

# COMMUNICATION SCIENCES AND DISORDERS, B.S./M.S. (5-YEAR)

## Program Description

La Salle University offers a unique five-year Communication Sciences and Disorders major, leading to a Bachelor of Science and a Master of Science in speech-language pathology. Speech-language pathologists care for people of all ages and cultural backgrounds with communication and swallowing disorders. They assess, treat, and help prevent speech, language, cognitive-communication, voice, swallowing, fluency, and related disorders. The education of speech-language pathologists involves undergraduate coursework in communication sciences and disorders and graduate coursework and clinical experiences in speech-language pathology. A master's degree is the recognized credential in speech-language pathology. It is required for national certification, state licensure, and Pennsylvania teacher requirements for speech-language pathologists.

## Accreditation

The Master of Science (M.S.) education program in speech-language pathology (residential) at La Salle University is accredited by the Council on Academic Accreditation in Audiology and Speech-Language Pathology of the American Speech-Language-Hearing Association, 2200 Research Boulevard, #310, Rockville, MD 20850, 800-498-2071 or 301-296-5700.

## Certification and Licensure

The American Speech-Language-Hearing Association (ASHA) is the national professional, credentialing, and scientific organization for speech-language pathologists, audiologists, and speech-language-hearing scientists. To practice in most work settings, speech-language pathologists must hold a master's degree and become certified by ASHA. This certification is called the Certificate of Clinical Competence (CCC) and requires completing specific program coursework (including practicum), completing a supervised Clinical Fellowship (CF), and passing a national examination.

For more information about ASHA certification, please visit <https://www.asha.org/certification/>.

All 50 states require speech-language pathologists to be licensed to practice. For state-specific licensure information (including Pennsylvania, New Jersey, and Delaware), please visit State-by-State ([asha.org](http://www.asha.org)) (<http://www.asha.org>).

La Salle University's Department of Communication Sciences and Disorders has received approval for teacher certification for the Educational Specialist I School Speech & Language Pathologist PK-12 or the Teacher Instructional Certificate I for Speech and Language Impaired PK-12 from the Pennsylvania Department of Education (PDE) of the Commonwealth of Pennsylvania. Earning one of these certificates is required to work in the various school systems in Pennsylvania. Pennsylvania State Board regulations require candidates applying for either certificate to pass the appropriate Praxis test administered by the Educational Testing Service. Information about the Praxis Series Tests is available at <http://www.ets.org/praxis/pa> (<http://www.ets.org/praxis/pa/>). Other states may also require prospective teachers to take this or other examinations. In addition to all of the requirements for completing the Master's degree, the Department of Communication Sciences

and Disorders faculty must recommend candidates for Instructional I certificates. Recommendations are predicated upon completing all course requirements with a minimum cumulative GPA of 3.0 and a minimum GPA of 3.0 in CSD courses.

## Clinical Experiences

The Master of Science in Speech-Language Pathology offers clinical education at various practicum sites. The CSD Department has established strong ties with more than 250 schools, hospitals, private practices, and rehabilitation facilities for supervised clinical practicum affiliations in the greater Philadelphia area. Currently, these include acute-care hospitals (pediatric and adult); rehabilitation hospitals (pediatric and adult); specialized schools; elementary, middle, and high schools in Pennsylvania, New Jersey, and Delaware; intermediate units in Pennsylvania and educational services units in New Jersey; and private practices in Pennsylvania, New Jersey, and Delaware.

## The National Student Speech-Language-Hearing Association

The National Student Speech-Language-Hearing Association (NSSLHA) is a pre-professional membership association for students interested in communication sciences and disorders. La Salle University formed an ASHA-recognized NSSLHA chapter in 2002. Membership in the La Salle NSSLHA chapter is available to undergraduate and graduate students enrolled in one of the Communication Sciences and Disorders programs.

Student NSSLHA members can increase their involvement in the field by visiting professional work sites, engaging in group outreach programs, attending panel discussions, fundraising, and more. NSSLHA membership allows students to engage in leadership activities locally and nationally by promoting dialogue between students, professionals, and community members.

Visit the NSSLHA Web site: [www.nsslha.org](http://www.nsslha.org) (<http://www.nsslha.org>).

## CSD Student Handbook

The Communication Sciences and Disorders Student Handbook contains program-specific rules, guidelines, and procedures for progression and will be available to all students.

## Why Take This Major?

The Five-Year B.S. to M.S. Program in Speech-Language Pathology is an accelerated program in which students can earn a bachelor's and master's degree in five years. A master's degree is the entry-level degree needed to become a speech-language pathologist. This program is reserved for the most competitive students. Students with outstanding academic backgrounds can be admitted directly into the Five-Year Program as freshmen. High-achieving students admitted to the Communication Sciences and Disorders B.S. program as first-year students may be invited to apply to the Five-Year Program during their sophomore year. Please see the Communication Sciences and Disorders Student Handbook for criteria for the 5-Year B.S./M.S. program invitation.

## Degree Earned

B.S. and M.S.

## Required for Graduation

- Courses
  - Major: 24
  - Total: 40

- Credits
  - Major: 72-74
  - Total: 120 to earn B.S.
- GPA
  - Major: 3.5
  - Cumulative: 3.5 to earn B.S.
- The M.S. degree requires an additional 60 credits of graduate level courses and a GPA of 3.0

## Student Learning Outcomes

The following objectives reflect entry-level competency in all the basic human communication and swallowing areas, including articulation, fluency, voice and resonance, receptive and expressive language, hearing, including the impact on speech and language, swallowing, cognitive and social aspects of communication, and communication modalities.

The codes listed at the end of each objective refer to the current ASHA CFCC Certification Standards in Speech-Language Pathology.

- Demonstrate proficiency in oral and written communication sufficient for entry into professional practice. (V-A)
- Apply basic biological/physical science, statistics, and behavioral/social science to the study of communication and swallowing disorders. (IV-A)
- Analyze, synthesize, and evaluate information in the areas of basic human communication and swallowing processes. (IV-B)
- Contrast basic human communication and swallowing processes with communication and swallowing disorders and differences. (IV-B, IV-C)
- Demonstrate clinical skills in assessment, intervention, and prevention of human communication and swallowing disorders. (IV-C; IV-D; IV-E; V-B)
- Integrate and demonstrate ethical, legal, and professional standards in the provision of speech-language pathology services. (IV-E; IV-G; V-B)
- Integrate research with clinical knowledge to improve the evaluation and treatment of individuals with communication and swallowing disorders. (IV-B; IV-C; IV-D; IV-E; IV-F; IV-G; V-B)
- Critique professional issues in speech-language pathology and advocate for individuals with communication and swallowing disorders. (IV-D; IV-E; IV-F; IV-G)
- Pursue education and credentials necessary for obtaining/maintaining certification and licensure. Pursue ongoing professional development. (IV-G; IV-H; V-C; V-D; V-E; V-F, VI)
- Implement appropriate assessment and intervention for diverse client populations across the lifespan. (IV-B; IV-C; IV-D, V-B; V-F)
- Evaluate individuals with communication and swallowing disorders utilizing appropriate diagnostic tools. (IV-C; IV-D; V-B; V-F)
- Provide intervention for individuals with communication and swallowing disorders utilizing appropriate clinical methods and strategies. (IV-C, IV-D; V-B; V-F)
- Practice independently and collaboratively in various healthcare and educational systems in an appropriate professional manner. (IV-A through IV-H; V-A through V-F)

## Progress Chart

### Level One - Core Courses

12 courses and 2 modules required.

### Major Requirements

Major requirements include 4 Level Two ILO requirements, *fulfilled through the major*.

Students in this major must complete **40** courses in total in order to graduate. **24** courses will be from this major program.

Code	Title	Credits
<b>Level One - Core Courses</b>		
<i>Universal Required Courses</i>		
Students must complete the following 4 courses.		
ILO 8.1: Written Communication ( <a href="https://catalog.lasalle.edu/undergraduate/ilo/">https://catalog.lasalle.edu/undergraduate/ilo/</a> )		
ENG 110	College Writing I: Persuasion	3
ILO 5.1: Information Literacy ( <a href="https://catalog.lasalle.edu/undergraduate/ilo/">https://catalog.lasalle.edu/undergraduate/ilo/</a> )		
ENG 210	College Writing II: Research	3
ILO 1.1: Understanding Diverse Perspectives ( <a href="https://catalog.lasalle.edu/undergraduate/ilo/">https://catalog.lasalle.edu/undergraduate/ilo/</a> )		
FYS 130	First-Year Academic Seminar <sup>1</sup>	3
ILO 2.1: Reflective Thinking and Valuing ( <a href="https://catalog.lasalle.edu/undergraduate/ilo/">https://catalog.lasalle.edu/undergraduate/ilo/</a> )		
REL 100	Religion Matters	3
<i>Elective Core Courses</i>		
Students must complete 1 course in each of the following 4 ILOs.		
ILO 3.1a: Scientific Reasoning ( <a href="https://catalog.lasalle.edu/undergraduate/ilo/">https://catalog.lasalle.edu/undergraduate/ilo/</a> )		
BIO 161	Anatomy and Physiology (with lab)	4
	or BIO 158 Life Science: A Human Approach	
ILO 3.1b: Quantitative Reasoning ( <a href="https://catalog.lasalle.edu/undergraduate/ilo/">https://catalog.lasalle.edu/undergraduate/ilo/</a> )		
HSC 217	Statistics for Health Science Profs	3
ILO 6.1: Technological Competency ( <a href="https://catalog.lasalle.edu/undergraduate/ilo/">https://catalog.lasalle.edu/undergraduate/ilo/</a> )		
CSC 154	Healthcare Informatics	3
ILO 8.1a/12.1: Oral Communication/Collaborative Engagement ( <a href="https://catalog.lasalle.edu/undergraduate/ilo/">https://catalog.lasalle.edu/undergraduate/ilo/</a> )		
	Choose course within ILO ( <a href="https://catalog.lasalle.edu/undergraduate/ilo/">https://catalog.lasalle.edu/undergraduate/ilo/</a> )	3
<i>Distinct Discipline Core Courses</i>		
Students must complete 1 course in each of the following 4 ILOs. Each course must be from a different discipline. (A "discipline" is represented by the 3- or 4-letter prefix attached to each course.)		
ILO 4.1: Critical Analysis and Reasoning ( <a href="https://catalog.lasalle.edu/undergraduate/ilo/">https://catalog.lasalle.edu/undergraduate/ilo/</a> )		
SOC 150	Principles of Sociology	3
	or SOC 151 Social Problems and Social Policy	
ILO 9.1: Creative and Artistic Expression ( <a href="https://catalog.lasalle.edu/undergraduate/ilo/">https://catalog.lasalle.edu/undergraduate/ilo/</a> )		
	Choose course within ILO ( <a href="https://catalog.lasalle.edu/undergraduate/ilo/">https://catalog.lasalle.edu/undergraduate/ilo/</a> )	3

ILO 10.1: Ethical Understanding and Reasoning (<https://catalog.lasalle.edu/undergraduate/ilo/>)

Choose course within ILO (<https://catalog.lasalle.edu/undergraduate/ilo/>) 3

ILO 11.1: Cultural and Global Awareness and Sensitivity (<https://catalog.lasalle.edu/undergraduate/ilo/>)

SPN 103 Spanish For Nursing and Health Sciences I (or any other global language) 3

*Universal Required Modules*

Students must complete the following 2 non-credit modules. <sup>2</sup>

ILO 7.1a (<https://catalog.lasalle.edu/undergraduate/ilo/>)

Health Literacy Module

ILO 7.1b (<https://catalog.lasalle.edu/undergraduate/ilo/>)

Financial Literacy Module

**Major Requirements**

*Level Two*

Students must complete 1 course/learning experience in each of the 4 commitments.

ILO 2.2: Broader Identity (Capstone Course/Experience) (<https://catalog.lasalle.edu/undergraduate/ilo/>)

COSD 501 Introduction to Clinical Practicum (ILO 2.2) 3

Select one ILO from 3.2a, 3.2b, 4.2, 5.2, 6.2, 7.2a, or 7.2b: Expanded Literacies (<https://catalog.lasalle.edu/undergraduate/ilo/>)

COSD 314 Diagnostic Procedures in Speech-Language Pathology (ILO 4.2) 3

ILO 8.2b: Effective Expression (Writing-Intensive Course) (<https://catalog.lasalle.edu/undergraduate/ilo/>)

COSD 413 Professional Issues in Speech-Language Pathology (ILO 8.2b) 3

Select one ILO from 10.2, 11.2, or 12.2: Active Responsibility (<https://catalog.lasalle.edu/undergraduate/ilo/>)

COSD 409 Multicultural Perspectives on Communication Disorders (ILO 11.2) 3

*All Other Required Courses*

COSD 100 Introduction to Language and Communication 3

COSD 102 Introduction to Communication Disorders 3

COSD 200 Phonetics 3

COSD 202 Anatomy and Physiology of the Speech and Hearing Mechanisms 3

COSD 203 Speech and Language Development 3

COSD 211 Acoustic Bases of Speech and Hearing 3

COSD 304 Introduction to Audiology 3

COSD 306 Neurological Bases of Communication and Behavior 3

COSD 308 Clinical Procedures in Speech-Language Pathology 3

COSD 314 Diagnostic Procedures in Speech-Language Pathology 3

COSD 409 Multicultural Perspectives on Communication Disorders 3

COSD 413 Professional Issues in Speech-Language Pathology 3

COSD 501 Introduction to Clinical Practicum 3

COSD 502 Introduction to Aural Habilitation/Rehabilitation 3

COSD 503 Speech Sound Disorders 3

COSD 511 Stuttering and Other Fluency Disorders 3

COSD 512 Language Disorders in Young Children 3

COSD 513 Acquired Language Disorders 3

COSD 514 Language Learning Disabilities in School-Age Children and Adolescents 3

COSD 515 Voice Disorders 3

COSD 516 Clinical Practicum and Procedures 3

COSD 518 Research Design in Communication Disorders 3

COSD 520 Dysphagia: Diagnosis and Treatment of Swallowing Disorders 3

COSD 521 Advanced School Practicum in Speech-Language Pathology 3

COSD 527 Motor Speech Disorders 3

COSD 528 Counseling Seminar in Communication Disorders 3

COSD 614 Clinical Diagnostics in Speech-Language Pathology 3

COSD 616 Advanced Clinical Practicum and Case Study 3

COSD 619 Medical Speech-Language Pathology 3

COSD 635 Integrative Capstone in Communication Disorders 3

COSD Grad SLP Elective 3

COSD Grad SLP Elective 3

**Supporting Courses**

Select one of the following: 3

PHY 270 Special Topics

CHM 161 Chemistry of The Life Sciences & CHL 161 and Laboratory

PSY 155 Introduction to Psychology 3

*Free Electives*

In addition to the requirements listed above, students must take enough courses to the fulfill graduation credit requirements for their School and major.

**Total Credits 151**

1

NOTE. The following students use Level 2 Capstone Experience in Major instead of FYS 130 First-Year Academic Seminar: Honors, BUSCA, Core-to-Core, Transfer, and Non-Traditional/Evening.

2

The Modules are **not** required for Transfer Students, Core-to-Core Students, or BUSCA Students. BUSCA students are required to take modules if/when they pursue a bachelor's degree.

## Recommended Course Sequence

Course	Title	Credits
<b>First Year</b>		
<b>First Semester</b>		
ENG 110	College Writing I: Persuasion (ILO 8b)	3
SPN 103	Spanish For Nursing and Health Sciences I (ILO 11)	3
COSD 100	Introduction to Language and Communication	3
FYS (ILO 1)		3
BIO 161 or BIO 158	Anatomy and Physiology (Core3a) or Life Science: A Human Approach	4
<b>Credits</b>		<b>16</b>
<b>Second Semester</b>		
COSD 102	Introduction to Communication Disorders	3
Select one of the following: 3		
SPN 104	Spanish For Nursing and Health Sciences II	
Elective		

REL 100	Religion Matters (ILO 2)	3
PHY 270 or CHM 161	Special Topics or Chemistry of The Life Sciences	3
Any ILO 8/12		3
<b>Credits</b>		<b>15</b>
<b>Second Year</b>		
<b>First Semester</b>		
COSD 200	Phonetics	3
SOC 150 or SOC 151	Principles of Sociology (ILO 4) or Social Problems and Social Policy	3
ENG 210	College Writing II: Research (ILO 5)	3
COSD 202	Anatomy and Physiology of the Speech and Hearing Mechanisms	3
Any ILO 9		3
<b>Credits</b>		<b>15</b>
<b>Second Semester</b>		
COSD 203	Speech and Language Development	3
Any ILO 10		3
PSY 155	Introduction to Psychology	3
HSC 217	Statistics for Health Science Profs (ILO 3b)	3
COSD 211	Acoustic Bases of Speech and Hearing	3
<b>Credits</b>		<b>15</b>
<b>Third Year</b>		
<b>First Semester</b>		
CSC 154	Healthcare Informatics (ILO 6)	3
COSD 304	Introduction to Audiology	3
COSD 306	Neurological Bases of Communication and Behavior	3
Elective		3
Elective		3
<b>Credits</b>		<b>15</b>
<b>Second Semester</b>		
COSD 308	Clinical Procedures in Speech-Language Pathology	3
COSD 314	Diagnostic Procedures in Speech-Language Pathology	3
Elective		3
Elective		3
Elective		3
<b>Credits</b>		<b>15</b>
<b>Fourth Year</b>		
<b>First Semester</b>		
COSD 409	Multicultural Perspectives on Communication Disorders	3
COSD 413	Professional Issues in Speech-Language Pathology	3
COSD 501	Introduction to Clinical Practicum	3
COSD 503	Speech Sound Disorders	3
COSD 512	Language Disorders in Young Children	3
COSD 518	Research Design in Communication Disorders	3
<b>Credits</b>		<b>18</b>
<b>Second Semester</b>		
COSD 513	Acquired Language Disorders	3
COSD 515	Voice Disorders	3
COSD 516	Clinical Practicum and Procedures	3
COSD 520	Dysphagia: Diagnosis and Treatment of Swallowing Disorders	3
COSD Grad Elective (opt)		0-3
<b>Credits</b>		<b>12-15</b>
<b>Fifth Year</b>		
<b>Summer</b>		
COSD 614	Clinical Diagnostics in Speech-Language Pathology	3
COSD 619	Medical Speech-Language Pathology	3
COSD Grad Elective (opt)		0-3
COSD Grad Elective (opt)		0-3
<b>Credits</b>		<b>6-12</b>

<b>First Semester</b>		
COSD 514	Language Learning Disabilities in School-Age Children and Adolescents	3
COSD 527	Motor Speech Disorders	3
COSD 616 or COSD 521	Advanced Clinical Practicum and Case Study or Advanced School Practicum in Speech-Language Pathology	3
COSD 528	Counseling Seminar in Communication Disorders	3
COSD Elective (opt)		0-3
<b>Credits</b>		<b>12-15</b>
<b>Second Semester</b>		
COSD 502	Introduction to Aural Habilitation/Rehabilitation	3
COSD 511	Stuttering and Other Fluency Disorders	3
COSD 635	Integrative Capstone in Communication Disorders	3
COSD 616 or COSD 521	Advanced Clinical Practicum and Case Study or Advanced School Practicum in Speech-Language Pathology	3
COSD Elective (opt)		0-3
<b>All CSD Five-Year students must take 2 graduate electives</b>		
<b>Credits</b>		<b>12-15</b>
<b>Total Credits</b>		<b>151-166</b>

## Communication Sciences and Disorders (CSD) and Spanish Double Major

The Communication Sciences and Disorders/Spanish double major aims to provide its students with the pre-clinical, linguistic, and cultural foundations, which in addition to a master's degree in speech-language pathology, are necessary to treat and work with patients that are bilingual English/Spanish, as well as those that are Spanish speakers with limited English proficiency. Those wishing to become CSD/Spanish double majors must have their Spanish assessed by a Language faculty member to begin their studies at the appropriate level. After placement, students will follow the carefully designed course sequence prepared by the CSD and Languages departments.

### Requirements

Fulfill the requirements of the CSD major, as outlined by the Department of Communication Sciences and Disorders, and 10 Spanish courses starting at the intermediate level or higher.

### Minimum Requirements for Spanish

Code	Title	Credits
SPN 205 & SPN 206	Intermediate Spanish For Nursing and Health Sciences I and Intermediate Spanish For Nursing and Health Sciences II <sup>1</sup>	6
SPN 301 & SPN 302	Conversation and Composition I and Conversation and Composition II <sup>2</sup>	6
SPN 420	Spanish For Speech-Language Pathologists	3
SPN 421	Bilingualism in Spanish-English Speakers: Development and Disorder	3
SPN 422	Introduction to Spanish Phonetics and Phonology	3
SPN 423	Introduction to Spanish Dialectology	3
	One 300/400 level Literature or Culture Course on Spain	3
	Select one of the following:	3
	One 300/400 level Literature or Culture Course on Latin America	
SPN 307	Commercial Spanish	
<b>Total Credits</b>		<b>30</b>

1

Students placing above the intermediate level will not take SPN 205 Intermediate Spanish For Nursing and Health Sciences I or SPN 206 Intermediate Spanish For Nursing and Health Sciences II. Instead of these intermediate courses, students will take additional 300/400 level Spanish courses to fulfill their requirements.

2

Heritage speakers of Spanish will take SPN 203 Spanish For Heritage Speakers and SPN 204 Spanish For Heritage Speakers II, Spanish for Heritage Speakers I and II, instead of SPN 301 Conversation and Composition I and SPN 302 Conversation and Composition II.

## Course Descriptions

### Communication Sciences and Disorders

#### COSD 100 Introduction to Language and Communication

This course presents an introduction to linguistics, which is the study of human language and communication. Each major branch of linguistics is surveyed with an emphasis on the structure, content, and use of English. This course also explores language variation and the relationship between language and culture, language and the brain, and how children develop language. Students practice techniques for linguistic analysis, and clinical applications to the fields of speech-language pathology and psychology are discussed. This class is cross-listed with PSY 242.

#### COSD 100P Introduction to Language and Communication

This course presents an introduction to linguistics, which is the study of human language and communication. Each major branch of linguistics is surveyed with an emphasis on the structure, content, and use of English. This course also explores language variation and the relationship between language and culture, language and the brain, and how children develop language. Students practice techniques for linguistic analysis, and clinical applications to the fields of speech-language pathology and psychology are discussed. Restriction(s): For PreSLP Students only. Not available to CSD day students. Students must have a minimum of a bachelor's degree

#### COSD 102 Introduction to Communication Disorders

This course is an introductory survey of normal processes and disorders of speech, language, and hearing. The behavioral and social consequences of communication disorders in people throughout the life span are presented. Different categories, symptoms, and causes of communication disorders are examined. The roles of the Speech-Language Pathologist and Audiologist in the evaluation and treatment of communication disorders are discussed. Preferred American Speech-Language Hearing Association (ASHA) practice patterns pertaining to a variety of professional situations are surveyed. Restriction(s): CSD majors and minors

#### COSD 102P Introduction to Communication Disorders

This course is an introductory survey of normal processes and disorders of speech, language, and hearing. The behavioral and social consequences of communication disorders in people throughout the life span are presented. Different categories, symptoms, and causes of communication disorders are examined. The roles of the speech-language pathologist and audiologist in the evaluation and treatment of communication disorders are discussed. Preferred American Speech-Language-Hearing Association (ASHA) practice patterns pertaining to a variety of professional situations are surveyed. Restriction(s): For PreSLP Students only. Not available to CSD day students. Students must have a minimum of a bachelor's degree

#### COSD 200 Phonetics

This course involves the exploration and study of American English pronunciation through the application of the International Phonetic Alphabet (IPA). Students will be trained in transcription of English phonemes and allophones and introduced to distinctive feature analysis, phonological rules, prosodic features, and dynamics of articulation, American dialectal variants, and developmental phonology. Restriction(s): CSD majors and minors

#### COSD 200P Phonetics

This course involves the exploration and study of American English pronunciation through the application of the International Phonetic Alphabet (IPA). Students will be trained in transcription of English phonemes and allophones and introduced to distinctive feature analysis, phonological rules, prosodic features, dynamics of articulation, American dialectal variants, and developmental phonology. Restriction(s): For PreSLP Students only. Not available to CSD day students. Students must have a minimum of a bachelor's degree

#### COSD 201 Introduction to Sign Language

This course is designed for students with no previous knowledge of American Sign Language (ASL). Students will acquire basic ASL skills needed to communicate in a wide variety of situations.

#### COSD 202 Anatomy and Physiology of the Speech and Hearing Mechanisms

This course is designed to give students a basic understanding of the structural organization (anatomy), function (physiology), and neural control for speech production and hearing. The course will emphasize both normal and disordered systems. Restriction(s): CSD majors and minors Prerequisite(s): BIO 158 or BIO 210 or BIO 161 or permission of instructor.

#### COSD 202P Anatomy And Physiology of the Speech and Hearing Mechanisms

This course is designed to give students a basic understanding of the structural organization (anatomy), function (physiology), and neural control for speech production and hearing. The course will emphasize both normal and disordered systems. Two hours lecture, four hours laboratory. Restriction(s): For PreSLP Students only. Not available to CSD day students. Students must have a minimum of a bachelor's degree Prerequisite(s): BIO 158 or BIO 210 or BIO 161 and BIO 162, or BIO 164P WB, or permission of instructor.

#### COSD 203 Speech and Language Development

This course explores typical language development from birth through adolescence. The social, biological, perceptual, and cognitive bases of language are presented, and various theories of language development are compared. Students gain knowledge of the typical sequence of development in the areas of phonology, semantics, morphology, syntax, and pragmatics through language sample analysis and video observation. Other topics include bilingual language acquisition, cultural and linguistic variation, and the relationship between oral language development and literacy. Processes of typical language development are discussed as a guide for the evaluation and treatment of children with developmental language disorders. This course is cross-listed with PSY 342. Restriction(s): CSD majors and minors Prerequisite(s): COSD 100 or permission of instructor

**COSD 203P Language Development**

This course explores typical language development from birth through adolescence. The social, biological, perceptual, and cognitive bases of language are presented, and various theories of language development are compared. Students gain knowledge of the typical sequence of development in the areas of phonology, semantics, morphology, syntax, and pragmatics through language sample analysis and video observation. Other topics include bilingual language acquisition, cultural and linguistic variation, and the relationship between oral language development and literacy. Processes of typical language development are discussed as a guide for the evaluation and treatment of children with developmental language disorders. Restriction(s): For PreSLP Students only. Not available to CSD day students. Students must have a minimum of a bachelor's degree Prerequisite(s): COSD 100, COSD 100P W, or permission of instructor.

**COSD 211 Acoustic Bases of Speech and Hearing**

This course explores the physical characteristics of speech sounds and the psychophysical processes involved in speech production, hearing, and speech perception. This course introduces the physical properties of sound waves, resonance, the source-filter theory, spectrogram reading, decibels, and speech perception. Computer applications with practical implications are explored. Restriction(s): CSD majors and minors Prerequisite(s): COSD 200 or permission of instructor

**COSD 211P Acoustic Bases of Speech and Hearing**

This course explores the physical characteristics of speech sounds and the psychophysical processes involved in speech production, hearing, and speech perception. This course introduces the physical properties of sound waves, resonance, the source-filter theory, spectrogram reading, decibels, and speech perception. Computer applications with practical implications are explored. Restriction(s): For PreSLP Students only. Not available to CSD day students. Students must have a minimum of a bachelor's degree.

**COSD 304 Introduction to Audiology**

This course is a survey of the field of audiology, including the measurement of hearing and the nature and causes of hearing impairment in infants, children, and adults. Students are introduced to strategies used by audiologists and physicians in managing hearing impairment. Restriction(s): CSD majors and minors

**COSD 304P Introduction to Audiology**

This course is a survey of the field of audiology, including the measurement of hearing and the nature and causes of hearing impairment in infants, children, and adults. Students are introduced to strategies used by audiologists and physicians in managing hearing impairment. Restriction(s): For PreSLP Students only. Not available to CSD day students. Students must have a minimum of a bachelor's degree

**COSD 306 Neurological Bases of Communication and Behavior**

This course is an examination of the structure (neuroanatomy), organization (neurophysiology), and functions of the central and peripheral nervous systems as they relate to speech, language, hearing, and cognition. Behavioral manifestations of normal and abnormal brain functioning are contrasted. Restriction(s): CSD majors and minors Prerequisite(s): COSD 202 or permission of instructor

**COSD 306P Neurological Bases of Communication and Behavior**

This course is an examination of the structure (neuroanatomy), organization (neurophysiology), and functions of the central and peripheral nervous systems as they relate to speech, language, hearing, and cognition. Behavioral manifestations of normal and abnormal brain functioning are contrasted. Restriction(s): For PreSLP Students only. Not available to CSD day students. Students must have a minimum of a bachelor's degree Prerequisite(s): COSD 202 or COSD 202P W or equivalent, or permission of instructor.

**COSD 308 Clinical Procedures in Speech-Language Pathology**

This course introduces the communication sciences and disorders major to the clinical and supervisory process. Basic information regarding certification, professional standards, and ethics are discussed. Goal setting, lesson planning, methods of observing, describing and recording behavior, informal assessment and related topics are also discussed. Behavioral observation and computer technology in the measurement and modification of speaker/listener attributes are examined. Students develop clinical writing skills appropriate to various speech-language pathology settings. This course is an introduction to the clinical process and requires observation of a wide variety of clinical cases. Restriction(s): For CSD majors and minors Prerequisite(s): COSD 102, COSD 200, COSD 203, or permission of instructor

**COSD 308P Clinical Procedures in Speech and Language Pathology**

This course introduces the speech-language-hearing science major to the clinical and supervisory process. Basic information regarding certification, professional standards, and ethics are discussed. Goal setting, lesson planning, methods of observing, describing and recording behavior, informal assessment, and related topics are also discussed. Behavioral observation and computer technology in the measurement and modification of speakerlistener attributes are examined. Students develop clinical writing skills appropriate to various speech-language pathology settings. This course is an introduction to the clinical practicum experience and requires observation of a wide variety of clinical cases. Restriction(s): For PreSLP Students only. Not available to CSD day students. Students must have a minimum of a bachelor's degree Prerequisite(s): COSD 102, COSD 200, COSD 203, COSD 102P W, COSD 200 P W, COSD 203 P W, or equivalents, or permission of instructor.

**COSD 314 Diagnostic Procedures in Speech-Language Pathology**

This course provides students majoring in Communication Sciences and Disorders with a framework for understanding the diagnostic process in speech-language pathology. Principles and procedures common to the diagnosis of most communication and swallowing disorders are presented. Students will gain practice obtaining and interpreting assessment information including case history interviews, standardized testing, and informal assessments. Professional report writing and the presentation of findings are emphasized. Culturally and linguistically responsive assessment practices are presented. The ASHA Code of Ethics in relation to assessment procedures is discussed. Restriction(s): CSD majors and minors Prerequisite(s): COSD 102, COSD 200, COSD 203, or permission of instructor

**COSD 314P Diagnostic Procedures in Speech and Language Pathology**  
 This course provides students majoring in Communication Sciences and Disorders with a framework for understanding the diagnostic process in speech-language pathology. Principles and procedures common to the diagnosis of most communication and swallowing disorders are presented. Students will gain practice obtaining and interpreting assessment information including case history interviews, standardized testing, and informal assessments. Professional report writing and the presentation of findings are emphasized. Culturally and linguistically responsive assessment practices are presented. The ASHA Code of Ethics in relation to assessment procedures is discussed. Restriction(s): For PreSLP Students only. Not available to CSD day students. Students must have a minimum of a bachelor's degree Prerequisite(s): COSD 102, COSD 200, COSD 203, COSD 102P W COSD 200P W, COSD 203 P W, or equivalents, or permission of instructor.

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**COSD 409 Multicultural Perspectives on Communication Disorders**  
 This course presents students with issues related to cross-linguistic and cross-cultural differences as they affect clinicians in the field of communication sciences and disorders. Topics include important sociolinguistic concepts, cross-cultural communication, assessment alternatives, and intervention strategies. Non-biased diagnosis and remediation of speech, language, fluency, voice, and hearing disorders among culturally and linguistically diverse groups are discussed. Restriction(s): CSD majors and minors Prerequisite(s): COSD 102, COSD 200 or permission of instructor

**COSD 413 Professional Issues in Speech-Language Pathology**  
 This course examines the organization, administration, and implementation of speech and language pathology services in varied settings. These settings include public and private schools; special schools; clinics; rehabilitation hospitals and agencies; acute-care hospitals; and private practices. The course emphasizes the professional role of the SLP and discusses the ethical, legal, and professional standards of practice. The impact of external pressures, e.g., fiscal and efficacy issues, on the practice of speech-language pathology is also addressed. Multicultural variables impacting the practice of speech-language pathology from the legal and ethical perspectives are discussed. Prerequisite(s): COSD 308 or permission of instructor

**COSD 435 Communication Sciences and Disorders Undergraduate Capstone**

This course reviews and integrates knowledge of normal human communication and contrasts it with disordered human communication and swallowing, preparing the student for graduate education. As part of the review the student will complete clinical observation hours as an introduction to the clinical practicum experience and requires observation of a wide variety of clinical cases. Goal setting, lesson planning, methods of observing, describing and recording behavior, informal assessment and related topics are also discussed. The student develops clinical writing skills appropriate to various speech-language pathology service delivery settings. This meets ILO 2.2 Students examine how their personal, professional, religious, or spiritual values inform their disciplinary worldviews. Restriction(s): CSD majors Prerequisite(s): COSD 409 and COSD 413

**COSD 444 Independent Research**

**COSD 471 Special Topics**

## Program Contact Information

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