



HANDBOOK OF UNDERGRADUATE TRAINING IN COMMUNICATION SCIENCES

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UNDERGRADUATE COMMUNICATION SCIENCES HANDBOOK TABLE OF CONTENTS

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MISSION OF UNDERGRADUATE COSI PROGRAM

The mission of the Communication Sciences (COSI) undergraduate program is to provide students with a comprehensive liberal arts education focused on communication sciences and communication disorders through innovative classroom instruction, cutting-edge research experiences, pre-professional education incorporating case-based learning and guided clinical observations, and service to the community. Our graduates are innovative life-long learners who demonstrate integrity and high ethical standards.

PROGRAM STATEMENT OF VALUES

In a position statement condemning systemic racism, the American Speech-Language-Hearing Association (ASHA) called for the evaluation of our individual and collective contributions to upholding systemic racial discrimination at our home institutions. As members of the Program in Communication Sciences' at Case Western Reserve University, we take responsibility to ensure that our individual actions and departmental policies align with our Program values.

The Program in Communication Sciences has defined five Pillars of Honor to guide our actions and policies. The five pillars include: 1) Educational Excellence and Equity, 2) Collaboration, 3) Integrity, 4) Diversity and Inclusion, and 5) Community Engagement. At the base of our Pillars of Honor lies a Commitment to Listen, Reflect, and Act. We acknowledge that only with continuous work and effort will we be able to make systematic and lasting changes within our profession.

The department's Diversity and Inclusion Committee, composed of faculty and students, are committed to doing the required work to sustain improvement efforts already made, initiate new measures for improvement, and provide accountability to ensure tangible results are achieved so that our program is diverse, inclusive, and provides equitable access to opportunities and outcomes for all of our students.

See: "ASHA's Response to Racism" — <https://www.asha.org/policy/Response-to-Racism/>

OFFICE FOR INCLUSION, DIVERSITY, AND EQUAL OPPORTUNITY'S DIVERSITY STATEMENT

Case Western Reserve University aspires to be an inclusive environment, believing that the creative energy and variety of insights that result from diversity are a vital component of the intellectual rigor and social fabric of the university.

As a scholarly community, Case Western Reserve is inclusive of people of all racial, ethnic, cultural, socioeconomic, national, and international backgrounds, welcoming diversity of thought, pedagogy, religion, age, sexual orientation, gender identity/expression, political affiliation, and disability.

We believe in a culture of inclusion that encourages relationships and interactions among people of different backgrounds, a culture that enhances human dignity, actively diminishes prejudice, and discrimination, and improves the quality of life for everyone in our community.

For more information and additional resources, see the Office for Inclusion, Diversity, and Equal Opportunity — <https://case.edu/diversity/>

COSI PILLARS OF HONOR

1



**EDUCATIONAL
EXCELLENCE AND
EQUITY**

2



COLLABORATION

3



INTEGRITY

4



**DIVERSITY AND
INCLUSION**

5



**COMMUNITY
ENGAGEMENT**

UNDERGRADUATE STUDENT DIVERSITY COMMITTEE (USDC)

The Undergraduate Student Diversity Committee is a student-led committee whose mission is to promote and uphold the Five Pillars of Honor by facilitating equitable access to academic, professional, and social opportunities inside and outside of the classroom for students. USDC is composed of student representatives from the National Students Speech Language Hearing Association (NSSLHA) and the Undergraduate Psychology Student Organization (UPSO) in addition to selected undergraduate students invested in the efforts of the committee.

The USDC sponsors recognition badges for actions in alignment with the Five Pillars of Honor — educational excellence and equity, collaboration, integrity, diversity and inclusion, and community engagement. Badges will be dispersed at the end of the academic year and are encouraged to be included on LinkedIn Profile and resume/CV. Current badges include:

- **CITI Training Badge** - Intended to encourage and prepare students for involvement in research at the undergraduate level, a badge of recognition will be awarded to students who earn a Continuing Research Education Credit (CREC) certificate by completing the initial core training in the protection of human subjects through the Collaborative Institutional Training Initiative (CITI). CREC is a collaborative program where CWRU provides free and accessible documented training in the protection of human subjects in compliance with NIH research educational requirements. To earn this badge, complete the “Group 2 Social and Behavioral Research Faculty, Staff and Students” course (found at <https://about.citiprogram.org/en/homepage/>), and email proof of completion to usdc@case.edu.
- **Community Engagement Badge** - A badge of recognition will be awarded to students who complete a minimum of 10 hours of community service in the areas of speech, language, hearing, and literacy per academic year. Relevant service opportunities can be found through NSSLHA and the Center for Civic Engagement and Learning (CCEL) — <https://case.edu/studentlife/civicengagement/>
- **Scientific Research Presentation Badge** - A badge of recognition will be awarded to students who present their scientific research at a conference or convention. Opportunities for presenting work include CWRU Intersections: SOURCE Symposium (<https://case.edu/source/share-your-work/present-intersections>), the Ohio Speech-Language-Hearing Association Convention (<https://www.ohioslha.org>), and the ASHA Convention (<https://convention.asha.org>). Email proof of participation to usdc@case.edu.

Students interested in USDC involvement or badges are welcome to email the committee at usdc@case.edu!



WHY STUDY COMMUNICATION SCIENCES?

Students major in communication sciences, with a concentration in communication disorders. An undergraduate degree in communication sciences provides foundational knowledge for understanding speech, language, and hearing processes and mechanisms. Most commonly, students who complete an undergraduate degree in communication sciences pursue graduate education in speech-language pathology or audiology. A master's degree is the entry-level degree for professional clinical practice in speech-language pathology. A clinical doctorate in audiology (AuD) is an entry-level professional degree in audiology. Thus, for many students, an undergraduate degree in communication sciences is a pre-professional degree in preparation for graduate study. As such, the undergraduate coursework in the communication sciences curriculum emphasizes the basic processes and acquisition of normal communication in children and adults. Graduate study then focuses on the study of disordered communication and clinical approaches to assess and treat such disorders.

A number of undergraduate students pursue a major in communication sciences as preparation for further study in other fields (e.g., medicine, psychology, social work, linguistics, etc.) or in conjunction with study in other fields. For example, one can combine a major in communication sciences with a major in sociology or psychology or with a minor in gerontological studies. Those professionals involved in human services fields such as medicine, social work, nursing, or education often work with people with communication disorders. For students interested in academic or research careers, investigation in the field of communication sciences is often done alongside the investigation of normal human behavior. For example, one might study the word learning of children with normal language as well as children with language impairments.

CAREERS IN COMMUNICATION SCIENCES

The American Speech-Language-Hearing Association (ASHA) is the national professional organization for speech-language pathologists (SLP) and audiologists (AuD). Speech-language pathologists and audiologists are professionals who provide assessment and intervention services to persons with communication disorders. They are employed in a variety of settings including hospitals, nursing homes, schools, and private practice. ASHA issues a professional certification in the field, the Certificate of Clinical Competence (CCC). In most states, speech-language pathologists and audiologists must hold a state license to practice. In addition, many states require that speech-language pathologists employed in public schools hold some sort of teacher certification or teacher licensure.

The ASHA website (www.asha.org) provides a wealth of information, strategies, and advice that can orient students to various professions, research opportunities, choosing an academic program, and exploring personal interests.

See: "Planning Your Education in Communication Sciences and Disorders" for a more detailed overview — <https://www.asha.org/students/planning-your-education-in-csd/>

See: ASHA EdFind (<https://find.asha.org/ed/#sort=relevancy>) for more information on graduate school programs in Communication Sciences and Disorders.

STUDYING COMMUNICATION SCIENCES AT CWRU

There are 45 credit hours of required courses for students majoring in Communication Sciences. This coursework includes study in communication sciences and disorders, psychology, statistics, and research design.

Following completion of an undergraduate degree, students are prepared to pursue a master's degree in speech-language pathology or a clinical doctorate in audiology. Students should be aware that ASHA requires pre-professional coursework in biological and physical science that is not required for the CWRU COSI major. Students interested in pursuing graduate school in speech-language pathology or audiology should be aware of these requirements. More information about pre-professional coursework can be found on the ASHA website at: <https://www.asha.org/certification/course-content-areas-for-slp-standards/>

Typically a master's degree requires two additional years of study beyond the bachelor's degree. At CWRU, undergraduate students can apply to the Integrated Graduate Studies (IGS) program. In this admissions-based program, a student completes a combined undergraduate and master's degree in communication sciences in five years. You can learn more about the IGS program on page 10.

For department contact lists, please visit <https://psychsciences.case.edu/people/people-by-specialty/>

A MAJOR IN COMMUNICATION SCIENCES


An undergraduate major in Communication Sciences offers student preparation for a variety of careers. It can provide the basis for service-oriented professions such as audiology and speech-language pathology. Students who pursue graduate degrees often work in teaching and research or applied human services. For additional information about the Communication Sciences Major, please visit the CWRU Communication Sciences website:
<https://psychsciences.case.edu/undergraduate/communication-sciences/>

REQUIREMENTS FOR A COMMUNICATION SCIENCES MAJOR

Forty-five hours of course work must be completed successfully to fulfill program requirements. For a printable form that allows you to track your Communication Science Major Course Requirement progress, see page 33. All students must complete a senior capstone course. There are currently no COSI capstone courses offered. The only way to complete your capstone in Communication Sciences is through the Honors Program (see page 10), which requires taking COSI 395. As a Communication Sciences major, you can complete your capstone course in any department. The majority of Communication Sciences students complete their capstone in psychology (PSCL 391, 392, 394).

- PSCL 101 - General Psychology
- PSCL 230 - Child Psychology
- PSCL 282 - Quantitative Methods in Psychology
- PSCL 375 - Research Design and Analysis
- COSI 109 - Introduction to Communication Disorders
- COSI 211 - Phonetics and Phonology
- COSI 220 - Introduction to American Sign Language
- COSI 260 - Multicultural Aspects of Communication
OR
- COSI 261 - Multicultural Aspects of Communication Disorders
- COSI 313 - Language Development
- COSI 321 - Speech and Hearing Science
- COSI 325 - Anatomy and Physiology of the Speech & Hearing Mechanism
- COSI 345 - Communication and Aging
- COSI 352 - Introduction to Clinical Practice in Speech-Language Pathology
- COSI 355 - Introduction to Linguistics
- COSI 370 - Introduction to Audiology

SUGGESTED SEQUENCE OF REQUIRED COURSES FOR THE BACHELOR OF ARTS DEGREE (45 credits)

|  CWRU | Fall | Spring |
|--|--|---|
| Freshman | <ul style="list-style-type: none"> • PSCL 101 | <ul style="list-style-type: none"> • COSI 109 |
| Sophomore | <ul style="list-style-type: none"> • COSI 211 • COSI 260 • PSCL 230 | <ul style="list-style-type: none"> • COSI 220 • PSCL 282 • COSI 355 |
| Junior | <ul style="list-style-type: none"> • COSI 325* • PSCL 375 | <ul style="list-style-type: none"> • COSI 313 • COSI 321* • COSI 345 |
| Senior | <ul style="list-style-type: none"> • COSI 352 • COSI 370* | <ul style="list-style-type: none"> • COSI 580** • COSI 357** (offered every other year) |

COSI 109 and COSI 220 are offered in the Fall and Spring semesters. All other COSI courses are offered only one semester per year, as noted above.

* Students who are unsure between SLP and AuD, should take COSI 325 during the fall of their sophomore year and COSI 321 during the spring of their sophomore year, so that they can register for COSI 370 during the Fall of their junior year.

** These courses are not required, but recommended to further prepare for graduate study. Undergraduate students may elect to take 400 or 500 level graduate courses with departmental/instructor permission.

This is the suggested sequence of courses; an individual student's sequence may differ.

SPECIAL PROGRAMS FOR COMMUNICATION SCIENCES MAJORS

A. Communication Sciences Honors Program

During their junior year, qualified communication sciences majors are encouraged to apply to the Department's Honors program, which leads to a B.A. with Honors in Communication Sciences. The purpose of the program is to provide the student with an intensive, supervised research experience in an area of his or her choice.

Students should complete PSCL 282 and PSCL 375 before beginning the Honors program.

Students participating in the Honors program enroll in COSI 395 during their fall or spring semester of their senior year. Students planning on applying for IGS can enroll in COSI 395 during their spring semester of their junior year.

The student chooses a faculty mentor they would like to work with. The faculty mentor must be able to and agree to supervise the student's research experience. Once the agreement is made, the student works under the close supervision of that faculty member to complete their project. At the end of the semester, the student submits a written manuscript (e.g., report of the research project) or product for consideration of graduation with Honors in Communication Sciences. Juniors with a 3.25 average in coursework required for the major and an overall grade-point of 3.0 are eligible to apply. The Honors program provides research experience of considerable value to a student interested in a career in research and as such requires a great deal of work. Only those students with a serious interest in communication disorders should apply. For further information, students should consult with their undergraduate academic advisor.

B. Integrated Graduate Studies

The Integrated Graduate Studies (IGS) program at CWRU allows a student to complete a combined bachelor's and master's degree in the area of speech-language pathology in five years. Typically, a master's degree requires two years of study beyond a bachelor's degree; therefore, the IGS program results in one fewer years of schooling.

Students that are interested in the IGS program should discuss this option with their faculty advisor early in their undergraduate career to allow for proper academic planning. After initial discussions with a faculty advisor, students can contact Dr. Angela Ciccio (amh11@case.edu) to discuss the program and application process in more detail.

Admission to the IGS process is competitive and requires approval from the Office of Undergraduate Studies to begin the application process which requires a meeting with that office. The Office of Undergraduate Studies will verify that interested students have completed at least 90 hours of undergraduate coursework, the physical education requirement, and the completion of all Arts and Sciences General Education Requirements. Once this is verified, the student will be permitted to submit an application to the School of Graduate Studies for consideration.

Application to the IGS program occurs in the spring of their junior year. Application to the IGS program does not guarantee admission.

More information is available from the undergraduate faculty advisor as well as the Office of Integrated Graduate Studies (in the Undergraduate Studies Office).

IGS students can also opt to complete a Master's thesis. See the Departmental Guidelines for the Master's Degree Thesis option.

SPECIAL PROGRAMS FOR COMMUNICATION SCIENCES MAJORS - CONTINUED

B. Integrated Graduate Studies

A recommended course sequence for the IGS track can be found on page 12.

Eligibility requirements for participation in the Integrated Graduate Studies Program are:

- 90 semester hours earned, of which the last 60 hours must have been in residence at Case Western Reserve University
- Completion of the SAGES General Education Requirements of the College of Arts and Sciences and two semesters of physical education; students who have fulfilled all SAGES General Education Requirements except the Senior Capstone will be required to complete the capstone during their first year in the IGS program. It is strongly encouraged to complete the Senior Capstone during junior year.
- Completion of a minimum of three-quarters of the requirements for the major concentration, including three-quarters of the courses required in the major department
- Admission to the COSI Master's program (students must apply on The Centralized Application Service for Communication Science & Disorders Programs (CSDCAS) by January 15 of their junior year by completing a full application for the COSI Master's program. Students should begin preparing for this process during the Fall semester of their junior year.)
- CSDCAS: <https://csdcas.liaisoncas.org/>

Upon admission to the program, IGS students register as students in the School of Graduate Studies and are subject to the policies, rules, and regulations of the School of Graduate Studies. They may, however, continue to receive merit-based undergraduate scholarships and may continue to reside in undergraduate housing during what would normally be their senior year of undergraduate work. If you are interested in this program you must meet with a representative from the Office of Integrated Graduate Studies and your faculty advisor.

For more information regarding COSI Special Programs, see:

<https://psychsciences.case.edu/undergraduate/communication-sciences/hono>

IGS COURSE SEQUENCE

| CWRU | Fall | Spring | Summer |
|-----------|--|--|--|
| Freshman | <ul style="list-style-type: none"> • PSCL 101 | <ul style="list-style-type: none"> • COSI 109 • COSI 220 | |
| Sophomore | <ul style="list-style-type: none"> • COSI 211 • COSI 260 • PSCL 282 • COSI 325 | <ul style="list-style-type: none"> • COSI 321 • COSI 355 • PSCL 230 | |
| Junior | <ul style="list-style-type: none"> • COSI 325 • COSI 352 • COSI 370 • PSCL 375 | <ul style="list-style-type: none"> • COSI 313 • COSI 345/445 • COSI 355 | |
| Senior | <ul style="list-style-type: none"> • ANAT 414/415 • COSI 453 • COSI 456 • COSI 457 | <ul style="list-style-type: none"> • COSI 444 • COSI 452 • COSI 557 • COSI 562 • COSI 580 | <ul style="list-style-type: none"> • COSI 452 • Seminar (TBA) COSI 565 |

Fifth year - complete remaining coursework for combined BA and MA programs

See next page for outline of Graduate Courses.

GRADUATE COURSES

| Fall | Course | Credits |
|--|---|---|
| <ul style="list-style-type: none"> • ANAT 414/415 • COSI 452 • COSI 452 • COSI 453 • COSI 455 • COSI 456 • COSI 457 • COSI 556 • COSI 600 | <ul style="list-style-type: none"> • Neuroanatomy Lecture & Lab • Graduate Clinical Practicum: Case Management • Graduate Clinical Practicum: Diagnostics 1 • Articulation & Phonology Disorders • Fluency Disorders • Language Disorders 1: Birth-Five Years • Acquired Neurogenic Communication Disorders • Language Disorders 2: Language & Literacy • Augmentative & Alternative Communication | <ul style="list-style-type: none"> • 4 credits • 1 credit • 1 credit • 3 credits • 2 credits • 3 credits • 3 credits • 3 credits • 2 credits |
| Spring | | |
| <ul style="list-style-type: none"> • COSI 444 • COSI 452 • COSI 452 • COSI 557 • COSI 560 • COSI 561 • COSI 562 | <ul style="list-style-type: none"> • Evidence-Based Practice in Communication Disorders • Graduate Clinical Practicum: Counseling • Graduate Clinical Practicum: Diagnostics 2 • Acquired Adult Language & Cognitive Disorders • Voice Disorders • Neuromotor & Craniofacial Disorders • Dysphagia | <ul style="list-style-type: none"> • 4 credits • 1 credit • 1 credit • 3 credits • 3 credits • 4 credits • 3 credits |
| Summer | | |
| <ul style="list-style-type: none"> • COSI 452 • COSI 556 | <ul style="list-style-type: none"> • Graduate Clinical Practicum – Medical Speech Language Pathology • Seminar in Speech Language Pathology | <ul style="list-style-type: none"> • 1 credit • 1 credit |

Independent study courses are also available. If students opt to do a Master's thesis, then 6 credits of thesis are taken (COSI 651).

COMMUNICATION SCIENCES MINOR

To minor in communication sciences, students must complete 15 credit hours of required courses. Nine of the 15 required credit hours include:

- COSI 109
- COSI 313
- COSI 325

The remaining six credit hours can be fulfilled by completing any of the two following 3-credit courses:

- COSI 211
- COSI 220
- COSI 321
- COSI 345

COMMUNICATION FOR HEALTH PROFESSIONALS MINOR

To minor in communication for health professionals, students must complete 15 credit hours of required courses. Nine of the 15 required credit hours include:

- COSI 101
- COSI 109
- COSI 340

The remaining six credit hours can be fulfilled by completing any of the two following 3-credit courses:

- COSI 200
- COSI 260
- COSI 261
- COSI 280
- COSI 332
- COSI 345

Students are highly encouraged to minor in Communication for Health Professionals. As a Communication Sciences major, you are only required to complete two additional courses (COSI 101 and COSI 340) to complete the minor as many classes overlap.

DECLARING A MAJOR OR A MINOR

If you wish to declare a major or minor in Communication Sciences, please complete the following:

A. Obtain a Major/Minor Declaration Form from the Office of Undergraduate Studies (Sears 447) or online at <https://case.edu/ugstudies/forms>

B. Complete the form.

C. Send the completed form to the Academic Representative for your intended major or minor. A list of academic representatives can be found at <https://case.edu/ugstudies/academicrepresentatives>

*For a major/minor in Communication Sciences, contact the Department of Psychological Sciences Chair, Dr. Demaree (had4@case.edu). Dr. Demaree will assign you to a faculty advisor. Alternatively, if you have particular interests, you can request a faculty advisor (see — <https://psychsciences.case.edu/people/people-by-specialty/>)

*For a minor in Communication for Health Professionals, contact Dr. Kyra Rothenberg (kpr4@case.edu)

D. After the Academic Representative has completed and signed the form, submit the completed form to the Office of Undergraduate Studies or ug-studies@case.edu.

ADVISING AND FACULTY MEMBERS IN THE COMMUNICATION SCIENCES PROGRAM

A. Faculty Advising

Once you declare Communication Sciences as your major or minor, you are assigned an advisor by the Department of Psychological Sciences Chair, Dr. Demaree. Alternatively, you may request your own advisor if you have particular interests that match with that of a specific faculty member, however, you are not guaranteed your first choice. You and your advisor must meet to review the courses that you are planning to take before you can complete the registration process each semester. This is to ensure that the courses that you are registering for meet the requirements for your major/minor or general College of Arts and Sciences requirements. Once you have met with your advisor, go to SIS to register for your classes.

We also have a Canvas Advising for Programs in Psychology and Communication Sciences page, which regularly shares opportunities and resources with students who have declared their major or minor.

B. Primary Faculty Members

Lauren Calandruccio | Associate Professor | Ph.D., Syracuse University

Angela Ciccio | Associate Professor | Ph.D., Case Western Reserve University

Lisa Freebairn | Lecturer | M.A., Case Western Reserve University

Barbara Lewis | Professor | Ph.D., Case Western Reserve University

Kathryn (Kay) McNeal | Clinic Program Director & Instructor | M.S., Purdue University

Rachel Mulheren | Assistant Professor | Ph.D., James Madison University

Jean Nisenbom | Instructor | M.S., Miami University

Kathryn Rothenberg | Department Representative for Health Communication Minor & Instructor | Ph.D., Kent State University

For biographies and contact information, see — <https://psychsciences.case.edu/people/people-by-specialty/>

C. Graduate Student Mentoring of Undergraduate Majors

Graduate students in the Program of Communication Sciences are available to meet with undergraduate students. You will not be assigned a graduate student advisor, but if you have questions or would like to hear a student perspective on aspects of the Communication Sciences Program at CWRU, feel free to contact one of the members of the Program of Communication Sciences' Undergraduate Advising Initiative. These graduate students are also able to meet with students to discuss: information about applying to graduate programs, getting involved in research, and other topics. Note that meeting with the graduate student advisors does NOT replace meetings with your primary faculty advisor. You must meet with your primary faculty advisor, whereas meeting with the graduate students is optional.

If interested in meeting with a graduate student mentor, please contact Ms. McNeal (kmm20@case.edu)

COSI LABS AND OTHER RESEARCH OPPORTUNITIES

Brain in Swallowing & Communication (BiSC) Laboratory | PI: Rachel Mulheren, Ph.D., CCC-SLP

The research of the BiSC lab focuses on how the brain controls communication and swallowing. Our goal is to optimize evaluation and treatment methods and to improve the quality of life for individuals with communication and/or swallowing disorders.

For more information, see: <https://caslabs.case.edu/bisclab/>

Family Speech and Reading Study | PI: Barbara Lewis, Ph.D., CCC-SLP

We are interested in causes of speech and language disorders and their impact on life skills. Our research has focused on the genetic, neurological, and medical basis of speech sound disorders. We have been funded for the last 26 years by the National Institutes on Deafness and Other Communication Disorders, and have followed children with speech sound disorders from preschool through adolescence. Our current project seeks to reveal predictors of long-term problems to which individuals with early speech sound disorders are vulnerable, identify risk factors, and determine deficits to target in early interventions to ensure more favorable educational, vocational, and behavioral outcomes.

For more information, see: <https://caslabs.case.edu/fsrs/>

Neurodisorders Laboratory | PI: Angela Ciccia, Ph.D., CCC-SLP

Research in the lab explores the relationships between health/developmental conditions, typical developmental processes, and the impact of the environment that surrounds children with acquired or developmental neurogenic communication disorders on long-term outcomes. The goal of this work is to uncover factors that would be amenable to intervention and enhance the effect of currently used evidence-based interventions. We are also interested in novel service delivery models, such as telemedicine, that could improve access to services and address disparities in care that exist in these populations.

For more information, see: <https://caslabs.case.edu/neurodisorders/>

Speech and Auditory Research (SpAR) Laboratory | PI: Lauren Calandruccio, Ph.D., CCC-A

Research in the SpAR Lab focuses on studying how people are able to understand speech in noisy environments. In particular, we are interested in studying differences between people with normal hearing and people with hearing loss and their ability to understand speech in noise. We are also interested in helping to build an evidence base for clinical practice that focuses on people who have hearing loss and do not speak English as their native language. The main objective of our lab is to improve the quality of life for those with auditory communication difficulties through improved clinical assessments and interventions.

For more information, see: <https://caslabs.case.edu/sparlab/>

Other research opportunities: CWRU Psychological Sciences faculty conduct cutting-edge interdisciplinary research on the brain, memory, behaviors, speech, swallowing, clinical disorders, learning, expertise, play, perception, and many other topics. Research experience provides students with the opportunity to learn more about the scientific process and to get to know faculty members and graduate students in the department better. Additionally, research assistant experience provides opportunities for faculty to know you and write letters of recommendation on your behalf. Some research experiences can even sometimes result in student authorship on papers and conference presentations, both of which are helpful if one wants to pursue graduate school. It is important for professionals in communication sciences to keep abreast of current research so as to provide state-of-the-art services to individuals with communication disorders.

If you are interested in becoming more involved in research, please look at the faculty profiles page and contact professors whose research interests you via email. —
<https://psychsciences.case.edu/people/people-by-specialty>

UNDERGRADUATE COURSES OFFERED IN THE COMMUNICATION SCIENCES PROGRAM

COSI 101 – Introduction to Health Communications - 3 credits

An introductory examination of the influences associated with the functions of human life, communication processes, and research related to health and the healthcare industry from interpersonal, cultural, and organizational communication perspectives. The course will include a review of the history and development of health communication and the understanding and application of communication theories. **Fall only*

COSI 109 – Introduction to Communication Disorders - 3 credits

Forty-two million Americans have some type of communication disorder. How does a person with a communication disorder cope with the challenges of daily living? This course will examine the characteristics of communication disorders via first-hand and fictionalized accounts in books, films, and simulated communication disorders experiences. Topics will include disorders of speech, language, and hearing in children and adults. Effects of communication disorders on families.

COSI 200 – Interpersonal Communication – 3 credits

Communication is a primary means of initiating, maintaining, and dissolving relationships. Managing interpersonal relationships is a human concern across several contexts. Interpersonal communication is a highly interactive course whereby participants investigate the foundations, processes, and issues associated with communication in relationships. The student will become sensitized to theories and processes via traditional lectures and textbook readings. The student is also expected to participate in group discussions. The result is a continuous dialogue with others about communication processes and outcomes. The goal of this course is to provide a forum for both investigation and increased competence. **Spring only*

COSI 211 – Phonetics and Phonology - 3 credits

Theoretical and applied study of the speech sounds of language. The use of the international phonetic alphabet as a tool for characterizing normal and deviant sound patterns. The linguistic structure and function of speech sound systems of both the adult and developing child. **Fall only*

COSI 220 – Introduction to American Sign Language I - 3 credits

This course offers basic vocabulary training and conversational interaction skills in American Sign Language. Syntactic and semantic aspects of American Sign Language will be addressed. (Note: Students can opt to complete an additional semester of sign language, COSI 221)

COSI 221 – Introduction to American Sign Language II - 3 credits

This class is taught without voice, using functional whole language approaches and in situ experiences, emphasizing communicative competency. It emphasizes sentence structure development, classifiers, and conversational regulating behaviors. It also covers inflection, role shifting, adverbial non-manual behaviors, temporal aspects, sequencing, and includes a brief introduction to ASL English diglossia and bilingual aspects. There will be opportunities for discussion of deaf culture. **PREREQUISITE: COSI 220.** **Not offered every year*

COSI 260 – Multicultural Aspects of Human Communication - 3 credits

Introduces intercultural/interracial communication by discussing specific communication principles and by putting theory into practice by exploring differences in perception, and verbal and nonverbal communication messages. The course emphasizes the relationship between communication, race, culture; nature of race and culture; and how they influence the communication process. Various theories and approaches to study of intercultural/interracial communication will be discussed, along with significant concepts, processes, and considerations. Practical outcomes of intercultural/interracial encounters also will be discussed. **Fall only*

- *Counts for CAS Global & Cultural Diversity Requirement.*

COSI 261 – Multicultural Aspects of Communication Disorders – 3 credits

Introduces intercultural/interracial communication principles and includes the exploration of differences in perceptions for communication messages. Provides students with a basic understanding of the differences associated with assessment, intervention, and identification of communication disorders for culturally and linguistically diverse populations. Students will critically analyze best practice approaches for communication disorders for diverse populations including differences in race, ethnicity/culture, sexual orientation, gender identity, and socioeconomic status. Practical outcomes that can encourage more positive intercultural/interracial encounters will be discussed. Offered as COSI 261 and COSI 461.

- *Counts for CAS Global & Cultural Diversity Requirement.*

COSI 280 – Organizational Communication - 3 credits

This course includes a review of the development of organizational communication theories and how the application of theories enhances our understanding of various types of organizations. COSI 280 addresses the communication challenges faced by contemporary organizational leaders and members. Knowledge of the theories and development of analytical skills should improve students' chances for successful interactions in diverse organizational situations and cultures.

**Spring only*

COSI 301 – Professional Speaking - 3 credits (Departmental Seminar)

This course is designed to introduce students to theories and practices and to develop their abilities to speak effectively in public. Students will develop skills in organization and presentation of ideas for public and conference forums, critical listening, and the proper use of technology. Students demonstrate abilities via written assignments, skill-building exercises, oral presentations, rhetorical analysis, and group projects. The expectations in this course include high levels of participation and interaction. This is a departmental seminar course with a focus on formal presentation in settings related to health care. This course will be beneficial to students planning professions in the health sciences where responsibilities include public instruction and exposition and for those preparing for capstone presentations in the Department of Psychological Sciences programs. PREREQUISITE: Completion of a First Seminar, COSI 109 or PSCL 101

COSI 305 Neuroscience of Communication Disorders - 3 credits. The course focus is neuroanatomy and neurophysiology related to sensory function, motor control, and cognition, particularly aspects of cognition involved in language functions. Topics to be addressed include: principles of neurophysiology and neurochemistry; functional neuroanatomy of the central and peripheral nervous systems; neurological and neuropsychological assessment of communication; and neurodiagnostic methods. In part, the course material will be presented in a problem-based learning format. That is, normal aspects of human neuroscience will be discussed in the context of neurological disorders affecting communication. COSI 305 is an elective for undergraduate students, COSI 405 is a prerequisite for COSI 557 and COSI 561, and a co-requirement for COSI 457 for graduate students. **Fall Only*

COSI 313 – Language Development - 3 credits

Language acquisition theory and stages of development of syntax, semantics, pragmatics, and phonology in children. Contributions of biological, social, cognitive, and environmental factors to the process of language development. Information on language variation in multicultural populations. Open to majors and non-majors. Recommended prerequisite: Child Psychology. Offered as COSI 313 and COSI 413. **Spring only*

COSI 321 – Speech and Hearing Science - 3 credits

The course will focus on the aspects of normal speech production and perception and hearing perception. The purpose of this course is to provide a foundation in normal aspects of oral communication that will prepare students for advanced study in the assessment and management of disorders of speech and hearing perception. Topics to be covered include motor speech control, aeromechanics, basic acoustics, phonatory acoustics, speech and hearing acoustics, psychoacoustics, and speech and hearing perception. **Spring only*

- Recommended preparation: COSI 325. Offered as COSI 321 and COSI 421

COSI 325 – Anatomy and Physiology of Speech and Hearing Mechanisms - 3 credits
The course will focus on normal anatomy and physiology of the body systems involved in the processes of speech, language, hearing, and swallowing including the following: the auditory, respiratory, phonatory, articulatory, resonatory, and nervous systems. In part, the course material will be presented in a problem-based learning format. That is, normal aspects of human anatomy and physiology will be discussed in the context of the disorders that affect the processes of human communication and swallowing. **Fall only*

COSI 332 – Persuasion - 3 credits
This survey course explores the history, theories, and dynamics of persuasion. There is an extensive focus on theoretical models of attitude change. Persuasion also plays a strong role in everyday aspects of our culture. Along these lines, we will investigate persuasion activities in everyday life from compliance gaining to media campaigns. Learning is conveyed through lectures, activities, and observation of the student's everyday life. At the end of the semester, the astute student will be literate in a variety of persuasion strategies and dynamics. **Fall only*

COSI 340 – Advanced Health Communication - 3 credits
Various communication processes assume a central role in the acquisition and enactment of health care. This course examines communication activity across a broad range of health care contexts. Attention will be given to provider-client communication, communication, and ethical concerns, persuasive health promotion efforts, media impact on health, and basics in health communication methodology and research. Students will consider source, message, and receiver aspects of health communication as well as cultural and illness-specific issues. Prerequisite of COSI 101 for 300 - level only. Offered as COSI 340 and COSI 440. PREREQUISITE: COSI 101. **Spring only*

COSI 345 – Communication and Aging - 3 credits (Departmental Seminar)
The normal and abnormal psychobiological changes that occur during aging and their effects on communication are addressed, as are communicative interaction styles, disordered communication, and rehabilitation practices. Offered as COSI 345 and COSI 445. **Spring only*

COSI 352 – Introduction to Clinical Practice - 3 credits
Clinical assessment and teaching procedures as well as the role of research/theory in clinical practice. Procedures to observe, measure, analyze communication skills. Practical application through case studies. Students complete 25 hours of observation of speech/language assessment and intervention. PREREQUISITE: COSI 211, COSI 313, or consent of instructor. **Fall only*

COSI 355 – Introduction to Linguistics - 3 credits
This course provides an introduction to linguistics, with application to clinical assessment, diagnosis, and therapy of language disorders. In particular, the course provides an introduction to theory and methods of linguistics: universal properties of human language; phonetic, phonological, morphological, syntactic, and semantic structures and analysis; nature and form of grammar. *Students who matriculated in Fall 2018 or earlier will need to complete "Academic Advising Report" with advisor to fulfill SIS requirements. For students who matriculated in Fall 2019 or later, no paperwork is needed. *Spring only*

- You can find the form here:
 - https://case.edu/ugstudies/sites/case.edu.ugstudies/files/2020-12/Academic%20Advisement%20Report%20Substitution_Fillable_12.2020.pdf

COSI 357 – Acquired Neurogenic Communication Disorders - 3 credits

This course is designed to provide knowledge about the theoretical foundations, etiologies, and characterizations of acquired language based and cognitive-communication disorders in adults. The organization of the course is designed so that we will discuss communication disorders typically associated with the left hemisphere lesions (e.g., aphasia), right hemisphere lesions (e.g., RHD), frontal lobe lesions (e.g., traumatic brain injury) and mesial temporal lesions (e.g., dementia). This course is intended to provide students with a framework for considering communication disorders of diverse medical etiologies rather than specific impairment types. The course is meant to provide information that can be used as a foundation for a clinically applied course in acquired language disorders. The course will focus on critical thinking, professional presentation (both oral and written), and critical consumption of research. Recommended preparation: Instructor consent for COSI 457 only. Offered as COSI 357 and COSI 457. PREREQUISITE: COSI 109. **Fall only*

COSI 370 – Introduction to Audiology - 3 credits

Disorders of hearing, assessment of hearing; including behavioral and objective measures; intervention strategies; and identification programs. PREREQUISITE: COSI 325 Offered as COSI 370 and COSI 470. **Fall only*

COSI 390 – Independent Study – 1-6 credits

Individual study, under the guidance of a faculty member, involving specific programs of reading, research, and special projects.

COSI 395 – Honors Program

Supervision in carrying out an independent research study in the student's area of interest. Offered every semester. PREREQUISITE: STAT 201 or PSCL 282, PSCL 375, and faculty approval. Consult with your faculty advisor for more information.

COSI 580 - Aural Rehabilitation - 3 credits

This course is designed to build from COSI 370 to explore in more depth the effects of hearing impairment, especially related to speech perception and language processing. Remediation and intervention strategies for hearing impaired children and adults, including speech reading, auditory training, and the use of hearing aids are covered in the course. Prereq: COSI 370.

**Spring only*

- *Students planning to go to graduate school or either Speech-Language Pathology or Audiology are encouraged to take this course during their undergraduate program. This course may be required for graduate school admissions.*

REQUIRED COURSES AND RECOMMENDED ELECTIVES FOR GRADUATE SCHOOL

Although all of these classes are not required for completing the COSI major at CWRU, if you are interested in applying to graduate school, ASHA requires students to have a foundation in the social, behavioral, biological, and physical sciences.

For more information, explore the following web pages:

<https://www.asha.org/students/planning-your-education-in-csd/>

ASHA Prerequisite Courses for Graduate School:

Generally, at least 1 course must be taken from each of the following course content areas: biological sciences, physical sciences (must be physics or chemistry), statistics, math (for AuD), and social/behavioral sciences.

**Individual graduate programs in SLP or Audiology may have additional or different requirements.*

Biological Sciences

Recommended: BIOL 115/214

Any BIOL course would fulfill the Biological Sciences requirement.

Physical Sciences

Recommended: CHEM 105/119 OR PHYS 115/121

Any CHEM OR PHYS course would fulfill the Physical Sciences requirement.

Social/ Behavioral Sciences

Required Communication Sciences major classes fulfill the ASHA Social/Behavioral Sciences requirement (PSCL 101 and PSCL 230). Students do not have to take additional courses to complete this requirement.

Students who are interested in coursework in education, educational psychology, early childhood, and literacy can explore opportunities to take coursework at other colleges/universities in the Cleveland area. Contact your undergraduate advisor for more information.

IDEAS FOR DOUBLE-MAJOR AND MINORS

Foreign Language Major/Minor

The professions of audiology and speech-language pathology offer much potential and many choices of work settings and client populations. There is a need for audiologists and speech-language pathologists in many parts of the country, and it is expected to grow over the coming decade. In addition, due to the growing U.S. minority population, clinical opportunities will be even greater for those with bilingual and multicultural expertise. In particular, there is a particular need for bilingual service providers who can provide bilingual and Spanish-language services in each US state. For more information about the demographic profile of ASHA members providing bilingual and Spanish-language services, see:

<https://www.asha.org/practice/multicultural/resources-recruitment-bilingual-service-providers/>

As noted in The ASHA Leader, “the communities we serve benefit greatly from the many individuals who push their own linguistic boundaries and understanding to become bilingual service providers. The standards are high and there is a lot to know. However, the resources and opportunities to help develop those skills are always expanding, and the rewards are worth the effort.” For more information on what it takes to become a bilingual practitioner, explore the following webpage: <https://leader.pubs.asha.org/doi/10.1044/leader.FTR2.16152011.16>

The Department of Modern Languages and Literatures at CWRU offers courses of study leading to the Bachelor of Arts in French, German, Japanese Studies, Chinese, and Spanish. In addition, the department offers minors in Hebrew, Italian, and Russian, as well as coursework in Arabic and Portuguese. Except in the case of courses cross-listed with the World Literature Program, all courses in modern languages and literature are taught primarily in the target language. For more information about potential majors and minors and their requirements, explore the following webpage: <https://mll.case.edu/undergraduate/>

Psychology Major/Minor

An undergraduate major or minor in psychology provides preparation for graduate training in psychology, medicine, social work, allied health professions, education, business, computer science, or law. The undergraduate degree directly prepares students for careers that require knowledge and understanding of behavior, research design, and the ability to collect, analyze, and interpret data. For more information, explore the following webpage:

<https://psychsciences.case.edu/undergraduate/about-psychology/major-in-psychology/>

Communication for Health Professionals Minor

The minor in health communication offers introductory and advanced study in the theoretical and practical application of communication within a health context. It includes a variety of additional courses that students can choose according to their specific areas of interest. The course work is designed to appeal to students in such fields as pre-med, nursing, pre-law, public policy, public health, communication disorders, gerontological studies, nutrition, health management, and social work. See page 27 for the minor requirements and more information about the three professional tracks of study in clinical, health policy & promotion, and health administration.

To view the course descriptions, explore the following webpage:

https://psychsciences.case.edu/undergraduate/communication-sciences/health-communication-minor/?_ga=1.138477427.1571892545.1394051738.

Childhood Studies Minor

The Childhood Studies Minor in the College of Arts and Sciences is an exciting educational opportunity for undergraduate students interested in a wide array of issues concerning children and the experience of childhood. This interdisciplinary minor focuses on the life stages of infancy through adolescence and incorporates interests in child policy, parenting, gender, the life course, and the place of children in society and culture.

Case Western Reserve University has earned national and international recognition for its cutting-edge research and teaching on the life cycle. The minor in Childhood Studies helps students take advantage of the diversity of child-related learning opportunities available through the Schubert Center for Child Studies, multiple departments across the Case Western Reserve campus, and institutions throughout the greater Cleveland community. For more information, explore the following webpage:

<https://case.edu/schubertcenter/education/childhood-studies-minor>

Public Health Minor

The Undergraduate Minor in Public Health is a 15 credit program that exposes students to the field of public health. This minor is designed to equip students with the core concepts of Public Health and is highly collaborative with many departments to provide a robust option for students who are pre-health or pursuing medical anthropology, medical sociology, mental health, global health, or nutrition and health promotion. Courses for the Minor may be double-counted from Majors. For more information, explore the following webpage:

<https://bulletin.case.edu/schoolofmedicine/epidemiologyandbiostatistics/#minorinpublichealthtext>

Business Management Minor

Speech-language pathologists and Audiologists often rise to management and leadership positions in their organizations. They may also choose to open a private practice. If you are interested in gaining the knowledge and skills needed to become an organizational manager and leader in health care service delivery, you are encouraged to pursue a Business Management minor. For more information, explore the following webpage:

<https://bulletin.case.edu/weatherheadschoolormanagement/undergradprograms/#minorstext>

Gerontology Major/Minor

Gerontological Studies is an appropriate second major or minor for students with a wide variety of career goals. Persons with baccalaureate degrees in this field are eligible for entry-level positions in organizations that provide health and social services to older people and that formulate policies related to aging and older adults. For those whose careers will require professional or graduate training, this program can be valuable preparation. This includes pre-health students, especially those with an interest in geriatrics or family practice. It is also excellent preparation for those who are working toward careers in social work, family law, and financial planning. Students planning to pursue these professional degrees will find that an increasing number of their clients or patients will be older adults and problems with which they must deal are related to aging. For more information, explore the following webpage:

<https://bulletin.case.edu/collegeofartsandsciences/gerontologicalstudiesprogram/#text>

Nutrition Major/Minor

The field of nutrition encompasses an extremely broad and increasingly expanding variety of topics, including the study of metabolism and metabolomics. The Department of Nutrition is a research-based department within the School of Medicine that offers several undergraduate degree programs, including dual majors. This major/minor may align with students interested in swallowing and enhancing their knowledge while working with patients with dysphagia as an SLP. For more information, explore the following webpage:

<https://case.edu/medicine/nutrition/education-programs/undergraduate-programs-nutrition/minor-programs-nutrition>

CWRU COMMUNICATION SCIENCES MAJOR REQUIREMENTS 45 TOTAL CREDITS

| Courses | Semester | Grade | Credits |
|--|----------|-------|---------|
| • PSCL 101- General Psychology | | | |
| • PSCL 230- Child Psychology | | | |
| • PSCL 282- Quantitative Methods in Psychology | | | |
| • PSCL 375- Research Design and Analysis | | | |
| • COSI 109- Introduction to Communication Disorders | | | |
| • COSI 211- Phonetics and Phonology* | | | |
| • COSI 220- Introduction to American Sign Language I | | | |
| • COSI 260 - Multicultural Aspects of Communication* OR • 261- Multicultural Aspects of Communication Disorders*** | | | |
| • COSI 313- Language Development** | | | |
| • COSI 321- Speech and Hearing Science** | | | |
| • COSI 325- Anatomy and Physiology of the Speech & Hearing Mechanism* | | | |
| • COSI 345- Communication and Aging** | | | |
| • COSI 352- Introduction to Clinical Practice in Speech- Language Pathology* | | | |
| • COSI 355 - Introduction to Linguistics** | | | |
| • COSI 370- Introduction to Audiology* | | | |

*Indicates that the course is only offered during Fall semesters.

**Indicates that the course is only offered during Spring semesters.

***Indicates that the course may not be offered every year.

TOTAL CREDITS: _____

Note: This sheet is intended as a guide for determining your progress through the Communication Sciences Major. Please consult with your Faculty Advisor as well as the Undergraduate Studies Office to ensure that you fulfill the proper Department Requirements.

These are required courses for the major ONLY. Additional classes in social/behavioral sciences, basic science, math, and statistics are required by ASHA for admission into graduate school (please see above). Also, COSI 580 (Aural Rehabilitation) may be required by some graduate programs.

CWRU COMMUNICATION SCIENCES MINOR REQUIREMENTS

15 TOTAL CREDITS

| Required Courses | Semester | Grade | Credits |
|--|----------|-------|---------|
| • COSI 109- Introduction to Communication Disorders | | | |
| • COSI 313- Language Development** | | | |
| • COSI 325- Anatomy and Physiology of Speech & Hearing Mechanisms* | | | |

TOTAL CREDITS: _____

| Program Electives | Semester | Grade | Credits |
|--|----------|-------|---------|
| • COSI 211- Phonetics and Phonology* | | | |
| • COSI 220- Introduction to American Sign Language I | | | |
| • COSI 321- Speech and Hearing Science** | | | |
| • COSI 345- Communication and Aging** | | | |

TOTAL CREDITS: _____

*Indicates that the course is only offered during Fall semesters.

**Indicates that the course is only offered during Spring semesters.

Note: This sheet is intended as a guide for determining your progress through the Communication Sciences Minor. Please consult with your Faculty Advisor as well as the Undergraduate Studies Office to ensure that you fulfill the proper Department Requirements.

COMMUNICATION FOR HEALTH PROFESSIONALS MINOR REQUIREMENTS: 15 TOTAL CREDITS

| Required Courses | Semester | Grade | Credits |
|---|----------|-------|---------|
| • COSI 101- Introduction to Health Communication* | | | |
| • COSI 109- Introduction to Communication Disorders | | | |
| • COSI 340- Health Communication** | | | |

TOTAL CREDITS: _____

| Program Electives | Semester | Grade | Credits |
|--|----------|-------|---------|
| • COSI 200- Interpersonal Communication** | | | |
| • COSI 260*/261***- Multicultural Aspects of Human Communication/ Multicultural Aspects of Communication Disorders | | | |
| • COSI 280- Organizational Communication** | | | |
| • COSI 332- Persuasion* | | | |
| • COSI 345- Communication and Aging** | | | |

TOTAL CREDITS: _____

*Indicates that the course is only offered during Fall semesters.

**Indicates that the course is only offered during Spring semesters.

***Indicates that the course may not be offered every year.

COMMUNICATION FOR HEALTH PROFESSIONALS TRACKS OF STUDY

3 professional tracks of study:

CLINICAL – This track is recommended for students preparing for professions in health care that involve working with and treating patients (e.g., allopathic, osteopathic, allied, and homeopathic medicine, dentistry, nursing, nutrition, psychology, social services, etc.).

Elective course selection:

- COSI 200 – Interpersonal Communication

AND Choose 1

- COSI 245 – Communication and Aging or
- COSI 260/COSI 261 – Multicultural Aspects of Communication/Multicultural Aspects of Communication Disorders

HEALTH POLICY & PROMOTION – This track is recommended for students preparing for professions pertaining to public health, law, marketing, and political policy involving health.

Elective course selection:

- COSI 280 – Organizational Communication
- COSI 332 – Persuasion

HEALTH ADMINISTRATION – This track is recommended for students preparing for professions in for-profit and nonprofit businesses relating to health (e.g., hospitals, insurance companies, nursing homes, etc.).

Elective course selection:

- COSI 280 – Organizational Communication

AND Choose 1

- COSI 200 – Interpersonal Communication or
- COSI 260/COSI 261 – Multicultural Aspects of Communication/Multicultural Aspects of Communication Disorders

Communication for Health Professionals Academic Advisor: Kathryn (Kyra) Rothenberg
kpr4@case.edu

Note: This sheet is intended as a guide for determining your progress through the Communication for Health Professionals Minor. Please consult with your Faculty Advisor as well as the Undergraduate Studies Office to ensure that you fulfill the proper Department Requirements.

ASHA, NSSLHA, ASHFOUNDATION, & OSLHA RESOURCES

A. ASHA

The American Speech-Language-Hearing Association (ASHA) is the national professional organization for speech-language pathologists (SLPs) and audiologists (AuDs). The ASHA website is a great resource to find information on graduate school, mentoring programs, scholarships and much more.

Explore the website at: <https://www.asha.org/>

B. National Student Speech Language Hearing Association (NSSLHA)

The National Student Speech Language Hearing Association (NSSLHA) is the only national student organization for pre-professionals studying communication sciences and disorders (CSD) recognized by the American Speech-Language-Hearing Association (ASHA).

National NSSLHA Membership

Join National NSSLHA for financial support and money-saving benefits, access to peer-reviewed academic resources, unparalleled leadership opportunities, and more.

- Membership Dues: National NSSLHA membership dues are \$60.
 - CWRU NSSLHA may cover membership dues
- Membership has to be renewed annually. It is recommended to sign up for membership in January of every year since all memberships expire on December 31, regardless of when the membership was attained.

Benefits of National NSSLHA Membership

Member Opportunities

- Members Honors
- Be eligible for NSSLHA Member Honors, which recognizes outstanding National NSSLHA members' accomplishments.

Scholarships

- Be eligible for 10 undergraduate scholarships through National NSSLHA and graduate-level scholarships through the ASHFoundation.

Student Leadership

- Be eligible to volunteer at the national level—hone your leadership skills, work with mentors in the professions, and make a positive contribution to CSD students across the country.

Discounts

- NSSLHA to ASHA Conversion
- Join National NSSLHA for the last two years of your master's or doctoral program to be eligible for \$225 off the initial dues and fees of ASHA membership and certification through the NSSLHA to ASHA Conversion Discount.
- Reduced Convention Registration
- Receive a significantly reduced registration rate for the ASHA Convention and ASHA Connect.
- Discounted ASHA Special Interest Group (SIG) Membership
 - Join SIGs for just \$10 per SIG each year.
- Receive product discounts on NSSLHA and ASHA products and publications through the ASHA Store.
- Receive special offers for movies, concerts, sports and leisure, travel, food, and office supplies.

Insurance

- Access life, long term care, pet, disability, dental and professional liability insurance through Mercer Consumer, and car insurance through GEICO.

Subscriptions & Services

- Networking
- Network with your peers through the NSSLHA Member Community.
- NSSLHA Updates E-newsletter
- Stay updated on what's happening with National NSSLHA, NSSLHA chapters, and your fellow NSSLHA members.

ASHA Journals

- Access ASHA's Scholarly Journals—American Journal of Audiology; American Journal of Speech Language Pathology; Journal of Speech, Language, and Hearing Research; and Language, Speech, and Hearing Sciences in Schools.
- The ASHA Leader (Print Edition)
 - Receive a subscription to the print edition of The ASHA Leader.

ASHA Technical Assistance

- Ask National NSSLHA and ASHA staff about any subject—the professions, clinical fellowships, ethics, and more! To receive technical experience, contact ASHA's Action Center.

C. CWRU NSSLHA

The NSSLHA Case Western Chapter (CWRU NSSLHA) is a pre-professional organization for students interested in the Communication Sciences and Disorders major and those interested in fields such as speech language pathology, audiology, psychology, education, medical fields etc.

How to become involved:

Students in any field are encouraged to become involved by reaching out to the executive board through email and/or social media and ask to be added to the student registry. This will give students access to the shared calendar general body meetings, executive board meetings, CWRU NSSLHA events, and national nsslha program dates.

Email: cwrunsslhaexec@case.edu

Instagram: https://www.instagram.com/cwru_nsslha/

FaceBook: <https://www.facebook.com/CWRUNSSLHA>

Benefits:

- Student study nights
- Volunteering and fundraising opportunities
- Read Across America
 - Annual t-shirt sale
- Networking opportunities
 - National NSSLHA Convention
- Mentor-Mentee Program
 - Students build mentorship relationships with upperclassmen to guide them through classes, programs, research opportunities, internships, graduate school application process, and more.

D. ASHFoundation

The American Speech-Language-Hearing Foundation (ASHFoundation) supports innovators and sparks innovation in communication sciences to make that connection possible for everyone. Every year, the organization awards thousands of dollars to students and professionals dedicated to the field of Communication Sciences and Disorders.

The ASHFoundation Board Program Committee oversees the review process of all ASHFoundation:

- Research Grants
- Student Scholarships
- Clinical Achievement Awards

For more information on how to apply, please visit <https://www.ashfoundation.org/apply/>

E. OSLHA (Ohio Speech Language and Hearing Association)

OSLHA is the ASHA-recognized state association for Ohio professionals in the speech and hearing fields. OSLHA empowers members by providing opportunities for professional development, advocacy, and leadership development. OSLHA's goal is to foster excellence in the services provided to individuals with communication and related disorders.

Vision: Our Vision Empowering Speech-Language Pathologists, Audiologists and Speech-Language and Hearing Scientists to unlock communication for individuals with communication disorders.

Membership

- Full Membership (Speech & Audiology Professionals): \$75
- Associate Membership (Allied Professions, Consumers, Clinical Fellows): \$45
- Student Membership: \$25
- Life Memberships Available to Lifetime Membership Participants

Benefits:

- OSLHA Convention
- Volunteering Opportunities
- Advocacy Events
- Grants and Scholarships
- Awards and Recognitions
- Mentorship Programs
- Networking Events
- Professional Development
- Leadership Development

Members receive significant discounts off OSLHA CE activities, member-exclusive online CE programming, and accessibility to exceptionally priced professional liability insurance coverage, ALL Included in an annual membership. All memberships expire on June 30th.

Resources for 9 Practice Areas:

- Audiology
- Private Practice and Non-Profits
- Developmental Disabilities
- Schools
- Telehealth/Telepractice
- Supervision
- Healthcare
- Universities and Student Affairs
- Culturally and Linguistically Diverse

Explore the website at: <https://www.ohioslha.org/>

ADDITIONAL RESOURCES

SOURCE Summer Research Funding Program

The Support of Undergraduate Research & Creative Endeavors (SOURCE) office sponsors four funded summer undergraduate research programs. Only Case Western Reserve University students may apply to SOURCE-funded programs and students must identify a faculty project mentor prior to completing any of the four SOURCE Summer programs. Eligible faculty mentors include our affiliates at the Cleveland Clinic, University Hospitals, the VA Hospital, University Circle museums and other affiliated institutions. The SOURCE office is available for assistance in identifying a faculty mentor and project.

For more information, please visit: <https://case.edu/source/find-programs-and-funding/source-funded-programs#Semester>

The Student to Empowered Professional (S.T.E.P.)

S.T.E.P. is a virtual mentoring program where mentees and mentors communicate to address a short- or long-term goal via the S.T.E.P. mentoring platform. Mentees and mentors have the option of making arrangements to meet face-to-face; however, face-to-face mentoring isn't a component of the S.T.E.P. program. Student participants are paired with professionals who provide guidance, feedback, and support for career development in the professions (e.g., academic pursuits, career goals, and exploring areas of interest in the professions) in a meaningful, one-to-one relationship.

For more information, please visit: <https://www.asha.org/students/mentoring/>

Student Ethics Essay Award

The SEEA program is conducted as part of ASHA's efforts to enhance ethics education activities. The goal of the program is to encourage students to think about ethical decision making and create greater awareness of situations that could pose ethical dilemmas as they prepare to start careers in audiology, speech-language pathology, or speech, language, and hearing sciences. The essay competition is open to students who are enrolled in any undergraduate, post baccalaureate, or entry-level graduate program (U.S. only) in communication sciences and disorders (CSD).

SEEA winners receive the following:

- One student registration to the ASHA Convention (first-place winner only)
- Monetary prizes (\$1,000, \$750, and \$500 for first, second, and third place, respectively)
- Certificates of achievement
- A 1-year membership to National NSSLHA

For more information, please visit: https://www.asha.org/practice/ethics/essay_award/

Minority Student Leadership Program (MSLP)

The MSLP is a leadership development program established for undergraduate seniors, master's students, AuD students who are enrolled in communication sciences and disorders programs, and post-entry level SLP students who are enrolled in a clinical or research doctoral degree program. Up to 40 students will be selected to participate in the Minority Student Leadership Program which takes place during the ASHA Convention.

The Minority Student Leadership Program offers many opportunities including:

- Complimentary ASHA Convention registration
- ASHA Closing Party ticket
- Up to four nights lodging at one of the ASHA Convention hotels
- \$150 Meal stipend
- Program materials

Program participants are responsible for transportation expenses to and from the Convention city and personal incidentals.

For more information, please visit: <https://www.asha.org/students/mslp-award/>

ASHA EdFind

EdFind is ASHA's online directory for undergraduate and graduate degree programs in communication sciences and disorders (CSD). Whether you want to become an audiologist, speech-language pathologist, or a speech, language, or hearing scientist, EdFind will help you identify academic programs that meet your needs.

Use Edfind at: <http://find.asha.org/ed/#sort=relevancy>

CHECKLIST PRINTING LINKS

- CWRU COSI Major Requirements Checklist
- COSI Minor Requirements Checklist
- Communication for Health Professionals Minor Checklist

CWRU COMMUNICATION SCIENCES MAJOR REQUIREMENTS

45 TOTAL CREDITS

| Courses | Semester | Grade | Credits |
|--|----------|-------|---------|
| • PSCL 101- General Psychology | | | |
| • PSCL 230- Child Psychology | | | |
| • PSCL 282- Quantitative Methods in Psychology | | | |
| • PSCL 375- Research Design and Analysis | | | |
| • COSI 109- Introduction to Communication Disorders | | | |
| • COSI 211- Phonetics and Phonology* | | | |
| • COSI 220- Introduction to American Sign Language I | | | |
| • COSI 260 - Multicultural Aspects of Communication* OR • 261- Multicultural Aspects of Communication Disorders*** | | | |
| • COSI 313- Language Development** | | | |
| • COSI 321- Speech and Hearing Science** | | | |
| • COSI 325- Anatomy and Physiology of the Speech & Hearing Mechanism* | | | |
| • COSI 345- Communication and Aging** | | | |
| • COSI 352- Introduction to Clinical Practice in Speech- Language Pathology* | | | |
| • COSI 355 - Introduction to Linguistics** | | | |
| • COSI 370- Introduction to Audiology* | | | |

*Indicates that the course is only offered during Fall semesters.

**Indicates that the course is only offered during Spring semesters.

***Indicates that the course may not be offered every year.

TOTAL CREDITS: _____

Note: This sheet is intended as a guide for determining your progress through the Communication Sciences Major. Please consult with your Faculty Advisor as well as the Undergraduate Studies Office to ensure that you fulfill the proper Department Requirements.

These are required courses for the major ONLY. Additional classes in social/behavioral sciences, basic science, math, and statistics are required by ASHA for admission into graduate school (please see above). Also, COSI 580 (Aural Rehabilitation) may be required by some graduate programs.

CWRU COMMUNICATION SCIENCES MINOR REQUIREMENTS

15 TOTAL CREDITS

| Required Courses | Semester | Grade | Credits |
|--|----------|-------|---------|
| • COSI 109- Introduction to Communication Disorders | | | |
| • COSI 313- Language Development** | | | |
| • COSI 325- Anatomy and Physiology of Speech & Hearing Mechanisms* | | | |

TOTAL CREDITS: _____

| Program Electives | Semester | Grade | Credits |
|--|----------|-------|---------|
| • COSI 211- Phonetics and Phonology* | | | |
| • COSI 220- Introduction to American Sign Language I | | | |
| • COSI 321- Speech and Hearing Science** | | | |
| • COSI 345- Communication and Aging** | | | |

TOTAL CREDITS: _____

*Indicates that the course is only offered during Fall semesters.

**Indicates that the course is only offered during Spring semesters.

Note: This sheet is intended as a guide for determining your progress through the Communication Sciences Minor. Please consult with your Faculty Advisor as well as the Undergraduate Studies Office to ensure that you fulfill the proper Department Requirements.

COMMUNICATION FOR HEALTH PROFESSIONALS MINOR REQUIREMENTS: 15 TOTAL CREDITS

| Required Courses | Semester | Grade | Credits |
|---|----------|-------|---------|
| • COSI 101- Introduction to Health Communication* | | | |
| • COSI 109- Introduction to Communication Disorders | | | |
| • COSI 340- Health Communication** | | | |

TOTAL CREDITS: _____

| Program Electives | Semester | Grade | Credits |
|--|----------|-------|---------|
| • COSI 200- Interpersonal Communication** | | | |
| • COSI 260*/261***- Multicultural Aspects of Human Communication/ Multicultural Aspects of Communication Disorders | | | |
| • COSI 280- Organizational Communication** | | | |
| • COSI 332- Persuasion* | | | |
| • COSI 345- Communication and Aging** | | | |

TOTAL CREDITS: _____

*Indicates that the course is only offered during Fall semesters.

**Indicates that the course is only offered during Spring semesters.

***Indicates that the course may not be offered every year.