



COLLEGE OF SCIENCE

Speech, Language  
& Hearing Sciences

# Change of Major Speech, Language, and Hearing Sciences





## Our Mission

The mission of the Department of Speech, Language, and Hearing Sciences is to contribute to the scientific study of human communication and its disorders, to educate students regarding the relevant knowledge and skills necessary to clinical and research endeavors in the field, and to provide service to the university, community, state, and beyond.

## Our Vision

Our vision is to be a premier university program in Speech, Language, and Hearing Sciences, providing international leadership in research, excellence in education and clinical training, and service that advances the field and improves the lives of individuals with communication disorders.







# The SLHS Building

## Where are we located?

The SLHS Department is located at 1131 E. Second Street, Tucson, AZ 85721

We are a short walk from Old Main and the Student Union Memorial Center

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## What is in our building?

Our department contains classroom spaces, faculty offices, business and advising offices, and even clinic spaces! The SLHS building is proud to offer our own in-house clinic who serves the Tucson community.

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## What programs do we host?

The SLHS Department is home to students of the following programs:

- Undergraduate
  - Bachelors of Science in Speech, Language, and Hearing Sciences
- Graduate
  - Masters of Science with an emphasis in Speech-Language Pathology (M.S.)
  - Doctor of Audiology (Au.D.)
  - Doctor of Philosophy (Ph.D.)



# Why choose to major in SLHS?



## Healthcare + Education

You want to pursue a career that is the perfect blend of health and helping

You want to have career options that are not only hospitals, but the ability to work in schools, private practices, community clinics, or industry.

## STEM Training

You want to gain scientific knowledge on all aspects of human communication

You want to be able to learn, integrate, and apply scientific knowledge through a combination of written, presented, hands-on and assessed teachings.

## Community

You want to join a department that serves the greater community

You want to enter a profession focused on serving a variety of individuals from a variety of communities

# Two Main Pathways, Unlimited Career Options

The SLHS Department prepares students who wish to pursue graduate studies in Speech-Language Pathology and Audiology.



## Speech-Language Pathologist (SLP)

- SLPs are experts in human communication and its disorders. They evaluate and treat children and adults with speech, language, voice, cognitive, and swallowing difficulties.
- Potential work settings:
  - Schools, hospitals, community clinics, rehabilitation centers, home health care, private practice
- Graduate School Requirement: Master's Degree (two-year program following Bachelor's Degree completion)

## Audiologist (AuD)

- Audiologists are health care professionals who identify, diagnose, and treat hearing and balance disorders in people of all ages. They play an important role in hearing loss prevention, intervention, and hearing health education.
- Potential work settings:
  - Hospitals, schools, private practices, physician offices (ENT offices), hearing clinics, industry
- Graduate School Requirement: Doctorate Degree (four-year program following Bachelor's Degree completion)



## Additional Career Pathways:

- Speech-Language Pathology Assistant (SLPA)
- Audiology Assistant
- Research Assistant
- Listening and Spoken Language (LSL) Specialist



## Additional Graduate School Pathways:

- Special Education
- Social Work
- Public Health
- Counseling
- Behavior Analyst
- Teaching, Early Childhood Education, Secondary Education, Higher Education
- Family Studies and Human Development
- Rehabilitation



# What does a degree in SLHS cover?



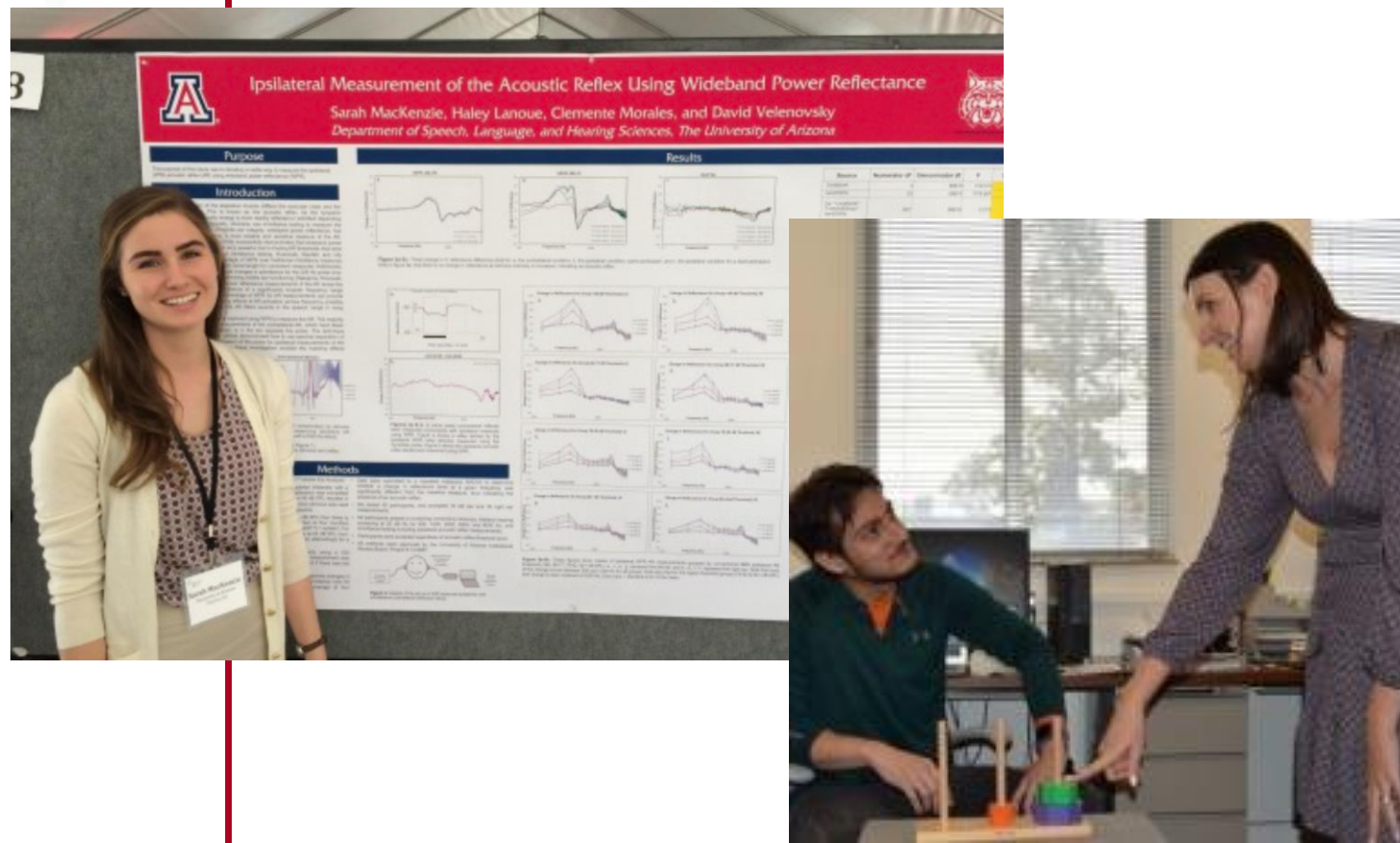
Undergraduate coursework in SLHS covers the biological, psychological, linguistic, acoustic, and cultural foundations of normal human communication, and an introduction to developmental and acquired communication disorders. A few examples of the disorders we introduce in our coursework:

- Aphasia
- Dysphagia
- Apraxia of Speech
- Dementia
- Autism Spectrum Disorder
- Down Syndrome
- Dyslexia
- Traumatic Brain Injury
- Stroke
- Stuttering
- Speech Sound Disorders
- Developmental Language Disorders
- Cleft Lip and Palate
- Right Hemisphere Disorder
- Hearing Loss

A variety of teaching and learning methodologies are deployed through our coursework, reading cutting-edge research articles, collaborative problem solving, clinical case studies, and use of patient videos/audio recordings.



# Opportunities Outside of the Classroom



## Research Labs

With over 12 different labs in the SLHS department, students can get involved in the speech, language, or hearing research that interests them the most!

<https://slhs.arizona.edu/research-labs>

## Independent Study

Faculty members work with students to conduct their own projects, or work on an existing project, and enroll in credit.

## Wings on Words

Students can volunteer at WOW. A preschool about 5 minutes from campus that provides children with educational programming.

<https://slhs.arizona.edu/clinic/speech-language-services/child-language-centerwings-words>

## Preceptorship

Students who have previously taken a course and done well can serve in a role to support students both in and out of the classroom.

## Clinical Observation

Students can observe clinical appointments in our on-site Speech, Language, and Hearing Clinic.

<https://slhs.arizona.edu/clinical-observations>



# How to get involved:

Contact our academic advisor  
Alex Hernandez

Email: [ahernandez@arizona.edu](mailto:ahernandez@arizona.edu)

Appointment: [Trellis](#)

Check out our student organizations:

<https://slhs.arizona.edu/student-groups>

- National Student Speech-Language and Hearing Association (NSSLHA)  
<https://www.instagram.com/uansslha/>
- Speech-Language and Hearing Cats of Color (SHCC)  
[https://www.instagram.com/ua\\_shcc/](https://www.instagram.com/ua_shcc/)
- Student Academy of Audiology (SAA)  
<https://www.instagram.com/uarizonasaa/>







# Academics





# Degree Required Coursework

Anatomy  
Acoustics  
Development  
Disorders  
Neurobiology  
Phonetics

... and so much more!

## SLHS MAJOR REQUIRED COURSES (33 UNITS)<sup>6</sup>

### Fall

SLHS 261  
SLHS 340\*  
SLHS 362  
SLHS 477  
SLHS 483\*

### Spring

<input type="checkbox"/> 4	SLHS 267	<input type="checkbox"/> 3
<input type="checkbox"/> 3	SLHS 367	<input type="checkbox"/> 3
<input type="checkbox"/> 3	SLHS 380*	<input type="checkbox"/> 4
<input type="checkbox"/> 3	SLHS 441	<input type="checkbox"/> 3
<input type="checkbox"/> 4	SLHS 473	<input type="checkbox"/> 3

(\* - Also offered in summer)

## Cactus Book

See page 21 for course titles and descriptions



# Overview

## SLHS 261: Anatomy and Physiology of the Speech Mechanism

- This course is focused on the basic anatomy and physiology of the respiratory, laryngeal, and supraglottic airway subsystems as they pertain to speech production for human communication

## SLHS 267: Acoustics for Speech and Hearing Sciences

- This course will cover the basic principles of acoustics in speech and hearing.

## SLHS 340: Language Science

- Core features of language are identified and integrated into a model of language that is applicable to language disorders and language development. Topics include: phonology, morphology, syntax, semantics, and pragmatics

## SLHS 367: Phonetics for Speech-Language Pathology

- This course overviews the scientific study of speech sounds with a focus on transcription of different types of speech, including adult and child speech, and typical and disordered speech. The focus of the class will be primarily on English (including its dialectal variants), but other languages will also be discussed.

## SLHS 362: Neurobiology of Communication

- This course focuses on the role of the central nervous system in human communication. The study of brain anatomy and physiology is approached from the perspective of how neurological systems support speech, language, and hearing and how breakdowns in these systems disrupt aspects of communication.

## SLHS 380: Hearing Science

- This course introduces the scientific foundation for the sense of hearing, and is organized around lectures and laboratory-demonstrations that address (a) the anatomy and physiology of the ear and related structures, and (b) the basics about auditory perception.

## SLHS 477: Communication Disorders I

- This course focuses on disorders affecting communication across the lifespan. Consideration is given to signs and symptoms, etiology, clinical course, and vocational-social impact of these disorders. Principles of assessment and intervention are highlighted.

## SLHS 441: Language Acquisition

- Principles and processes of language acquisition (monolingual and bilingual) will be described in relation to children's social, cognitive, and motor development. This course will briefly compare and contrast the first language acquisition processes to child and adult second language acquisition. Although not the focus of the course, warning signs of language disorders will also be highlighted

## SLHS 483: Principles of Audiology

- Basic principles and techniques of audiological testing, etiologies of hearing impairment, and intervention strategies

## SLHS 473: Communication Disorders II

- This course focuses on disorders affecting communication across the lifespan. Consideration is given to signs and symptoms, etiology, clinical course, and vocational-social impact of these disorders. Principles of assessment and intervention are highlighted.

### SLHS MAJOR REQUIRED COURSES (33 UNITS)<sup>6</sup>

<i>Fall</i>	<i>Spring</i>	
SLHS 261	□ 4 SLHS 267	□ 3
SLHS 340*	□ 3 SLHS 367	□ 3
SLHS 362	□ 3 SLHS 380*	□ 4
SLHS 477	□ 3 SLHS 441	□ 3
SLHS 483*	□ 4 SLHS 473	□ 3

(\* - Also offered in summer)



# SLHS ELECTIVE COURSEWORK

## FALL

SLHS 207  3

SLHS 341\*  3

**SLHS 471**  3

## SPRING

SLHS 255  3

SLHS 263  3

SLHS 270  3

SLHS 435  3

**SLHS 454**  3

SLHS 471 (Speech Sound Disorders) and SLHS 454 (Audiologic Rehabilitation Across the Lifespan) highly recommended for students who want to pursue SLP or AuD graduate studies

**Cactus Book** 

See page 22 for elective titles and descriptions





# Questions?

Visit our webpage <https://slhs.arizona.edu/>

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Contact our advisor: [ahernandez@arizona.edu](mailto:ahernandez@arizona.edu)



College of Science

