Speech, Language and Hearing Science, M.A.

COLLEGE OF PUBLIC HEALTH

Learn more about the Master of Arts in Speech, Language and Hearing Science.

About the Program

The M.A. program in Speech, Language and Hearing Science (MA-SLH) is committed to the education of high-quality clinical professionals able to deal creatively with the broadest possible range of populations, settings, and speech-language-swallowing disorders. The program provides students with a rich variety of supervised clinical experiences at its own Temple University Speech-Language-Hearing Center (TUSLHC) on Main campus and at more than 80 field affiliate settings throughout the Delaware Valley. In addition, the Department of Communication Sciences and Disorders maintains strong connections with faculty members and practitioners at Temple University Hospital, the Lewis Katz School of Medicine at Temple University, and other departments in the College of Public Health. Graduates of the program have consistently gone on to significant careers throughout the United States and abroad. Opportunities exist for pursuing research interests under faculty guidance through independent study courses or the writing of a master's thesis.

Time Limit for Degree Completion: 2 years (six terms, including required enrollment in two summer sessions) with a bachelor's degree in Communication Sciences and Disorders; 3 years (eight or nine terms, including required enrollment in two or three summer sessions) without a bachelor's degree in Communication Sciences and Disorders

Campus Location: Main

Full-Time/Part-Time Status: Students complete the degree program through full-time enrollment.

Interdisciplinary Study: The faculty itself is interdisciplinary with representation from Audiology, Cognitive and Neuropsychology, Linguistics, Speech Motor Control, and Speech-Language Pathology. A colloquium series and series of grand rounds presentations include speakers from outside the Department of Communication Sciences and Disorders and Temple University.

Affiliation(s): The program has research affiliations with the Temple University Hospital and Lewis Katz School of Medicine; the American Institute for Voice and Ear Research; MossRehab; New York University; The Pennsylvania State University; University of California, Irvine; University of North Carolina; and University of South Florida. The tri-state area around Philadelphia offers a culturally diverse setting with urban, suburban, and even rural areas, affording a variety of opportunities for students to engage in clinical practica in over 80 affiliated clinical sites that include schools, acute care and rehabilitation hospitals, skilled nursing facilities, private practice, and early intervention agencies.


Accreditation: The M.A. in Speech, Language and Hearing Science program at Temple University is accredited by the Council on Academic Accreditation in Audiology and Speech Language Pathology (CAA) of the American Speech-Language-Hearing Association, 2200 Research Boulevard #310, Rockville, Maryland 20850, 800-498-2071 or 301-296-5700.

Areas of Specialization: Students completing the master's program are generalists with expertise in a wide variety of disorders and population types. Courses and supervised diagnostic and therapeutic experiences involve both children and adults, and encompass a range of disorders, including dysfluency, dysphagia, hearing disorders, language disorders, motor speech disorders, phonological disorders, and voice disorders. Faculty conduct supervised research in such areas as phonological, syntactic, and pragmatic development and language disorders in monolingual and bilingual children, adult aphasia, voice disorders, communication in aging individuals, and speech physiology.

Job Prospects: Graduates are employed in hospitals, rehabilitation centers, schools, private practices, and universities. The placement rate for graduates seeking employment in the field is 100%.

Licensure: To complete the process for the Certificate of Clinical Competence in Speech-Language Pathology (CCC-SLP) from the Council for Clinical Certification (CFCC) of the American Speech-Language-Hearing Association, graduates must pass the national Praxis® examination in Speech-Language Pathology (5331) and must complete a Clinical Fellow experience after graduation. Graduates of the program are eligible to apply for the Instructional I Certificate through the Pennsylvania Department of Education upon successful completion of the Praxis® examination in Speech-Language Pathology (5331) and the Praxis® Fundamental Subjects: Content Knowledge (5511) examination. Additional state-mandated requirements may apply for graduates employed in the public schools in states other than Pennsylvania. Each state has its own licensing procedures in addition to those of the CCC-SLP.

Non-Matriculated Student Policy: Non-matriculated students must have departmental permission to enroll in graduate courses. No more than 9 credits of graduate coursework taken as a non-matriculated student may be counted toward the degree. In order to enroll in courses as a non-matriculated student, individuals must supply the Department of Communication Sciences and Disorders with an official transcript from their undergraduate institution and syllabi from the courses that satisfy the prerequisite requirements for the graduate-level courses the student is requesting to take. A grade of 'B-' is
or better must have been attained in the prerequisite classes, and an overall undergraduate GPA greater than 3.0 must have been earned. If these
requirements are met, non-matriculated students, with the department's permission, are permitted to take up to three of the following four courses:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
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<tbody>
<tr>
<td>CSCD 5521</td>
<td>Foundations in Child Language Disorders (Fall)</td>
<td>3</td>
</tr>
<tr>
<td>CSCD 5522</td>
<td>Foundations and Management in Phonological Disorders (Fall)</td>
<td>3</td>
</tr>
<tr>
<td>CSCD 5525</td>
<td>Foundations and Management in Fluency (Summer)</td>
<td>3</td>
</tr>
<tr>
<td>CSCD 8726</td>
<td>Management of Child Language Disorders (Spring)</td>
<td>3</td>
</tr>
</tbody>
</table>

For more information, contact Dawn Dandridge (ddandrid@temple.edu), Coordinator of Student Services.

**Financing Opportunities:** For information on financial aid, please contact the Office of Student Financial Services.

**Admission Requirements and Deadlines**

**Application Deadline:**

*Fall:* February 1

All applicants to the M.A. program in Speech, Language and Hearing Science must apply via the Communication Sciences and Disorders Centralized Application Service (CSDCAS). The system can be accessed at https://csdcas.liaisoncas.com/.

**Letters of Reference:**

*Number Required:* 3

*From Whom:* Recommendations should be obtained from teachers, clinical supervisors, or others who can speak to the applicant's academic or clinical abilities and personal integrity. Two of the recommendations must be professional/academic in nature.

**Coursework Required for Admission Consideration:** Prerequisites to graduate study, which may be taken during the first year of graduate study if not completed previously, include the following courses or equivalent subject knowledge:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
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<tr>
<td>CSCD 2201</td>
<td>Research Methods in Communication Sciences</td>
<td>3</td>
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<tr>
<td>CSCD 2209</td>
<td>Phonetics and Phonology</td>
<td>4</td>
</tr>
<tr>
<td>CSCD 2219</td>
<td>Psycholinguistics</td>
<td>4</td>
</tr>
<tr>
<td>CSCD 3233</td>
<td>Basic Speech Science</td>
<td>4</td>
</tr>
<tr>
<td>CSCD 3234</td>
<td>Basic Hearing Science</td>
<td>4</td>
</tr>
<tr>
<td>CSCD 3235</td>
<td>Human Neuroscience</td>
<td>4</td>
</tr>
<tr>
<td>CSCD 3301</td>
<td>Speech and Language Development</td>
<td>3</td>
</tr>
<tr>
<td>CSCD 4301</td>
<td>Principles of Audiology</td>
<td>3</td>
</tr>
<tr>
<td>CSCD 4396</td>
<td>Orientation to Clinical Management</td>
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<td><strong>Total Credit Hours</strong></td>
<td><strong>32</strong></td>
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**Bachelor's Degree in Discipline/Related Discipline:** All applicants must present credentials that are the equivalent of the appropriate baccalaureate degree at Temple University.

**Statement of Goals:** One writing sample is required. It should address your goals and the prompts outlined on the CSDCAS application.

**Standardized Test Scores:**

*GRE:* Required. Scores on the verbal and quantitative sections are expected to fall at or above the 50th percentile.

Applicants who earned their baccalaureate degree from an institution where the language of instruction was other than English, with the exception of those who subsequently earned a master's degree at a U.S. institution, must report scores for a standardized test of English that meet these minimums:

- TOEFL iBT: 79
- IELTS Academic: 6.5
- PTE Academic: 53
- Duolingo: 110

**Clearances:** The Speech, Language and Hearing Science M.A. program requires students to complete clinical/field education experiences at facilities both on and off Temple University's campuses. These placements require criminal background checks, Act 33/34 clearances (for working with children
and vulnerable populations), and often a drug screen and CPR certification. The results of these requirements may limit and potentially eliminate placement options for the student, thus resulting in her/his inability to meet graduation requirements. Additionally, conviction of a misdemeanor, felony, or felonious or illegal act may prevent the student from becoming credentialed and/or licensed to practice as a Speech Language Pathologist.

Transfer Credit: On the recommendation of the student's advisor, the Department of Communication Sciences and Disorders may accept transfer of graduate credits from an accredited institution. Grades must be 'B' or better. The maximum number of credits a student may transfer is 6.

Program Requirements

General Program Requirements:
Number of Credits Required Beyond the Baccalaureate: 54-59, including 39 credits of academic coursework and 15-20 credits of clinical coursework

Required Courses:

<table>
<thead>
<tr>
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<th>Title</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>CSCD 5521</td>
<td>Foundations in Child Language Disorders</td>
<td>3</td>
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<td>CSCD 5522</td>
<td>Foundations and Management in Phonological Disorders</td>
<td>3</td>
</tr>
<tr>
<td>CSCD 5524</td>
<td>Foundations and Management of Motor Speech Disorders</td>
<td>3</td>
</tr>
<tr>
<td>CSCD 5525</td>
<td>Foundations and Management in Fluency</td>
<td>3</td>
</tr>
<tr>
<td>CSCD 5527</td>
<td>Foundations and Rehabilitation of Language and Cognitive Disorders in Aphasia</td>
<td>3</td>
</tr>
<tr>
<td>CSCD 5528</td>
<td>Voice Disorders: Theory and Analysis</td>
<td>3</td>
</tr>
<tr>
<td>CSCD 5531</td>
<td>Applications in Audiology</td>
<td>1</td>
</tr>
<tr>
<td>CSCD 5532</td>
<td>Foundations and Management in Hearing Disorders</td>
<td>3</td>
</tr>
<tr>
<td>CSCD 8722</td>
<td>Foundations and Management in Dysphagia</td>
<td>3</td>
</tr>
<tr>
<td>CSCD 8726</td>
<td>Management of Child Language Disorders</td>
<td>3</td>
</tr>
<tr>
<td>CSCD 8727</td>
<td>Written Language Development and Disorders</td>
<td>2</td>
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<td>CSCD 8729</td>
<td>Neurocognitive Language Disorders</td>
<td>3</td>
</tr>
<tr>
<td>CSCD 8824</td>
<td>Assessment and Treatment of Diverse Populations</td>
<td>2</td>
</tr>
<tr>
<td>CSCD 8830</td>
<td>Seminar In CSD</td>
<td>1</td>
</tr>
<tr>
<td>HRPR 5001</td>
<td>Current and Emerging Issues in Public Health and Health Professions</td>
<td>0</td>
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Elective 2 3 15-20

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<th>Code</th>
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<tr>
<td>CSCD 8147</td>
<td>Basic Practicum in Audiology</td>
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</tr>
<tr>
<td>CSCD 8187</td>
<td>Basic Practicum in Diagnostic Processes</td>
<td>3</td>
</tr>
<tr>
<td>CSCD 8287</td>
<td>Basic Practicum in Therapy Processes</td>
<td>3</td>
</tr>
<tr>
<td>CSCD 9187</td>
<td>Advanced Practicum in Voice</td>
<td>3</td>
</tr>
<tr>
<td>CSCD 9287</td>
<td>Advanced Practicum in Fluency</td>
<td>3</td>
</tr>
<tr>
<td>CSCD 9387</td>
<td>Advanced Field Practicum in Speech Language Pathology - Child</td>
<td>3</td>
</tr>
<tr>
<td>CSCD 9388</td>
<td>Capstone Field Practicum in Speech Language Pathology - Pediatric</td>
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<td>CSCD 9487</td>
<td>Advanced Field Practicum in Speech Language Pathology - Adult</td>
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<tr>
<td>CSCD 9488</td>
<td>Capstone Field Practicum in Speech Language Pathology - Adult</td>
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</tr>
<tr>
<td>CSCD 9587</td>
<td>Advanced Practicum in Aphasia</td>
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</table>

Total Credit Hours 54-59

1 This common College Core course is required of all incoming graduate students in the College of Public Health. It is available completely online and designed such that students can complete the modules at their own pace over the course of their degree program.

2 Students who elect to complete a thesis should select CSCD 9996 Thesis Seminar as their elective.

3 Students enroll in 18 to 20 credits of supervised clinical practicum in the evaluation and treatment of speech, language, and swallowing disorders to achieve the Certificate of Clinical Competence in Speech-Language Pathology (CCC-SLP) in accordance with the standards of the American Speech-Language-Hearing Association (ASHA). Up to 3 credits may be waived if students have achieved the full range of required competencies and experiences.
## Proposed Plan of Study Outlined by Year and Term

### Year 1

#### Fall

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>CSCD 5521</td>
<td>Foundations in Child Language Disorders</td>
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<td>Foundations and Management in Phonological Disorders</td>
<td>3</td>
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<tr>
<td>CSCD 5527</td>
<td>Foundations and Rehabilitation of Language and Cognitive Disorders in Aphasia</td>
<td>3</td>
</tr>
<tr>
<td>CSCD 5531</td>
<td>Applications in Audiology</td>
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</tr>
<tr>
<td>CSCD 8187</td>
<td>Basic Practicum in Diagnostic Processes¹</td>
<td>1</td>
</tr>
<tr>
<td>CSCD 8287</td>
<td>Basic Practicum in Therapy Processes¹</td>
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<td>HRPR 5001</td>
<td>Current and Emerging Issues in Public Health and Health Professions²</td>
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#### Spring

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<th>Course Title</th>
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<tr>
<td>CSCD 5528</td>
<td>Voice Disorders: Theory and Analysis</td>
<td>3</td>
</tr>
<tr>
<td>CSCD 8187</td>
<td>Basic Practicum in Diagnostic Processes¹</td>
<td>1</td>
</tr>
<tr>
<td>CSCD 8287</td>
<td>Basic Practicum in Therapy Processes¹</td>
<td>2</td>
</tr>
<tr>
<td>CSCD 8726</td>
<td>Management of Child Language Disorders</td>
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<tr>
<td>CSCD 8729</td>
<td>Neurocognitive Language Disorders</td>
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<td></td>
<td><strong>Term Credit Hours</strong></td>
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#### Summer

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<th>Course Title</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>CSCD 5525</td>
<td>Foundations and Management in Fluency</td>
<td>3</td>
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<tr>
<td>CSCD 5532</td>
<td>Foundations and Management in Hearing Disorders</td>
<td>3</td>
</tr>
<tr>
<td>CSCD 8187</td>
<td>Basic Practicum in Diagnostic Processes¹</td>
<td>1</td>
</tr>
<tr>
<td>CSCD 8722</td>
<td>Foundations and Management in Dysphagia</td>
<td>3</td>
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<td>CSCD 9587</td>
<td>Advanced Practicum in Aphasia</td>
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<tr>
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<td><strong>Term Credit Hours</strong></td>
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### Year 2

#### Fall

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<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tr>
<td>CSCD 5524</td>
<td>Foundations and Management of Motor Speech Disorders</td>
<td>3</td>
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<td>CSCD 8727</td>
<td>Written Language Development and Disorders</td>
<td>2</td>
</tr>
<tr>
<td>CSCD 8830</td>
<td>Seminar In CSD</td>
<td>1</td>
</tr>
<tr>
<td>CSCD 9287</td>
<td>Advanced Practicum in Fluency</td>
<td>1</td>
</tr>
<tr>
<td>CSCD 9387</td>
<td>Advanced Field Practicum in Speech Language Pathology - Child</td>
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#### Spring

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<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>CSCD 8824</td>
<td>Assessment and Treatment of Diverse Populations</td>
<td>2</td>
</tr>
<tr>
<td>CSCD 9187</td>
<td>Advanced Practicum in Voice</td>
<td>1</td>
</tr>
<tr>
<td>CSCD 9387</td>
<td>Advanced Field Practicum in Speech Language Pathology - Child</td>
<td>3</td>
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<tr>
<td>Elective³</td>
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#### Summer

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<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>CSCD 8147</td>
<td>Basic Practicum in Audiology</td>
<td>1</td>
</tr>
<tr>
<td>CSCD 9487 or 9388</td>
<td>Advanced Field Practicum in Speech Language Pathology - Adult</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td><strong>Term Credit Hours</strong></td>
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<tr>
<td></td>
<td><strong>Total Credit Hours:</strong></td>
<td><strong>59</strong></td>
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1. Students typically enroll in CSCD 8187 and CSCD 8287 over multiple academic terms in Year 1.
2. This common College Core course is required of all incoming graduate students in the College of Public Health. It is available completely online and designed such that students can complete the modules at their own pace over the course of their degree program.
3. Students who elect to complete a thesis should select CSCD 9996 Thesis Seminar as their elective.

**Minimum Grade to be Earned for All Required Courses:** B-
Standards of Scholarship: A graduate student in the M.A. program is expected to perform in accordance with the standards of scholarship of the Temple University Graduate School and of the Department of Communication Sciences and Disorders, including the following:

1. At the time of graduation, the student must have a grade point average of at least 3.0 (equivalent at Temple to the grade of 'B').
2. The student's grades will be averaged after the student has completed 15 graduate credits. Unless her/his average is 'B' or better, the student will have one additional term to achieve a total grade average of 'B' or better. Any time from the end of that term forward that her/his total grade average falls below a 'B,' s/he will be dropped from the program.
3. A student who receives more than two grades below 'B-' or more than one grade of 'F' is dismissed for failure to maintain satisfactory grades. Although grades of 'C+', 'C,' and 'C-' carry academic credit, receipt of such grades indicates that the student is performing at a substandard level. Additionally, ASHA hours are not accumulated in Clinical Courses (Practicum) with earned grades below a 'B-.'
4. A student may not graduate without completing all coursework and thus removing any outstanding grades of 'I' (Incomplete).
5. An M.A. student in the program may apply no more than 6 graduate credits earned at another institution toward the degree.
6. Grades in prerequisite courses taken at Temple or elsewhere, while matriculated in the graduate program, will be counted in determining whether a student has satisfied standards of scholarship described in 1-4 above, but prerequisite credits will not count toward the number of credits required for the master's degree.

Culminating Event: Students choose between two options: completion of the comprehensive examination or preparation and defense of a master's thesis.

Comprehensive Examination:
The purpose of the comprehensive examination is to demonstrate the application of accumulated knowledge to the basic science and clinical domains. It is typically taken in the final term of study.

Master's Thesis:
The thesis option is intended to provide an opportunity for students interested in research to conduct a study of greater scope and rigor than is generally possible in the context of a one-term seminar or independent study. Students electing the thesis option enroll for up to 3 credits of CSCD 9996 Thesis Seminar, typically in the Spring of Year 2.

The thesis involves descriptive and/or experimental research and is supervised by a faculty member selected by the student. Students develop a prospectus (i.e., proposal of research to be conducted) in conjunction with their M.A. committee, which consists of the thesis advisor and two other faculty members. A final presentation is given orally to a symposium of faculty and students. The thesis document is submitted to the Graduate School in accordance with its guidelines.

Contacts

Program Web Address:
https://www.temple.edu/academics/degree-programs/speech-language-and-hearing-science-ma-hp-splh-ma

Department Information:
Dept. of Communication Sciences and Disorders
110 Weiss Hall (265-62)
1701 N. 13th Street
Philadelphia, PA 19122-6085
cph@temple.edu
215-204-7543

Submission Address for Application Materials:
https://csdcas.liaisoncas.com/

Department Contacts:
Admissions:
CPH Office of Admissions
cph@temple.edu
215-204-5200

Chairperson:
Lisa Bedore, Ph.D.
lisa.bedore@temple.edu
215-204-7543
Courses

CSCD 5411. Psycholinguistics. 3 Credit Hours.
This course presents information about the processing and use of language including language acquisition, lexical retrieval, syntactic parsing, and language production in children and adults with normal and disordered communication systems.

Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate.

Repeatability: This course may not be repeated for additional credits.

CSCD 5501. Modern Linguistics I - Syntax. 3 Credit Hours.
Scientific investigation of grammatical structure in language is the subject of this course. Data from English and other languages are used to study phrase structure, empty categories, movement, etc.

Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate.

Repeatability: This course may not be repeated for additional credits.

CSCD 5502. Phonology I. 3 Credit Hours.
This course concerns the nature of sound systems in human language. Students investigate data from a variety of languages and language families.

Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate.

Repeatability: This course may not be repeated for additional credits.

CSCD 5505. Issues in Linguistics. 3 Credit Hours.
This course critically investigates major intellectual trends in the recent history of linguistics and their relationship to contemporary issues in philosophy, psychology, and anthropology.

Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate.

Repeatability: This course may not be repeated for additional credits.

CSCD 5511. Bilingualism: A Lifespan Perspective. 1 Credit Hour.
In the field of speech and language pathology, culturally and linguistically diverse (CLD) children have a higher rate of misdiagnosis than monolingual Mainstream American English (MAE) speaking children of the same age, due to biased standardized assessments and the need for more culturally-competent clinicians to evaluate and treat these populations. This course is designed to provide students with a survey of the typical bilingual experience across the lifespan. Students will learn how bilingualism is understood across contexts, including different language parameters (i.e., semantics, phonology, syntax), as well as acquisition, disorder and typical aging. Content will be presented from clinical, developmental, neurolinguistic and sociolinguistic perspectives.

Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate.

Repeatability: This course may not be repeated for additional credits.

CSCD 5521. Foundations in Child Language Disorders. 3 Credit Hours.
This course reviews theory, research and clinical issues concerning disorders of language in young children. Major categories of language disorder such as emotional disturbance, mental retardation, hearing loss, and specific language impairment are considered. Treatment and assessment techniques are reviewed and evaluated.

Field of Study Restrictions: Must be enrolled in one of the following Majors: Spch Lang Hearing Science.

Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate.

Repeatability: This course may not be repeated for additional credits.

Pre-requisites:
CSCD 3301|Minimum Grade of C|May not be taken concurrently.
CSCD 5522. Foundations and Management in Phonological Disorders. 3 Credit Hours.
This course presents information and experiences to prepare students to assess and treat individuals with phonological disorders.

Field of Study Restrictions: Must be enrolled in one of the following Majors: Spch Lang Hearing Science.
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate.

Repeatability: This course may not be repeated for additional credits.

Pre-requisites:
(CSCD 2209|Minimum Grade of C|May not be taken concurrently
AND CSCD 3233|Minimum Grade of C|May not be taken concurrently
AND CSCD 3301|Minimum Grade of C|May not be taken concurrently)

CSCD 5524. Foundations and Management of Motor Speech Disorders. 3 Credit Hours.
This course covers assessment, diagnosis, and management of motor speech disorders such as dysarthria and apraxia of speech in children and adults.

Field of Study Restrictions: Must be enrolled in one of the following Majors: Spch Lang Hearing Science.
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate.

Repeatability: This course may not be repeated for additional credits.

Pre-requisites:
CSCD 5522|Minimum Grade of C|May not be taken concurrently.

CSCD 5525. Foundations and Management in Fluency. 3 Credit Hours.
This course surveys the characteristics and theories on the nature of stuttering and reviews the principles and practices of assessment and intervention strategies.

Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate.

Repeatability: This course may not be repeated for additional credits.

Pre-requisites:
CSCD 3233|Minimum Grade of C|May not be taken concurrently.

CSCD 5527. Foundations and Rehabilitation of Language and Cognitive Disorders in Aphasia. 3 Credit Hours.
This course provides an overview of acquired neurogenic language disorders and the ways in which these disorders have historically been described and explained. Approaches to diagnosis and treatment of adult language disorders and the evolution from neuroanatomical to cognitive and social models are discussed. The course begins with a review of the etiology and neuroanatomy underlying aphasic syndromes. The classical, neuroanatomical view of acquired language disorder is described, followed by an overview of syndrome classification. This is followed by a detailed review of cognitive-psycholexical models of language and communication disorders as well as the life participation approach to rehabilitation of communication disorders. The remainder of the course provides a review of specific language disorders associated with neurological etiologies (especially stroke-based aphasia), their effects on comprehension and production of oral and written language and specific intervention approaches. The course also offers a review of current research that focuses on impairments of cognitive processes that support language processing such as short-term memory (STM) and executive processing.

Field of Study Restrictions: Must be enrolled in one of the following Fields of study: Spch Lang Hearing Science.
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate.

Repeatability: This course may not be repeated for additional credits.

Pre-requisites:
(CSCD 3235|Minimum Grade of C|May not be taken concurrently
AND (CSCD 2219|Minimum Grade of C|May not be taken concurrently)
CSCD 5528. Voice Disorders: Theory and Analysis. 3 Credit Hours.
This course acquaints the student with the symptomatology and disorder complexes related to phonation and with the philosophies and methods used in the treatment of voice disorders, including cleft palate and alaryngeal voice.

Field of Study Restrictions: Must be enrolled in one of the following Majors: Spch Lang Hearing Science.
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate.

Repeatability: This course may not be repeated for additional credits.

Pre-requisites:
(CSCD 3233|Minimum Grade of C|May not be taken concurrently 
AND CSCD 3235|Minimum Grade of C|May not be taken concurrently)

CSCD 5529. Case Studies. 1 Credit Hour.
This seminar patterns itself on the Grand Rounds format used in hospitals in which a clinician presents information about a patient/client to a group of peers. The course is structured to provide interdisciplinary interactions because so many of the patients/clients we work with have multiple problems, and solutions are usually interdisciplinary in nature.

Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate.

Repeatability: This course may not be repeated for additional credits.

CSCD 5531. Applications in Audiology. 1 Credit Hour.
Practical labwork with audiometric equipment, test procedures, administration interpretation, and principles of case management and report writing.

Field of Study Restrictions: Must be enrolled in one of the following Majors: Spch Lang Hearing Science.
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate.

Repeatability: This course may not be repeated for additional credits.

Pre-requisites:
CSCD 4301|Minimum Grade of C|May not be taken concurrently.

CSCD 5532. Foundations and Management in Hearing Disorders. 3 Credit Hours.
This course reviews basic communication sciences and their role in the development of (re)habilitative strategies for use with both adults and children with hearing impairment.

Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate.

Repeatability: This course may not be repeated for additional credits.

Pre-requisites:
CSCD 4301|Minimum Grade of C|May not be taken concurrently.

CSCD 5533. Principles of Audiology. 3 Credit Hours.
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate.

Repeatability: This course may not be repeated for additional credits.

CSCD 5534. American Sign Language I. 3 Credit Hours.
This introductory course provides the necessary skills for basic communication in American Sign Language (ASL). The relationship between manual and oral systems and the implications of deafness on communication are considered.

Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate.

Repeatability: This course may not be repeated for additional credits.

Pre-requisites:
CSCD 5534|Minimum Grade of C|May not be taken concurrently.

CSCD 5634. American Sign Language II. 3 Credit Hours.
This course continues the basic introduction to American Sign Language (ASL) through exploration of the language used by Deaf people in America, including the syntax, grammar, and vocabulary necessary in ASL. In addition various aspects of Deaf culture will also be discussed.

Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate.

Repeatability: This course may not be repeated for additional credits.

Pre-requisites:
CSCD 5534|Minimum Grade of C|May not be taken concurrently.
CSCD 5729. Language and Deafness. 3 Credit Hours.
This introduction to deaf studies explores the linguistic structure of American Sign Language, how modality of production-perception shapes language organization (comparisons of signed and spoken languages), deaf culture, deafness and minority cultures, deafness and child development, issues and options in deaf education, deafness in old age.

Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate.

Repeatability: This course may not be repeated for additional credits.

CSCD 5730. Topics in Speech, Language and Hearing. 1 to 3 Credit Hour.
Special topics in the area of Speech Language Pathology which change from semester to semester are presented. Topics and instructors for a specific semester are announced by the department and posted on the CSCD Department's listserv and web site.

Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate.

Repeatability: This course may be repeated for additional credit.

CSCD 8147. Basic Practicum in Audiology. 1 Credit Hour.
Basic practicum in audiology at Temple University Speech and Language Center or one of the field placements with emphasis on basic audiologic testing and interpretation.

Field of Study Restrictions: Must be enrolled in one of the following Majors: Spch Lang Hearing Science.
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate.

Repeatability: This course may not be repeated for additional credits.

Pre-requisites:
(CSCD 5531|Minimum Grade of C|May not be taken concurrently
AND CSCD 5532|Minimum Grade of C|May not be taken concurrently)

CSCD 8187. Basic Practicum in Diagnostic Processes. 1 to 3 Credit Hour.
This course introduces assessment of speech-language disorder, emphasizing assessment tools, procedures, rationales, and interpretation.

Field of Study Restrictions: Must be enrolled in one of the following Majors: Spch Lang Hearing Science.
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate.

Repeatability: This course may be repeated for additional credit.

Pre-requisites:
CSCD 4396|Minimum Grade of C|May not be taken concurrently.

CSCD 8287. Basic Practicum in Therapy Processes. 1 to 3 Credit Hour.
This is an introduction to remediation of speech-language disorders, emphasizing therapy methodologies and techniques, procedures, and rationales based on evidence-based practice, and analysis and interpretation of therapy outcomes.

Field of Study Restrictions: Must be enrolled in one of the following Majors: Spch Lang Hearing Science.
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate.

Repeatability: This course may be repeated for additional credit.

Pre-requisites:
CSCD 4396|Minimum Grade of C|May not be taken concurrently.

CSCD 8601. Advanced Syntax. 3 Credit Hours.
This course studies recent advances in syntactic theory, focusing on the tension between universal grammar and the properties of particular languages.

Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate.

Repeatability: This course may not be repeated for additional credits.
CSCD 8721. Foundations and Management in Augmentative and Alternative Communication. 1 Credit Hour.
This course provides information on the identification of individuals who would benefit from Augmentative and Alternative Communication, on 
asessment of functional communication needs across environments, and on current regulations and documentation to obtain funding for a speech-
generating device.

Field of Study Restrictions: Must be enrolled in one of the following Fields of study: Spch Lang Hearing Science.
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate.

Repeatability: This course may not be repeated for additional credits.

CSCD 8722. Foundations and Management in Dysphagia. 3 Credit Hours.
An overview of swallowing processes and disorders specific to the adult and pediatric populations. Assessment and treatment will be discussed.

Field of Study Restrictions: Must be enrolled in one of the following Fields of study: Spch Lang Hearing Science.
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate.

Repeatability: This course may not be repeated for additional credits.

Pre-requisites:
CSCD 3233|Minimum Grade of C|May not be taken concurrently.

CSCD 8723. Seminar in Speech Language Hearing. 1 to 3 Credit Hour.
This course provides students with in-depth and advanced information and experiences in a variety of topics in Speech, Language, Hearing. Students 
will review the foundation of anatomy, physiology or function of speech, language or hearing, its etiologies, and have hands on practice with professions 
in the field. Topics change from semester to semester and are presented in an intensive seminar format over a weekend (Friday half day and Saturday 
all day).

Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate.

Repeatability: This course may be repeated for additional credit.

CSCD 8725. Disorders of Articulation and Phonology: Special Populations. 2 Credit Hours.
This course presents information and experiences to prepare the speech and language specialist to assess, diagnose and treat persons with articulation 
disorders associated with cleft palate, apraxia, dysarthria and oral myofunctional disorders.

Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate.

Repeatability: This course may not be repeated for additional credits.

CSCD 8726. Management of Child Language Disorders. 3 Credit Hours.
This course presents information and specific skills to prepare the speech and language specialist to function in the educational setting in a variety of 
roles.

Field of Study Restrictions: Must be enrolled in one of the following Majors: Spch Lang Hearing Science.
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate.

Repeatability: This course may not be repeated for additional credits.

Pre-requisites:
CSCD 5521|Minimum Grade of C|May not be taken concurrently.

CSCD 8727. Written Language Development and Disorders. 2 Credit Hours.
This course focuses on the developmental processes of written language acquisition and written language disorders (dyslexia). Special attention to 
phonological awareness and the cognitive processes underlying this awareness.

Field of Study Restrictions: Must be enrolled in one of the following Majors: Spch Lang Hearing Science.
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate.

Repeatability: This course may not be repeated for additional credits.

Pre-requisites:
(CSCD 5521|Minimum Grade of C|May not be taken concurrently
AND CSCD 5522|Minimum Grade of C|May not be taken concurrently
AND CSCD 8726|Minimum Grade of C|May not be taken concurrently)
CSCD 8728. Voice Disorders: Spec Pop. 2 Credit Hours.
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate.
Repeatability: This course may not be repeated for additional credits.

CSCD 8729. Neurocognitive Language Disorders. 3 Credit Hours.
This course will provide a broad introduction to neurocognitive deficits of language in dementia, traumatic brain injury, and right hemisphere damage. We will review neural substrates of human memory and executive functioning and examine how brain damage compromises language and cognition. We will examine assessments of language and memory and cover contemporary theories of neuropsychological rehabilitation.
Field of Study Restrictions: Must be enrolled in one of the following Fields of study: Spch Lang Hearing Science.
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate.
Repeatability: This course may not be repeated for additional credits.

CSCD 8738. Proj in Spch Lang Hear. 1 Credit Hour.
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate.
Repeatability: This course may not be repeated for additional credits.

CSCD 8824. Assessment and Treatment of Diverse Populations. 2 Credit Hours.
This course offers concentrated study of language development and disorders in culturally and linguistically diverse populations. Less biased assessment and intervention approaches are discussed.
Field of Study Restrictions: Must be enrolled in one of the following Majors: Spch Lang Hearing Science.
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate.
Repeatability: This course may not be repeated for additional credits.

CSCD 8830. Seminar In CSD. 1 Credit Hour.
This course focuses on preparing students to work with children from birth through six years in an interdisciplinary environment.
Field of Study Restrictions: Must be enrolled in one of the following Majors: Spch Lang Hearing Science.
Class Restrictions: May not be enrolled in one of the following Classes: Graduate 0 to 17 Credits.
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate.
Repeatability: This course may be repeated for additional credit.

CSCD 9087. Practicum in Hearing. 1 Credit Hour.
This basic-level practicum exposes students to the problems and therapeutic measures experienced by and available for hearing impaired individuals from childhood through adulthood in various habilitative/rehabilitative settings.
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate.
Repeatability: This course may be repeated for additional credit.

CSCD 9187. Advanced Practicum in Voice. 1 Credit Hour.
This advanced-level practicum at a field affiliation or at Temple University Speech and Hearing Center (stuttering and voice disorders) focuses on in-depth diagnosis and treatment of a specific disordered population, e.g., L.D., M.R., post-CVA, stuttering, voice, and hearing impairment.
Field of Study Restrictions: Must be enrolled in one of the following Majors: Spch Lang Hearing Science.
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate.
Repeatability: This course may be repeated for additional credit.

Pre-requisites:
CSCD 5528|Minimum Grade of C|May not be taken concurrently.
CSCD 9287. Advanced Practicum in Fluency. 1 Credit Hour.
This advanced-level practicum offers an in-depth focus on assessing and treating persons who stutter.

Field of Study Restrictions: Must be enrolled in one of the following Majors: Spch Lang Hearing Science.
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate.

Repeatability: This course may be repeated for additional credit.

Pre-requisites:
CSCD 5525 Minimum Grade of C|May not be taken concurrently.

CSCD 9387. Advanced Field Practicum in Speech Language Pathology - Child. 3 Credit Hours.
This advanced-level practicum at a field affiliation focuses on in-depth diagnosis and treatment of communication and/or swallowing disorders in a specific disordered child population, i.e., SLL, L.D., M.R., stuttering, voice, hearing impairment, etc. On-site for three days or more.

Field of Study Restrictions: Must be enrolled in one of the following Majors: Spch Lang Hearing Science.
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate.

Repeatability: This course may be repeated for additional credit.

Pre-requisites:
CSCD 8726 Minimum Grade of C|May not be taken concurrently.

CSCD 9388. Capstone Field Practicum in Speech Language Pathology - Pediatric. 3 Credit Hours.
This capstone-level practicum at a field affiliated site focuses on in-depth diagnosis and treatment of communication and/or swallowing disorders in a specific disordered pediatric population, i.e., LD, MR, post CVA, stuttering, voice, hearing impairment, etc. Students can plan to be on-site for at least three days per week.

Field of Study Restrictions: Must be enrolled in one of the following Majors: Spch Lang Hearing Science.
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate.

Repeatability: This course may be repeated for additional credit.

Pre-requisites:
CSCD 9387 Minimum Grade of B-|May not be taken concurrently
OR CSCD 9487 Minimum Grade of B-|May not be taken concurrently.

CSCD 9487. Advanced Field Practicum in Speech Language Pathology - Adult. 3 Credit Hours.
Advanced level practicum at a field affiliation with focus on in-depth diagnoses and treatment of communication and/or swallowing disorders in a specific disordered adult population, e.g., L.D., M.R., post-CVA, stuttering, voice, and hearing impairment. The practicum takes place on-site for three days or more.

Field of Study Restrictions: Must be enrolled in one of the following Fields of study: Spch Lang Hearing Science.
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate.

Repeatability: This course may be repeated for additional credit.

Pre-requisites:
(CSCD 5527 Minimum Grade of C|May not be taken concurrently)
AND (CSCD 8729 Minimum Grade of C|May not be taken concurrently)

CSCD 9488. Capstone Field Practicum in Speech Language Pathology - Adult. 3 Credit Hours.
This capstone-level practicum at a field affiliated site focuses on in-depth diagnosis and treatment of communication and/or swallowing disorders in a specific disordered adult population, i.e., LD, MR, post CVA, stuttering, voice, hearing impairment, etc. Students can expect to be on site for at least three days/week.

Field of Study Restrictions: Must be enrolled in one of the following Majors: Spch Lang Hearing Science.
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate.

Repeatability: This course may be repeated for additional credit.

Pre-requisites:
CSCD 9387 Minimum Grade of B-|May not be taken concurrently
OR CSCD 9487 Minimum Grade of B-|May not be taken concurrently.
CSCD 9582. Independent Study - Communication Sciences. 1 to 6 Credit Hour.
Qualified students are permitted to conduct investigations and/or in-depth study under supervision of department faculty.

Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate.
Repeatability: This course may be repeated for additional credit.

CSCD 9587. Advanced Practicum in Aphasia. 2 Credit Hours.
This advanced-level practicum focuses on in-depth assessment and treatment of persons with aphasia and/or cognitive-linguistic deficits.

Field of Study Restrictions: Must be enrolled in one of the following Majors: Spch Lang Hearing Science.
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate.
Co-requisites: CSCD 5527.
Repeatability: This course may be repeated for additional credit.

Pre-requisites:
CSCD 4396|Minimum Grade of C|May not be taken concurrently.

CSCD 9980. Dissertation Seminar. 1 to 6 Credit Hour.
Current topics in speech-language-hearing research are explored.

Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate.
Repeatability: This course may be repeated for additional credit.

CSCD 9994. Preliminary Examination Preparation. 1 to 6 Credit Hour.
This course guides study for exams preliminary to a dissertation. Prior to enrollment, students must have completed all required coursework for the Ph.D. and obtain the approval of the Ph.D. Program Director. Students must be enrolled to take the required preliminary examinations.

Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate.
Repeatability: This course may be repeated for additional credit.

Pre-requisites:
CSCD 4396|Minimum Grade of C|May not be taken concurrently.

CSCD 9996. Thesis Seminar. 1 to 6 Credit Hour.
The preparation of a master's thesis is the goal of this course.

Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate.
Repeatability: This course may be repeated for additional credit.

CSCD 9998. Pre-Dissertation Research. 1 to 6 Credit Hour.
Development of a dissertation proposal is undertaken. Registration is required each semester after preliminary examination while a student is researching the dissertation proposal.

Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate.
Repeatability: This course may be repeated for additional credit.

Pre-requisites:
CSCD 9994|Minimum Grade of P|May not be taken concurrently.

CSCD 9999. Dissertation Research. 1 to 6 Credit Hour.
This course is limited to Ph.D. candidates who have completed and defended a dissertation proposal that is filed with the Graduate School by the last day to add a course in the semester. Continuous registration in 9999 fall and spring is required until the dissertation is successfully defended.

Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate.
Student Attribute Restrictions: Must be enrolled in one of the following Student Attributes: Dissertation Writing Student.
Repeatability: This course may be repeated for additional credit.

Pre-requisites:
CSCD 9998|Minimum Grade of P|May not be taken concurrently.