The Department of Communication Sciences and Disorders offers the following undergraduate and graduate programs. Specific requirements for these programs are listed within this Department of Communication Sciences and Disorders section in the following order:

**Undergraduate Major (B.A.)**
- Communication Disorders (p. 1)

**Graduate Major (M.A.)**
- Speech-Language Pathology (p. 2)

## Bachelor of Arts Degree Program
### Communication Disorders Major
The Communication Disorders major requires a minimum of 120 total hours to graduate. This total includes Liberal Arts Core requirements and the following specified major requirements, plus electives to complete the minimum of 120 hours.

<table>
<thead>
<tr>
<th>Required Communication Disorders</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSD 1000 (51C:006) Understanding Communication Disorders 3</td>
</tr>
<tr>
<td>CSD 3100 (51C:106) Language Acquisition in Children: Birth to 5 Years 3</td>
</tr>
<tr>
<td>CSD 3120 (51C:111) Phonetics in Communicative Disorders 3</td>
</tr>
<tr>
<td>CSD 3135 (51C:114) Anatomy and Physiology of Speaking Mechanism 3</td>
</tr>
<tr>
<td>CSD 3130/5130 (51C:164g) Neuroscience and the Study of Communication Disorders 3</td>
</tr>
<tr>
<td>CSD 3200/5200 (51C:127g) Language of School-aged Children 3</td>
</tr>
<tr>
<td>CSD 3220 (51C:125) Disorders of Speech Sounds 3</td>
</tr>
<tr>
<td>CSD 3250/5250 (51C:162g) Speech Science 3</td>
</tr>
<tr>
<td>CSD 3260/5260 (51C:175g) Hearing Science 3</td>
</tr>
<tr>
<td>CSD 3270/5270 (51C:177g) Introduction to Audiology 3</td>
</tr>
<tr>
<td>CSD 3650 (51C:152) Clinical Processes 2</td>
</tr>
<tr>
<td>CSD 3900/5900 (51C:180g) Aural Rehabilitation 3</td>
</tr>
<tr>
<td>Statistical Measurement:</td>
</tr>
<tr>
<td>STAT 1772 (800:072) Introduction to Statistical Methods 3</td>
</tr>
</tbody>
</table>

### Additional Requirements

Students must select a minimum of 10 credit hours from Option 1 or Option 2

<table>
<thead>
<tr>
<th>Option 1: Pre-professional speech-language pathology</th>
</tr>
</thead>
<tbody>
<tr>
<td>Communication Disorders:</td>
</tr>
<tr>
<td>CSD 3140/5140 Introduction to Neurogenic Disorders</td>
</tr>
<tr>
<td>CSD 3700/5700 (51C:168g) Communication Disorders and Differences Across the Lifespan</td>
</tr>
<tr>
<td>CSD 4150/5150 Developmental Neurology in Communication Sciences and Disorders</td>
</tr>
<tr>
<td>CSD 4500 (51C:155) Clinical Practice</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Option 2: Pre-professional audiology</th>
</tr>
</thead>
<tbody>
<tr>
<td>Psychology:</td>
</tr>
<tr>
<td>PSYCH 3101/5101 Biopsychology</td>
</tr>
<tr>
<td>PSYCH 3204/5204 (400:173g) Psychology of Aging</td>
</tr>
<tr>
<td>PSYCH 3303/5303 (400:154g) Health Psychology</td>
</tr>
</tbody>
</table>

| Public Health and Education:  |
| PH 2630 Aging and Health |

| Social Work:  |
| SW 4143 (450:143g) Self-Care and Stress Management in Helping Professions |

<table>
<thead>
<tr>
<th>Communication Disorders</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSD 3140/5140 Introduction to Neurogenic Disorders</td>
</tr>
<tr>
<td>CSD 3700/5700 (51C:168g) Communication Disorders and Differences Across the Lifespan</td>
</tr>
<tr>
<td>CSD 4000/5000 (51C:197g) Honors in Communicative Disorders</td>
</tr>
<tr>
<td>CSD 4100/5100 (51C:160g) Augmentative and Alternative Communication</td>
</tr>
<tr>
<td>CSD 4150/5150 Developmental Neurology in Communication Sciences and Disorders</td>
</tr>
<tr>
<td>CSD 4500 (51C:155) Clinical Practice</td>
</tr>
</tbody>
</table>

| Total Hours 48 |

Students must have an overall GPA of 3.00 or consent of the department head to declare a major in Communication Disorders. Declaration of the major must occur before enrollment in CSD 3650 (51C:152) and all accompanying courses in that semester's sequence. Transfers into the major must have a GPA of 3.00 to be accepted into the program. An overall GPA of 3.00 must be maintained throughout the undergraduate program or approval to continue must be obtained from the department head. Students must complete 25 clock hours.
Department of Communication Sciences and Disorders

of supervised clinical observation prior to beginning CSD 4500 (51C:155).

Students must receive a grade of B- or better in the required core courses offered by the Department of Communication Sciences and Disorders, and in the courses taken in either option, in order to receive credit toward the major. Students must repeat any major course (other than the course in statistics) for which they receive a grade lower than a B-. Any one course may be repeated once; a second failure to meet the required B- grade will necessitate review and consultation with the student's advisor and the department head. If a student does not attain and maintain the grade point requirement of the department, the student's Declaration of Major will be revoked and the individual referred to the Office of the Registrar as an undeclared student. All majors and all provisional majors must obtain their advisor's signature before registering for, adding, or dropping classes.

Students who plan on continuing in a graduate program in audiology or speech-language pathology, and completing professional certification requirements, are advised that they will need coursework in the biological, physical, and social/behavioral sciences. Usually, this requirement is fulfilled by courses taken in the Liberal Arts Core. In the sciences, the content in the physical sciences should be physics or chemistry; social/behavioral sciences should be psychology, sociology, or anthropology.

Master of Arts Degree Program
Major in Speech-Language Pathology

The professional program in speech-language pathology is a program of both undergraduate and graduate courses leading to a Master of Arts degree. The program is designed to prepare students for careers as speech-language pathologists providing remedial services to the speech, language, and hearing disabled in a wide variety of settings including schools, hospitals, clinics, and care centers for the elderly.

Students interested in this program must submit a completed Application for Admission to Graduate Study and should refer to their MyUNIverse Student Center To-Do list or contact the Department of Communication Sciences and Disorders for other application requirements. Graduate information and application for graduate admission can be found at www.grad.uni.edu/admission.

The Graduate Record Examination (General Test) is required for admission to the program.

Only graduate courses (course numbers 5000 or above) will apply to a graduate degree, even if the undergraduate course number (4999 or less) is listed. No exceptions will be made.

This major is available on the thesis and non-thesis options. A minimum of 51 semester hours is required for both options. A minimum of 6 hours of CSD 6299 (51C:299) is required for the thesis option. A minimum of 47 semester hours of 200/6000-level course work is required.

Students may select the thesis or non-thesis option upon consultation with their graduate advisor. In the Department of Communication Sciences and Disorders, all students must have the signature of their advisor for registration for classes, including all adds and drops. Students who are suspended by the Graduate College may not enroll for major courses within this department.

All students must abide by the policies and procedures found in the Graduate Student Handbook, which is published by, and available in, the department.

The student, in consultation with the advisor, must choose courses designed to meet the standards of the Council on Academic Accreditation of the American Speech-Language-Hearing Association academic requirements for the Certificate of Clinical Competence. Recommendation for clinical certification will be given only upon successful completion of all academic and clinical requirements.

The student must complete a minimum of 400 clock hours of which 25 are observation and 375 are in direct patient contact in the supervised clinical practicum; at least 325 of the 400 clock hours must be at the graduate level. Students must complete a course covering communication modalities. This may be fulfilled at the undergraduate level with CSD 4100/5100 (51C:160g) Augmentative and Alternative Communication or as an elective at the graduate level with CSD 5100.

Based on satisfactory completion of an undergraduate degree in Communication Disorders or the equivalent, course work, clinical assignments, and the internship experience will ordinarily take four semesters and one summer.

Students seeking endorsement #237 by the Iowa Department of Education typically complete course requirements as undergraduates, including SOCFOUND 3119 (260:119) Schools and American Society and TEACHING 4170/5170 (280:170g) Human Relations: Awareness and Application, as well as additional hours of specified major courses and course work in professional education. To complete the requirements for an endorsement, graduate students enroll in TEACHING 6250 (280:250) Advanced Laboratory Practice during their internship semester. Graduate students who need to complete course requirements for endorsement #237 should consult with their major academic advisor.

Requirements for certification and licensure include both graduate and undergraduate courses considered essential to certification and the master's degree. Asterisked (*) courses will normally have been completed at the undergraduate level; if not, the student and departmental graduate academic advisor will determine how such incomplete requirements will be met. Students must complete 25 clock hours of supervised clinical observation prior to beginning clinical practice.

Students are expected to earn grades of B- or better in CSD 6560 Diagnostics in Communication Disorders and CSD 6660 Advanced Diagnostics in Communication Disorders and each of the seven required credits of CSD 6500 (51S:255) Advanced Clinical Practice: Full Semester/CSD 6510 Advanced Clinical Practice: 8 Week. Students who do not earn a B-grade will be required to meet with the clinic director and department head for review and consultation. Students who demonstrate significant difficulties in the clinical courses, such as failing to meet the B- requirement, may be asked to take an additional semester of either CSD 6500 (51S:255) Advanced Clinical Practice: Full Semester or CSD 6660 Advanced Diagnostics in Communication Disorders.

To meet the requirements for professional certification and licensure, students must attend professional issues lectures and demonstrations addressing topics such as professional ethics, medical and school practices, resumes/interviewing, the PRAXIS examination,
Department of Communication Sciences and Disorders

CSD 6800  Fluency Disorders  2
To obtain required content in cognitive disorders, students must take one of the following seminar topics: Acquired Cognitive Disorders or Degenerative Diseases.

Research:
CSD 6299 (51C:299)  Research  2 or 6
Thesis Option (6 hrs.)
Non-thesis Option (2 hrs.)

Internship:
CSD 6580 (51C:257)  Internship in Clinical Settings  9-14
(4 hrs. if combined with TEACHING 6250; otherwise 9 hours)

and/or
TEACHING 6250  Advanced Laboratory Practice  9
(280:250)  Advanced Laboratory Practice  (10 hrs.)

Electives  0 or 4
Non-thesis option (4 hrs.)
Minimum 4 credits in addition to required CSD 6289 (51S:289) seminar for non-thesis option; no additional electives required for thesis option; courses as approved by the graduate advisor.

Total hours non-thesis  51-56
Total hours thesis  51-56

American Sign Language Courses

ASL 3190. American Sign Language (ASL) I — 3 hrs.
Introduction to principles and use of American Sign Language. Prerequisite(s): sophomore standing or consent of instructor. (Fall and Spring)

ASL 3195. American Sign Language (ASL) II — 3 hrs.
Designed for students with basic communication skills in American Sign Language. Emphasis on advanced practice of American Sign Language and study of the deaf culture. Prerequisite(s): ASL 3190 (grade of C or better) (Fall and Spring)

ASL 3196. American Sign Language (ASL) III — 3 hrs.
Designed for students with intermediate communication skills in American Sign Language. Emphasis on advanced practice American Sign Language and study of the deaf culture. Prerequisite(s): successful completion of ASL 3190 and ASL 3195 (grade of C or better). (Variable)

Communication Sciences and Disorders Courses

CSD 1000 (51C:006). Understanding Communication Disorders — 3 hrs.
Provides a general understanding of normal and disordered speech, language, and hearing in adults and children. Covers normal development of communication behavior, the nature of communication disorders, and how speech-language pathology and audiology interact with allied fields (e.g., education, medicine, psychology, and special education). Incorporates the influence of cultural and linguistic diversity. (Fall)
CSD 3100 (51C:106). Language Acquisition in Children: Birth to 5 Years — 3 hrs.
Study of the acquisition of phonological, semantic, syntactic, and pragmatic systems as these interface with brain maturation and motor, cognitive, and social development. Biological and social/interactional factors examined from variety of perspectives (e.g. cultural and linguistic diversity), stressing “applied” orientation. (Spring)

Proficiency in use of International Phonetic Alphabet with emphasis on physiological and linguistic aspects of speech sound production. (Spring)

CSD 3130/5130 (51C:164g). Neuroscience and the Study of Communication Disorders — 3 hrs.
Study of neuroanatomical and neurophysiological bases of speech production. Prerequisite(s): CSD 3135 (51C:114); junior standing; minimum 3.00 GPA or consent of department head. Department consent required to take at 5000-level. (Fall)

CSD 3135 (51C:114). Anatomy and Physiology of Speaking Mechanism — 3 hrs.
Introduction to functional anatomy and physiology in the speech mechanism. (Spring)

CSD 3140/5140. Introduction to Neurogenic Disorders — 3 hrs.
Introduction to the study of how various neurogenic disorders affect communication. Prerequisite(s): CSD 3135 (51C:114); CSD 3130/5130 (51C:164g); junior standing; minimum 3.00 GPA or consent of department head. Department consent required to take at 5000-level. (Spring)

CSD 3200/5200 (51C:127g). Language of School-aged Children — 3 hrs.
Language development of older children. Assessment and intervention principles and techniques for children of school age with language disorders. Includes issues in cultural and linguistic diversity, literacy and collaboration with classroom teachers. Prerequisite(s): CSD 3100 (51C:106); junior standing; minimum 3.00 GPA or consent of department head. Department consent required to take at 5000-level. (Fall)

CSD 3220 (51C:125). Disorders of Speech Sounds — 3 hrs.
Study of disordered phonological/articulatory systems; linguistic and cultural variation; exploration of assessment and intervention principles and practices. Prerequisite(s): CSD 3120 (51C:111) or consent of instructor; minimum 3.00 GPA or consent of department head. (Fall)

CSD 3250/5250 (51C:162g). Speech Science — 3 hrs.
Study of sound analysis techniques used in the diagnosis of and research into disorders of communication. Includes laboratory experience. Prerequisite(s): CSD 3260/5260 (51C:175g); junior standing; minimum 3.00 GPA or consent of department head. Department consent required to take at 5000-level. (Spring)

CSD 3260/5260 (51C:175g). Hearing Science — 3 hrs.
Physical concepts and acoustics relating to propagation and measurement of sound. Anatomy and physiology of the ear including neurophysiology of the peripheral and central auditory system, and psychoacoustics. Prerequisite(s): junior standing; minimum 3.00 GPA or consent of department head. Department consent required to take at 5000-level. (Fall)

CSD 3270/5270 (51C:177g). Introduction to Audiology — 3 hrs.
Nature and measurement of hearing; types of hearing loss; audiometric measurement including procedures, and specialized tests. Prerequisite(s): CSD 3260/5260 (51C:175g); junior standing; minimum 3.00 GPA or consent of department head. Department consent required to take at 5000-level. (Spring)

CSD 3650 (51C:152). Clinical Processes — 2 hrs.
Introduction to role of speech-language pathologists and audiologists as clinicians; emphasis on observation and participation as an assistant in the UNI Roy Eblen Speech and Hearing Clinic. Prerequisite(s): Communication Disorders majors only; CSD 1000 (51C:006); CSD 3100 (51C:106); minimum 3.00 GPA; junior standing or consent of instructor. (Fall and Spring)

CSD 3700/5700 (51C:168g). Communication Disorders and Differences Across the Lifespan — 3 hrs.
Study of communication patterns, assessment accommodations, intervention, transition, and linguistic and cultural diversity for selected clinical categories across the lifespan. Prerequisite(s): junior standing; minimum 3.00 GPA or consent of department head. Department consent required to take at 5000-level. (Spring)

CSD 3900/5900 (51C:180g). Aural Rehabilitation — 3 hrs.
Principles and procedures for assessment and rehabilitation of communication deficits of hearing-impaired persons - emphasizing amplification systems, auditory training, speech-reading, and total communication for the hard-of-hearing and deaf. Introduction to counseling for individuals and families experiencing hearing loss and awareness of diverse cultural views of hearing loss (Deaf culture). Prerequisite(s): CSD 3260/5260 (51C:175g); CSD 3270/5270 (51C:177g); junior standing; minimum 3.00 GPA or consent of department head. Department consent required to take at 5000-level. (Fall)

CSD 4000/5000 (51C:197g). Honors in Communicative Disorders — 2-3 hrs.
Development and implementation of an approved research project in an area of communicative disorders. Prerequisite(s): junior standing; consent of instructor. Department consent required to take at 5000-level. (Variable)

CSD 4100/5100 (51C:160g). Augmentative and Alternative Communication — 3 hrs.
Study of theoretical and practical aspects of planning augmentative and alternative communication for individuals who have complex communication needs. The influence and importance of considerations for individual linguistic and cultural differences will also be discussed. Prerequisite(s): junior standing. Department consent required to take at 5000-level. (Fall and Spring)

CSD 4150/5150. Developmental Neurology in Communication Sciences and Disorders — 3 hrs.
Provides advanced undergraduate and new graduate students in communication sciences and disorders with experience focusing on neurological based communication disorders in children birth to 5 years. Prerequisite(s): CSD 3100 (51C:106); CSD 3135 (51C:114); CSD 3130/5130 (51C:164g) or consent of instructor; junior standing; minimum 3.00 GPA or consent of department head. Department consent required to take at 5000-level. (Spring)

Major issues confronting clinicians, researchers, and the profession. Topics to be determined by instructors. May be repeated as section
Department of Communication Sciences and Disorders

CSD 4500 (51C:155). Clinical Practice — 1 hr.
Clinical experience evaluation and remediation of language and articulation disorders as well as experience in screening of hearing. 1 hr. is required, may be repeated for total of 2 hours. Prerequisite(s): Communication Disorders majors only; CSD 3100 (51C:106); CSD 3120 (51C:111); CSD 3135 (51C:114); CSD 3200/5200 (51C:127g); CSD 3220 (51C:125); CSD 3650 (51C:152); minimum 3.00 GPA; senior standing or consent of instructor. (Fall and Spring)

Introduction to methodology, various designs, and report preparation for research. Prerequisite(s): admitted to graduate program in Speech-Language Pathology or department consent. (Fall and Spring)

CSD 6100 (51C:282). Professional Issues — 1 hr.
Study of current professional issues in speech-language pathology. Prerequisite(s): admitted to graduate program in Speech-Language Pathology or department consent. (Spring)

Advanced study of etiology, nature, habilitation, and associated problems resulting from facial clefts and other structural facial deviations. Evaluative and therapeutic principles and practices. Includes laboratory. Prerequisite(s): CSD 3220 (51C:125) or consent of instructor; admitted to graduate program in Speech-Language Pathology or department consent. (Variable)

CSD 6230. Structural Disorders - Craniofacial and Head & Neck Cancer — 3 hrs.
Understanding of the etiology, assessment, and treatment of head and neck cancer and craniofacial disorders; focus on alaryngeal speech options, oral cancer, swallowing following a total laryngectomy, and respiration, as well as observation and analysis of characteristics of cleft palate speech and intervention techniques. Prerequisite(s): CSD 3135 (51C:114) or consent of instructor; admitted to graduate program in speech-language pathology or department consent. (Variable)

Project must be approved before beginning of semester in which work is to be done. May be repeated. Prerequisite(s): department consent. (Variable)

Seminars in special topics to be announced in the Schedule of Classes. No limit on number of times repeated as long as topic is different. Prerequisite(s): consent of department; admitted to graduate program in Speech-Language Pathology or department consent. (Fall, Spring, Summer)

CSD 6299 (51C:299). Research — 1-6 hrs.
May be repeated for a maximum of 2 hours (non-thesis) or 6 hours (thesis). Prerequisite(s): consent of instructor and department head. (Variable)

CSD 6300 (51S:222). Treatment of Child Language Disorders — 3 hrs.
Principles and approaches for treating children with language disorders. Consider how cultural and linguistic differences influence treatment planning and delivery. Requires active participation for demonstrations and presentations. Prerequisite(s): admitted to graduate program in Speech-Language Pathology or department consent. (Spring)

CSD 6400 (51S:226). Disorders of Voice — 3 hrs.
In-depth study of the etiology, diagnosis, and management of voice disorders. Prerequisite(s): admitted to graduate program in Speech-Language Pathology or department consent. (Fall)

Neurophysiological bases, differential diagnosis, and clinical management of motor speech disorders in adults including diverse populations. Prerequisite(s): admitted to graduate program in Speech-Language Pathology or department consent. (Fall)

Clinical experience in diagnosis and remediation of speech, language, and/or hearing problems at an advanced level of preparation and responsibility. Must be taken for minimum of three academic terms in the graduate program. Prerequisite(s): CSD 4500 (51C:155) or consent of instructor; individuals must be accepted graduate students in the Speech-Language Pathology major. (Fall and Spring)

CSD 6510. Advanced Clinical Practice: 8 Week — 1 hr.
Clinical experience in diagnosis and remediation of speech, language, and/or hearing problems at an advanced level of preparation and responsibility. Typically taken for one eight week summer session during the graduate program. Prerequisite(s): CSD 4500 (51C:155) or consent of instructor; individuals must be accepted graduate students in the Speech-Language Pathology major. (Summer)

CSD 6560. Diagnostics in Communication Disorders — 2 hrs.
Theoretical and practical aspects of the evaluation process. Prerequisite(s): admitted to graduate program in Speech-Language Pathology or department consent. Corequisite(s): CSD 6500 (51S:255) or consent of instructor. (Variable)

CSD 6580 (51C:257). Internship in Clinical Settings — 4-16 hrs.
Advanced clinical experience in settings such as hospitals, rehabilitation centers, schools. Minimum 8-week, full-time internship when taken in addition to TEACHING 6250 (280:250); minimum 16-week, full-time without TEACHING 6250 (280:250). Prerequisite(s): admitted to graduate program in Speech-Language Pathology or department consent. (Fall, Spring, Summer)

CSD 6600 (51S:229). Dysphagia — 2 hrs.
Diagnosis and remediation of dysphagia in children and adults. Prerequisite(s): admitted to graduate program in Speech-Language Pathology or department consent. (Spring)

CSD 6650 (51S:228). Aphasia and Related Disorders — 3 hrs.
Diagnosis and remediation of aphasia with adults, including those from diverse populations. Prerequisite(s): admitted to graduate program in Speech-Language Pathology or department consent. (Spring)

CSD 6660. Advanced Diagnostics in Communication Disorders — 2 hrs.
Advanced techniques in communication disorders assessment (interviewing; report-writing; clinical application); must be taken for at least one fall or spring semester. Prerequisite(s): CSD 6560; admitted to graduate program in Speech-Language Pathology or department consent. Corequisite(s): CSD 6500 (51S:255). (Fall and Spring)

CSD 6700 (51S:232). Clinical Phonology — 3 hrs.
Review of current literature on phonological disorders. Includes issues and procedures in the assessment and management of such disorders.
Department of Communication Sciences and Disorders

Prerequisite(s): CSD 3220 (51C:125) or consent of instructor; admitted to graduate program in Speech-Language Pathology or department consent. (Fall and Spring)

CSD 6800. Fluency Disorders — 2 hrs.
Study of etiology, diagnosis, and management of fluency disorders, including service provision for multi-lingual populations.
Prerequisite(s): admitted to graduate program in Speech-Language Pathology or department consent. (Fall)