COMMUNICATION SCIENCES AND DISORDERS, B.S.

Studying communication sciences and disorders at Saint Louis University will prepare you for a career as a speech-language pathologist or audiologist. Speech-language pathologists help prevent, identify, assess and treat communication and swallowing disorders, while audiologists help prevent, identify, assess and treat hearing disorders.

If you choose to major in communication sciences and disorders at Saint Louis University, you will observe adults and children with a variety of speech, language and auditory disorders during your undergraduate years. Following the completion of your required courses, you'll also have an opportunity to participate in an elective clinical practicum. Many students also choose to study abroad.

SLU’s program requires 38 credits of communication sciences and disorders coursework along with the required credits of Doisy College of Health Sciences core curriculum. It also requires 25 credits of clinical observation and completion of a capstone project.

Speech-language pathologists help prevent, identify, assess and provide treatment for communication and swallowing disorders to improve outcomes and quality of life of the client and their families. These include language development, acquired language disorders, stuttering and voice and articulation disorders. Disorders related to literacy also have become an area of focus for speech-language pathologists. Speech-language pathologists provide service to children and adults and work in a variety of settings including schools, hospitals, rehabilitation agencies, nursing homes, private practice and private clinics such as the Saint Louis University Speech-Language-Hearing Clinic.

Audiologists help prevent, identify, assess and treat hearing disorders. Audiologists also evaluate hearing, prescribe and dispense hearing aids, program cochlear implants, assess balance and provide intervention for auditory processing disorders to improve auditory skills, outcomes and quality of life for clients and their families. Audiologists are also involved in monitoring nerve function during surgery. Audiologists work in a variety of settings, including physician offices, hospitals, rehabilitation agencies, nursing homes, private practice and schools.


Curriculum Overview
Requirements for the degree include:

- 3.00 cumulative GPA
- 25 hours of clinical observation
- Capstone project
- A minimum of 120 credits (33 credits from core curriculum in addition to 38 credits are required for the major)

SLU undergraduate students in communication sciences and disorders are encouraged to participate in research activities, either faculty-guided independent research or as a research assistant. Such activities provide learning experiences outside the classroom and serve to focus interest in the discipline. In addition to enriching the undergraduate curriculum, engaging in research is a valuable way to prepare for graduate studies.

All students in the program experience guided observation of adults and children with a variety of speech, language and hearing disorders. Undergraduate students meeting all pre-requisites have the opportunity to participate in an elective clinical practicum, typically done the second semester of their senior year.

Clinical and Research Opportunities
Students will observe adults and children with a variety of speech, language and auditory disorders. Following the completion of required courses, students also have an opportunity to participate in an elective clinical practicum.

The senior-year capstone course allows students to actively participate in communication sciences and disorders research.

Careers
Speech-language pathologists typically need a master's degree to practice. Most speech-language pathologists work in schools or health care facilities.

A doctoral degree (either a Ph.D. or an Au.D.) is required for audiologists entering the profession. Most audiologists work in health care facilities.

An undergraduate degree in communication sciences and disorders can also act as preparation for other professional degrees such as medicine, special education or public health.

For those not wishing to pursue an additional degree, one can practice as a speech-language pathology assistant in many states with a B.A. in communication sciences and disorders. Furthermore, some graduates have gotten jobs as research assistants or patient care advocates with a B.A. alone.

Speech-language pathology and audiology professions offer excellent opportunities for employment. According to the U.S. Bureau of Labor Statistics, the job outlook for both professions is positive, with both professions projected to experience “much faster than average growth” in the next decade. Forbes ranks speech-language pathology as a top-25 job of 2019.

Speech-language pathologists and audiologists are employed in a variety of settings such as schools, hospitals, nursing homes, rehabilitation agencies and private clinics or practices.

Admission Requirements

Freshman Admission

- High School diploma or acceptable score on the General Educational Development Test (GED)
- Minimum cumulative GPA of 2.50 on a 4.00 scale
- Minimum ACT score of 20

Transfer Admission

Transfer applicants are encouraged to meet with the department for evaluation of their transcript. A 2.50 cumulative GPA is required.

Scholarships and Financial Aid

There are two principal ways to help finance a Saint Louis University education:

- Scholarships: Awarded based on academic achievement, service, leadership and financial need.
• **Financial Aid:** Provided in the form of grants and loans, some of which require repayment.

For priority consideration for merit-based scholarships, apply for admission by Dec. 1 and complete a Free Application for Federal Student Aid (FAFSA) by March 1.

For information on other scholarships and financial aid, visit the student financial services office online at https://www.slu.edu/financial-aid/.

**Leveling Option**
The leveling option is designed for students who wish to pursue a graduate degree in speech-language pathology or audiology and who already have a baccalaureate degree in a different discipline. The curriculum (32 credits) of the leveling option is based on the Department of Communication Sciences and Disorders undergraduate curriculum and is designed to provide the courses necessary to apply to a graduate program in one of these professions.


**Accreditation**
The master’s program with the Department of Communication Sciences and Disorders education program in speech-language pathology at Saint Louis University is accredited by the Council on Academic Accreditation in Audiology and Speech-Language Pathology of the American Speech-Language-Hearing Association, 220 Research Boulevard, #310, Rockville, MD 20850, 800-498-2071 or 301-296-5700. http://caa.asha.org

For more information about the SLU Communication Sciences and Disorders program Student Outcomes Data (completion rates, Praxis exam pass rates and employment rates), CAA complaint policy and additional accreditation information, please see Student Outcome Data and Additional Accreditation Information below.

Student Outcome Data and Additional Accreditation Information (https://www.slu.edu/doisy/degrees/program-pdfs/csd-accreditation-0218.pdf)

**Learning Outcomes**
1. Graduates will be able to demonstrate an understanding of the marginalized status of individuals with disabilities.
2. Graduates will be able to identify how students' actions can impact their professional decisions with ethical consequences.
3. Graduates will be able to apply the principles of evidence-based research to understand typical speech and language development.
4. Graduates will be able to apply the principles of evidence-based practice to identify acceptable treatment methodologies.

**Requirements**
Students in SLU’s communication sciences and disorders undergraduate program take the following courses.

**Standard**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 1931</td>
<td>Special Topics</td>
<td>3</td>
</tr>
</tbody>
</table>

**Curriculum Plan**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 1931</td>
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<td>3</td>
</tr>
</tbody>
</table>

**Optional Courses**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSDI 1000</td>
<td>Introduction to Communication Sciences and Disorders</td>
<td>3</td>
</tr>
<tr>
<td>CSDI 1420</td>
<td>Deaf Culture and Sign Language</td>
<td></td>
</tr>
<tr>
<td>CSDI 4050</td>
<td>Research Seminar</td>
<td></td>
</tr>
<tr>
<td>CSDI 4060</td>
<td>Research Practicum</td>
<td></td>
</tr>
<tr>
<td>CSDI 4350</td>
<td>Professional Writing &amp; Documentation for the SLP and AuD</td>
<td>1</td>
</tr>
<tr>
<td>CSDI 4600</td>
<td>Advanced Audiology</td>
<td></td>
</tr>
<tr>
<td>CSDI 4700</td>
<td>Clinical Practicum</td>
<td></td>
</tr>
<tr>
<td>CSDI 4900</td>
<td>Speech Sound Disorders Assessment &amp; Treatment</td>
<td>2</td>
</tr>
</tbody>
</table>

**Total Credits**

71

**Continuation Standards**

All communication sciences and disorders courses must be completed with a grade of C or higher in order to count for the major (courses may only be taken twice). Students must maintain a 2.90 cumulative GPA as freshmen and sophomores, a 2.75 cumulative GPA as juniors, a 2.90 cumulative GPA as seniors and a 3.0 cumulative GPA is required to graduate. Students will be dismissed from the program if they are on probation for three semesters and do not meet the GPA requirements.
CSD Scholars

<table>
<thead>
<tr>
<th>Code</th>
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<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 1931</td>
<td>Special Topics</td>
<td>3</td>
</tr>
<tr>
<td>CMM 1200</td>
<td>Public Speaking</td>
<td>3</td>
</tr>
<tr>
<td>or THR 2540</td>
<td>Voice &amp; Diction</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 1500</td>
<td>The Process of Composition (must take if received 25 or below on ACT)</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 1900</td>
<td>Advanced Strategies of Rhetoric and Research</td>
<td>3</td>
</tr>
<tr>
<td>MATH 1300</td>
<td>Elementary Statistics with Computers</td>
<td>3</td>
</tr>
<tr>
<td>or STAT 1100</td>
<td>Introduction to Statistics</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 1050</td>
<td>Intro to Physics of Human Body</td>
<td>3</td>
</tr>
<tr>
<td>or CHEM 1050</td>
<td>Basic Chemistry</td>
<td>3</td>
</tr>
<tr>
<td>PHIL XXXX</td>
<td>Philosophy elective</td>
<td>3</td>
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<tr>
<td>THEO XXXX</td>
<td>Theology elective</td>
<td>3</td>
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<tr>
<td>XXXX</td>
<td>Fine Art elective</td>
<td>3</td>
</tr>
<tr>
<td>XXXX</td>
<td>Modern Foreign Language elective</td>
<td>3</td>
</tr>
<tr>
<td>PSY XXXX</td>
<td>Psychology elective</td>
<td>3</td>
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</tbody>
</table>

Required Courses

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSDI 2000</td>
<td>Phonetics</td>
<td>2</td>
</tr>
<tr>
<td>CSDI 2200</td>
<td>Anatomy and Physiology of the Speech Mechanism</td>
<td>3</td>
</tr>
<tr>
<td>CSDI 2400</td>
<td>Cultural Linguistic Diversity</td>
<td>3</td>
</tr>
<tr>
<td>CSDI 3200</td>
<td>Speech Science</td>
<td>3</td>
</tr>
<tr>
<td>CSDI 3400</td>
<td>Hearing Science</td>
<td>3</td>
</tr>
<tr>
<td>CSDI 3700</td>
<td>Speech and Language Development</td>
<td>3</td>
</tr>
<tr>
<td>CSDI 4150</td>
<td>Survey of Speech &amp; Language Disorders</td>
<td>3</td>
</tr>
<tr>
<td>CSDI 4200</td>
<td>Audiology: Basic Audiology</td>
<td>3</td>
</tr>
<tr>
<td>CSDI 4300</td>
<td>Clinical Methods</td>
<td>3</td>
</tr>
<tr>
<td>CSDI 4350</td>
<td>Professional Writing &amp; Documentation for the SLP and AuD</td>
<td>1</td>
</tr>
<tr>
<td>CSDI 4400</td>
<td>Aural Rehabilitation</td>
<td>3</td>
</tr>
<tr>
<td>CSDI 4500</td>
<td>Neurological Basis of Communication</td>
<td>3</td>
</tr>
<tr>
<td>CSDI 4600</td>
<td>Advanced Audiology</td>
<td>2</td>
</tr>
<tr>
<td>or CSDI 4900</td>
<td>Speech Sound Disorders Assessment &amp; Treatment</td>
<td>2</td>
</tr>
<tr>
<td>CSDI 4700</td>
<td>Clinical Practicum</td>
<td>1</td>
</tr>
<tr>
<td>CSDI 4800</td>
<td>Senior Seminar</td>
<td>2</td>
</tr>
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</table>

Optional Courses

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSDI 1000</td>
<td>Introduction to Communication Sciences and Disorders</td>
<td>3</td>
</tr>
<tr>
<td>CSDI 1420</td>
<td>Deaf Culture and Sign Language (or elective)</td>
<td>2</td>
</tr>
<tr>
<td>ENGL 1500</td>
<td>The Process of Composition (If received 25 or higher on ACT, can take elective instead)</td>
<td>3</td>
</tr>
<tr>
<td>IPE 1100</td>
<td>Introduction to Interprofessional Health Care (Or Elective)</td>
<td>1</td>
</tr>
<tr>
<td>STAT 1100</td>
<td>Introduction to Statistics</td>
<td>3</td>
</tr>
<tr>
<td>or MATH 1300</td>
<td>Elementary Statistics with Computers</td>
<td>3</td>
</tr>
<tr>
<td>PHIL XXXX</td>
<td>Philosophy elective</td>
<td>3</td>
</tr>
</tbody>
</table>

Continuation Standards

CSD Scholars must maintain a 3.5 cumulative GPA through completion of the bachelor’s degree and obtain a 'B' or higher in all CSD Scholars. In addition, CSD Scholars must enroll in CSDI 4600 or 4900 as and advanced course senior year and enroll in CSDI 4700 during spring of senior year. Finally, CSD Scholars must obtain at least 15 clinical clock hours and 25 observation hours.

Minor

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSDI 1000</td>
<td>Introduction to Communication Sciences and Disorders</td>
<td>3</td>
</tr>
<tr>
<td>CSDI 2000</td>
<td>Phonetics</td>
<td>2</td>
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<tr>
<td>CSDI 2400</td>
<td>Foundations of Language</td>
<td>3</td>
</tr>
<tr>
<td>CSDI 3700</td>
<td>Speech and Language Development</td>
<td>3</td>
</tr>
<tr>
<td>CSDI 4200</td>
<td>Audiology: Basic Audiology</td>
<td>3</td>
</tr>
</tbody>
</table>

Choose One of the Following:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSDI 4150</td>
<td>Survey of Speech &amp; Language Disorders</td>
<td>3</td>
</tr>
<tr>
<td>CSDI 4400</td>
<td>Aural Rehabilitation</td>
<td>3</td>
</tr>
<tr>
<td>CSDI 4500</td>
<td>Neurological Basis of Communication</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Credits 17

Continuation Standards

All CSD courses must be completed with a grade of C or higher in order to count for the minor.

Roadmap

Roadmaps are recommended semester-by-semester plans of study for programs and assume full-time enrollment unless otherwise noted.

Courses and milestones designated as critical (marked with !) must be completed in the semester listed to ensure a timely graduation. Transfer credit may change the roadmap.

This roadmap should not be used in the place of regular academic advising appointments. All students are encouraged to meet with their advisor/mentor each semester. Requirements, course availability and sequencing are subject to change.

Standard

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall</td>
<td>Introduction to Communication Sciences and Disorders (Or Elective)</td>
<td>3</td>
</tr>
<tr>
<td>CSDI 1420</td>
<td>Deaf Culture and Sign Language (or elective)</td>
<td>2</td>
</tr>
<tr>
<td>ENGL 1500</td>
<td>The Process of Composition (If received 25 or higher on ACT, can take elective instead)</td>
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<td>IPE 1100</td>
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<tr>
<td>STAT 1100</td>
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<td>3</td>
</tr>
<tr>
<td>or MATH 1300</td>
<td>Elementary Statistics with Computers</td>
<td>3</td>
</tr>
<tr>
<td>PHIL XXXX</td>
<td>Philosophy elective</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Credits 15

Spring

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSDI 2400</td>
<td>Foundations of Language</td>
<td>3</td>
</tr>
<tr>
<td>IPE 3500</td>
<td>Health Care Systems and Health Promotion (Or Elective)</td>
<td>3</td>
</tr>
</tbody>
</table>
PSY 1010  General Psychology  3
XXX  Modern Foreign Language Elective  3
THEO 1XXX  Theology  3

Credits  15

Year Two

Fall
CSDI 2000  Phonetics  2
CSDI 2200  Anatomy and Physiology of the Speech Mechanism  3
CSDI 3400  Hearing Science  3
EDSP 4310  Ed & Psych of the Exp Ind (Or Elective)  3
ENGL 1900  Advanced Strategies of Rhetoric and Research  3
HCE 2010 or PHIL 2050  Foundations in Clinical Health Care Ethics or Ethics  3

Credits  17

Spring
CSDI 3200  Speech Science  3
XXX  Human Development Across the Lifespan Elective  1
XXX  Fine Art Elective  3
XXX  Elective  3
XXX  Elective  3

Credits  12

Year Three

Fall
BIOL 1931  Special Topics  3
CSDI 3700  Speech and Language Development  3
EDSP 3700  Intro to Disabilities Studies (Or Elective)  3
PSY XXXX  Psychology Elective  3
XXX  Elective  3

Credits  15

Spring
CSDI 3000  Cultural Linguistic Diversity  3
CSDI 4150  Survey of Speech & Language Disorders  3
CSDI 4200  Audiology: Basic Audiometry  3
THR 2540 or CMM 1200  Voice & Diction or Public Speaking  3
XXX  Elective  3

Credits  15

Year Four

Fall
Participation in / Completion of 25 observation hours by mid-December, if you plan to take CSDI 4700, otherwise by mid-April of Senior year for graduation
CSDI 4300  Clinical Methods  3
CSDI 4350  Professional Writing & Documentation for the SLP and AuD  1
CSDI 4400  Aural Rehabilitation  3
ENGL 4000  Business and Professional Writing (or elective)  3
XXX  Elective  3

Credits  15

Spring
CSDI 4500  Neurological Basis of Communication  3
CSDI 4600  Advanced Audiology (or CSDI Elective)  2
CSDI 4650  Counseling (Or Elective)  2
CSDI 4700  Clinical Practicum (or CSDI Elective)  1
CSDI 4800  Senior Seminar  2
EDSP 3560  Special Ed. Process (Or Elective)  2
XXX  Elective  3

Credits  15

Total Credits  120

Program Notes
If you plan to take CSDI 4700, you must complete 25 observation hours by mid-December; otherwise, by mid-April as this is a graduation requirement.

Minimum credits for graduation is 120

CSD Scholars

<table>
<thead>
<tr>
<th>Course</th>
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<th>Credits</th>
</tr>
</thead>
</table>
| Year One
| Fall
| CSDI 1000  | Introduction to Communication Sciences and Disorders (Or Elective) | 3 |
| CSDI 1420  | Deaf Culture and Sign Language (or elective) | 2 |
| ENGL 1500  | The Process of Composition (If received 25 or higher on ACT, can take elective instead) | 3 |
| IPE 1100  | Introduction to Interprofessional Health Care (Or Elective) | 1 |
| STAT 1100 or MATH 1300  | Introduction to Statistics or Elementary Statistics with Computers | 3 |
| PHIL XXXX  | Philosophy Elective | 3 |
| Credits  | 15 |
| Spring
| CSDI 2400  | Foundations of Language | 3 |
| IPE 3500  | Health Care Systems and Health Promotion (Or Elective) | 3 |
| PHYS 1050 or CHEM 1080  | Intro to Physics of Human Body or Principles of Chemistry 1 Lecture | 3 |
| XXXX  | Modern Foreign Language Elective | 3 |
| THEO 1XXX  | Modern Foreign Language Elective | 3 |
| Credits  | 15 |
| Year Two
| Fall
| CSDI 2000  | Phonetics | 2 |
| CSDI 2200  | Anatomy and Physiology of the Speech Mechanism | 3 |
| CSDI 3400  | Hearing Science | 3 |
| EDSP 4310  | Ed & Psych of the Exp Ind (Or Elective) | 3 |
| ENGL 1900  | Advanced Strategies of Rhetoric and Research | 3 |
HCE 2010 or PHIL 2050
Foundations in Clinical Health Care Ethics or Ethics

Credits

17

Spring
CSDI 3200
Speech Science

3

XXX
Human Development Across the Lifespan
Elective 1

3

XXX
Fine Art Elective

3

XXX
Elective

3

XXX
Elective

3

Year Three
Fall
BIOL 1931
Special Topics

3

CSDI 3700
Speech and Language Development

3

EDSP 3700
Intro to Disabilities Studies (Or Elective)

3

PSY XXXX
Psychology Elective

3

XXX
Elective

3

Credits

15

Spring
CSDI 3000
Cultural Linguistic Diversity

3

CSDI 4150
Survey of Speech & Language Disorders

3

CSDI 4200
Audiology: Basic Audimetry

3

THR 2540
Voice & Diction

3

or CMM 1200
or Public Speaking

XXX
Elective

3

Credits

15

Year Four
Fall
Participation in / Completion of 25 observation hours by mid-December in order to take CSDI 4700

CSDI 4300
Clinical Methods

3

CSDI 4350
Professional Writing & Documentation for the SLP and AuD

1

CSDI 4400
Aural Rehabilitation

3

ENGL 4000
Business and Professional Writing (or elective)

3

XXX
Elective

3

XXX
Elective

3

Credits

16

Spring
CSDI 4500
Neurological Basis of Communication

3

CSDI 4600
Advanced Audiology

2

or CSDI 4900
or Speech Sound Disorders Assessment & Treatment

CSDI 4650
Counseling (Or Elective)

2

CSDI 4700
Clinical Practicum (or CSDI Elective)

1

CSDI 4800
Senior Seminar

2

EDSP 3560
Special Ed. Process (Or Elective)

2

XXX
Elective

3

Credits

15

Total Credits

120

Program Notes
CSD Scholars (https://www.slu.edu/doisy/degrees/undergraduate/csdscholars.php) are required to take CSDI 4700. Minimum credits for graduation is 120 (CSD credits = 41). Minor is not required for graduation, though suggested.

Contact Us
Apply for Admission (https://www.slu.edu/admission/)
For additional admission questions please contact:
Julie Miller
Recruitment Specialist
314-977-2570
dchs@health.slu.edu