



## Mission

The mission of the **Department of Speech, Language, and Hearing Sciences** is to advance the scientific study of human communication and its disorders, to offer exceptional education regarding the knowledge and skills necessary for clinical and research endeavors in the field, to improve the lives of those with communication disorders, and to serve the profession, the university, the state, and beyond.

## Degree Programs

### Bachelor of Science (325 students)

- provides a strong background on the neurobiological, acoustic, psychological, developmental, linguistic, and cultural foundations of human communication and its disorders.
- focuses on critical thinking, writing skills, and problem-solving abilities that have application to a broad range of careers.
- prepares students for graduate study in speech-language pathology, audiology, and research degrees in speech, language, and hearing sciences.

### Master of Science (MS), Doctor of Audiology (AuD), Doctor of Philosophy (PhD) (100 students)

- The MS (2 years) and AuD (4 years, including 1-year externship) degrees prepare graduates to meet academic and clinical requirements for certification by the American Speech-Language-Hearing Association and include training in research methods and principles of evidence-based practice.
- The PhD degree includes original dissertation, and the majority of our students obtain external funding through the National Institutes of Health.
- We offer one of the few **Bilingual Certificate Programs** in US.

### 30+ Years of Top 10 Graduate Program Recognition

- **Speech-Language Pathology** ranked #7 of 269 U.S. programs
- **Audiology** ranked #9 of 73 U.S. programs



## Faculty

SLHS Department includes 15 tenure-track faculty, 14 clinical faculty, and 2 senior lecturers.

## Honors

- **16 Fellows of the American Speech-Language-Hearing Association**
- **2 Fellows of the Acoustical Society of America**
- **9** received highest **Honors of the American Speech-Language-Hearing Association**
- **3 College of Science Galileo Circle Fellows**
- **1 Rossing Prize in Acoustics Education, Acoustical Society of America**
- Recognition of faculty teaching/mentoring excellence (teaching effectiveness average 4.4 of 5.0)



# Speech, Language, and Hearing Sciences

## Faculty Leadership

- Members of **NIH grant review** panels (Beeson, Hoit, Plante, Story)
- **President**, Council on Academic Programs in Communication Sciences and Disorders (DeRuiter)
- Past **Vice-President** for Academic Affairs in Audiology, ASHA (Cone)
- Committee Member, **National Academies of Science, Engineering, and Medicine**, Institute of Medicine, Accessibility and Affordability of Hearing Health Care for Adults (Marrone)
- **Journal Editors** (Hoit, Bunton, Story, and Plante)
- **Director**, UA Postdoctoral Affairs (Hoit)
- **Chair**, UA Brain Imaging Operations Committee (Plante)

## Excellence in Research

Our faculty conduct **basic and translational research** on the neuronal biological basis of speech, language, and hearing, and the nature and treatment of communication disorders throughout the lifespan.

- **Research funding portfolio over \$8 million**, with 80% of research faculty with current/recent external funding from NIH, NSF, and other sources.
- Research areas
  - o Developmental and acquired impairments of spoken and written language
  - o Neurobiology of language development and disorders
  - o Neuroimaging and electrophysiological measures of speech/language and auditory processing
  - o Traumatic brain injury, concussion, and speech disorders caused by neurogenic impairment
  - o Speech development: mechanisms, acoustic characteristics, and bilingual issues
  - o Addressing health care disparities and bilingual/bicultural issues in service delivery
  - o Acoustics and biomechanics of speech production, computational modeling
  - o Voice and vocal pathology in humans (and birdsong analogs)
  - o Hearing science, clinical audiology, hearing aids and assistive technology

## Excellence in Clinical Education and Service to the Community

**On-campus Speech, Language, and Hearing Clinics** provide diagnostic and treatment services for communication disorders to over 4,000 Tucsonans every year, including **specialty programs**:

- Aphasia Groups for adults with acquired language impairment
- Post-concussion intervention program for adolescents and adults
- Social communication groups for individuals with autism
- Identification of speech and language disorders in bilingual populations
- Preschool and Summer Camp for children with speech and language delay
- Assessment and treatment of neuromotor speech disorders for children and adults
- Services for vocal pathologies, professional voice, transgender voice, and accent modification
- Living Well with Hearing Loss (and Spanish version: Oyendo Bien)
- Community hearing aid bank in collaboration with Sertoma

**Community partnerships off-campus** allow faculty and students to provide services to more than 3,000 individuals each year in southern Arizona and Mexico. This includes:

- 18 hospitals/medical centers/rehabilitation facilities; 7 school districts; 30+ clinics and private practices

**Continuing education** provided to over 200 community professionals every year.

