

# Speech and Hearing Science

## Intercollegiate Transfer Information

### What should I do if I am thinking about applying to transfer to SHS?

- review the department website: [www.shs.illinois.edu](http://www.shs.illinois.edu)
- attend an ICT informational meeting (strongly recommended) to review requirements and application process with the SHS Academic Advisor
- take at least one SHS course to learn more about the major (earn grade of “B” or higher)
- shadow a professional to gain insight to the field (not required to apply)

### What are some courses I can take if I am interested in SHS?

- SHS 120: Children, Communication & Language Ability (offered 2<sup>nd</sup> 8 weeks)
- SHS 121: Introduction to American Sign Language
- SHS 170: Human Communication: Systems, Processes and Disorders
- SHS 222: Language and Culture of Deaf Communities (offered 1<sup>st</sup> 8 weeks)
- SHS 271 Communication and Aging (offered Spring only)
- SHS 375 Communication Partners and Health

**NOTE:** The above courses are open to all majors (not all are required for the major). Some seats are held in SHS 170 during pre-registration & summer registration for new students.

### What are the requirements to transfer?

- 2.8 UIUC GPA
- Attend an ICT info session (strongly recommended and the best way to get timely information about applying); or meet with SHS advisor. NOTE: individual appointments are typically restricted to current SHS majors only during pre-registration periods)
- submission of application with supportive materials (resume, personal statement addressing interest in the department, relevant experience, possible area of concentration and career interests, and unofficial academic history)

### Where can I get an application?

- Students will receive an application during an ICT informational meeting and online at: [www.ahs.illinois.edu/ict/](http://www.ahs.illinois.edu/ict/).

### When can I apply?

Freshmen may apply during their second semester for consideration for Fall admission. Students who are at least sophomores may apply by any of the designated deadlines for each Fall or Spring term (see <https://ahs.illinois.edu/undergrad-ahs-ict>). Always consult your current advisor if you are considering a transfer to another department!

For more information about Speech and Hearing Science, please visit <http://www.shs.illinois.edu>, or call (217) 333-2230 to inquire about scheduling an appointment with the SHS academic advisor.

**\*\*To be consistent with campus policy, courses taken during the Spring 2020 semester as credit/no credit will not impact our evaluation of your application.\*\***

**DEPARTMENT OF SPEECH & HEARING SCIENCE  
COLLEGE OF APPLIED HEALTH SCIENCES  
UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN**

The undergraduate curriculum in Speech and Hearing Science, which leads to the Bachelor of Science degree, provides a broad background in the biological, behavioral, linguistic, and social foundations of human communication and communication disorders. The major prepares students to pursue a career or graduate education in many fields related to human communication and healthy communication practices. The degree requires at least 128 hours. The program has **four concentrations: Audiology, Speech-Language Pathology, Neuroscience of Communication, and Cultural-Linguistic Diversity**. *Each of the four concentrations can be combined with pre-certification requirements from the American Speech-Language-Hearing Association for undergraduates wanting to pursue a career as either a speech-language pathologist or audiologist* (see Guidelines for Meeting the Undergraduate Requirements for Certificate of Clinical Competence in Speech-Language Pathology). A sequence of courses in American Sign Language is available to students across all four concentrations.

### **CONCENTRATIONS**

The **concentrations in either Speech-Language Pathology or Audiology** provide explicit background in the theoretical and clinical areas necessary for graduate study. Students will learn foundational knowledge for understanding human speech, language, swallowing, hearing, and balance processes, with a particular eye toward the implications of differences and disruptions in the communication systems associated with disorders. Although students across any of the concentrations can pursue the graduate study and pre-certification requirements associated with becoming an audiologist or speech-language pathologist, these two concentrations are the most closely connected to practical application with opportunities for clinical observation and community engagement. More information about the fields of speech-language pathology and audiology may be found on the American Speech-Language Hearing Association's web site: <http://www.asha.org>.

The **Neuroscience of Communication** concentration provides an interdisciplinary understanding of the neurological systems that underlie human communication. Students will study the biological basis of communication in order to understand brain-behavior correlates of typical and disordered speech, language, and hearing function. In addition, students will benefit from faculty research that utilizes innovative technologies to study the structure and function of the sensory-motor systems that underlie human communication abilities. This concentration is intended to help prepare students for health and science-related careers, including medicine and neuroscience. In addition, undergraduates interested in pursuing careers as an audiologist or speech-language pathologist can combine this concentration with pre-certification requirements.

The **Cultural-Linguistic Diversity** concentration is designed to examine ways that individual communication differences, including disorders, interface with sociocultural systems, institutions, and practices. Students will take courses in theory and research methods to explore ways in which sociolinguistic differences shape child development, socialization, and identity. This concentration is intended to help provide students with knowledge related to cultural-linguistic differences (race, ethnicity, socio-economic status, neurodiversity) that is needed to serve an increasingly global society concerned with human rights and responsibilities. Such expertise is expected to enhance multiple career paths in education, law, business, and health-related fields. In addition, undergraduates interested in pursuing careers as an audiologist or speech-language pathologist can combine this concentration with pre-certification requirements.

A concentration must be declared prior to the senior year. **Academic advising** is provided by a full time professional academic advisor who works one on one with students throughout their undergraduate career to help them map out their educational plans, discuss their individual situations or concerns, as well as to help ensure they are making good progress towards addressing degree requirements. The undergraduate academic advisor is available for walk-ins and appointments during regular office hours throughout the academic year to answer any questions undergraduates may have. For more information about the undergraduate program, please contact Kathi Ritten, at: 217-333-2230, or [ritten@illinois.edu](mailto:ritten@illinois.edu).

## STUDENT ORGANIZATIONS

Students in Speech and Hearing Science are active in a number of Registered Student Organizations on campus, many of which are directly connected to their major. One such organization is **NSSLHA** (the National Student Speech-Language Hearing Association), a national pre-professional organization for undergraduate and graduate students interested in the study of human communication and related disabilities. Students may join at the national or local level. The U of I has an active local chapter which meets regularly throughout the year. NSSLHA serves as an important link for students to their future profession and provides them with a sense of connectedness to their department, to the faculty, and to one another. As part of their national membership, students receive the American Speech-Language Hearing Association (ASHA) journals, as well as NSSLHA publications and reduced registration fees to attend national and regional meetings. Members learn more about opportunities that can result from their professional training and gain insight about the national organization and the activities of ASHA.

Other affiliated organizations include:

**B.O.S.S.** (Bilingual Organization of SHS Students) a student organization that supports students within the department who are interested in the study of bilingual speech and hearing sciences, with the goal of sharing knowledge and experiences, and increasing awareness of multicultural and bilingual issues in speech-language pathology and audiology.

**SAA** (the Student Academy of Audiology) for graduate and undergraduate students interested in learning more about the field of audiology and participating in activities that educate, benefit, and advocate for hearing health.

**Autism Speaks U at UIUC**, an organization aimed at furthering the mission of Autism Speaks by engaging the campus and local community in awareness, advocacy and fundraising efforts to help individuals and families affected by autism.

**Operation Smile, UIUC Chapter** raises awareness and aid children with facial deformities by fundraising, community volunteer projects and general meetings to discuss recent news and developments in Operation Smile.

The **College of AHS Council**, a college-wide organization comprised of students from all programs of study in the College of Applied Health Sciences—Kinesiology and Community Health; Recreation, Sport and Tourism; Interdisciplinary Health Sciences; and Speech and Hearing Science that provides opportunities to meet students from other departments in the college through social, volunteer, and college events.

An incomplete list of other organizations students have been involved with include:

Alternative Spring Break (ASB), American Sign Language & Deaf Culture Club (ASL Club), Asian American Association (AAA), Atius-Sachem Leadership Honorary, Best Buddies International, Black Chorus at the University of Illinois, Habitat for Humanity Campus Chapter (Habitat for Humanity), Latinos in Pre-Health (LIP), Mi Pueblo Spanish Conversation Groups (Mi Pueblo), Pre-Occupational Therapy Club, Pre-Physical Therapy Club, Relay for Life, Society for the Advancement of Chicanos and Native Americans in Science - UIUC Chapter, Special Olympics (SO @ UIUC), Undergrad Neuroscience Society (UNS), Vis-A-Vis (VAV), and Volunteer Illini Projects, Inc (VIP).

## SUPPORT SERVICES

The Division of Disability Resources and Educational Services (DRES) is a service unit within the College of Applied Health Sciences that has received national recognition for providing outstanding support and services for college students with psychological, physical and learning disabilities. DRES provides both academic and non-academic support services to more than 1000 students each year with visible and non-visible disabilities. More information about DRES can be found at:

<http://www.disability.illinois.edu>.

**DEPARTMENT OF SPEECH AND HEARING SCIENCE**  
**CURRICULUM REQUIREMENTS**

**GENERAL EDUCATION REQUIREMENTS**

Students are advised to select their General Education course requirements from the University's approved list of courses ([www.courses.illinois.edu/cis/index.html](http://www.courses.illinois.edu/cis/index.html)) and to work in close consultation with their academic advisor to ensure graduation requirements are addressed.

**Communication Skills** 7-10 hours

One course in Composition I (choose from RHET 105; CMN 111 **and** 112 is also an option).

One course in Advanced Writing/Composition II from approved list (must be taken at U of I).

**Natural Sciences and Technology** 6 hours

Two classes or six hours from the university approved Gen.Ed. list required. While not specifically required for the BS degree, students planning to pursue the Speech-Language Pathology or Audiology concentrations and eventual graduate studies in these areas, are advised to take one course in Life Science (a biological science is suggested) and one course in Physical Science (a course in Physics or Chemistry is recommended) to satisfy eventual ASHA certification requirements.

**Quantitative Reasoning I** 3 hours

One course from the approved Gen.Ed. list. Advisory Note: a course in general statistics will address the BS degree requirement; however, those planning to pursue a graduate degree in communication science and disorders are advised to consider taking additional math (calculus may be required by some programs).

**Quantitative Reasoning II** 3 hours

One course from the approved list required.

**Humanities & the Arts** 6 hours

Minimum of two courses from approved list required.

**Social & Behavioral Sciences** 6 hours

Minimum of two courses from approved list required.

**Cultural Studies** 9 hours

One course in Western Cultures from approved list.

One course in Non-western/U.S. Minority Cultures from approved list.

One course in U.S. Minority Cultures from approved list.

**OTHER REQUIREMENTS**

**Foreign Language** 0-12 hours

May be satisfied if had three years of one non-English language in high school **or** completed the equivalent of three semesters of college level foreign language (through the intermediate level).

Total minimum hours to satisfy General Education requirements: 40-54 hours

## **DEPARTMENTAL REQUIREMENTS**

**All students must complete a series of SHS core classes regardless of their area of concentration. Students are advised to work with the undergraduate academic advisor to ensure courses are taken in proper sequential order. One area of concentration (Speech-Language Pathology, Audiology, Neuroscience of Communication, or Cultural-Linguistic Diversity) must be declared prior to the senior year.**

### **SPEECH AND HEARING SCIENCE CORE CLASSES**

**25 hours**

SHS 170 Human Communication: Systems, Processes and Disorders. 3 hours. Offered Fall and Spring.

SHS 191 (LEC X) Orientation for SHS Majors. 1 hour.

SHS 200 General Phonetics. 3 hours. Offered Spring.

SHS 240 Intro to Sound and Hearing Science. 3 hours. Offered Spring.

SHS 300 Anatomy & Physiology of the Speech Mechanism. 4 hours. Offered Fall. Same as LING 300.

SHS 301 General Speech Science. 4 hours. Offered Spring. Same as LING 303.

NOTE: SHS 301 should be taken after SHS 300.

SHS 320 Development of Spoken Language. 3 hours. Offered Fall.

SHS 450 Introduction to Audiology and Hearing Disorders. 4 hours. Offered Fall.

### **CONCENTRATION FOR SPEECH-LANGUAGE PATHOLOGY**

**16-17 hours**

SHS 475 Pre-practicum in Speech-Language Pathology (requires senior standing & completion of core classes), 1 hour. Offered Fall & Spring.

SHS 451 Aural Rehabilitation of Children to Adults. 3 hours. Offered Fall. Prerequisite: Senior standing & completion of core classes.

SHS 473 Augmentative and Alternative Communication 3 hours. Offered Spring. Prerequisite: Senior level & completion of core classes.

SHS 280 Communication Neuroscience. 3 hours.

SHS 380 Communicative Competence and Disorders. 3 hours.

SHS 385 Current Issues in Evidence Based Practice. 3 hours.

**Students must also take 6 hours from the following specified electives:**

SHS 285 Quantitative Bases in SHS (or an approved substitution). 3 hours.

SHS 271 Communication and Aging, 3 hours. Offered Spring.

SHS 291 Research Lab Experience in SHS, 1 to 3 hours. Approved for S/U grading only. Must be arranged with individual faculty member.

SHS 375 Communication Partners and Health, 3 hours. Offered Fall and Spring.

SHS 410 Introduction to Stuttering. 3 hours. Offered Spring. Prerequisite: Senior level in the SHS program or instructor consent.

SHS 430 Develop. & Disorders/Phonology and Articulation. 3 hours. Fall. Prerequisite: Senior level in the SHS program or instructor consent.

SHS 431 Language Disorders in Preschool Children. 3 hours. Offered Fall. Prerequisite: Senior level in the SHS program or instructor consent.

### **CONCENTRATION FOR AUDIOLOGY**

**16-17 hours**

SHS 475 Pre-practicum in Audiology (requires senior standing and completion of core classes) 1 hour. Offered Fall & Spring.

SHS 451 Aural Rehabilitation of Children to Adults. 3 hours. Offered Fall. Prerequisite: Senior standing & completion of core classes.

SHS 280 Communication Neuroscience. 3 hours.

SHS 285 Quantitative Bases in SHS (or an approved substitution). 3 hours.

SHS 352 Hearing Health and Society. 3 hours. Offered Spring.

SHS 385 Current Issues in Evidence Based Practice. 3 hours.

**Students must also take 6 hours from the following specified electives:**

SHS 222 Section Language and Culture of Deaf Communities, 3 hours. Offered during the first 8 weeks only. Offered Fall and Spring.

SHS 270 Communication Disability in the Media, 4 hours. Offered Fall.

SHS 271 Communication and Aging, 3 hours. Offered Spring.

SHS 291 Research Lab Experience in SHS, 1 to 3 hours. Approved for S/U grading only. Must be arranged with individual faculty member.

SHS 375 Communication Partners and Health, 3 hours. Offered Fall and Spring.

SHS 473 Augmentative and Alternative Communication 3 hours. Offered Spring. Prerequisite: Senior level & completion of core classes.

**\*NOTE:** For those planning on pursuing graduate studies in Speech-Language Pathology or Audiology, many graduate programs require 25 clinical observation hours. These should be completed and recorded prior to graduation (some may be completed prior to serving as a clinical participant during SHS 475 but the remainder may be done in pre-practicum).

### **CONCENTRATION FOR NEUROSCIENCE OF COMMUNICATION**

**16-17 hours**

SHS 280 Communication Neuroscience. 3 hours.

SHS 285 Quantitative Bases in SHS (or an approved substitution). 3 hours.

SHS 389 Neuroplasticity & Communication (or an approved substitution). 3 hours.

SHS 427 Language and the Brain. 3 or 4 hours. Offered Spring.

SHS 470 Neural Bases in Speech Language. 4 hours. Offered Fall. Prerequisite: SHS 300 and 301 or equivalent.

#### **Students must also take 6 hours from the following specified electives:**

Any Chemistry or Physic 100-level class

IB 100 Biological Sciences (provided courses are not used to satisfy a Gen. Ed. requirement). 3 hours.

PSYC 204 Intro to Brain and Cognition. 3 hours.

PSYCH 216 Child Psychology or EPSY 236 Child Development. 3 hours.

PSYC 230 Perception and Sensory Processes. 3 hours.

PSYC 224 Cognitive Psychology. 3 hours.

PSYC 248 Learning and Memory. 3 hours/

SHS 291 Research Lab Experience in SHS, 1 to 3 hours. Approved for S/U grading only. Must be arranged with individual faculty member.

SHS 375 Communication Partners and Health, 3 hours. Offered Fall and Spring.

SHS 473 Augmentative and Alternative Communication 3 hours. Offered Spring. Prerequisite: Senior level in the SHS program or consent of instructor.

### **CONCENTRATION FOR CULTURAL-LINGUISTIC DIVERSITY**

**16 hours**

SHS 222 Section Language and Culture of Deaf Communities, 3 hours. Offered during the first 8 weeks only; offered Fall and Spring.

SHS 270 Communication Disability in the Media, 4 hours. Offered Fall.

SHS 271 Communication and Aging, 3 hours. Offered Spring.

SHS 352 Hearing Health and Society, 3 hours. Offered Spring.

SHS 380 Communicative Competence and Disorders. 3 hours.

#### **Students must also take 6 hours from the following specified electives:**

**Up to 6 hours of foreign language (only those taken above and beyond those used to satisfy the university's foreign language requirement or taken in a different area for elective credit)**

CMN 232 Intro to Intercultural Communication. 3 hours.

CHLH 330 Disability in American Society. 3 hours.

CHLH 407 Disability, Culture & Society. 3 hours.

EPS 310 Race and Cultural Diversity. 3 hours.

EPSY 202 Exploring Cultural Diversity. 3 hours.

LING 111 Language in Globalization. 3 hours.

LING 210 Language History. 3 hours.

LING 450 Sociolinguistics I. 3 hours.

SPED 117 The Culture of Disability. 3 hours.

SOC 225 Race and Ethnicity. 3 hours.

SOC 227 Latina/Latinos in Contemporary US. 3 hours.

SHS 291 Research Lab Experience in SHS, 1 to 3 hours. Approved for S/U grading only. Must be arranged with individual faculty member.

## **GENERAL ELECTIVES**

**Hours may vary**

All students are encouraged to take electives in and outside the department that will count towards the 128 required hours for graduation (the total number of electives students may take may vary with each individual). Students are encouraged to select electives that will complement their areas of interest and future goals. Areas listed below are only a sampling of possibilities; they are not to be considered as requirements and students are not limited to these choices. All students are responsible for addressing course pre-requisites and course availability may vary.

Anthropology (ANTH), Communications (CMN), Kinesiology and Community Health (KIN, CHLH), Educational Organization and Leadership (EOL), Curriculum & Instruction (CI), Educational Policy Studies (EPS), Educational Psychology (EPSY), English (ENGL), English as a Second Language (ESL), Gender and Women's Studies (GWS), Human Development and Family Studies (HDFS), Library and Information Science (LIS), Linguistics (LING), Psychology (PSYC), Recreation, Sport, & Tourism (RST), Rehabilitation Counseling (REHB), Special Education (SPED), Sociology (SOC), Social Work (SOCW). Additional areas to explore may include: courses in a foreign language beyond the completion of the University's requirement, as well as additional courses in science, such as Biology (IB, MCB), Physics (PHYS), microcomputer applications (e.g. ACE), and courses in cultural studies.

## **SHS COURSES THAT MAY BE TAKEN AS GENERAL EDUCATION REQUIREMENTS OR AS ELECTIVES**

NOTE: These courses may be used to satisfy specific General Education requirements (where noted) or be used towards departmental elective hours required for the major, provided they are not used to fulfill to satisfy a concentration requirement. They may also count towards the 128 hours required for graduation. Students are not required to take General Education courses in the major and additional hours for general electives may be taken outside the department.

SHS 120 Children, Communication and Language Ability, 3 hours. Behavioral Sciences course. Offered Fall and Spring (as full and second 8 week courses).

SHS 150 Hearing Processes and Disorders, 3 hours. Offered second 8 weeks only.

SHS 121 American Sign Language, 4 hours.

SHS 221 American Sign Language 2, 4 hours.

SHS 321 American Sign Language 3, 4 hours.

SHS 199 Undergraduate Open Seminar, 1 to 5 hours. May be repeated up to a maximum of 5 hours. Approved for letter and S/U grading. Must be arranged with individual faculty member.

SHS 222 Language and Culture of Deaf Communities, 3 hours. Offered Fall and Spring during the first 8 weeks only. US Minority Culture course and Social Sciences course.

SHS 270 Communication Disability in the Media, 4 hours. Advanced Composition and Social Sciences course. Offered Fall.

SHS 271 Communication and Aging, 3 hours. Social Sciences course. Offered Spring.

SHS 291 Research Lab Experience in SHS, 1 to 3 hours. May be repeated up to a maximum of 6 hours. Approved for S/U grading only. Must be arranged with individual faculty member. Offered Fall and Spring.

SHS 352 Hearing Health and Society, 3 hours. Offered Spring.

SHS 375 Communication Partners and Health, 3 hours. Offered Fall and Spring. (Repeatable up to six hours.)

SHS 390 Individual Study, 2 to 4 hours. May be repeated up to a maximum of 6 hours. Must be arranged with individual faculty member. Offered Fall & Spring. Prerequisite: Ten hours of speech and hearing science and written approval by the faculty member who will sponsor and supervise the student's work.

SHS 395 Honors Individual Study, 2 hours. May be repeated up to a maximum of 4 hours. Must be arranged with individual faculty member. Offered Fall and Spring. Prerequisite: Senior standing; a cumulative grade point average of 3.5 or consent of the head of the department.



# Career Paths in Speech and Hearing Science

**F**or people with speech and hearing disorders, communicating effectively can be challenging and frustrating. Students in speech and hearing science are prepared to make a difference in the lives of people with communication impairments, either as direct service providers or as research scientists. Occupations where a background in speech and hearing science is valuable are as varied as the field itself, offering opportunities in audiology, teaching, neuroscience, medicine and much more. Here are just a few examples:

- Affirmative Action Officer
- Applied Behavioral Analyst
- At Risk Counselor
- Audiologist
- Case Manager
- Child Life Specialist
- Child Psychologist
- College Student Affairs Administrator
- Day Care Center Director
- Disability Lawyer
- Down Syndrome Education Specialist
- Elementary/High School Teacher
- Employment Recruiter
- Employment Relations Coordinator
- English-as-a-Second-Language Instructor
- Guidance Counselor
- Health Educator
- Interpersonal Communicator
- Neuropsychologist
- Nurse
- Occupational Therapist
- Paraprofessional Inclusion Aide
- Personal Care Aide
- Physical Therapist
- Physician Assistant
- Professor
- Public Administrator
- Rehabilitation Counselor
- Research Assistant
- Social Worker
- Special Education Teacher
- Speech-Language Pathologist
- Technical Writer
- Training Specialist
- Vocal Performance Coach
- Volunteer Services Director
- Youth Counselor

The undergraduate Speech and Hearing Science Minor is designed for students who seek a basic familiarity with the physical, behavioral, biological, and social aspects of human communication. The minor is tailored to each student's individual needs, thus accommodating students from different disciplines across the campus. There are no prerequisites for this minor. For more information contact Kathi Ritten, Academic Advisor, at [ritten@illinois.edu](mailto:ritten@illinois.edu).

**Minimum required major and supporting course work:** Students must meet the following course requirements for a total of 17-19 hours.

Course List		
Code	Title	Hours
<u>SHS 170</u>	Introduction to Human Communication: Systems and Disorders	3
Select two of the following:		6-7
<u>SHS 222</u>	Language and Culture of Deaf Communities	
<u>SHS 240</u>	Introduction to Sound and Hearing Science	
<u>SHS 300</u>	Anatomy and Physiology of Speech Mechanisms	
<u>SHS 320</u>	Development of Spoken Language	
<u>SHS 352</u>	Hearing Health and Society	
Eight (8) to nine (9) additional hours of speech and hearing science courses chosen from the following list, with at least six (6) credit hours at the 300-400 level.		8-9
<u>SHS 120</u>	Children, Communication and Language Ability	
<u>SHS 200</u>	General Phonetics	
<u>SHS 271</u>	Communication and Aging	
<u>SHS 280</u>	Communication Neuroscience	
<u>SHS 301</u>	General Speech Science	
<u>SHS 333</u>	Children with Neurodevelopmental Disorders Across Communication Contexts	
<u>SHS 375</u>	Communication Partners and Health	
<u>SHS 380</u>	Communicative Competence and Disorders	
<u>SHS 389</u>	Neuroplasticity and Communication	
<u>SHS 427</u>	Language and the Brain	
<u>SHS 450</u>	Introduction to Audiology and Hearing Disorders	
<u>SHS 451</u>	Aural Rehabilitation Children to Adults#	
<u>SHS 473</u>	Augmentative and Alternative Communication*	

#Consent of instructor required

\*Senior level status in SHS or instructor consent required

Please complete the Statement of Intent to Pursue a Campus Approved Minor form to declare the minor.