**Program**

**BA in Communication Sciences and Disorders**
**Clinical Rehabilitative Services Credential in Language, Speech, and Hearing Services**

**MA in Communication Sciences and Disorders**

The ability to communicate effectively using language systems distinguishes human beings from other forms of life. Disabilities which interfere with communication skills prohibit a large number of people from realizing their full potential in modern society. Study in the field of speech-language pathology and audiology prepares one to appreciate the impact of such impairments and to assist individuals in overcoming them.

Students in the Communication Sciences and Disorders program take courses that address normal human growth, development of the communicative processes, detailed consideration of disorders that arise in these processes, and their assessment and treatment. Coursework is supplemented by practica that give students first-hand experiences in dealing with disorders in the areas of language impairment, voice and resonance problems, phonology/articulation disorders, fluency problems, swallowing problems, Disorders with the cognitive and/or social aspects of communication, problems that necessitate the use of oral, manual, augmentative, and alternative communication techniques and technologies, and/or hearing impairment.

These experiences are carried out in the University speech and language clinic and in off-campus internships.

Master’s degree recipients are eligible to receive the Clinical Rehabilitative Services (CRS) Credential in Language, Speech, and Hearing Services from the CA Commission on Teacher Credentialing. This credential authorizes the holder to serve in the public schools as a Language, Speech, and Hearing Specialist. Graduates are also qualified to apply for the Certificate of Clinical Competence in speech-language pathology (SLP) from the American Speech-Language-Hearing Association (ASHA), and the license in SLP from the CA Board of Consumer Affairs.

**Faculty and Facilities**

The program maintains an on-campus clinic and a speech-language-hearing science laboratory. Students receive supervised practicum experience in prevention, evaluation and treatment for persons across the life span who have a wide range of communicative disorders. The clinic is equipped with audio and video monitored therapy rooms and observations facilities.

The faculty consists of five full-time members as well as part-time instructors and clinical supervisors. Faculty have varied research interests and clinical expertise. These include child language acquisition, acquired adult neurogenic disorders, supervision, normal aging, voice disorders, language disorders and multicultural issues.

**Services for University Students**

University students are encouraged to consult the Center for Communication Disorders if they have concerns about their speech, language, or hearing. There is no charge for evaluation or treatment service for University students.

**Career Outlook**

Speech-language pathology is a stimulating, challenging, and rewarding profession. It demands a high level of skill as well as an affinity for helping and an ability to work effectively with people. Basic entry into the profession requires a master’s degree. Students completing the bachelor’s degree may be employed as a speech therapy aide in schools and other settings. Those who complete the master’s program look forward to many and varied employment opportunities.
The Bachelor of Arts in Communication Sciences and Disorders

Total Course Requirements for the Bachelor’s Degree: 120 units
See “Requirements for the Bachelor’s Degree” in the University Catalog for complete details on general degree requirements. A minimum of 40 units, including those required for the major, must be upper division.

A suggested Major Academic Plan (MAP) has been prepared to help students meet all graduation requirements within four years. Please request a plan from your major advisor or view it and other current advising information on the CSU, Chico Web.

General Education Requirements: 48 units
See “General Education Requirements” in the University Catalog and the Class Schedule for the most current information on General Education Requirements and course offerings. The course requirements marked below with an asterisk (*) may also be applied toward General Education.

Cultural Diversity Course Requirements: 6 units
See “Cultural Diversity” in the University Catalog. Most courses taken to satisfy these requirements may also apply to General Education.

American Institutions Requirement: 6 units
See the “American Institutions Requirement” under “Bachelor’s Degree Requirements.” This requirement is normally fulfilled by completing HIST 130 and POLS 155. Courses used to satisfy this requirement do not apply to General Education.

Literacy Requirement:
See “Mathematics and Writing Requirements” in the University Catalog. Writing proficiency in the major is a graduation requirement and may be demonstrated through satisfactory completion of a course in your major which has been designated as the Writing Proficiency (WP) course for the semester in which you take the course. Students who earn below a C– are required to repeat the course and earn a C– or better to receive WP credit. See the Class Schedule for the designated WP courses for each semester. You must pass ENGL 130 (or its equivalent) with a C– or better before you may register for a WP course.

Course Requirements for the Major: 48 units
The following courses, or their approved transfer equivalents, are required of all candidates for this degree.

14 courses required:
CMSD 220 Survey Communication Disorders 3.0 FA
CMSD 256 American Sign Language I 3.0 FA
CMSD 290 Phonetics 3.0 FA
CMSD 331 Communication Disorders I 3.0 SP
Prerequisites: CMSD 220, CMSD 290, CMSD 326
CMSD 351 Language Development 3.0 SP
Prerequisites: CMSD 290.
CMSD 362 Anatomy/Physiol Spch/Hear Mech 3.0 FA
CMSD 363 Acoustics/Psychoacoustics Spch 3.0 SP
Prerequisites: CMSD 220, CMSD 290, CMSD 362.
CMSD 431 Communication Disorders II 3.0 FA
Prerequisites: CMSD 220, CMSD 362.
CMSD 435 Diagnostic Methods 3.0 SP WP
Prerequisites: ENGL 130 (or its equivalent) with a grade of C– or higher, CMSD 331, CMSD 351, CMSD 431, CMSD 451.
CMSD 440 Neuro/Orgn 3.0 FA
CMSD 441 Aural Rehabilitation 3.0 SP
Prerequisites: CMSD 351, CMDS 362, CMSD 440.
CMDS 451 Language Disorders 3.0 FA
Prerequisites: CMSD 351.
CMSD 470 Orientation Clinical Practicum 3.0 SP
Prerequisites: CMSD 331, CMSD 431, CMSD 451.
PSYC 355 Child/Adolescent Psychology 3.0 FS
1 course selected from:
PSYC 456 Advanced Child Psychology 3.0 FS
Prerequisites: PSYC 355 or equivalent.
PSYC 457, 458, 459 Psychology of Exceptional Child 3.0 FS
Prerequisites: Recommended: PSYC 355 or equivalent (may be taken concurrently).
1 course selected from:
CMSD 560 Communication and Aging 3.0 SP
Prerequisites: Senior or graduate standing.
PSYC 354 Psychology of Aging 3.0 FA
Other psychology courses may be substituted upon approval of your advisor.

Electives Requirement:
To complete the total units required for the bachelor’s degree, select additional elective courses from the total University offerings. You should consult with an advisor regarding the selection of courses which will provide breadth to your University experience and possibly apply to a supportive second major or minor.

Grading Requirement:
All courses taken to fulfill major course requirements must be taken for a letter grade except those courses specified by the department as Credit/No Credit grading only.

Advising Requirement:
Advising is mandatory for all majors in this degree program. Consult your undergraduate advisor for specific information.

Honors in the Major
Honors in the Major is a program of independent work in your major. It involves six units of honors course work completed over two semesters. The Honors in the Major program allows you to work closely with a faculty mentor in your area of interest on an original performance or research project. This year-long collaboration allows you to work in your field at a professional level and culminates in a public presentation of your work. Students sometimes take their projects beyond the University for submission in professional journals, presentation at conferences, or competition in shows. Such experience is valuable for graduate school and professional life. Your Honors work will be recognized at your graduation, on your permanent transcript, and on your diploma. It is often accompanied by letters of commendation from your mentor in the department or the department chair.

Some common features of Honors in the Major program are
1. You must take 6 units of Honors in the Major course work. At least 3 of these units are independent study (399, 499H) as specified by your department.
2. You must complete each class with a minimum grade of B.
3. You must have completed 9 units of upper-division course work or 21 overall units in your major before you can be admitted to Honors in the Major.
4. Check the requirements for your major carefully, as there may be specific courses that must be included in these units.
5. Your cumulative GPA should be at least 3.5 or within the top 5% of majors in your department.
6. Your GPA in your major should be at least 3.5 or within the top 5% of majors in your department.
7. Most students apply for or are invited to participate in Honors in the Major during the second semester of their junior year. Then they complete the 6 units of course work over the two semesters of their senior year.
8. Your honors work culminates with a public presentation of your honors project. While Honors in the Major is part of the Honors Program, each department administers its own program. Please contact your major department or major advisor to apply.

The Master of Arts in Communication Sciences and Disorders

Note: The MA pattern is used to complete requirements for the Clinical Rehabilitative Language, Speech, and Hearing Services Credential. CBEST must be passed prior to completion of the master’s program.

Course Requirements for the Master's Degree: 52-60 units
Continuous enrollment is required. A maximum of 9 semester units of transfer and/or CSU Chico Open University course work may be applied toward the degree.

Graduate Time Limit:
All requirements for the degree are to be completed within five years of the end of the semester of enrollment in the oldest course applied toward the degree. See “Graduate Education” in the University Catalog for complete details on general degree requirements.

Prerequisites for Admission to Conditionally Classified Status:
1. Satisfactory grade point average as specified in “Admission to Master’s Degree Programs” in the University Catalog.
2. Approval by the department and the Office of Graduate Studies.
3. An acceptable baccalaureate from an accredited institution, or an equivalent approved by the Office of Graduate Studies.
4. Three letters of recommendation (submitted to the Graduate Coordinator) for any applicant whose baccalaureate was not completed under the CSU, Chico Communication Sciences and Disorders Program.
Prerequisites for Admission to Classified Status:
In addition to any requirements listed above:
Completion of the Graduate Record Examination.

Advancement to Candidacy:
In addition to any requirements listed above:
1. Formation of the graduate advisory committee in consultation with the Graduate Coordinator. Normally the committee will be formed during the student's first semester and will consist of at least three members; the chair of the committee must be a member of the Communication Sciences and Disorders faculty.
2. Development of an approved program in consultation with the graduate advisory committee.
3. Classified graduate standing and completion of 9 units of the proposed program at the University with at least a 3.0 grade point average.

Requirements for the MA Degree in Communication Sciences and Disorders:
Completion of all requirements as established by the program, graduate advisory committee, the Graduate Coordinator, and the Office of Graduate Studies, to include:
1. Completion of an approved program consisting of 52-60 units of 400/500/600-level courses as follows:
   (a) 52-60 units in the discipline of Communication Sciences and Disorders.
   (b) At least three-quarters of the units required for the degree in 600-level courses.
   (c) Not more than 9 semester units of transfer and/or extension credit (correspondence courses and U.C. extension course work are not acceptable).
   (d) Not more than 15 units taken before admission to classified status.
   (e) Not more than a total of 10 units of Independent Study (697) and Master's Thesis (699T) or Master's Project (699P); not more than 6 units of Master's Thesis (699T) or Master's Project (699P).
   (f) Completion of 375 practicum hours in accordance with ASHA requirements.
   (g) Course work must be selected each semester according to the following sequence of offerings:

   **First Fall Semester Courses**
   - CMSD 610 Res Meth in Com Sci & Disorder 3.0 FA
   - CMSD 620 Neuroanat Sph/Swallow/Lang 3.0 FA
   - CMSD 631 Disorders of Fluency 3.0 FA
   - CMSD 632 Sem in Comm Sciences & Disorder 2.0 FS
   - CMSD 640 Assess & Mgmt of Auditory Diso 3.0 FA
   - CMSD 680 Practicum in Audiology 1.0 FS
   - CMSD 684 Clinical Practicum 2.0 FS

   **First Spring Semester**
   - CMSD 632 Sem in Comm Sciences & Disorder 2.0 FS
   - CMSD 636 Neuropath Lang and Cognition 3.0 SP
   - CMSD 642 Neuropath of Swallow & Speech Prerequisites: CMSD 620.
   - Prerequisites: CMSD 620.
   - CMSD 642 Neuropath of Swallow & Speech Prerequisites: CMSD 620.
   - CMSD 645 Augment & Alternative Comm 3.0 SP
   - CMSD 680 Practicum in Audiology 1.0 FS
   - CMSD 682 Practicum Sph-Lang Path Diag 1.0 FS
   - CMSD 684 Clinical Practicum 2.0 FS

   **Second Fall Semester**
   - CMSD 630 Disorders of Artic & Phonology 3.0 FA
   - CMSD 652 Seminar in Language Disorders 3.0 FA
   - CMSD 675 Method in Speech-Lang Path 1.0 FS
   - CMSD 682 Practicum Sph-Lang Path Diag 1.0 FS
   - CMSD 689 Clin Intern Com Sci & Disorder 2.0–8.0 FS
   - CMSD 696 Comprehensive Examinations 1.0 FS

   OR (the following course may be substituted for the above)
   - CMSD 699T Master's Thesis 1.0–6.0 FS

   **Second Spring Semester**
   - CMSD 633 Prol Aspects Com Sci & Disorder 3.0 SP
   - CMSD 635 Voice and Resonance Disorders 3.0 SP
   - CMSD 675 Method in Speech-Lang Path 1.0 FS
   - CMSD 682 Practicum Sph-Lang Path Diag 1.0 FS
   - CMSD 689 Clin Intern Com Sci & Disorder 2.0–8.0 FS
   - CMSD 696 Comprehensive Examinations 1.0 FS

   OR (the following course may be substituted for the above)
   - CMSD 699P Master's Project 1.0–6.0 FS

   OR (the following course may be substituted for the above)
   - CMSD 699T Master's Thesis 1.0–6.0 FS

Professional liability insurance is required for participation in clinical practice. Hepatitis B inoculations and tuberculosis tests are required prior to working in off-campus settings. CPR certification is required prior to internships.

2. Completion of one of the following plans:
   (a) Thesis Plan: This plan requires a thesis (including appropriate enrollment in CMSD 699T) plus at least 30 units of letter-graded graduate-level course work (375+ clinical practice hours). A public presentation of the thesis will be conducted. Students who are planning to continue their educations to the doctoral level or who are interested in a career in speech and hearing sciences or research are encouraged to choose the thesis plan.
   (b) Comprehensive Plan: This plan requires at least 35 units of letter-graded graduate-level course work, and from 1.20-20 units of CR/NCR practicum course work (375+ clinical practice hours) and enrollment in CMSD 696 during the last semester of graduate study. CMSD 696 includes a proctored 9-hour written comprehensive examination over 3 days. An oral examination will follow if the written examination does not meet faculty expectations.

3. Demonstration of research and writing competence.
4. Demonstration of clinical competence in speech-language pathology, and in audiology screening, including completion of a minimum of 375 clock hours that require enrollment in 12-20 CR/NC units.
5. Deviation from the curriculum outlined above will only be considered upon advice and consent of the student’s graduate advisory committee and the Graduate Coordinator.
6. Substitutions may be selected from outside the program by the student with the advice and consent of his/her graduate committee and the Graduate Coordinator.
7. Approval by the graduate advisory committee, the Graduate Coordinator, and the Graduate Coordinators Committee on behalf of the faculty of the University.
8. In most cases, the MA pattern is used to complete requirements for the Clinical Rehabilitative Language, Speech, and Hearing Services Credential. CBEST must be passed prior to completion of the master’s degree.

Graduate Literacy Requirement:
Writing proficiency is a graduation requirement.

Communication Sciences and Disorders students will demonstrate their writing competence through successful completion of CMSD 610, Research Methods in Communication Sciences and Disorders.

Graduate Grading Requirements:
All courses in the major (with the exceptions of Independent Study—597/697, Comprehensive Examination - 696, Master's Project—699P, and Master's Thesis—699T) must be taken for a letter grade, except those courses specified by the department as ABC/No Credit (400/500-level courses), AB/No Credit (600-level courses), or Credit/No Credit grading only. A maximum of 10 units combined of ABC/No Credit, AB/No Credit, and Credit/No Credit grades may be used on the approved program (including 597/697, 696, 699P, 699T and courses outside the major). While grading standards are determined by individual programs and instructors, it is also the policy of the University that unsatisfactory grades may be given when work fails to reflect achievement of the high standards, including high writing standards, expected of students pursuing graduate study. Students must maintain a minimum 3.0 grade point average in each of the following three categories: all course work taken at any accredited institution subsequent to admission to the master's program; all course work taken at CSU, Chico subsequent to admission to the program; and all courses on the approved master's degree program.

Graduate Advising Requirement:
Advising is mandatory each semester for Communication Sciences and Disorders majors. Consult the Graduate Coordinator for specifics.

Note: All CMSD graduate courses require admission to the CMSD Master's program.

The Faculty
Judith A. Basseur, 1980, Professor, PhD, Indiana U.
Patrick McCaffrey, 1975, Professor, PhD, Ohio U.
Douglas A. McColl, 2003, Assistant Professor, PhD, Ohio U.
Suzanne B. Miller, 1994, Program Coordinator, Assoc Professor, PhD, U Wisconsin.
Susan Stefani, 2005, Assistant Professor, PhD, U Oregon.

Emeritus Faculty
Allen E. Forbes, 1948, Professor Emeritus, EdD, Stanford U.
William Frederick Shrum, 1977, Professor Emeritus, PhD, U Iowa.
## Communication Sciences and Disorders

### Course Offerings

Please see the section on “Course Description Symbols and Terms” in the University Catalog for an explanation of course description terminology and symbols, the course numbering system, and course credit units. All courses are lecture and discussion and employ letter grading unless otherwise stated. Some prerequisites may be waived with faculty permission. Many syllabi are available on the Chico Web.

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<th>Units</th>
<th>Semester</th>
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<tbody>
<tr>
<td>CMSD 129</td>
<td>Introduction to Communication Sciences and Disorders</td>
<td>1.0</td>
<td>Fall</td>
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Students will gain an overall view of the field, competencies to be acquired, work sites, need for professionals, professional organizations, requirements for professional certificates, etc. The course gives the student the opportunity to meet and question the University faculty, visiting faculty, area professionals, and students in Speech-Language Pathology and Audiology. The presentations include lectures, interviews, general discussions, and films.

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<tr>
<td>CMSD 128</td>
<td>Language and Culture of Deaf Americans</td>
<td>4.0</td>
<td>Fall</td>
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Using a conversational approach, this course will provide students with a foundation of expressive and receptive skills in American Sign Language. Cultural aspects of the deaf community, such as history, education, language arts, and pragmatics will be explored. Additionally, lectures will provide information on hearing loss and comparison of sign language systems. 3.0 hours discussion, 1.0 hours activity.

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<tbody>
<tr>
<td>CMSD 198</td>
<td>Special Topics</td>
<td>1.0–3.0</td>
<td>Fall/Spr</td>
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</table>

This course is for special topics offered for 1.0–3.0 units. Typically the topic is offered on a one-time-only basis and may vary from term to term and be different for different sections. See the Class Schedule for the specific topic being offered.

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<tbody>
<tr>
<td>CMSD 220</td>
<td>Survey of Communication Disorders</td>
<td>3.0</td>
<td>Fall</td>
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A survey of the normal processes of communication and of the disorders associated with the parameters of communication (i.e., articulation, language, voice, fluency, and audition). The course will also include an overview of the professional aspects of speech-language pathology and audiology.

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<tbody>
<tr>
<td>CMSD 246</td>
<td>Beginning Signed English and Fingerspelling</td>
<td>3.0</td>
<td>Fall/Spr</td>
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An introduction to a system of manual communication using the word order and meaning of spoken English. The course offers a comparison of other sign systems.

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<tbody>
<tr>
<td>CMSD 247</td>
<td>Intermediate Signed English and Fingerspelling</td>
<td>3.0</td>
<td>Spring</td>
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Translation and improved manual communication skills. You may take this course more than once for a maximum of 6.0 units.

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<tbody>
<tr>
<td>CMSD 256</td>
<td>American Sign Language I</td>
<td>3.0</td>
<td>Fall</td>
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The beginning course is taught using a conversational approach. Students acquire knowledge about cultural and linguistic aspects of deafness and ASL, as well as attain receptive and expressive skills that will enable them to communicate with individuals using ASL. You may take this course more than once for a maximum of 6.0 units.

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<tbody>
<tr>
<td>CMSD 257</td>
<td>American Sign Language II</td>
<td>3.0</td>
<td>Spring</td>
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</table>

Prerequisites: CMSD 128 or CMSD 256 or faculty permission. Continuation of ASL I (CMSD 256). Much of the course is conducted in sign, with the exception of some lectures presented with voice on cultural and linguistic aspects of the Deaf. You may take this course more than once for a maximum of 6.0 units.

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<tr>
<td>CMSD 290</td>
<td>Phonetics</td>
<td>3.0</td>
<td>Fall</td>
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The study of the International Phonetic Alphabet (IPA), with emphasis on training students to transcribe speech accurately using the IPA. Students also develop an understanding of phonetic theory and principles. ABC/no credit grading only.

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<tr>
<td>CMSD 331</td>
<td>Communication Disorders I</td>
<td>3.0</td>
<td>Spring</td>
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Prerequisites: CMSD 220, CMSD 290, CMSD 362. Lecture and discussion on the nature, cause, and treatment of disorders of articulation and phonology, voice, and fluency.

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<tr>
<td>CMSD 351</td>
<td>Language Development</td>
<td>3.0</td>
<td>Spring</td>
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Prerequisites: CMSD 290. Lecture and discussion of normal developmental processes associated with language acquisition. It includes genetic, cultural, and social aspects. Theories of acquisition are discussed.

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<tbody>
<tr>
<td>CMSD 362</td>
<td>Anatomy and Physiology of Speech and Hearing Mechanisms</td>
<td>3.0</td>
<td>Fall</td>
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</table>

This course provides graduate students with a basic understanding of the anatomy and physiology of the speech production and perception mechanisms. Emphasis is on systems involved with respiration, phonation, articulation, audition, and neurology. The information presented in this class is essential and will lay the foundation for continued learning in communication sciences and disorders.

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<tbody>
<tr>
<td>CMSD 363</td>
<td>Acoustics and Psychoacoustics of Speech</td>
<td>3.0</td>
<td>Spring</td>
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Prerequisites: CMSD 220, CMSD 290, CMSD 362. The student will be provided with an understanding of the acoustic attributes of speech and the basic principles of psychoacoustics, physics, and speech perception.

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<tr>
<td>CMSD 389</td>
<td>Clinical Practicum</td>
<td>2.0</td>
<td>Fa/Spr</td>
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Prerequisites: Majors only senior year; CMSD 331, CMSD 362, CMSD 431. Supervised experience in speech, language, or hearing rehabilitation in the on-campus clinic. Weekly group meetings will be scheduled. You may take this course more than once for a maximum of 15.0 units. Credit/no credit grading only.

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<td>CMSD 398</td>
<td>Special Topics</td>
<td>1.0–3.0</td>
<td>Fa/Spr</td>
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This course is for special topics offered for 1.0–3.0 units. Typically the topic is offered on a one-time-only basis and may vary from term to term and be different for different sections. See the Class Schedule for the specific topic being offered.

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<tr>
<td>CMSD 399</td>
<td>Special Problems</td>
<td>1.0–3.0</td>
<td>Fa/Spr</td>
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This course is an independent study of special problems offered for 1.0–3.0 units. You must register directly with a supervising faculty member. You may take this course more than once for a maximum of 6.0 units. Credit/no credit grading only.

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<tr>
<td>CMSD 431</td>
<td>Communication Disorders II</td>
<td>3.0</td>
<td>Fall</td>
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Prerequisites: CMSD 220, CMSD 162. Description and remedial techniques for the following organic disorders: cleft palate, laryngeal, articulation (apraxia, dysarthria), cerebral palsy, and aphasia. The relationships among the various disorders, with attention to multi-handicapped individuals will be studied. In addition, the available services from related fields will be examined.

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<tr>
<td>CMSD 435</td>
<td>Diagnostic Methods in Speech-Language Pathology</td>
<td>3.0</td>
<td>Spring</td>
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Prerequisites: ENGL 130 (or its equivalent) with a grade of C– or higher. CMSD 331, CMSD 351, CMSD 431, CMSD 451. This course provides the opportunity for introductory study of basic diagnostic procedures for formal and informal evaluation of communication disorders. A thorough exploration of standardized test construction and administration is covered, as well as less formal assessment tools such as language samples. The information presented includes a comprehensive examination of methodologies specific to infants, toddlers, children, adults, and the geriatric population. Important issues regarding the assessment of non-native speakers of English and speakers of other languages are also discussed in detail. This is a writing proficiency, WP course; a grade of C– or better certifies writing proficiency for majors.

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<th>Units</th>
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<tr>
<td>CMSD 440</td>
<td>Audiology</td>
<td>3.0</td>
<td>Fall</td>
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This course provides a basic understanding of audiologic tests and procedures and of causes and effects of various hearing disorders.

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<tr>
<td>CMSD 441</td>
<td>Aural Rehabilitation</td>
<td>3.0</td>
<td>Spring</td>
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Prerequisites: CMSD 351, CMSD 162, CMSD 363, CMSD 440. This course deals with the implications of hearing loss on communication, education, and vocation, as well as psycho-social ramifications. Evaluation and remediation, including amplification and assistive devices, are discussed.

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<tr>
<td>CMSD 451</td>
<td>Language Disorders</td>
<td>3.0</td>
<td>Fall</td>
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Prerequisites: CMSD 351. Lecture and discussion of types of language disabilities seen in children. The focus of this course is remediation.

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<td>CMSD 470</td>
<td>Orientation to Clinical Practicum</td>
<td>3.0</td>
<td>Spring</td>
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Prerequisites: CMSD 331, CMSD 362, CMSD 451. This course emphasizes development of knowledge and skills prerequisite to clinical practice in speech-language pathology. Lecture and discussion on general treatment principles (learning and teaching), disorder-specific treatment techniques, report writing techniques, clinical problem-solving, cultural issues in treatment, professional requirements and ethics, etc. Direct observation of therapy is required.
Communication Sciences and Disorders

CMSD 497 Special Studies in Communication Sciences and Disorders 1.0–3.0 Fa/Spr
This course is a special topic offered for 1.0–3.0 units. You must register directly with a supervising faculty member. You may take this course more than once for a maximum of 3.0 units.

CMSD 498 Special Topics 1.0–3.0 Fa/Spr
This course is for special topics offered for 1.0–3.0 units. Typically the topic is offered on a one-time-only basis and may vary from term to term and be different for different sections. See the Class Schedule for the specific topic being offered.

CMSD 560 Communication and Aging 3.0 Spring
Prerequisites: Senior or graduate standing. This course provides students with knowledge of a variety of aspects of aging that impact the communication process: changes in social, economic status, cognitive, linguistic, sensory, and motor abilities. The class is conducted in seminar style, with research-based student presentations and guest lectures.

CMSD 610 Research Methods in Communication Sciences and Disorders 3.0 Fall
This course enables students to write clearly and effectively, using APA style; demonstrate knowledge of the basic processes involved in research in communicative disorders; integrate research principles into evidence-based clinical practice; and demonstrate entry-level skills in reading, understanding, and evaluating research done by professionals in speech-language pathology.

CMSD 620 Neuroanatomy of Speech, Swallowing, and Language 3.0 Fall
This course provides a basic knowledge of the anatomy and physiology of neurological systems involved in speech, swallowing, and language.

CMSD 630 Disorders of Articulation and Phonology 3.0 Fall
This course enables students to describe the characteristics, classifications, causes and manifestations of articulation/phonological disorders; describe the principles of assessment and assessment procedures; describe concepts, principles, and approaches to remediation, including both “traditional” and phonologic approaches; explain the scientific underpinnings of the study of speech sound disorders and the ability to integrate theories and research to clinical practice; and demonstrate clinical problem solving skills in assessment, analysis, and development of intervention plans for persons with speech sound disorders.

CMSD 631 Disorders of Fluency 3.0 Fall
Study of theories, symptomatology, diagnosis, and treatment of stuttering, cluttering, and other disorders of fluency.

CMSD 632 Seminar in Communication Sciences and Disorders 2.0 Fa/Spr
Studies of current issues, trends, and problems in speech-language pathology. Seminar content varies. Required fall and spring semesters for first-year students. You may take this course more than once for a maximum of 4.0 units. Credit/no credit grading only.

CMSD 633 Professional Aspects of Communication Sciences and Disorders 3.0 Spring
This course covers professional issues that affect speech-language pathology as a profession. Issues include professional practice, academic accreditation standards, national and state practice policies and guidelines, state and national certification, specialty recognition and other relevant professional credentials, and reimbursement issues. In addition, students demonstrate their knowledge of ASHA Code of Ethics and an ability to effectively solve clinical dilemmas.

CMSD 634 Curriculum and Methods for Severely Language Delayed 4.0 Inquire
This course reviews teaching strategies and materials that work especially well with severely language delayed students. Subject matter content for the language arts (reading, writing, handwriting, spelling, listening, and oral language), mathematics, social studies, science, music, art, physical education, and daily living skills will be discussed. In addition, teaching strategies for the instruction of the content will be presented, practiced, and evaluated. 3.0 hours seminar, 2.0 hours activity.

CMSD 635 Voice and Resonance Disorders 3.0 Spring
This course provides advanced study of the etiology, symptomatology, diagnosis, and rehabilitation of voice and resonance disorders. A thorough exploration of laryngeal and velar anatomy and biomechanics are covered, and measurement of objective and subjective vocal parameters are discussed in detail. Lectures and readings include a comprehensive examination of methodologies specific to infants, toddlers, children, adults, and the geriatric population.

CMSD 636 Neuropathologies of Language and Cognition 3.0 Spring
Prerequisites: CMSD 620. This course will provide an understanding of the neurological disorders of language and cognition.

CMSD 640 Assessment and Management of Auditory Disorders 3.0 Fall
Advanced level course dealing with the assessment and management of persons with hearing impairment and auditory processing disorders. Practical experience obtained in audiologic screening and in development and implementation of community-based educational programs.

CMSD 642 Neuropathologies of Swallowing and Speech 3.0 Spring
Prerequisites: CMSD 620. This course will provide an understanding of dysphagia, apraxia, and dysarthria.

CMSD 645 Augmentative and Alternative Communication 3.0 Spring
Students study the roles and responsibilities of the speech-language pathologist in the provision of argumentative and alternative communication (AAC) service delivery. It includes information on AAC intervention across the life span and across cultures.

CMSD 652 Seminar in Language Disorders 1.0 Fa/Spr
Studies of current issues, trends, and problems with childhood language disorders. Lecture/discussion activities. Seminar content varies. You may take this course more than once for a maximum of 6.0 units.

CMSD 670 Supervision in Speech-Language Pathology: Introductory Seminar 3.0 Inquire
The purpose of this course is to provide an in-depth study of clinical supervision for implementation in speech-language pathology supervision.

CMSD 671 Practicum in Clinical Supervision 3.0 Inquire
The purpose of this practicum is to enable students to develop competencies in clinical supervision. A minimum of 50 clock hours of experience will be accrued. You may take this course more than once for a maximum of 6.0 units.

CMSD 672 Advanced Seminar in Clinical Supervision 3.0 Inquire
The purpose of this course is to provide further study of the research in supervision in speech-language pathology and to develop implementation strategies for practice based on the literature.

CMSD 675 Methods in Speech-Language Pathology 1.0 Fa/Spr
All students in off-campus placements must be enrolled in this class. Discussion of methods and materials used in assessment and intervention in off-campus placements are addressed. Shared learning regarding public schools, hospitals, private practices, etc., are also addressed. You may take this course more than once for a maximum of 2.0 units.

CMSD 680 Practicum in Audiology 1.0 Fa/Spr
Students gain competence in audiologic screening, rehabilitation, and referral in a variety of settings. You may take this course more than once for a maximum of 6.0 units. Credit/no credit grading only.

CMSD 682 Practicum in Speech-Language Pathology Diagnosis 1.0 Fa/Spr
Supervised practice in the evaluation of speech, voice, and language disorders. Synthesis of clinical test data, client counseling, preparation of evaluation reports, referral procedures, etc. You may take this course more than once for a maximum of 6.0 units. Credit/no credit grading only.

CMSD 684 Clinical Practicum 2.0 Fa/Spr
Supervised management (selection, diagnosis, and therapeutic intervention) of speech, language, and/or auditorily impaired individuals. You may take this course more than once for a maximum of 6.0 units. Credit/no credit grading only.

CMSD 689 Clinical Internship in Communication Sciences and Disorders 2.0–8.0 Fa/Spr
This course is an internship offered for 2.0 to 8.0 units. You must register directly with a supervising faculty member. Designed to be taken during the second year of master's study. Supervised practicum in the diagnosis and treatment of speech, language, and hearing disorders. Internship settings may include public schools, hospitals, private practice, and rehabilitation facilities. You may take this course more than once for a maximum of 20.0 units.
### CMSD 696  Comprehensive Examinations  1.0 Fa/Spr
Designed to be taken during the last semester of master's study and includes a nine-hour written comprehensive examination. An oral comprehensive examination will follow if the written examination is not satisfactory.

### CMSD 697  Independent Study  1.0–3.0 Fa/Spr
This course is a graduate-level independent study offered for 1.0–3.0 units. You must register directly with a supervising faculty member. You may take these for credit more than once; see the department for specific information. You may take this course more than once for a maximum of 6.0 units.

### CMSD 699P  Master's Project  1.0–6.0 Fa/Spr
This course is offered for 1.0–6.0 units. You must register directly with a supervising faculty member. You may take this course more than once for a maximum of 6.0 units.

### CMSD 699T  Master's Thesis  1.0–6.0 Fa/Spr
This course is offered for 1.0–6.0 units. You must register directly with a supervising faculty member. You may take this course more than once for a maximum of 6.0 units.