

498 PROFESSIONAL PRACTICE IN COMMUNICATION**1-9 sem. hrs.**

Refer to Index for General Courses.

499 MASTER'S THESIS**1-6 sem. hrs.**

Refer to Index for General Courses.

499A90 INDEPENDENT RESEARCH FOR MASTER'S**THESIS LAST TERM****1 sem. hr.**

Refer to Index for General Courses.

COMMUNICATION SCIENCES AND DISORDERS (CSD)**204 Fairchild Hall, (309) 438-8643****CSD.IllinoisState.edu****Chairperson:** Ann Beck. Office: 204 Fairchild Hall.**Graduate Program Director:** Heidi Verticchio.**Graduate Faculty:** Beck, Friberg, Harbers, Harvey-Northrop, Joseph, Ou, Osenga, Park, Pyle, Sawyer, Seeman, Smith, Vinney.**Programs Offered**

M.A./M.S. in speech language pathology, Au.D. in audiology, and a Graduate Certificate in Social Aspects of Aging.

Program Requirements

In addition to the requirements of the Graduate School, the degree students must meet all the academic requirements and clinical practicum requirements for the Certificate of Clinical Competence of the American Speech-Language-Hearing Association. Copies of requirements for both Illinois and national certification are available in the departmental office. The graduate programs are accredited by the Council on Academic Accreditation.

Students must maintain a cumulative grade point average of 3.00 in major courses and overall to retain their degree status and to be eligible for department clinicals. Enrollment by graduate students in the department's clinicals requires degree status. In all instances, permission of the Clinic Director is needed for practicum enrollment, and enrollments may be restricted. External graduate clinicals may require special coursework and will require a student to provide transportation to external settings arranged by the department.

A candidate for the master's degree must spend at least one full term in residence in order to qualify for the degree. A full term is interpreted as one semester with a class load of eight or more hours, or a summer session with a class load of six or more hours. A degree student in the Doctor of Audiology program must spend one year in residency in order to qualify for the degree. A year in residence is interpreted as three consecutive semesters with a class load of six or more hours for each semester.

Three program options are available for the master's degree in speech pathology. Regardless of the option selected, the student must meet the academic and clinical practicum requirements for the Certificate of Clinical Competence (CCC) of the American Speech-Language-Hearing Association (ASHA). In order to

meet the clinical practicum requirements for the CCC, the student must be prepared to accept responsibility for completing all the clinical assignments. The specific requirements for the master's degree in Speech-Language Pathology follow.

Speech-Language Pathology (M.A./M.S.)

Students must meet all the academic and clinical practicum requirements for the Certificate of Clinical Competence (CCC) in Speech Language Pathology from the American Speech Language Hearing Association (ASHA).

Students will select one of three options at the end of the spring semester (third term on campus).

Option I—Comprehensive Exam:

- 39 academic hours: CSD 402, 403, 404, 406, 409, 410, 412, 413, 414, 418, 420, 422, 432, 451, and 460
- 18 clinical hours: CSD 408A30, 408A40, 408A50, 408A60, and 408A70
- Pass the comprehensive exam administered by the Department of Communication Science and Disorders

Option II—Independent Study:

- 39 academic hours: CSD 400, 402, 403, 404, 406, 409, 410, 412, 413, 414, 418, 420, 422, 432, 451, and 460
- 18 clinical hours: CSD 408A30, 408A40, 408A50, 408A60, and 408A70
- 2 independent study hours of CSD 400 under the direction of a CSD faculty member

Option III—Thesis:

- 39 academic hours: CSD 402, 403, 404, 406, 409, 410, 412, 413, 414, 418, 420, 422, 432, 451, and 460
- 18 clinical hours: CSD 408A30, 408A40, 408A50, 408A60, and 408A70
- 6 thesis hours: CSD 499 under the direction of a CSD faculty member

Doctor of Audiology (Au.D.)

This four-year post-baccalaureate professional degree is designed to produce audiologists who are competent to perform a wide array of diagnostic, remedial, and other services associated with the practice of audiology. Students must meet all the academic requirements and clinical practicum requirements for the Certificate of Clinical Competence (CCC) of the American Speech-Language-

Hearing Association (ASHA). The program requires a minimum of 106 credit hours. Students are expected to be in residence for at least one academic year. Degree requirements include:

- 59 academic hours: CSD 401, 451, 509, 510, 511, 520, 521, 522, 523, 524, 526, 530, 531, 532, 533, 536, 538, 540, 541, 542, 580A04, 580A06, 580A08, and 580A09
- 23 clinical hours: CSD 508A10, 508A20, 508A30, 508A40
- 6 capstone hours (over two semesters): CSD 500
- 18 clinical residency hours (over three semesters): CSD 598

Graduate Certificate in Social Aspects of Aging

A multidisciplinary program designed to offer a limited number of academically and professionally oriented graduate experiences in aging. The graduate certificate is located within the Department of Sociology and Anthropology in cooperation with the Departments of Family and Consumer Sciences, Health Sciences, Psychology, and Communication Sciences and Disorders. For admission requirements and other information, please see the Department of Sociology and Anthropology section in this catalog.

Communication Sciences and Disorders Courses

350 INTRODUCTION TO AUDIOLOGY

3 sem. hrs.

Principles of hearing measurement: sound, human ear, test methods, hearing losses, screening methods, test interpretation. Prerequisites: CSD 249.

351 INTRODUCTION TO AURAL REHABILITATION TRAINING

3 sem. hrs.

Principles of habilitation/rehabilitation of communicative disorders related to hearing impairment. Visual/auditory speech signals. Amplification: function/use. Prerequisite: CSD 350.

375 DIVERSITY ISSUES IN COMMUNICATION SCIENCES DISORDERS

3 sem. hrs.

A multicultural perspective of communication disorders across the lifespan. Introduction to supportive communication practices. Formerly CULTURAL DIVERSITY IN COMMUNICATION DISORDERS.

401 METHODS OF RESEARCH IN SPEECH PATHOLOGY AND AUDIOLOGY

3 sem. hrs.

Introductory review of research strategy and philosophy in speech pathology and audiology for professionals who will be consumers of research literature.

402 COGNITION AND LANGUAGE ACROSS THE LIFESPAN I: FOUNDATION**4 sem. hrs.**

To provide a foundation in the normal development of and interplay between cognition and language across the lifespan.

403 COGNITION AND LANGUAGE ACROSS THE LIFESPAN II: DIFFERENTIAL DIAGNOSIS**3 sem. hrs.**

Application of content from CSD 402 to etiologies and differential diagnosis of disorders of language and cognition across the lifespan. Prerequisite: CSD 402.

404 COGNITION AND LANGUAGE ACROSS THE LIFESPAN III: INTERVENTION**3 sem. hrs.**

Application of content from CSD 402 and 403 to intervention strategies for disorders of language and cognition across the lifespan. Prerequisite: CSD 402.

406 LANGUAGE FOR LEARNING AND LITERACY**3 sem. hrs.**

Explores the role of language in learning and how to integrate reading, writing and oral communication to increase content learning.

408A30 BASIC PRACTICUM: SPEECH-LANGUAGE PATHOLOGY**1 sem. hr.**

Approximately 25 clock hours of supervised clinical practicum under an ISU Supervisor. Materials charge optional - includes access to Typhon.

408A40 INTERMEDIATE PRACTICUM: SLP**2 sem. hrs.**

Approximately 45 clock hours of supervised clinical practicum. Placement in external practicum sites may be included. Lecture and lab. Multiple enrollments allowed for maximum of 4 semester hours. Materials charge optional. Formerly BASIC PRACTICUM: SPEECH LANGUAGE PATHOLOGY.

408A50 ADVANCED PRACTICUM: SLP**3 sem. hrs.**

Approximately 65 clock hours of supervised clinical practicum. Placement in external practicum sites may be included. Lecture and lab. Materials charge optional.

408A60 EXTERNAL PRACTICUM SPEECH-LANGUAGE PATHOLOGY EDUCATIONAL PLACEMENT**5 sem. hrs.**

Approximately 100 hours of external supervised practicum in an educational setting. Multiple enrollments allowed for maximum of 10 hours. Prerequisites: Consent of the Clinic Director; major and overall graduate GPA of 3.0 or higher.

408A70 EXTERNAL PRACTICUM SPEECH-LANGUAGE PATHOLOGY MEDICAL PLACEMENT**5 sem. hrs.**

Approximately 100 hours of supervised external practicum in a medical setting. Multiple enrollments allowed for maximum of 10 hours. Prerequisites: Consent of the Clinic Director; major and overall graduate GPA of 3.0 or higher.

409 INTRODUCTION TO RESEARCH**2 sem. hrs.**

Critical review of research strategy and philosophy as it relates to evidence-based practice in speech-language pathology and audiology.

410 NEUROBASIS OF COMMUNICATION DISORDERS**3 sem. hrs.**

To provide a neurological basis of communication sciences and disorders (i.e., communication, speech, swallowing, cognition, hearing, sensory integration).

412 SPEECH SOUND DISORDERS**3 sem. hrs.**

Exploration of speech sound disorders that have cognitive/linguistic, motor, or neurological basis with emphasis on differential diagnosis and treatment. Prerequisite: CSD 215.

413 ASSESSMENT AND MANAGEMENT OF VOICE AND RESONANCE DISORDERS**3 sem. hrs.**

Review of normal voice production and the study of etiologies, diagnosis, and management of voice and resonance disorders.

414 DYSPHAGIA**2 sem. hrs.**

In-depth study of evaluation and management/treatment of swallowing disorders in adults. Includes trachs/vents. Formerly EVALUATION AND MANAGEMENT OF DYSPHAGIA.

418 ASSESSMENT AND TREATMENT OF STUTTERING**3 sem. hrs.**

Review of the phenomenology of stuttering pertaining to the evaluation and treatment of stuttering in children and adults. Formerly STUTTERING II.

420 FEEDING AND SWALLOWING DISORDERS IN INFANTS AND CHILDREN**2 sem. hrs.**

This course addresses evaluation and management of pediatric feeding/swallowing disorders, including the needs of tracheostomized/mechanically ventilated patients. Formerly EVALUATION AND MANAGEMENT OF PEDIATRIC DYSPHASIA.

422 ASSESSMENTS ACROSS A LIFESPAN**2 sem. hrs.**

Evaluation of communication disorders across the lifespan and use of the assessment to inform clinical decision-making and recommendations.

432 PROFESSIONAL ISSUES**2 sem. hrs.**

Professional attitudes, ethics, and organizations. Responsibilities in various professional settings. Professional development and maintenance.

449 SPECIAL TOPICS IN SPEECH-LANGUAGE PATHOLOGY**2-6 sem. hrs.**

Current topics in speech-language pathology selected by students in consultation with the instructor. Multiple enrollments allowed for a maximum of 6 semester hours if content is different. Prerequisite: Consent of the instructor.

449A01 EVALUATION AND TREATMENT OF STUTTERING IN SCHOOL AGE CHILDREN**2 sem. hrs.**

Prerequisite: Consent of the instructor.

449A02 SEMINAR IN SPEECH LANGUAGE PATHOLOGY: AUTISM**2 sem. hrs.**

Prerequisite: Consent of the instructor.

449A03 COGNITIVE INTERVENTION AND WELLNESS SEMINAR**2 sem. hrs.**

Prerequisite: Consent of the instructor.

451 COUNSELING FOR COMMUNICATION DISORDERS**2 sem. hrs.**

A study of counseling approaches and techniques used in assessment and intervention of individuals with communication disorders and their families.

460 AUGMENTATIVE AND ALTERNATIVE COMMUNICATION**2 sem. hrs.**

Application of principles of AAC assessment and intervention. Advanced programming of AAC devices. Formerly ADVANCED AUGMENTATIVE AND ALTERNATIVE COMMUNICATION.

498 PROFESSIONAL PRACTICE**1-9 sem. hrs.**

Refer to Index for General Courses. Multiple enrollments allowed for credit.

499 MASTER'S THESIS**1-6 sem. hrs.**

Refer to Index for General Courses. Students who regis-

ter for one or more hours of CSD 499 are required to attend the thesis seminar.

500 INDEPENDENT STUDY**1-4 sem. hrs.**

Refer to Index for General Courses.

508 AUDIOLOGY CLINICAL PRACTICUM**2-4 sem. hrs.**

Supervised clinical practicum. Multiple enrollments allowed for a maximum of 8 semester hours. Materials charge optional. Prerequisite: Consent of the Clinical Director.

508A10 CLINICAL OBSERVATION**1 sem. hr.**

Directed observation in the audiology clinic developing critical observation skills. Includes 25 clinical observation hours. Multiple enrollments allowed for a maximum of 2 semester hours. Materials charge optional. Prerequisite: Consent of Clinical the Director.

508A20 CLINICAL CLERKSHIP**2 sem. hrs.**

Introductory level supervised clinical practicum. Placement of external practicum sites may be included. Multiple enrollments allowed for maximum of 8 semester hours. Materials charge optional. Prerequisite: Consent of the Clinical Director.

508A30 AUDIOLOGY INTERNSHIP**3 sem. hrs.**

Intermediate level supervised clinical practicum. Placement in a variety of clinical sites closely associated with the university clinic. Multiple enrollments allowed for maximum of 12 semester hours. Prerequisite: Consent of Clinical Director.

508A40 GRADUATE AUDIOLOGY PRACTICUM**4 sem. hrs.**

Advanced clinical practicum in audiology conducted in a variety of settings and with a range of hearing-impaired populations. Multiple enrollments allowed for maximum of 16 semester hours. Prerequisite: Consent of the Clinical Director.

509 ANATOMY AND PHYSIOLOGY OF THE AUDITORY VESTIBULAR SYSTEM**3 sem. hrs.**

Advanced study of the anatomy of the auditory and vestibular systems including the latest developments in understanding the function of various elements. Prerequisite: CSD 249.

510 PSYCHOACOUSTICS**2 sem. hrs.**

Advanced study of classical and modern psychoacoustic theory and practice. Auditory perception in both normal and disordered systems are considered.

511 ELECTROPHYSIOLOGICAL TECHNIQUES IN AUDIOLOGY I**3 sem. hrs.**

Instruction and experiential training in basic electrophysiological testing, including both electrical and acoustic auditory responses, as well as basic instrumentation. Materials charge optional.

521 DIFFERENTIAL DIAGNOSIS IN AUDIOLOGY**3 sem. hrs.**

Administration and interpretation of audiometric procedures for differential diagnosis of auditory pathology emphasizing a test battery approach. Prerequisite: CSD 520.

522 ELECTROPHYSIOLOGICAL TECHNIQUES IN AUDIOLOGY II**2 sem. hrs.**

Instruction and experiential training in advanced electrophysiological techniques used in Audiological practice. Prerequisite: CSD 511 or consent of the instructor.

523 PEDIATRIC AUDIOLOGY**3 sem. hrs.**

Hearing disorders and audiological techniques in the pediatric population. Prerequisite: CSD 521 or consent of the instructor.

524 MEDICAL AUDIOLOGY**3 sem. hrs.**

Intensive study of medical correlates of hearing impairment, including medical and surgical intervention, pharmacology and ototoxicity, the effects of sedation on physiological measures and the pathogenesis of aural pathologies. Prerequisite: CSD 521.

526 AUDITORY PROCESSING AND DISORDERS**2 sem. hrs.**

Overview of human neuroanatomy and physiology of the central and peripheral nervous systems. Special study of the central auditory and vestibular connections. Review of current literature on normal pathological auditory processing and interventions. Prerequisite: CSD 521.

530 ACOUSTICS AND AMPLIFICATION TECHNOLOGY**3 sem. hrs.**

Basic acoustics and its application to amplification electronics including real-ear measurements, ANSI specifications, ear mold acoustics and modification parameters. Formerly AMPLIFICATION TECHNOLOGY.

531 AMPLIFICATION SELECTION AND FITTING**3 sem. hrs.**

Determining candidacy and benefit from amplification. Selection of appropriate amplification systems and options including assistive listening devices and implantable hearing aids. Materials charge optional. Prerequisite: CSD 530.

532 ADVANCED AURAL REHABILITATION: PEDIATRICS**2 sem. hrs.**

Overview of current management options for the (re) habilitation of children with hearing loss. Prerequisite: CSD 351.

533 ADVANCED AURAL REHABILITATION: ADULT-GERIATRIC**2 sem. hrs.**

Overview of current management options for the rehabilitation of adults with hearing loss. Review of literature pertaining to audiologic rehabilitation. Prerequisite: CSD 351.

536 IMPLANTABLE AUDITORY PROSTHESES**2 sem. hrs.**

Overview of knowledge and skills to work with implantable auditory proesthetics in clinical practice. Formerly CSD 580A01. Prerequisite: Consent of the instructor.

538 VESTIBULAR EVALUATION AND REHABILITATION**3 sem. hrs.**

Overview of vestibular anatomy and physiology. Procedures for assessment of the vestibular and balance systems and treatments for vestibular disorders. Prerequisite: Consent of the instructor.

540 PROFESSIONAL ISSUES IN AUDIOLOGY**2 sem. hrs.**

Review and analysis of professional issues impacting service delivery in communication sciences and disorders. Prerequisite: Consent of the instructor.

541 HEARING CONSERVATION**2 sem. hrs.**

Study of the effects of noise on the auditory system, noise measurement and hearing conservation programming. In addition, medical-legal aspects of hearing impairment are covered. Prerequisite: CSD 510 or consent of the instructor.

542 BUSINESS AND PRACTICE MANAGEMENT IN AUDIOLOGY**3 sem. hrs.**

Survey of audiology business practices and audiology clinic practice management. Prerequisite: Consent of the instructor.

580 ADVANCED SEMINAR IN AUDIOLOGY**2-6 sem. hrs.**

Specific or assigned topics explored. Multiple enrollments allowed if content is different, for a maximum of 6 credit hours (see the following topics). Prerequisite: Consent of the instructor.

580A04 SPECIAL TOPICS IN AUDIOLOGY**2 sem. hrs.**

Prerequisite: Consent of the instructor.

580A05 HUMANITARIAN OUTREACH IN AUDIOLOGY**2 sem. hrs.**

This is an advanced course on humanitarian outreach in audiology. Prerequisite: Consent of the instructor.

580A06 EDUCATIONAL AUDIOLOGY**2 sem. hrs.**

Overview of current educational management practices for children with hearing loss. Prerequisite: Consent of the instructor.

580A07 PSYCHOSOCIAL ASPECTS OF HEARING LOSS**2 sem. hrs.**

This is an advanced course on psychosocial aspects of hearing loss. Prerequisite: Consent of the instructor.

580A08 EVIDENCE-BASED PRACTICE IN AUDIOLOGY**2 sem. hrs.**

This is an advanced course on evidence-based practice (EBP) in Audiology that will be taught in both lecture and seminar format. Prerequisite: Consent of the instructor.

580A09 SEMINAR: AUDIOLOGY CASE REPORT PREPARATION**2 sem. hrs.**

Application of principles of case illustration and description. Preparation of reports for journal submission. Prerequisite: Consent of the instructor.

598 CLINICAL RESIDENCE IN AUDIOLOGY**6 sem. hrs.**

Advanced three-semester clinical practicum in an external site. Each residency is custom-tailored to interests of the trainee. May involve relocation or travel. Multiple enrollments allowed for a maximum of 18 semester hours. Prerequisite: Consent of the instructor.

ECONOMICS (ECO)**425 Stevenson Hall, (309) 438-8625****Economics.IllinoisState.edu****Chairperson:** David Cleeton.**Graduate Program Director:** Hassan Mohammadi.**Graduate Faculty:** Adhikari, Blanco, Chen, Cleeton, Dincer, Goel, Loomis, Mohammadi, Nikolaou, Ohler, Ram, Walbert, Waters, Zhang.**Programs Offered**

M.A./M.S. degree in Applied Economics with sequences in Applied Community and Economic Development, Electricity, Natural Gas, and Telecommunications Economics, and Financial Economics.

Program Requirements

All master's degree programs require a minimum of 50 percent of the non-thesis credit hours applied to the degree to be 400-level courses or above.

Applied Economics

This option is appropriate for students whose interests lie outside one of the applied fields noted above and for those who intend to pursue doctoral level studies in economics or a related discipline.

Option I—Non-Thesis: The 34 hour program includes:

- 19 hour core: ECO 437, 438, 439, 440, 441, 495
- 3 hours: ECO 492
- 9 hours in Economics electives at the 400 level
- 3 hours of additional electives at the 300 or 400 level within Economics and selected in consultation with the Graduate Program Director

Option II—Thesis: The 34 hour program includes:

- 19 hours: ECO 437, 438, 439, 440, 441, 495
- 6 hours: Thesis ECO 499
- 6 hours in Economics electives at the 400 level
- 3 hours of additional electives at the 300 or 400 level within or outside Economics and selected in consultation with the Graduate Program Director

Applied Community and Economic Development Sequence

The Applied Community and Economic Development (ACED) sequence is designed for returned Peace Corps Volunteers, and students with equivalent domestic or international experience with other agencies. This 34 hour program includes: