

COMMUNICATIVE DISORDERS

College of Health and Human Services

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Advisors:

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Clinic Director: Geraldine P. Wallach

Technician: Rodney Pau

Department Administrator: Susan McNamara

Career Possibilities

Speech-Language Pathologist • Speech-Language Pathology Assistant • Audiologist • Vocational Rehabilitation Counselor • Supervisor of Special Education (For more information, see www.careers.csulb.edu.)

Introduction

The Communicative Disorders Department provides undergraduate coursework for students planning careers in speech-language pathology or audiology. Departmental majors may complete work leading to the Bachelor of Arts degree in Communicative Disorders and Master of Arts degree in Communicative Disorders with a Specialization in Speech-Language Pathology. Students who earn the Master's degree qualify for the Certificate of Clinical Competence in Speech-Language Pathology from the American Speech-Language-Hearing Association, the Speech-Language Pathology Services Credentialing, and the State of California Commission for Teacher Credentialing, and the State of California Licensure in Speech-Language Pathology. Students pursuing the B.A. degree may qualify for State of California Licensure as a Speech-Language Pathology Assistant.

The department maintains a language, speech and hearing clinic to serve as a clinical and research laboratory on campus for both graduate and undergraduate students. Field placements are available in local hospitals, rehabilitation agencies, language/speech/hearing clinics, and public schools.

Prospective students must attend a group advising meeting presented monthly by the undergraduate advisor and AARC (Academic Advising and Resource Center). Once students have declared Communicative Disorders as their major, they will be required to meet with an advisor in AARC once each semester.

The Department of Communicative Disorders at CSULB is fully accredited, by the Council on Academic Accreditation of the American Speech-Language-Hearing Association.

Undergraduate Programs

Bachelor of Arts in Communicative Disorders (120 units)

Admission Under Impaction

Refer to the following website for additional impaction criteria: http://www.csulb.edu/depts/enrollment/admissions/impacted_major.html.

Requirements

Lower Division:

Take all the following courses:

C D 261 Anatomy and Physiology of the Speech and Hearing Mechanism (3)

Prerequisites: None

C D 271 Phonetics (3)

Prerequisite: None

PSY 210 Introductory Statistics (or equivalent) (4)

Prerequisites: PSY 100, GE A1 requirement, and eligible to take a General Education Mathematics course.

Upper Division:

Take all the following courses:

C D 329 Introduction to Language Acquisition (3)

Prerequisites: CD 271. For majors only.

C D 330 Speech and Hearing Science (3)

Prerequisites: CD 261 and CD 271.

C D 373 Audiology I (3)

Prerequisites: CD 261.

C D 431 Pediatric Audiology (3)

Prerequisites: CD 261 and 373.

C D 432 Audiology II (3)

Prerequisites: CD 261 and 373.

C D 440 Aural Rehabilitation for Hearing Impaired (3)

Prerequisites: CD 261 and 373.

C D 456 Speech Pathology I: Disorders of Phonology (3)

Prerequisites: CD 261 and 271.

C D 460 Speech and Language Assessment of

Linguistically and Culturally Diverse Clients (3)

Prerequisites: CD 271.

C D 466 Speech Pathology II: Speech Motor Disorders (3)

Prerequisites: CD 261, 271, and 330.

C D 472 Alternative & Augmentative Communication (3)

Prerequisites: CD 261 and 329.

C D 476 Speech Pathology III: Disorders of Voice/

Oro-Facial Mechanism (3)

Prerequisites: CD 261 and 329.

C D 477 Disorders of Swallowing (3)

Prerequisites: CD 261.

C D 481A Speech Pathology IV: Disorders of Language,

Children (3)

Prerequisites: CD 271 and 329.

C D 481B Speech Pathology IV: Disorders of Language,

Neuropathologies (3)

Prerequisites: CD 261 and 329.

C D 483 Assessment of Monolingual and Bilingual Clients (3)

Prerequisites: CD 261, 271, 329, and 330.

C D 489 Management of Monolingual and Bilingual Clients (3)

Prerequisites: CD 456, 466, 476, 481A, 481B and 483. CD 456, 466, 481A and 481B may be taken concurrently.

Graduate Programs

Master of Arts in Communicative Disorders

Admission to the Graduate Program

Enrollment in 500/600 level courses in communicative disorders is restricted to students who have been accepted to one of the graduate programs (traditional or cohort) of the department as unconditionally classified students. Students wishing to be admitted must complete the following procedures:

1. Students must meet the criteria for acceptance by the University as a graduate student;
2. Every student (new or continuing) must apply directly to the university through CSU Mentor. CSU Mentor applications are processed by the university online at <http://www.csumentor.edu/>. Original transcripts and GRE scores must be sent directly to the university. The department will access these transcripts electronically for department evaluation. All materials to the university must be received no later than December 15th;
3. Students applying to the traditional or special cohort M.A. program, then must apply to the Department of Communicative Disorders for admission to the graduate program using the department application form. This form must be filed with the graduate advisor by December 15th for admission in the subsequent fall semester. The following supportive materials must be filed with the department admission application:

A. Change of objective form available at department office (continuing CSULB students only);

B. One-page summary of relevant work, volunteer or research experience, with name and contact information for corroborating professional.

NOTE: Minimum Criteria 1) a GPA of 3.0 or better in the last 60 units of coursework, including Communicative Disorders coursework; and 2) confirmation of acceptable GPA obtained during the final senior semester.

Any course deficiencies will be determined by the department graduate committee after consultation with the student and the student's faculty advisor. Students applying to the graduate program in Communicative Disorders will have completed one of the two prerequisites listed in the next section prior to enrollment in graduate classes.

Prerequisites

1. A bachelor's degree from an accredited institution with a major in communicative disorders (speech and hearing science, etc.); or

2. A bachelor's degree from an accredited institution in a discipline other than Communicative Disorders. The applicant must have at least 36 units of course work in CD before enrollment in the graduate program. Students may apply to the University and department as a M.A. Preparatory Program student to complete all of the required undergraduate courses prior to applying to one of the graduate programs in Communicative Disorders.

Advancement to Candidacy

In order to be advanced to candidacy for a Master's degree, a student must meet the following criteria:

1. enrollment in the semester or summer session in which advancement takes place;
2. satisfactory completion of C D 696 Research Methods: Applied and Basic (3) and three additional units;
3. satisfactory fulfillment of the CSULB Graduation Writing Assessment Requirement (GWAR). The GWAR must be fulfilled before the student is advanced to candidacy;
4. maintenance of a GPA of at least 3.0 in (a) all graduate work completed in Communicative Disorders, (b) all graduate work completed at CSULB, and (c) all graduate work transferred to meet graduation requirements with no grade below "C";
5. filing of the student Program for the Master of Arts Degree in Communicative Disorders after completion of items 2-5;
6. the Department's standard written program of graduate courses approved by the student's department advisor, the department graduate advisor, the department chairperson, and the College of Health and Human Services Associate Dean. (This form is known as the Advancement to Candidacy form.)

Requirements

Forty-one (41) units of course work are required:

Take all of the following courses:

C D 661 Traumatic Brain Injury Across the Lifespan (3)
Prerequisites: CD 696.

C D 662 Seminar in School-Age Language Disorders: Grade 1 through High School (3)
Prerequisites: CD 456, 481A and 696.

C D 663 Seminar in Preschool Language Disorders: 0-5 Years (3)
Prerequisites: CD 456 and 481A. Corequisite: CD 696.

C D 665 Seminar in Language Disorders in Adults (3)
Prerequisites: CD 481B, 696.

C D 666 Seminar: Speech Motor and Swallowing Disorders (3)
Prerequisites: CD 466, 696.

C D 667 Seminar: Autism Spectrum Disorders (3)
Prerequisites: None.

C D 669A Clinical Practice: Phonological Disorders (2)
Prerequisites: CD 489; Prerequisite/Corequisites: CD 663 and consent of instructor.

C D 669B Clinical Practice: Autism Spectrum Disorders (2)
Prerequisites: CD 667.

C D 669C Clinical Practice: Language Delayed/Disordered Children (2)

Prerequisites: CD 483, 489; Prerequisite/Corequisites: CD 662 and consent of instructor.

C D 669F Clinical Practice: Speech Motor Disorders (2)
Prerequisites: CD 489; Prerequisite/Corequisites: CD 666 and consent of instructor.

C D 669J Clinical Practice: Language Disordered Adults (2)
Prerequisites: CD 489; Prerequisite/Corequisites: CD 665 and consent of instructor.

C D 669L Clinical Practice: Linguistically Different Clients (2)
Prerequisites: 1) Completion of all disorder-specific graduate seminars; 2) completion of a minimum of 3 core clinics (C D 669 A-J); 3) C D 483 and 489, or equivalent as approved by the instructor) and consent of instructor.

C D 696 Research Methods: Applied and Basic (3)
Prerequisites: PSY 210 or equivalent or consent of instructor.

Take at least one of the following courses:

C D 670 Internship in Speech & Language Pathology (5)
Prerequisites: CD 669A or C, D, F, G and J with a GPA of 3.0.

C D 686A Advanced Field Studies with Communication Handicapped (5)
Prerequisites: Passing of CBEST, completion of CD 662, 664, 665, 666 and all but one of the following: CD 669A, 669C, 669D, 669F, 669J.

Choose one of the following options:

C D 695 Directed Readings and a 2-unit elective (C D 575 recommended)
Prerequisites: Consent of instructor.

C D 698 Thesis
Prerequisites: Advancement to candidacy for master's degree.

Within the context of the C D 669L clinical course, the student will complete a minimum of 25 hours of clinical experience under appropriate supervision with a client determined to be of a language or dialect different from that of the student clinician.

C D 483 and 489 and/or C D 460, or equivalent content, are prerequisite to C D 669L.

Students who are bilingual and biliterate in English and another language may be eligible for clinical practice using their non-English language, within the C D 669L practicum.

Regulations governing the preparation and eligibility for the administration of comprehensive examination options are available in the Department Office. Departmental regulations concerning preparation of theses are also available in the office.

Communicative Disorders Master's Preparatory Program

This is a self-support program which allows students with a B.A./B.S. in a field other than Communicative Disorders to complete the undergraduate prerequisites needed to apply to a Master's program in Communicative Disorders. This program allows students to complete a total of 36 units in Communicative Disorders in one year, across three consecutive semesters. Upon completion of this program, students will be eligible for application to the department's traditional or special cohort M.A. programs (or to a master's program at another institution). Please note that students applying to other institutions for completion of a Master's in Communicative Disorders must confirm acceptance of the prerequisites offered in this program. The department cannot guarantee that other institutions will accept these prerequisites in total.

Students admitted to this program will enroll as a cohort and complete 12 units (4 courses) per semester. Courses will be offered solely through the College of Continuing and Professional Education (CCPE) at tuition determined by CCPE. Enrollment in coursework in this program is reserved for the preparatory program students. Courses in this program will be offered in the late afternoon and/or evenings. Students interested must enroll full-time and must complete coursework as a cohort. In addition, transfer units are not accepted in lieu of completion of the 36 units required for this program. Students enrolled in this program are not eligible to enroll in courses offered in department's undergraduate or graduate programs.

This program admits students once per year. Students interested in applying to this program must:

1. Send a completed application to: The M.A. Preparatory Program Director, Department of Communicative Disorders - LAB, California State University, Long Beach, 1250 Bellflower Boulevard, Long Beach, CA, 90840. All applications must be received by the Department no later than February 15th (for enrollment the following Fall semester). Applications received after this due date will not be accepted. GRE scores, resumes, and letters of recommendations are not required for admission to this program and will not be considered in the admission process, thus students are urged to omit them from their applications.
2. Apply directly to the University through CSU Mentor. CSU Mentor applications are processed by the University on-line at: <http://www.csumentor.edu/>. Original transcripts must be sent directly to the University. The Department will access these transcripts electronically for Department evaluation. All materials to the University must also be received no later than February 15th. NOTE: Admission to this program does not guarantee acceptance or give the student undue preference in acceptance to the Department's Master's Programs in Communicative Disorders. A separate application is required for enrollment as a Master's student, once prerequisites have been completed.

Credential for Service in Public Education Speech-Language Pathology Services Credential (code 912)

Candidates must:

1. Complete the master's degree in speech-language pathology.
2. Complete the following courses:
 - EDSP 350 Education of Exceptional Individuals (3)
Prerequisites: None.
 - CD 575 Educational Topics in Speech-Language Pathology (2)
Prerequisites: None.
 - C D 483 Assessment of Monolingual and Bilingual Clients (3)
Prerequisites: CD 261, 271, 329 and 330.
 - C D 489 Management of Monolingual and Bilingual Clients (3)
Prerequisites: CD 456, 466, 476, 481A, 481B and 483. CD 456, 466, 481A and 481B may be taken concurrently

C D 686A Advanced Field Studies with Communication Handicapped (5)

(in order to complete a minimum of 100 contact hours as a Speech-Language Specialist trainee in school setting)
Prerequisites: Passing of CBEST, completion of CD 662, 664, 665, 666 and all but one of the following: CD 669A, 669C, 669D, 669F, 669J.

Communicative Disorders Courses (C D)

LOWER DIVISION

60. Selected Topics in Communicative Disorders (1)

Prerequisite: Consent of instructor.

Speech, language and hearing therapy to students enrolled in the University.

May be repeated to a maximum of 2 units. Topics announced in the *Schedule of Classes*.

261. Anatomy and Physiology of the Speech and Hearing Mechanism (3)

Anatomical, physiological and neurological components of the speech and hearing mechanism. Designed for students planning to enter the clinical program in communicative disorders.

Letter grade only (A-F).

271. Phonetics (3)

Phonetic basis of speech sounds and the various factors which influence pronunciation. Consideration is given to linguistic variations, regional dialects and standards.

Letter grade only (A-F). (Discussion 2 hours, Laboratory 3 hours.)

UPPER DIVISION

329. Introduction to Language Acquisition (3)

Prerequisite: C D 271. For majors only.

Introduction to the study of the acquisition of first and second languages. Linguistic perspectives on the development of phonological, syntactic, semantic, and pragmatic aspects of language. The influence of developmental stages and social and cultural factors on the individual.

Letter grade only (A-F). Not open for credit to students with credit in LING 329.

330. Speech and Hearing Science (3)

Prerequisites: C D 261 and 271.

Course Description: Examination of the anatomical, physiological, psychological and acoustic aspects of speech. Through readings, discussions, videos, and interactive software the student is expected to become more aware and analytical of the instrumentation and scientific basis of production and perception of speech.

Letter grade only (A-F). (Lecture/discussion)

373. Audiology I (3)

Prerequisite: C D 261.

Introduction to audiology; acoustics, anatomy and physiology of the ear, pure-tone audiometry/masking, speech audiometry/masking, principles of taking a case history, and report writing.

Letter grade only (A-F).

431. Pediatric Audiology (3)

Prerequisites: C D 261 and 373.

Sources of hearing impairment (HI) in children birth through school age. Nature of HI in children and effects on communicative function. Procedures for identification (screening), assessment, and intervention (including parent counseling) for HI children.

Letter grade only (A-F). (Discussion 2 hours, laboratory 3 hours)

432. Audiology II (3)

Prerequisites: C D 261 and 373.

Anatomy/pathology/ evaluation of the (1) outer and middle ears, (2) inner ear, (3) central auditory system, and (4) functional hearing loss, taking case history, and report writing.

Letter grade only (A-F).

440. Aural Rehabilitation for the Hearing Impaired (3)

Prerequisites: C D 261 and 373.

Nature of hearing impairment and impact on communicative function. Procedures for assessment and management of hearing loss, including amplification, counseling, and self-report scales. Focus is primarily adult clients but will include some information regarding children.

Letter grade only (A-F).

456. Speech Pathology I: Disorders of Phonology (3)

Prerequisites: C D 261, 271.

Etiology, assessment and treatment of disorders of phonology.

Letter grade only (A-F).

460. Speech and Language Assessment of Linguistically and Culturally Diverse Clients (3)

Prerequisite: C D 271.

Provides understanding of non-discriminatory assessment process for linguistically and culturally diverse clients referred for speech-language assessment. Includes information relative to cultural differences, use of interpreters/translators, biases of assessment, and differential diagnoses, such as language disorder versus language difference.

Letter grade only (A-F).

462. Speech-Language Pathology Assistant (SLPA) Practicum (3)

Prerequisite: At least 33 units in communicative disorders completed with a grade of "B" or better.

For students interested in receiving a license to work as a SLPA. Weekly lectures covering the laws, practices and ethics governing SLPAs and 70 hours of supervised undergraduate clinical practicum.

Letter grade only (A-F).

466. Speech Pathology II: Speech Motor Disorders (3)

Prerequisites: C D 261, 271, and 330.

Etiology, assessment, and therapy for disturbances of the speech motor system with emphasis on the neuroanatomical, neurophysiological, psychological, and linguistic variables correlated to aberrant behaviors.

Letter grade only (A-F).

472. Alternative and Augmentative Communication (3)

Prerequisites: C D 261 and 329.

An understanding of relevant topics in alternative and augmentative communication (AAC), assistive technology (AT); assessment and management of patients with severe communication impairments. Topics will include a variety of disabilities in both pediatric and adult patients, across varying communication environments.

Letter grade only (A-F).

476. Speech Pathology III: Disorders of Voice/Oro-facial Mechanism (3)

Prerequisites: C D 261 and 329.

Processes of phonation and resonance and their application to etiology, diagnosis and therapy of functional and organic voice disorders, such as those arising from laryngeal pathology, vocal abuse, neurological impairment, auditory impairment and oro-facial abnormalities.

Letter grade only (A-F).

477. Disorders of Swallowing (3)

Prerequisite: C D 261.

Anatomy, physiology, and neuroanatomy of normal swallowing. Neurological and oncologic disorders which affect the swallow process. Evaluation of the patient with dysphagia will include clinical and instrumental analysis. Treatment plans based on history and evaluative results will be designed and examined.

Letter grade only (A-F).

481A. Speech Pathology IV: Disorders of Language (3)

Prerequisites: C D 271 and 329.

An analysis of the components of language and how each is involved with language disorders in children. Provide for the understanding and recognition of variables for the assessment and clinical management of such children.

Letter grade only (A-F).

481B. Speech Pathology IV: Disorders of Language Neuropathologies (3)

Prerequisites: C D 261 and 329.

Neurophysiological and neurolinguistic basis for language and speech disorders associated with central nervous system pathologies. Provides for the recognition and understanding of variables for the assessment and clinical management of such disorders.

Letter grade only (A-F).

483. Assessment of Monolingual and Bilingual Clients (3)

Prerequisites: C D 261, 271, 329, and 330.

Principles underlying assessment procedures in speech language disorders for both monolingual and bilingual clients. Focus is on the cultural and linguistic variables affecting standardized and non-standardized assessment procedures.

Letter grade only (A-F). (Discussion 2 hours, laboratory 3 hours)

489. Management of Monolingual and Bilingual Clients (3)

Prerequisites: C D 456, 466, 476, 481A, 481B, and 483. C D 456, 466, 481A, and 481B may be taken concurrently.

Management of speech and language disorders for monolingual, bilingual, and/or bicultural clients. Relationship of assessment to management, formulation of goals, objectives, task analyses and maintenance. 25 hours observation in schools, campus clinic, and hospital/rehabilitation settings.

Letter grade only (A-F). (Discussion 2 hours, laboratory 3 hours)

491. Proctoring in Communicative Disorders (2-3)

Students shall engage in peer teaching and examination scoring in undergraduate courses under the specific direction of the course instructor.

Open only to students who have achieved the grade of "A" in the course in which they are serving as proctor. May be repeated to a maximum of 6 units.

499. Directed Studies in Communicative Disorders (1-3)

Prerequisite: Consent of instructor.

Independent study under supervision of a faculty member.

May be repeated to a maximum of 6 units. Not acceptable for graduate credit toward the master's degree.

GRADUATE LEVEL

575. Educational Topics in Speech-Language Pathology (2)

Review current issues, legislation and the role of SLPs in public school settings, including service delivery, school reform, accountability, and eligibility criteria. Special consideration given to collaboration and the use of content standards in goal setting and curriculum intervention.

Letter grade only (A-F).

590. Selected Topics in Communicative Disorders (1-3)

Topics from the most recent developments and issues in speech-language pathology and audiology.

May be repeated to maximum of 3 units with different topics. Topics announced in the *Schedule of Classes*.

661. Traumatic Brain Injury Across the Lifespan (3)

Prerequisite: C D 696.

Neurophysiological basis for cognitive and communicative impairments associated with traumatic brain injury (TBI). Addresses rehabilitation research specific to TBI in children and adults.

Letter grade only (A-F).

662. Seminar in School-Age Language Disorders: Grade 1 through High School (3)

Prerequisites: CD 456, 481A and 696.

Components of spoken and written communication and language are examined in children and adolescents with diverse, academically-based language learning disabilities. Major approaches to literacy and curricular-based intervention explored.

Letter grade only (A-F).

663. Seminar in Preschool Language Disorders: 0-5 Years (3)

Prerequisites: CD 456 and 481A. Corequisite: CD 696.

Components of communication, language, speech and pre- and emergent literacy are examined in preschool children with diverse problems across all aspects of language learning. Evidence-based techniques and approaches to language intervention are explored.

Letter grade only (A-F).

664. Seminar in Disorders of Voice and the Oro-facial Mechanism (3)

Prerequisites: C D 476, 696.

Selected problems in voice disorders through an investigation of the literature and clinical research.

Letter grade only (A-F).

665. Seminar in Language Disorders in Adults (3)

Prerequisites: C D 481B, 696.

Provides an understanding of neuropathological substrates of language disorders in adults resulting from brain damage. Provides for the recognition and assessment of the syndromology and clinical aspects of adult language disorders relative to current research.

Letter grade only (A-F).

666. Seminar in Speech Motor and Swallowing Disorders (3)

Prerequisites: C D 466, 696.

Historical and current research and its effect upon the assessment and management of speech motor and swallowing disorders.

Letter grade only (A-F).

667. Seminar in Autism Spectrum Disorders (3)

Historical perspectives, assessment procedures, intervention approaches, and parent training programs for management of clients diagnosed with Autism Spectrum Disorders.

Letter grade only (A-F).

669A. Clinical Practice in Phonological Disorders (2)

Prerequisites: C D 489; Prerequisite/Corequisites: C D 663 and consent of instructor.

Student conducts assessment of phonological disorders and management of therapy, under supervision, with clients in the university speech and hearing clinic. Students handle all aspects of clinical program including initial interviews, parent counseling, and testing.

Letter grade only (A-F).

669B. Clinical Practice – Autism Spectrum Disorders (2)

Prerequisite: C D 667.

Provides students with the opportunity to gain hands-on experience in assessing and managing clients diagnosed with Autism Spectrum Disorders.

Letter grade only (A-F). (2 hrs lecture, 2 hrs clinic)

669C. Clinical Practice With Language Delayed/Disordered Children (2)

Prerequisites: C D 483, 489; Prerequisite/Corequisites: C D 662 and consent of instructor.

Students provide assessment and management of preschool and school-age children with identified delays/disorders. Under supervision, the practicum includes standardized and non-standardized assessment, parent interviews and conferences, development and implementation of a management program and report writing.

Letter grade only (A-F).

669D. Clinical Practice with Voice and Oro-facial Mechanism Disorders (2)

Prerequisites: C D 489; Prerequisite/Corequisites: C D 664 and consent of instructor.

Student conducts therapy sessions under supervision for persons with functional and/or organic voice disorders. Practicum includes initial interviews, diagnostics, therapy program planning, counseling and report writing.

Letter grade only (A-F).

669F. Clinical Practice with Speech Motor Disorders (2)

Prerequisites: C D 489; Prerequisite/Corequisites: C D 666 and consent of instructor.

Assessment planning and management in a supervised clinical experience with persons who have speech motor disorders.

Letter grade only (A-F). (2 hrs lecture, 2 hrs clinic)

669H. Clinical Practice-Special Programs (2)

Prerequisites: At least one of the C D 669A through J courses.

Specialized practice placement to obtain experience with speech, language, and hearing disorders.

May be repeated to a maximum of 4 units. Letter grade only (A-F).

669J. Clinical Practice with Language Disordered Adults (2)

Prerequisites: C D 489; Prerequisite/Corequisites: C D 665 and consent of instructor.

Student conducts clinical management sessions, under supervision, for adults with neurological language disorders. Practicum includes initial interviews, assessment, management program planning, counseling and report writing, and application of research findings to the clinical process.

Letter grade only (A-F).

669L. Clinical Practice with Linguistically Different Clients (2) F, S

Prerequisites: 1) Completion of all disorder-specific graduate seminars; 2) completion of a minimum of 3 core clinics (C D 669 A-J); 3) C D 483 and 489, or equivalent as approved by the instructor) and consent of instructor.

Assessment/management of speech-language disorders in clients whose native language is different than that of the clinician. Training of bilingual interpreters.

Minimum 25 clock hours required. Letter grade only (A-F).

670. Internship in Speech and Language Pathology (5)

Prerequisites: C D 669A or C,D,F,G, and J with a GPA of 3.0.

Advanced clinical supervised practice with speech and language disordered persons in either a hospital, rehabilitation agency or speech and language center.

Letter grade only (A-F).

680. Internship in Audiology (5)

Prerequisites: C D 669A or B or C or consent of the instructor.

Advanced clinical practice in audiology with hearing impaired persons in a community facility.

Letter grade only (A-F).

686A. Advanced Field Studies with Communication Handicapped (5)

Prerequisites: Passing of CBEST, completion of C D 662, 664, 665, 666 and all but one of the following: C D 669A, 669C, 669D, 669F, 669J.

Clinical Rehabilitation Services, Language Speech and Hearing Specialist candidates participate in supervised clinical practicum in an off-campus itinerant speech and language setting(s) for the equivalent of one semester earning 5 units of field study. Enrollment by application to the Communicative Disorders Department only.

Credit/No Credit grading only. (Fieldwork)

695. Directed Readings (1-3)

Prerequisite: Consent of instructor.

Readings in communication sciences/disorders.

Required of all candidates for the master's degree not electing the thesis option.

Under special circumstances, may be repeated to a maximum of 6 units. Letter grade only (A-F).

696. Research Methods: Applied and Basic (3)

Prerequisite: PSY 210 or equivalent or consent of instructor.

Professional issues related to research and clinical settings. Application of scientific method, experimental design (group and single subject) and related statistical methods (parametric and non-parametric). Evaluate literature in the field.

(Lecture 3 hours.) Letter grade only (A-F).

697. Directed Research (1-3)

Prerequisite/Corequisites: C D 696 and consent of instructor.

Independent research under supervision of a faculty member.

Letter grade only (A-F).

698. Thesis (1-4)

Prerequisites: Advancement to candidacy for master's degree.

Preparation, completion and submission of an acceptable thesis in partial fulfillment of the requirements for the master's degree.