The major in Communication Disorders and Sciences is part of the Rehabilitation Institute. The program in Communication Disorders and Sciences has as its objective the training of qualified personnel to aid people who have speech, language, or hearing impairment. The undergraduate curriculum is broad in scope and gives the student the necessary preprofessional background for the clinical-research program offered at the master’s level. Both the state of Illinois and national certification require the master’s degree. Students who complete the graduate program at the master’s level and have certification are qualified for positions in public or private clinics, schools, hospitals, or rehabilitation agencies. In addition, the broad scope of the undergraduate program provides a solid foundation for many graduate professional programs in rehabilitation, such as rehabilitation counseling, behavioral analysis and therapy, and rehabilitation administration.

Communication Disorders and Sciences is dedicated to preparing students for leadership roles in the profession. Students are expected to develop programs that will enhance their individual strengths in light of their professional goals. The undergraduate program permits students to develop significant concentration areas outside of the department while laying the foundation for graduate education.

The undergraduate program is designed to provide the student with sufficient information and experience to determine the advisability of pursuing a graduate degree in Communication Disorders and Sciences. Students choosing not to continue in the profession will find themselves well prepared to enter the job market with a broadly based education or to pursue graduate work in allied rehabilitation professions.

All students are encouraged to plan programs of study to meet the academic and practicum requirements for the Certificate of Clinical Competence of the American Speech-Language-Hearing Association, (10801 Rockville Pike, Rockville, MD, 20852-3279) or the Illinois Professional Educator License with School Support Personnel Endorsement for SLPs: Non-Teaching, or both. Programmatic planning at the undergraduate level will facilitate completion of certification requirements of American Speech-Language-Hearing Association and State of Illinois in conjunction with the master’s degree program.

### Bachelor of Science Degree in Communication Disorders and Sciences, Preprofessional Program

<table>
<thead>
<tr>
<th>Degree Requirements</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>University Core Curriculum Requirements</td>
<td>41</td>
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<tr>
<td>To include: ENGL 101, ENGL 102; CMST 101; MATH 110 or MATH 101; PHYS 101 or CHEM 106; PLB 115 or ZOOL 115; PHIL 308I; HIST 110; AD 101, HIST 201, MUS 103 or THEA 101; HIST 101A, HIST 101B, PHIL 103A,PHIL 103B; ENGL 121 or ENGL 204; POLS 114; PSYC 102; ANTH 202, HIST 202 or SOC 215; HED 101 or KIN 101.</td>
<td>49</td>
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<tr>
<td>Major Requirements</td>
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<td>Degree Requirements</td>
<td>Credit Hours</td>
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<td>QUAN 402 or MATH 282</td>
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<td>PSYC 102, PSYC 211, PSYC 301</td>
<td>10</td>
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<td>SOC 108</td>
<td>3</td>
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<tr>
<td>CDS 105, CDS 300, CDS 301, CDS 302, CDS 303, CDS 314, CDS 410, CDS 420, CDS 422, CDS 492, CDS 493</td>
<td>33</td>
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<tr>
<td><strong>Total</strong></td>
<td><strong>127</strong></td>
</tr>
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</table>

IL Professional Educator License: Non-Teaching Requirements: EDUC 214, SPED 300, CI 360, CDS 410

Students interested in the IL PEL: Non-Teaching should contact the academic advisor for Communication Disorders and Sciences in the College of Education and Human Services for appropriate University Core Curriculum and licensure coursework.

**Communication Disorders and Sciences Courses**

**CDS100 - Speech Clinic - Therapy** 100-0 to 1 Speech Clinic: Therapy. For students with speech and hearing deviations who need individual help. Special approval needed from the instructor.

**CDS104 - Training the Speaking Voice** 104-3 Training the Speaking Voice. For those students who desire to improve their voice and articulation.

**CDS105 - Intro Communication Disorders** 105-3 Introduction to Communication Disorders. A general survey course devoted to a discussion of the various problems considered to be speech and hearing disorders with special emphasis on basic etiological classification schemes and their incidence in the current population. Opportunities for directed observation.

**CDS300 - Phonetics** 300-3 Phonetics. Instruction in the use of phonetic symbols to record the speech sounds of midland American English, with emphasis on ear training, and a description of place and manner of production of these sounds.

**CDS301 - Intro Speech-Lang & Hear Sci** 301-3 Introduction to Speech-Language and Hearing Science. An introduction to the science of general speech including the history of research in the field and significant experimental trends. Open to all students.

**CDS302 - Voice and Articulation** 302-3 Voice and Articulation. A general introduction to the phonological development in children on a normative basis. In addition to introducing the student to the classical studies in articulatory development, this course provides a general exposure to the implications of classical phonetic theory, coarticulatory theory and distinctive features theory as a framework for therapy and research. Physioacoustic parameters of voice quality variables evidenced in verbal communication are also studied. Lectures and demonstrations emphasize basic information necessary to study for the treatment of voice disorders.

**CDS303 - Language Development** 303-3 Language Development. (Same as CI 413) Presentation of developmental language components including theoretical considerations and terminology related to traditional structural and transformational grammar. The effects of dialect and English as a second language will be expounded. Language analysis and research are discussed and related to the developmental process.

**CDS307 - Introduction to Organics** 307-3 Introduction to Organics. An introduction to the organic bases of communication disorders. An emphasis will be placed on the foundations of development and
teratological events and influences which result in specific communication disorders, and overview of those disorders, and their implications for the individual. Observations as directed. Prerequisite: CDS 314 or consent of instructor.


CDS328 - CDS & Classroom Teacher 328-3 Communication Disorders and Sciences and the Classroom Teacher. Basic information on communication disorders through exploring etiology, diagnostic, and treatment of school age children with common speech, language and hearing disorders. This course will also provide information on collaboration, and integration of speech-language programs into the school curriculum.

CDS385 - Computer Technology 385-3 Computer Technology in Communication and Fine Arts. An introduction to the basic terminology, concepts and techniques being used in the various areas of education and rehabilitation. A foundation course to prepare students for the impact of computer technology in the professional lives of those who work in the occupational settings represented within the college.

CDS408 - Craniofacial Anomalies 408-3 Communicative Disorders: Craniofacial Anomalies. Development of cleft palate and related anomalies that cause communication disorders. Assessment and intervention of the communication disorders related to these impairments. Prerequisite: Coursework on the normal structure and function of the speech and hearing mechanism.

CDS410 - Multicultural Aspects:CDS 410-3 Multicultural Aspects of Communication Disorders. Students will explore different cultures and communication within these cultures. Emphasis will be placed on the relationship between cultural differences and communication disorders. Review of speech and language disorders in multicultural populations, as well as assessment and intervention strategies for use with this diverse group will be provided. Prerequisite: CDS 302, 303 or consent of instructor.

CDS420 - Intro Audiological Dsrdrs/Eval 420-3 Introduction to Audiological Disorders and Evaluation. Bases of professional field of audiology (orientation, anatomy, and physiology of the auditory system), major disease processes influencing hearing and their manifestations, measurement of hearing loss. Prerequisite: CDS 301 and 314.

CDS422 - Comm Probs-Hearing Impaired 422-3 Communication Problems of the Hearing Impaired. Objectives and techniques for the teaching of lip reading, speech conservation, and auditory training. Prerequisite: CDS 302, 303, and 420 or equivalents. Special approval needed from the instructor.

CDS450 - Neuroanatomical Basis Hum Comm 450-3 Neuroanatomical Basis of Human Communication. Examination of the central nervous system (brain and spinal cord) as it relates to normal and disordered human communication. Presentation of basic neuroanatomy, common neuropathologies relevant to communication disorders, and strategies in neurogenic problem solving. Prerequisite: CDS 314 or consent of instructor.

CDS460 - Augmentv/Alterntve Comm Syst 460-3 Augmentative and Alternative Communication Systems. An introduction to alternative and augmentative communication systems for non-vocal clients. Discussions include: use of aided and unaided augmentative systems, assessment procedures and training. Prerequisite: CDS 301 or consent of instructor.

CDS485 - Special Topics in CDS 485-1 to 9 (1 to 3 per 700 section number) Special Topics in Communication Disorders and Sciences. Topical presentations of current information on special interests of the faculty not otherwise covered in the curriculum. Designed to promote better understanding of recent developments related to disorders of verbal communication. Open to advanced undergraduate and graduate students. Special approval needed from the instructor.

CDS491 - Individual Study 491-1 to 9 (1 to 3 per semester) Individual Study. Activities involved shall be investigative, creative, or clinical in character. Must be arranged in advance with the instructor, with consent of the chair. Special approval needed from the chair.

CDS492 - Diagnostic Procedures:CDS 492-3 Diagnostic Procedures in Communication Disorders. A course devoted to discussion of the role of the speech and hearing clinician as a differential diagnostician.
Special emphasis is placed on correlating information obtained from the oral-peripheral examination, articulation and language evaluation, audiometric and case history information in constructing the initial evaluation report. Special approval needed from the instructor.

**CDS493 - Basic Clinical Practice** 493-3 Basic Clinical Practice. Current information regarding diagnostic, treatment and documentation procedures in speech-language pathology will be presented through active observation in the clinical environment and classroom instruction. Special approval needed from the instructor.

**CDS500 - Research Design in CDS** 500-3 Research Design in Speech Pathology and Audiology. Evaluation of the strategies and procedural tactics of behavioral research.

**CDS505 - Phonological Development** 505-3 Phonological Development and Disorders. An introductory discussion of the important linguistic, physiological and acoustic variables which affect language production at the segmental and supra-segmental level of language; and an historical examination of the growth and development of distinctive feature systems from 1920 to the present. Concentration upon the mathematical, logical, physiological and acoustic assumptions of the various matrices, which have been developed. Prerequisite: CDS 302 or equivalent. Special approval needed from the instructor.

**CDS507 - Language Disorders** 507-3 Language Disorders. Discussion of the application of current theoretical implications and research findings to the syntactically impaired. This course emphasizes diagnostic and therapeutic models applicable to language disorders. Opportunities for research and clinical experience with young children displaying developmental language problems will be provided. Required for Master's students. Prerequisite: CDS 303 or consent of instructor.

**CDS510 - Stuttering** 510-3 Stuttering: Behavior Assessment and Therapy. Explores the assumptions underlying diagnosis and assessment. Procedures specific to the differential assessment of fluency failures are examined, evaluated and related to therapeutic strategies and the tactics of behavior change. Special approval needed from the instructor.

**CDS512 - Voice Disorders** 512-3 Voice Disorders. An intensive study of the variables of air stream modulation resulting from impaired structures and function of head and neck.

**CDS517 - Comm Impair Birth-3** 517-3 Seminar: Language Disorders Birth to Three. In this course we will identify a typical physical growth, cognitive and motor functions and other areas of development that affect communication in children ages 0 to three years. It will also infuse cultural awareness, and provide information on working with families, peer professionals, processes of teaming, referral and collaboration. Prerequisite: CDS 303 or equivalent or consent of instructor.


**CDS519 - Medical SLP & AAC** 519-3 Medical Speech-Language Pathology and Augmentative Communication. Disorders of communication that often occur in medical settings, including those related to traumatic brain injury and laryngectomy. Also focuses on persons with severe communication impairment and augmentative/alternative communication as a broad category of intervention procedures for this client population.

**CDS533 - Sem: Speech & Audio Percep** 533-3 to 6 (3,3) Seminar: Speech and Auditory Perception. Special problems in hearing and communication science. Students may choose from a wide range of topics: speech acoustic, kinesthetic and vibrotactile perception, voiceprint identification, synthetic and compressed speech, digital speech, electro stimulation of hearing, and neurophysiological basis for perception. One or more topics are pursued in depth. The seminar may be repeated for a total of six hours with different content. Special approval needed from the instructor.

**CDS540 - Neurogen Disorder Comm I** 540-3 Neurogenic Disorders of Communication I. Focus on aphasia and neurolinguistic science. A clinically oriented presentation of the aphasias, and related CNS language disturbances, will be integrated with an introduction to the broader field of neurolinguistics. Clinical aspects will focus on assessment of rehabilitation approaches in aphasia and related disorders.
Other topics include cortical language representation, hemispheric functions (general), and review of basic neurolinguistic literature. Prerequisite: CDS 450 or consent of instructor.

CDS541 - Neurogenics II 541-3 Neurogenic Disorders of Communication II. Focus on the role of the pyramidal and extrapyramidal motor systems in speech production and speech disorders related to abnormalities in these motor systems. Discussion of the neurological basis and clinical management of the dysarthrias and verbal apraxia. Prerequisite: CDS 450 or consent of instructor.

CDS544 - ComptrTech:PhonDsordChld 544-1 to 6 Seminar: Computer Techniques for Phonological Disorders in Children. A laboratory based examination of the distinctive features used by children in the normal and abnormal acquisition of phonology. Discussions and practical projects are developed to further the student's understanding of current assumptions concerning the acoustical aspects of abnormal phonation and speech sound production. Group projects are developed using computer based speech sound digitizing equipment. Course credit is based upon the time involved and the complexity of the topic. Digital software and laboratory examination topics are varied to meet individual student needs. May be repeated as topics vary to a total of 6 hours.

CDS550 - Pro Training Seminar 550-1 to 15 Professional Training Seminar. A special seminar that provides doctoral students the opportunity to prepare and present papers on various aspects of speech-language pathology and audiology. Liberal discussion will follow each paper. All doctoral students are required to enroll for one credit each semester until admitted to candidacy. Graded S/U only. Only four credit hours are counted toward the Ph.D. degree.

CDS590 - Readings 590-1 to 4 (1 to 2, 1 to 2) Readings in Speech-Language Pathology and Audiology. Supervised and directed readings in specific areas of speech pathology and in audiology. Maximum of two hours counted toward Master's degree. Special approval needed from the chair.

CDS593 - Research Problems 593-1 to 3 Research Problems in Speech-Language Pathology and Audiology. Individual work upon selected problems for research. Special approval needed from the chair.

CDS594 - Adv Clinic: Prac Therapy 594-1 to 18 (1 to 3 per semester) Advanced Clinical Practice Therapy/SLP. Active, supervised participation in the clinical process with emphasis on individualized assessment, treatment, counseling and documentation procedures. Overview of clinical practice in various settings, federal legislation and standards of ethical practice. Special approval needed from the instructor.

CDS595 - Clinic Seminar 595-1 Clinic Seminar. Taken concurrently with CDS 594. Topics differ each semester and are related to clinical practice, including those necessary for successful completion of advanced clinical practicum, internship/student-teaching, clinical fellowship and professional credentialing. Fulfills the reading instruction requirement for the Illinois Professional Educator License for speech-language pathologists. Partially fulfills the requirements for ASHA certification.

CDS596 - Adv Clinic: Hear Diagnostics 596-1 Advanced Clinical Practice: Hearing Diagnostics. Advanced clinical practice in hearing diagnostics. Emphasis will be placed on diagnostic techniques used in the preparation of basic and advanced audiological reports. Graded S/U only. Special approval needed from the instructor.

CDS597 - Public School Practicum 597-12 Public School Practicum. Public School internship provides the student with clinical experience under the supervision of a school-based certified speech-language pathologist. The student should receive experience with the disorders of fluency, articulation, voice, organsics, language and hearing. The student should also gain administrative experience. Prerequisite: 150 to 200 clock hours. Special approval needed from the instructor. Lab fee: $100.

CDS598 - Intern Comm Disorders 598-6 to 18 Internship Communication Disorders. Internship in a selected medical center, hospital clinic, community agency, or private clinic. The internship provides the student with an intensive, professional, clinical experience under supervision of qualified and certified resident staff members. Special approval needed from the instructor.

CDS599 - Thesis 599-1 to 6 Thesis.

CDS600 - Dissertation 600-1 to 32 (1 to 16 per semester) Dissertation.
CDS601 - Continuing Enrollment 601-1 per semester Continuing Enrollment. For those graduate students who have not finished their degree programs and who are in the process of working on their dissertation, thesis, or research paper. The student must have completed a minimum of 24 hours of dissertation research, or the minimum thesis, or research hours before being eligible to register for this course. Concurrent enrollment in any other course is not permitted. Graded S/U or DEF only.

CDS699 - Postdoctoral Research 699-1 Postdoctoral Research. Must be a Postdoctoral Fellow. Concurrent enrollment in any other course is not permitted.

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Carbondale, IL 62901
Phone: (618) 453-2121

Catalog Year Statement:
Students starting their collegiate training during the period of time covered by this catalog (see bottom of this page) are subject to the curricular requirements as specified herein. The requirements herein will extend for a seven calendar-year period from the date of entry for baccalaureate programs and three years for associate programs. Should the University change the course requirements contained herein subsequently, students are assured that necessary adjustments will be made so that no additional time is required of them.