours.

Study of disorders of language acquisition and usage in children and adolescents, with emphasis upon the nature, assessment, and treatment of such disorders. Prerequisite: CSDI 32203 and CDISBS major or departmental consent. (Typically offered: Spring)

CSDI 422H3. Honors Language Disorders in Children. 3 Hours.

Study of disorders of language acquisition and usage in children and adolescents, with emphasis upon the nature, assessment, and treatment of such disorders. Prerequisite: CSDI 32203 and CDISBS major and honors standing or departmental consent. (Typically offered: Spring)

CSDI 42503. Neurological Bases of Communication. 3 Hours.

A study of the structures and functions of the central and peripheral nervous systems as they relate to human speech, language, and cognition. Prerequisite: CSDI 32103 and CDISBS major or departmental consent. (Typically offered: Fall)

CSDI 425H3. Honors Neurological Bases of Communication. 3 Hours.

A study of the structures and functions of the central and peripheral nervous systems as they relate to human speech, language, and cognition. Prerequisite: CSDI 32103, honors standing, and CDISBS major or departmental consent. (Typically offered: Fall)

CSDI 42703. Communication Behavior and Aging. 3 Hours.

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. Prerequisite: CDISBS major or departmental consent. (Typically offered: Fall)

CSDI 427H3. Honors Communication Behavior and Aging. 3 Hours.

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. Prerequisite: CDISBS major and honors standing, or departmental consent. (Typically offered: Fall)

CSDI 4900V. Special Problems. 1-3 Hour.

Special problems. Prerequisite: Advanced standing. (Typically offered: Fall, Spring and Summer) May be repeated for up to 3 hours of degree credit.

CSDI 498HV. Honors Communication Disorders Thesis/Project. 1-3 Hour.

Designed to provide facilitation of the Honors Thesis/Project. Students and faculty work "one-on-one" to complete the honors thesis/project. Prerequisite: Honors candidacy, CDISBS major, and CSDI 390H1. (Typically offered: Fall, Spring and Summer) May be repeated for up to 3 hours of degree credit.