COMMUNICATIVE DISORDERS
College of Health and Human Services

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Department Administrator: Patricia Fabian

Career Possibilities
Speech-Language Pathologist • Speech-Language Pathology Assistant • Vocational Rehabilitation Counselor • Supervisor of Special Education (Some of these, and other careers, require additional education or experience. For more information, see www.careers.csulb.edu.)

Introduction
The Communicative Disorders Department provides undergraduate course work 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 Clinical Rehabilitation Services Credential from the 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.

Students desiring information should contact the department office for referral to one of the faculty advisors: Undergraduate Advisor, Graduate Advisor, Field Service Coordinator, and Clinic Director.

The Department of Communicative Disorders at CSULB is fully accredited through 2011, by the Council on Academic Accreditation of the American Speech-Language-Hearing Association.

Undergraduate Programs

Bachelor of Arts in Communicative Disorders (code CD_BA01) (120 units)
Students desiring a Bachelor of Arts degree in Communicative Disorders must complete the following required courses:
Lower Division: C D 261, 271; PSY 110 or equivalent.

Credentials for Service in Public Education

Clinical-Rehabilitative Services Language, Speech and Hearing Specialist Credential (code 901)
Candidates must:
1. Complete the master’s degree in speech-language pathology.
2. Complete EDSP 350 and 564; C D 483, 489, 686A (Field Experience(s) in order to complete 100 contact hours as a Language, Speech and Hearing Specialist trainee in the school setting).

Clinical-Rehabilitative Services Audiologist Credential (code 903)
Candidates must:
1. Complete the master’s degree in audiology.
2. Complete EDSP 350; C D 280, 281, 689G, and 680 (internship to be completed in the schools in order to complete 100 contact hours as an Audiologist trainee in a public school environment.)

Clinical-Rehabilitative Services Language, Speech and Hearing Specialist Credential with Special Class Authorization to Teach Language Disordered Children (code 910)
Candidates must:
1. Complete the master’s degree in speech pathology.
2. Complete EDSP 350 and 564; C D 483, 489; EDEL 550, 586A; EDCl 560, 570.

Graduate Programs

Master of Arts in Communicative Disorders (code CD_MA01)
Admission to the Graduate Program
Enrollment in 500/600 level courses in communicative disorders is restricted to students who have been accepted to the graduate program of the department as
unconditionally classified. 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 to the Office of Admissions and Records to obtain admission to the University with graduate standing;
3. Every student 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 March 1 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. Official transcripts of all undergraduate and graduate work. (These transcripts are in addition to those required by the Office of Admissions and Records.) These transcripts should reflect the following minimum criteria:
      (1) a GPA of 3.0 or better in the last 60 units of coursework; and
      (2) confirmation of acceptable GPA obtained during the final senior semester.
   (3) one-page summary of relevant work, volunteer or research experience, with name and contact information for corroborating professional.
   NOTE: 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 33 units of course work by the first semester of admission to the graduate program in speech science or speech pathology, including courses in (a) anatomy and physiology, (b) phonetics, and (c) speech and hearing science. If student has not completed sufficient units or courses to meet this requirement, he/she may enroll in the University as a conditionally classified graduate student to complete the required undergraduate courses prior to applying to the Graduate Program in Communicative Disorders.
   Although the student may apply to the Graduate Program with a minimum of 33 units in Speech-Language-Hearing, all courses required for the B.A. in Communicative Disorders at CSULB (with the exception of C D 431 and 432), or equivalent courses, must be completed before the M.A. in Communicative Disorders will be awarded.

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 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.

Requirements

Forty-one (41) units of course work are required: C D 696, 662, 663, 664, 665, 666, 669A, 669C, 669D, 669F, 669G, 669J, 669L, C D 670 or C D 666A, and C D 698 or 695 (Comprehensive Examinations) plus a three-unit elective. 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.

Courses (C D)

LOWER DIVISION

60. Special Topics (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.

260. Introduction to Communicative Disorders (3)


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.

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. (Lecture 2 hours, laboratory 2 hours.)
280. Sign Language (3)
Sign Language and Non-Vocal Communication System. Origin, development and principles of sign language. Practice with American Manual Alphabet, American Sign Language and Signing Exact English to provide basic conversational skills; other sign systems and modes of non-vocal communication are discussed.
Prerequisite: C D 280.
Continuation of C D 280 with emphasis on development of receptive/expressive skills and building of vocabulary. Introduction into use of sign language in educational and therapy settings. Discussion of philosophical and cultural aspects of the deaf community. Required for school audiology credential. Letter grade only (A-F).

UPPER DIVISION

329. Introduction to Language Acquisition (3)
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). Same course as LING 329.

330. Speech and Hearing Science (3)
Prerequisite: CD 261.
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. (Lecture/discussion) Letter grade only (A-F).

373. Audiology I (3)
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.

431. Pediatric Audiology (3)
Prerequisite: C D 373.
Source 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. (Lecture 2 hours, laboratory 3 hours.)

432. Audiology II (3)
Prerequisites: C D 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.

440. Aural Rehabilitation for the Hearing Impaired (3)
Prerequisites: C D 373 and 431 or 432.
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.

456. Speech Pathology I: Disorders of Phonology (3)
Prerequisites: CD 261, 271.
Etiology, assessment and treatment of disorders of phonology. (Lecture/discussion) Letter grade only (A-F).

460. Speech and Language Assessment of Linguistically and Culturally Diverse Clients (3)
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/translations, biases of assessment, and differential diagnoses, such as language disorder versus language difference. (Lecture/discussion) Letter grade only (A-F).

466. Speech Pathology II: Speech Motor Disorders (3)
Prerequisites: CD 261, 271, 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: CD 261, CD 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. (Lecture/discussion) Letter grade only (A-F).

476. Speech Pathology III: Disorders of Voice/Oro-facial Mechanism (3)
Prerequisites: CD 261, CD 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. (Lecture/discussion) Letter grade only (A-F).

477. Disorders of Swallowing (3)
Prerequisite: CD 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. (Lecture/discussion) Letter grade only (A-F).

481A. Speech Pathology IV: Disorders of Language (3)
Prerequisites: CD 271, 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. (Lecture/discussion) Letter grade only (A-F).

481B. Speech Pathology IV: Disorders of Language Neuropathologies (3)
Prerequisites: C D 261, 330.
Neuropsychological 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. (Lecture/discussion) Letter grade only (A-F).

483. Assessment of Monolingual and Bilingual Clients (3)
Prerequisites: CD 261, 271, 329, 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. (Lecture 2 hours, Laboratory 3 hours.) Letter grade only (A-F).
489. Management of Monolingual and Bilingual Clients (3)
Prerequisites: CD 483. Prerequisites or corequisites: At least 4 of the following: CD 456, 466, 476, 481A, 481B.
Management of speech and language disorders for monolingual, bilingual, and/or bilingual 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.
(Lecture 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

530. Audiological Instrumentation (3)
Prerequisite: Consent of instructor.
Acoustics/decibel, psychoacoustics, calibration of pure-tone and speech audiometers, sound field calibration, industrial audiology and noise measurement.
(Lecture 1 hour, laboratory 6 hrs.) Letter grade only (A-F).

574. Hearing Aids (3)
Prerequisite: Consent of instructor
Electro-acoustic characteristics, hearing aid evaluation in children and adults, probe tube measurements, earmolds, binaural hearing aids, CROS and its modifications, batteries, assistive listening devices, hearing aid orientation and counseling, cochlear implants, classroom amplification and audiology, hearing aid dispensing.

590. Advanced Topics and Current Issues in Communicative Disorders (1-3)
Selected topics from the most recent developments and issues in speech-language pathology and audiology. Course content will vary with each offering.
May be repeated to a maximum of 3 units with different topics. Topics will be announced in the Schedule of Classes.

662. Seminar in Language Disorders in Children (3)
Prerequisite: CD 481A, 486.
Components of language, cognitive and perceptual abilities and communication are examined in children with normal and impaired language development. Major approaches to language intervention are discussed.
Letter grade only (A-F).

663. Seminar in Disorders of Phonology (3)
Prerequisites or corequisite: CD 456.
Letter grade only (A-F).

664. Seminar in Disorders of Voice and the Oro-facial Mechanism (3)
Prerequisites: CD 476, 496.
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: CD 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: CD 466, 696.
Historical and current research and it's 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).

668A. Clinical Practice in Phonological Disorders (2)
Prerequisites: CD 489; prerequisite or corequisite: CD 653 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, patient counseling, and testing.
Letter grade only (A-F).

668B. Clinical Practice – Autism Spectrum Disorders (2)
Prerequisite: CD 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). (3 hrs lecture, 2 hrs clinic)

668C. Clinical Practice With Language Delayed/Disordered Children (2)
Prerequisites: CD 483, 489; prerequisite or corequisite: CD 682 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).

668D. Clinical Practice with Voice and Oro-facial Mechanism Disorders (2)
Prerequisites: CD 489; prerequisite or corequisite: CD 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).

668F. Clinical Practice with Speech Motor Disorders (2)
Prerequisites: CD 495; pre- or corequisite: CD 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)

668G. Clinical Practice in Audiology (2)
Prerequisites: CD 431, 432, 440, and consent of the instructor.
Student will conduct individual and group therapy with hearing impaired clients, as well as audiological evaluation of hearing impaired persons.
Letter grade only (A-F).
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 or corequisite: C D 685 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).

669K. 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 (CD 669 A-J); 3) CD 483 and 489, or equivalent as approved by the instructor and consent of instructor. Assessment/public 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 669, 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).

673. Assessment of Outer, Middle, and Inner Ears (3)
Prerequisite: Consent of instructor. Advanced masking concepts, anatomy/physiology/pathology of the outer-middle-inner ears, immittance testing, calibration of immittance meters, functional hearing loss. Letter grade only (A-F).

674. Seminar in Audiology: Current Topics in Hearing and Hearing Aid Evaluation (3)
Prerequisite: Consent of instructor. Review of literature regarding contemporary topics. Focus on amplification (e.g., hearing aids), assessment and management of hearing loss in adults and children. Emphasis on student participation and collaboration. Literature review and presentation required. May be repeated to a maximum of 6 units. Letter grade only (A-F).

675. Assessment of Central Auditory Nervous and Vestibular Systems (3)
Prerequisite: Consent of instructor. Anatomy/physiology/pathology of the 8th cranial nerve, vestibular system, brainstem, and central auditory system; auditory evoked potentials, calibration of auditory evoked systems, tone decay, Bekesy; SISI, ABL, electroencephalography, functional hearing loss. Letter grade only (A-F).

679. Practicum in Audiology (2-10)
Prerequisites: CD 431, 432, 440 or consent of instructor. Student conducts evaluation and rehabilitation of persons with hearing disorders. May be repeated to a maximum of 10 units. Letter grade only (A-F).

680. Internship in Audiology (5)
Prerequisites: CD 669A or B or C, 679 and 680G, 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 CD 662, 664, 665, 666 and all but one of the following: 669A, 669C, 669D, 669F, 669G, 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 5 units. Letter grade only (A-F).

696. Research Methods: Applied and Basic (3)
Prerequisite: PSY 110 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 or corequisite: C D 690 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.