COMMUNICATION DISORDERS

Undergraduate Information
General Information
The NMSU Program in Communication Disorders offers an undergraduate program that results in a pre-professional Bachelor of Science degree that prepares students for graduate work. For clinical practice, the minimum entry-level is a Master’s degree for Speech-Language Pathology and a Doctoral degree for Audiology. Students who complete a Bachelor’s degree must go on to complete a Master’s to obtain state licensure and national certification in Speech-Language Pathology. A Doctoral degree is required for Audiology.

Further information regarding the fields of Audiology and Speech-Language Pathology may be obtained on the American Speech-Language-Hearing Association website.

At NMSU we currently have approximately 140 undergraduate students who have declared a major in Communication Disorders. These students are required to successfully complete a minimum of 120 credits for the Bachelor of Science degree in Communication Disorders. This includes a minimum of 54 upper division credits as well as a minimum of 9 credits from an approved list of electives.

Graduate Information
Information for Prospective Students
The Master of Arts (M.A.) program in Speech-Language Pathology, Communication Disorders at New Mexico State University is accredited by the Council on Academic Accreditation (CAA) in Speech-Language Pathology of the American Speech-Language-Hearing Association (ASHA), 2200 Research Boulevard, #310, Rockville, MD 20850, 800-498-2071 or 301-296-5700

Communication Disorders - Bachelor of Science in Education

Communication Disorders - Master of Arts

Associate Professor, Alfred Valdez, Interim Department Head

Associate Professors: Rhein, Mishra, Valdez; Assistant Professors: Lehnhert-Lehouillie, Mohapatra; College Assistant Professors: Munoz, Bencomo, Lindsay, Nuanes Emeritus Professors: Farmer, Gallegos, Poel

G. Munoz, MA (New Mexico State University) clinical education, dysphagia; R. Nuanes, MA (New Mexico State University) clinical education, early intervention; R. Lindsay, MS (Southwest Texas State University) Clinical education, dysphagia; N. Bencomo, MA (New Mexico State University) clinical education, school-aged intervention; H. Lehnhert-Lehouillier, Ph.D. (State University of New York at Buffalo) speech science, phonetics, voice & speech sound disorders; S. Mishra, Ph.D. (University of Southampton, U.K.) audiology, hearing science and pediatric audiology; B. Mohapatra, Ph.D. (University of Georgia) acquired neurogenic communication disorders, biofeedback training; D. Rhein, Ph.D. (University of Arizona) bilingual language assessment, literacy; A. Valdez, Ph.D. (University of New Mexico) – language development/disorders/intervention, child/adult cognitive processes, research methods/statistical analysis; Emeriti: S. Farmer, Ph.D.; E. Poel, Ph.D.; A. Gallegos, Ed.D.

Communication Disorders Courses

C D 221. Introduction to Communication Disorders
3 Credits (3)
Basic information about speech, language, and hearing disorders; orientation to the professions of speech-language pathology and audiology.

C D 301. Language Acquisition
3 Credits (3)
This course introduces students to the study of the development of language, speech, and communication. Includes language sampling. May be repeated up to 3 credits. Crosslisted with: C D 509. Restricted to: C DS,C D majors. Prerequisite(s): B or better in C D 221; Cumulative GPA of 3.2 or higher.

C D 322. Anatomy and Physiology of Speech Mechanisms
3 Credits (3)
Structure and function of systems underlying human speech sound production and processing, including respiratory, phonatory, and articulatory components. May be repeated up to 3 credits. Crosslisted with: C D 502. Restricted to: C DS,C D majors. Prerequisite(s): B or better in C D 221, C D 323, C D 422, C D 324, and C D 301; and minimum 3.2 GPA.

C D 323. Phonetics
3 Credits (3)
The science of phonetics, including work with the International Phonetic Alphabet. Taught with C D 501. May be repeated up to 3 credits. Restricted to: C DS,C D majors. Prerequisite(s): B or better in C D 221; Cumulative GPA of 3.2 or better.

C D 324. Introduction to Speech Science
3 Credits (3)
Basic concepts and theories in acoustics, speech production and speech perception. Includes laboratory experience with instrumental measurement and analysis of speech systems. May be repeated up to 3 credits. Crosslisted with: C D 503. Restricted to: C DS,C D majors. Prerequisite(s): B or better in C D 221, C D 323, C D 422; and minimum 3.2 GPA.

C D 325. Language Disorders
3 Credits (3)
Bases, symptoms, etiologies, and treatment of language disorders. Includes review of normal language acquisition. B or better in C D 301/ C D 509,C D 302/C D 593, C D 321, C D 322/C D 502, C D 323/C D 501, and minimum 3.0 GPA. Restricted to C D majors. Prerequisite(s): C- or better in C D 221.

C D 326. Clinical Methods and Procedures
3 Credits (3)
Guidelines and procedures associated with the clinical and supervisory processes. Provide opportunities to complete the supervised clinical observation requirement for participation in clinical practicum. May be repeated up to 3 credits. Crosslisted with: C D 506. Restricted to: C DS,C D majors. Prerequisite(s): B or better in C D 221, C D 323, C D 422, C D, 324, C D 301; and minimum 3.2 GPA.

C D 374. American Sign Language I
3 Credits (3)
Introduction to the basics of ASL including questions, commands, sentence types, time, subjects and objects, classifiers, locative case, pluralization, and temporal and distributional aspects.
C D 375. American Sign Language II
3 Credits (3)
Continuation of C D 374, ASL I. Emphasis on ASL grammar, spatial referencing, detailed descriptions, and deaf culture. Features dialogues, short stories, narratives.
**Prerequisite:** C D 374 or consent of instructor.

C D 421. Speech and Language Disorders
3 Credits (3)
Bases, symptoms, etiologies, and clinical management of issues related to disorders of articulation, phonology, voice and resonance, and fluency. May be repeated up to 3 credits. Crosslisted with: C D 504. Restricted to: C DS, C D majors.
**Prerequisite(s):** B or better in C D 221, C D 323, C D 422, C D 324, and C D 301; and minimum 3.2 GPA.

C D 422. Audiology
3 Credits (3)
Anatomy and physiology of the auditory system, bases of auditory disorders, and basic audiometric procedures. May be repeated up to 3 credits. Crosslisted with: C D 507. Restricted to: C DS, C D majors.
**Prerequisite(s):** B or better in C D 221, and a minimum of 3.2 GPA.

C D 423. Neural Bases of Communication Disorders
3 Credits (3)
Study of the neuroanatomy and neurophysiology of communication and communication disorders. Includes review of the central nervous system and peripheral nervous system relationship to speech motor control, language, and hearing. May be repeated up to 3 credits. Crosslisted with: C D 510. Restricted to: C DS, C D majors.
**Prerequisite(s):** B or better in C D 221, C D 301, C D 323, C D 422, C D 324, C D 421, C D 322, C D 326 and minimum 3.0 GPA.

C D 424. Aural Rehabilitation
3 Credits (3)
Overview of hearing aids and amplification devices including cochlear implants. Review of the bases and psychosocial aspects of hearing loss. Clinical management of hearing loss consistent with ASHA’s scope of practice for SLPs. May be repeated up to 3 credits. Crosslisted with: C D 508. Restricted to: C DS, C D majors.
**Prerequisite(s):** B or better in C D 221, C D 323, C D 422, C D 324, C D 301, C D 421, C D 322, C D 326; and minimum 3.2 GPA.

C D 425. Professional Reasoning and Scientific Thinking
3 Credits (3)
Overview of constructive thinking, problem solving, and decision making processes. Provide opportunities to complete the supervised clinical observation requirement for participation in clinical practicum. Differentiated assignments for graduate students. Taught with C D 326. Restricted to: C DS, C D majors.
**Prerequisite(s):** B or better GPA.

C D 426. American Sign Language III
3 Credits (3)
Continuation of C D 375, ASL II. Focus on more complex grammatical features. Students will comprehend and generate medium length stories, narratives, and discussions including culturally significant topics.
**Prerequisite:** C D 375.

C D 501. Phonetics
3 Credits (3)
The science of phonetics, including work with the International Phonetic Alphabet. Restricted to majors. Same as C D 390 with differentiated assignments for graduate students.
**Prerequisites:** a course grade of B- or higher in all graduate courses and an overall GPA of 3.0 or higher.

C D 502. Anatomy and Physiology of Speech Mechanisms
3 Credits (3)
Structure and function of systems underlying human speech sound production and processing including nervous, respiratory, and articulatory components. Restricted to majors. Same as C D 380 with differentiated assignments for graduate students.
**Prerequisites:** a course grade of B- or higher in all graduate courses and an overall GPA of 3.0 or higher.

C D 503. Speech Science
3 Credits (2+3P)
Basic concepts and theories in acoustics, speech production, and speech perception. Laboratory experience with instrumental measurement and analysis of speech systems. Restricted to majors. Same as C D 390 with differentiated assignments for graduate students.
**Prerequisites:** a course grade of B- or higher in all graduate courses and an overall GPA of 3.0 or higher.

C D 504. Speech and Language Disorders
3 Credits (3)
**Prerequisite(s):** B or better GPA.

C D 505. Research Methods
3 Credits (3)
Introduction to basic qualitative, quantitative, and single subject research methodology in speech-language pathology and audiology. Restricted to majors.
**Prerequisites:** a course grade of B- or higher in all graduate courses and an overall GPA of 3.0 or higher.

C D 506. Clinical Methods and Procedures
3 Credits (3)
Guidelines and procedures associated with the clinical and supervisory processes. Provide opportunities to complete the supervised clinical observation requirement for participation in clinical practicum. Differentiated assignments for graduate students. Taught with C D 326. Restricted to: C DS, C D majors.
**Prerequisite(s):** B or better GPA.

C D 507. Audiology
3 Credits (3)
Anatomy and physiology of the auditory system, bases of auditory disorders, and basic audiometric procedures. Differentiated assignments for graduate students. Taught with C D 422. Restricted to: C D, C DS majors.
**Prerequisite(s):** Minimum of 3.0 GPA.

C D 508. Aural Rehabilitation
3 Credits (3)
**Prerequisite(s):** Minimum 3.0 GPA.
C D 509. Language Acquisition
3 Credits (3)
Normal development of communication across the age span. Includes language sampling and analysis. A minimum grade of B in all graduate courses and a minimum overall GPA of 3.0 required. Taught with C D 360 with differentiated assignments for graduate students. Restricted to CD majors and LING majors majors.

C D 510. Neural Bases of Communication Disorders
3 Credits (3)
Study of the neuroanatomy and neurophysiology of communication and communication disorders. Includes review of the central nervous system and peripheral nervous system relationship to speech motor control, language, and hearing. Crosslisted with: C D 423. Restricted to: CD majors.

C D 521. Professional Issues and Multicultural Practices in Communication Disorders
3 Credits (3)
This course includes a range of topics pertinent to students entering professional practice as speech-language pathologists including current legal, cultural, ethical, and clinical service provision issues. Restricted to: C D majors.
Prerequisite(s): Minimum of 3.0 GPA.

C D 522. Interpreter Workplace Skills in Communication Studies
1 Credit (1)
The purpose of this course is to identify principles and procedures necessary to be an effective interpreter and to use an interpreter in the field speech, language, hearing and swallowing disorders. Students will identify the history the use of interpreters, the interpreting process, bilingual vocabulary appropriate for the scope of practice in the field, bilingual assessment principles, second language learning principles and multicultural aspects to consider in the interview and interpreting process. The students will engages in several interpreter scenarios for interview, assessment and intervention cases. Restricted to: C D majors.
Prerequisite(s): Minimum of 3.0 GPA.

C D 523. Assessment of Communication Disorders
3 Credits (3)
Diagnostic theories and management of communication disorders using standardized and descriptive methodology. Includes the practice of interviewing, testing, and oral and written reporting. Restricted to: C DS,C D majors.
Prerequisite(s): A course grade of B or higher in all graduate courses and an overall GPA of 3.0 or higher.

C D 525. Pediatric Language and Disorders
3 Credits (3)
Normal communication development of neonates, infants, toddlers, and preschoolers; etiologies, and treatment of cognitive, linguistic and social elements of communication problems in family systems. May be repeated up to 3 credits. Restricted to: C DS,C D majors.
Prerequisite(s): Minimum grade of B and an overall GPA of 3.0 or higher.

C D 530. School Age Language and Disorders
3 Credits (3)
Normal communication-learning development of elementary, secondary, and postsecondary students; etiologies, diagnosis, and treatment of interpersonal communication and language-based academic disorders. May be repeated up to 3 credits. Restricted to: C DS,C D majors.
Prerequisite(s): A minimum grade of B in all graduate courses and an overall GPA of 3.0 or higher.

C D 535. Aphasia & Cognitive Linguistic Disorders
3 Credits (3)
Etiologies, diagnosis, assessment, and treatment of adult aphasia and cognitive-linguistic disorders. Restricted to: C DS,C D majors.
Prerequisite(s): A course grade of B or higher in all graduate courses and an overall GPA of 3.0 or higher.

C D 541. Advanced Spanish Morpho-Syntax for Education Professionals
3 Credits (3)
This class has been designed for Heritage Speakers of Spanish who work in educational settings. It will cover the essential linguistic theory and fundamental structures of the Spanish language. This includes, but is not limited to, verb morphology, morphosyntactic and syntactic structures. The main goal of this course is to determine what usages fall within the norms of an individual’s speech community, or if there are elements that fall outside those norms.
Prerequisite(s): Students have to be fluent in Spanish as course will be conducted in Spanish.

C D 542. Articulation and Phonological Disorders
3 Credits (3)
Advanced study of the symptoms, etiologies, assessment, and clinical management of articulation and phonological disorders including cleft palate and disorders of resonance Restricted to: C DS,C D majors.
Prerequisite(s): A minimum grade of B- in all graduate courses and a minimum overall GPA of 3.0 is required.

C D 545. Introduction to Augmentative and Alternative Communication
3 Credits (3)
Assessment and intervention for children and adults with developmental disabilities; Alternative communication strategies and systems for individuals with severe speech and/or language impairments. May be repeated up to 3 credits. Restricted to: C DS,C D majors.
Prerequisite(s): Graduate standing; overall GPA of 3.0.

C D 547. Cognitive-Linguistic Communication Disorders
3 Credits (3)
Topics include attention, memory, executive function, and underlying neuropathologies, with emphasis on assessment, diagnosis, prognosis, treatment and recovery processes in cognitive communication disorders related to traumatic brain injury, dementia, and right hemisphere brain damage. May be repeated up to 3 credits. Restricted to: C DS,C D majors.
Prerequisite(s): A course grade of B or higher in all graduate courses and an overall GPA of 3.0.

C D 548. Best Practices in Bilingual/Multicultural Assessment for Practitioners
3 Credits (3)
The purpose of this course is to provide future speech-language pathologists, educational diagnosticians and special educators with a foundation for evaluating the linguistic, cognitive and academic skills of students from any cultural linguistic background. The course covers a review of the literature on best practices for working with interpreters during assessments. Practitioners will be expected to gather qualitative information about cultural/linguistic and educational histories of school-age children and integrate those results with the results of standardized tests.
Prerequisite(s): C D 594.

C D 574. American Sign Language III
3 Credits (3)
Continuation of ASL II. Focus on more complex grammatical features. Students will comprehend and generate medium length stories, narratives, and discussions including culturally significant topics.
Prerequisite: C D 375 or consent of instructor.
C D 583. Dysphagia  
3 Credits (3)  
Study of the anatomy and physiology of swallowing and upper aerodigestive systems. Review of the bases and etiologies of child and adult swallowing disorders, including diagnosis, assessment, and treatment. Restricted to: C DS,C D majors.  
Prerequisite(s): A course grade of B- or higher in all graduate courses and an overall GPA of 3.0 or higher.

C D 584. Fluency Disorders  
3 Credits (3)  
Speech fluency development and the disorders of stuttering, cluttering, and neurogenic dysfluency. Restricted to: C DS,C D majors.  
Prerequisite(s): A course grade of B or higher in all graduate courses and an overall GPA of 3.0 or higher.

C D 585. Motor Speech Disorders  
3 Credits (3)  
Advanced studies of dysfunction of the nervous system that affect speech. Includes evaluation, diagnosis, and treatment of speech apraxias and dysarthrias. Restricted to: C DS,C D majors.  
Prerequisite(s): A course grade of B or higher in all graduate courses and an overall GPA of 3.0 or higher.

C D 586. Voice Disorders/Head and Neck Anomalies  
3 Credits (3)  
Advanced studies of anatomy and physiology of the vocal tract with emphasis on diagnosis, assessment, and treatment of voice disorders, laryngectomy, cleft palate, and other oral-facial anomalies. Restricted to: C DS,C D majors.  
Prerequisite(s): A course grade of B or higher in all graduate courses and an overall GPA of 3.0 or higher.

C D 587. Cleft Palate and Syndromes  
2 Credits (2)  
An advanced study of etiology, assessment and treatment of craniofacial anomalies with a focus on the effects of clefts of the lip and/or palate on speech, resonance and velopharyngeal dysfunction. Review of the contribution of interdisciplinary cleft palate team care managing feeding, audiologic, surgical, orthodontic, and psychosocial aspects. General review of embryology and common syndromes with associated speech, language, and hearing disorders. Consent of Instructor required. Restricted to: C D,C DS majors.  
Prerequisite(s): A course grade of B or higher in all graduate courses and an overall GPA of 3.0 or higher.

C D 589. Practicum in Speech-Language Pathology  
1-4 Credits (1-4)  
Supervised clinical practice in a variety of speech, language, and hearing disorders. Practicum includes diagnostic, treatment, and management work through direct patient/client contact. Attendance at weekly clinical staff meetings is required. May be repeated up to 15 credits. Restricted to: C DS,C D majors.  
Prerequisite(s): Good standing in the graduate school; a course grade of B or higher in all graduate courses and an overall GPA of 3.0 or higher.