

SPEECH AND HEARING SCIENCES

The field of speech and hearing sciences involves the study of all aspects of normal and impaired human communication. The Department is committed to understanding the basic processes and mechanisms involved in normal processes of speech, language, hearing, swallowing, and their disorders, and to improving the quality of life for individuals affected by communication and swallowing disorders across the lifespan.



The Department of Speech and Hearing Sciences' graduate program was ranked number three in Speech-Language Pathology and number three in Audiology in the most recent rankings of *U.S. News and World Reports* (2012).

The Chronicle of Higher Education ranks UW Speech and Hearing Sciences number two in the country on their Faculty Productivity Index.

Education

The Department of Speech and Hearing Sciences offers a Bachelor of Science in Speech and Hearing Sciences, a Master of Science in Speech-Language Pathology, a Master of Science in Medical Speech-Language Pathology, a Doctor of Audiology, and a Doctor of Philosophy. The Master of Science and Doctor of Audiology degree programs are accredited by the Council on Academic Accreditation in Audiology and Speech-Language Pathology (CAA).

Doctoral research in the Department has been supported by a training grant from the National Institute for Deafness and Other Communication Disorders since 1990. Doctoral students have also competed successfully for Ruth L. Kirschstein National Research Service Awards from NIH, and scholarships from the National Science Foundation, the American Academy of Audiology, and the American Speech-Language-Hearing Association.

Faculty

Department of Speech and Hearing Sciences faculty honors include:

- American Academy of Arts and Sciences Fellows
- American Institute of Physics Gold Medal
- Acoustical Society of America (ASA): President; Fellows; Silver Medal
- American Speech-Language-Hearing Association (ASHA): Presidents; Board of Directors; Fellows; Honors of the Association
- American Speech and Hearing Foundation (ASHFoundation): Presidents; New Investigator Award; New Century Scholar Research Award
- IPSEN Foundation's Jean-Louis Signoret Neuropsychology Prize
- University of Washington: Distinguished Teaching Award; David B. Thorud Leadership Award; William P. & Ruth Gerberding Professor; Marsha Landolt Graduate Mentor Award
- Washington Speech-Language-Hearing Association (WSLHA): Presidents; Board of Directors; Clinical Achievement Awards; Honors of the Association

STUDENTS (Autumn 2015)

- 117 Undergraduate (BS) majors and postbaccalaureate students
- 83 Master of Science (MS) students
- 17 Doctor of Philosophy (PhD) students
- 45 Doctor of Audiology (AuD) students

DEGREES AWARDED (July 2014-June 2015)

- 68 BS degrees
- 41 MS degrees
- 6 PhD degrees
- 11 AuD degrees

FACULTY (2015-2016)

- 6 Professors
- 4 Associate Professors
- 5 Assistant Professors
- 1 Principal Lecturer
- 3 Senior Lecturers
- 6 Lecturers, full time
- 9 Lecturers, part time
- 2 Research Professors
- 2 Research Assistant Professors
- 7 Research Associates
- 11 Adjunct/Affiliate Appointments
- 24 Clinical Instructors
- 7 Emeritus Professors
- 1 Emeritus Senior Lecturer
- 15 Clinical Associates

Interdisciplinary Research

The Department of Speech and Hearing Sciences has many ties with other disciplines at the UW and beyond. A few examples:

- Several SPHSC faculty have clinical appointments and laboratory space in the UW's Center for Human Development and Disability (CHDD); SPHSC graduate students in speech-language pathology and audiology fulfill part of their curriculum requirements during clinical rotations at the CHDD.
- The UW Autism Center, directed by an SPHSC faculty member, is an interdisciplinary clinic, research, and training facility with faculty from three UW Schools and Colleges.
- SPHSC and the College of Education collaborate on research into social communication in the Experimental Education Unit (EEU)—a model demonstration school that provides integrated classrooms for nearly 200 infants, toddlers, and young children with disabilities and their typically developing peers.
- Twelve SPHSC faculty members are affiliate professors and two are on the board of advisors at the Virginia Merrill Bloedel Hearing Research Center. The Bloedel Center, in the UW School of Medicine, is the largest hearing research group in the U.S.
- The Institute for Learning and Brain Sciences (I-LABS), co-directed by an SPHSC faculty member, is an interdisciplinary research center that draws research faculty from SPHSC and other departments across five UW schools and colleges.

Outreach

Department faculty and students take part in a number of state, national, and international outreach activities which include:

- Providing undergraduate peer mentorship to UW students with Autism Spectrum Disorder (ASD). The student mentors provide customized coaching and facilitate problem solving for social challenges as young adults with ASD navigate the Seattle campus and collegiate system.
- Working with preschools and elementary schools in western Washington to screen children for hearing loss, as well as speech and language delays and disorders.
- Participating in the "Healthy Hearing" program through the Special Olympics Washington (SOWA) Health Athlete Initiative, screening athletes annually for permanent, medically significant hearing loss.
- Offering a yearly Aphasia Day Retreat for stroke survivors and their caregivers from our community. The event focuses on helping these individuals navigate life after stroke, providing educational sessions, access to local experts in post-stroke rehabilitation and care, and opportunities to connect, communicate, and share with other stroke survivors and caregivers.
- Offering a Hearing Aid Assistance Program (HAAP) to those in our community who are otherwise unable to obtain services and hearing amplification due to financial limitations, while teaching clinical skills and promoting philanthropic awareness with the students in the AuD program.
- Implementing a Communication for Life (CFL) program for young adults with developmental disabilities (a marginalized and underserved population) with weekly classes focused on communication skills critical for the transition from high school to adulthood. The program focuses on several, functional themes: vocation, health, safety and self-advocacy, social life and leisure.
- Organizing an annual fundraising walk in Seattle for the Childhood Apraxia of Speech Association of North American (CASANA), which raised \$15,695 for the organization in 2015.
- Partnering yearly with the organizations Hearts in Motion and Healing the Children to bring much needed adult and pediatric speech, language, swallowing and audiology services to underserved areas in and around Zacapa, Guatemala.

RECENT STUDENT HONORS

- 3 ASHA Minority Student Leadership Program (MSLP) Awards
- 3 ASHA Graduate Student Scholarships
- 2 ASHA Students Preparing for Academic-Research Careers (SPARC) Awards
- 5 ASHFoundation New Century Scholar Awards
- 1 CAPCSD Frances J. Laven Scholarship
- 2 Gatzert Child Welfare Fellowships
- 5 Leadership in Neurodevelopmental & Related Disabilities (LEND) Scholars
- 4 Mary Gates Undergraduate Scholarship Awards
- 6 SLP Public School Awards
- 1 UW Retirement Association Aging Scholar
- 12 UW Top Scholar Awards

AREAS OF RESEARCH INCLUDE:

- Adult & Pediatric Audiology
- Aphasia Rehabilitation & Language Processing
- Auditory Development in Infants & Children
- Auditory Assessment & Electrophysiology
- Auditory Attention & Neuroscience
- Augmentative & Alternative Communication
- Cochlear Implant Psychophysics & Physiology
- Cognitive-Communication Disorders
- Cognitive Neuroimaging
- Etiologies & Interventions for Autism Spectrum Disorders
- Language Development & Disorders in Children
- Motor Speech Disorders in Adults
- Pediatric Aural Habilitation
- Sensorimotor Control in Speech & Stuttering
- Social Communication
- Speech Development, Perception & Production
- Voice Disorders in Adults & Children

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