

PACS

Program in Audiology and
Communication Sciences
2018-19



 Washington University in St. Louis
SCHOOL OF MEDICINE

The mission of the Program in Audiology and Communication Sciences (PACS) is to serve as a center of excellence in audiology, deaf education, and speech and hearing sciences. This will be accomplished by:

- delivering exemplary educational programs;
- fostering a community of support; and
- maintaining high expectations for professionalism, leadership and service.

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Exceptional Graduate Education

The Program in Audiology and Communication Sciences (PACS) at Washington University School of Medicine offers exceptional graduate education in one of the world's leading centers for education, clinical care and research in hearing disorders.

Degrees Offered

- **Doctor of Audiology (AuD):** prepares students as clinical audiologists
- **Master of Science in Deaf Education (MSDE):** prepares students as teachers of children who are deaf or hard of hearing
- **Doctor of Philosophy (PhD):** prepares students for academic and research careers in speech and hearing sciences

We invite you to become a part of our extraordinary community of educators, scholars and clinicians.



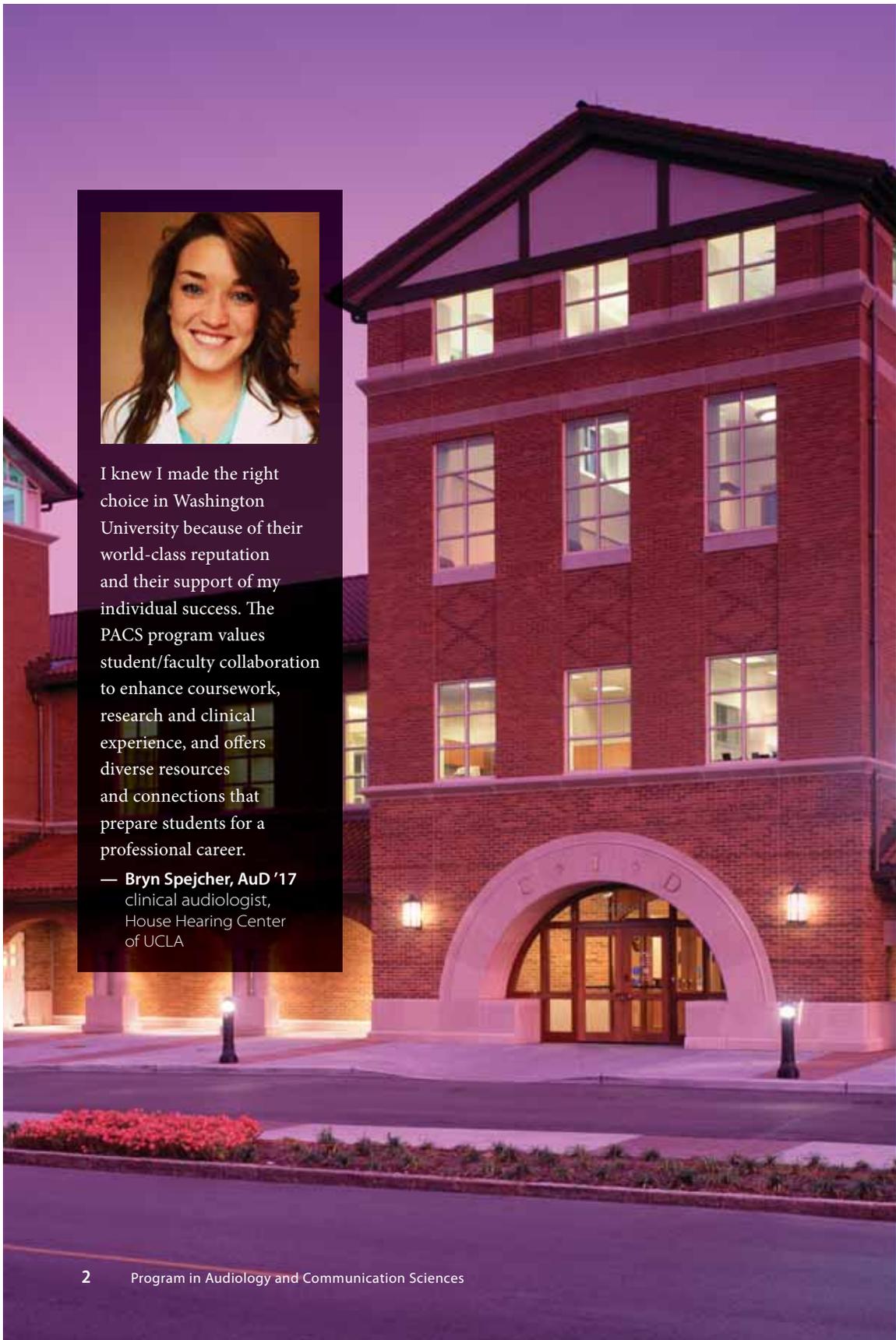
What is PACS?

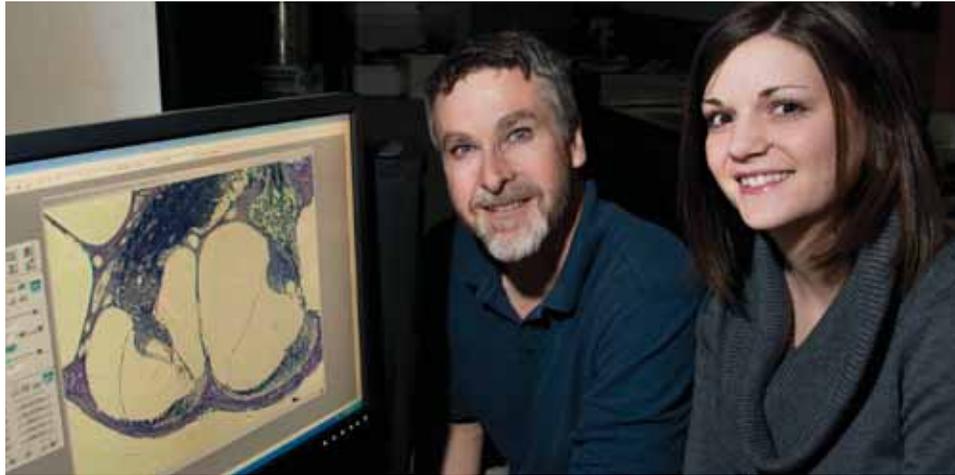
PACS is a graduate education program offering degrees in audiology, deaf education, and speech and hearing sciences. PACS is a member of a consortium of programs known as CID at Washington University School of Medicine. The consortium also includes hearing research programs and adult audiology clinics.



I knew I made the right choice in Washington University because of their world-class reputation and their support of my individual success. The PACS program values student/faculty collaboration to enhance coursework, research and clinical experience, and offers diverse resources and connections that prepare students for a professional career.

— **Bryn Spejcher, AuD '17**
clinical audiologist,
House Hearing Center
of UCLA





Why Washington University?

PACS graduate programs are among the oldest and most respected of their kind. Our experience and comprehensive learning opportunities produce graduates fully prepared to reach their professional goals.

Our programs combine the individualized attention of a supportive faculty with the resources of a world-class academic medical center. Washington University's internationally recognized hearing sciences research enterprise, its outstanding audiology clinics, and the world-renowned CID school for children who are deaf or hard of hearing are all on campus and serve as the sites of learning for our students.

As participants in this rich environment, students gain a breadth and depth of experience that is virtually unparalleled.

Exceptional Learning Environment

- Supportive faculty
- Innovative curriculum
- Hands-on learning experiences at local and national sites
- Comprehensive research opportunities

The Doctor of Audiology (AuD) Program

The Doctor of Audiology (AuD) program is a four-year course of study that prepares students as independent clinical audiologists. Established in 1947, the program is among the oldest and most prestigious of its kind. Today, its curriculum serves as a national model, immersing students in academic coursework, clinical experiences and research opportunities. Ranked No. 3 in the country by *U.S. News & World Report*, the program and its faculty are internationally recognized and attract a diverse body of students.

Curriculum

During the first three years, coursework is integrated with clinical and research training, with students completing a Capstone Project in the third year of study. The fourth year is fully dedicated to clinical training. A variety of formative and summative assessments are required during the four-year program to ensure each student's acquisition of knowledge and mastery of skills. The curriculum covers the scope of practice and includes coursework in the basic and applied sciences, as well as prevention, identification, evaluation and treatment of auditory and vestibular disorders.



Pediatric Audiology Specialization

A Pediatric Audiology Specialization is available for qualifying AuD students. The specialization offers students specialized coursework, clinical practicum opportunities, research experiences and collaborative learning experiences related to pediatric audiology, with the goals of enhancing services to children who are deaf or hard of hearing and alleviating a national shortage of professionals in this area. Enrollment begins in the second year.

Clinical Experiences

Clinical experiences begin in the first semester and become more prominent with each successive semester, culminating in a full-time clinical externship in the fourth year. Approximately 40 sites in the St. Louis area and 100 more sites around the country are affiliated with the AuD program. They provide clinical experiences across the lifespan and scope of practice, including comprehensive audiologic evaluations, hearing aids, cochlear implants, aural rehabilitation, vestibular evaluation and treatment, electrophysiology and much more. In addition, our world-class medical school and hospitals provide students with unique opportunities such as attending Grand Rounds, observing cochlear implant surgery seminars and participating in optional research training programs.

Research

The integration of research into the curriculum is a distinctive feature of the program. All students receive research training through coursework and the completion of the Capstone Project in the third year. Interested students also are encouraged to pursue their individual research interests through a variety of elective, interdisciplinary research opportunities.

Accreditation and Certification

The AuD program is accredited by the Accreditation Commission for Audiology Education (ACAЕ) and the Council on Academic Accreditation in Audiology and Speech-Language Pathology of the American Speech-Language-Hearing Association (ASHA), 2200 Research Blvd. #310, Rockville, MD, 20850, (800) 498-2071 or (301) 296-5700. Graduates will meet the academic, clinical and research requirements for the Certificate of Clinical Competence (CCC) of ASHA.



The Field of Audiology

Audiology is the science of hearing and the study of auditory and vestibular processes. Audiologists work with all ages, from infants to the elderly, in clinical settings such as hospitals, schools and clinics, and in government and industry. They measure hearing ability, identify hearing and balance disorders, provide rehabilitative services and speechreading training, assist in differential diagnosis of sensory and neurological disorders, and assess the need for amplification devices.

Doctor of Audiology (AuD) Curriculum

YEAR ONE

Fall Semester

- 401 Anatomy and Physiology of Speech and Hearing
- 421 Introduction to Electroacoustics
- 434 Typical Language Development*
- 460 Observation and Practicum in Audiology
- 5601 Clinical Audiology I
- 565 Hearing Devices I

Spring Semester

- 460 Observation and Practicum in Audiology
- 505 Auditory Neuroscience
- 510 Auditory Perception
- 551 Research Seminar
- 5602 Clinical Audiology II
- 5652 Hearing Devices II

Summer Semester

- 4610 Practicum in Audiology
- 569 Hearing Disorders

YEAR TWO

Fall Semester

- 4301 Sign Language I*
- 4611 Practicum in Audiology
- 468 Pediatric Audiology
- 5001 Electrophysiologic Techniques I
- 5653 Hearing Devices III

Spring Semester

- 4612 Practicum in Audiology
- 5002 Electrophysiologic Techniques II
- 502 Pharmacology
- 507 Vestibular Assessment
- 574 Statistics and Research Methods

Summer Semester

- 4613 Practicum in Audiology
- 517 Counseling for Audiology

YEAR THREE

Fall Semester

- 4614 Practicum in Audiology
- 466 Rehabilitative Audiology
- 470 Business Practices
- 506 Genetics in Hearing Loss
- 5700 Capstone Project

Spring Semester

- 4615 Practicum in Audiology
- 511 Hearing Conservation
- 543 Survey of Speech and Language Disorders*
- 5700 Capstone Project

YEAR FOUR

Fall Semester

- 4620/Clinical Externship in Audiology
- 4630

Spring Semester

- 4621/Clinical Externship in Audiology
- 4631

Additional elective course:

- 4302 Sign Language II

**These courses may be waived if an equivalent course has been completed.*



PACS has provided numerous opportunities for me as a student outside the classroom and clinic, including participating in research, observing surgery and attending grand rounds. Our instructors are experts in their respective fields and go above and beyond for the students to help them succeed.

— **Brianne Noud**
AuD student

The Master of Science in Deaf Education (MSDE) Program

The Master of Science in Deaf Education (MSDE) program

prepares students as teachers of children who are deaf or hard of hearing. With origins dating back to 1914, the program is recognized internationally as one of the most prestigious of its kind. The program's intensive curriculum, emphasis on immersion in practice teaching, and experienced faculty attract students nationally from a wide variety of backgrounds.

Curriculum

The two-year curriculum is rooted in learning the development of speech, language and social skills in children, early intervention and audiology. With that as a foundation, students study the factors necessary for high-quality education from birth to grade 12 for children who are deaf or hard of hearing.

Students learn about and participate in the teaching process, from the first diagnosis and early intervention through family-centered counseling and educational options for the child. Students also learn about assistive listening devices, including digital hearing aids, cochlear implants, DM/FM systems and sound field systems.

A one-year curriculum option is available for select students with a degree and significant teaching experience in deaf education. All students must complete a comprehensive examination and Independent Study in the final semester.



Student Teaching Experiences

Our students build their knowledge and skills through classroom instruction and immersive, hands-on student-teaching experiences. Teaching experiences are available at approximately 12 local sites, which include both public and private schools serving more than 700 children who are deaf or hard of hearing. Teaching experiences outside of the St. Louis area are also available.

In addition, our nationally recognized medical school and hospitals provide unique opportunities, such as observing cochlear implant surgery seminars and touring a hospital neonatal intensive care unit.

Research

The integration of current research into the curriculum is a unique feature of the program. Through coursework and completion of an Independent Study, students learn how to be consumers of research and to apply the knowledge gained to their own teaching.

Accreditation and Certification

The program is accredited by the Missouri Department of Elementary and Secondary Education and the Council on Education of the Deaf (CED). All graduates of the two-year program will meet the academic, practical and research requirements for recommendation for initial certification in Missouri (Deaf/Hearing Impaired, Birth-Grade 12) and by CED.



Deaf Education: A Listening and Spoken Language Approach

Many parents of children who are deaf or hard of hearing desire that their children learn how to listen and talk. Teachers who specialize in this educational philosophy help children develop their spoken and written language skills through current teaching strategies and auditory technologies, such as cochlear implants and digital hearing aids.

Master of Science in Deaf Education (MSDE) Curriculum

YEAR ONE

Fall Semester

- 401 Anatomy and Physiology of Speech and Hearing
- 4011 Behavior Management
- 424 Speech and Hearing Sciences
- 434 Typical Language Development*
- 438 Early Literacy Development of Children Who are Deaf or Hard of Hearing
- 4515 Language Instruction for Children Who are Deaf or Hard of Hearing
- 5601 Clinical Audiology I

Spring Semester

- 444 Amplification Systems and Aural Rehabilitation for Children
- 4525 Foundations of Literacy Theory and Instruction
- 4526 Literacy Lab: A Focus on Typical and Atypical Learners
- 454 Mathematics and Content-Area Instruction for Children Who are Deaf or Hard of Hearing I
- 458 Speech for Children Who are Deaf or Hard of Hearing
- 551 Research Seminar
- 554 Fundamentals of Early Intervention and Child Development

YEAR TWO

Fall Semester

- 416 Evaluation Techniques for Children Who are Deaf or Hard of Hearing
- 4301 Sign Language I*
- 4511 Practicum in Deaf Education
- 455 Mathematics and Content-Area Instruction for Children Who are Deaf or Hard of Hearing II
- 555 Early Intervention: Serving Children Who are Deaf or Hard of Hearing Birth to Age 5
- 558 Pre-Service Teacher Preparation

Spring Semester

- 4512 Practicum in Deaf Education
- 457 Counseling Parents of Children Who are Deaf or Hard of Hearing
- 519 Psychosocial and Educational Foundations of Deafness
- 570 Independent Study

Additional elective course:

- 4302 Sign Language II

Additional courses required for teacher certification:

- Child and Adolescent Psychology*
- Education and Psychology of the Exceptional Child*

**These courses may be waived if an equivalent course has been completed.*



The professors here are actually working every day with children who are deaf, so they have the experience, knowledge and know-how, and they bring it into the classroom.

— **Christy Chadwick, MSDE '16**
teacher of the deaf or hard of hearing,
independent consultant,
Kahului, Hawaii

The Doctor of Philosophy (PhD) Program

The Doctor of Philosophy (PhD) program prepares students for academic and research careers in speech and hearing sciences. Established in 1947, the program is dedicated to fostering scientific inquiry in speech and hearing sciences and related disciplines. The program is administered through The Graduate School at Washington University in St. Louis.

Curriculum

The curriculum combines interdisciplinary academic coursework, teaching experiences and research training and culminates in a dissertation. Each student's experience can be tailored to his or her individual interests.

The PhD requires 72 hours of graduate credit. Generally, 24 hours of graduate credit may be transferred toward the PhD from another institution; graduates of our AuD and MSDE programs are provided with advanced standing and may transfer up to 48 or 36 hours respectively.

Teaching Experiences

Teaching experiences prepare students to become effective teachers and communicators of their discipline and their own research. All PhD students receive training in pedagogy and complete teaching experiences at the introductory and advanced levels under the guidance of a faculty mentor.

Research

Students immerse themselves in the world-class research environment of Washington University. As they conduct their own original work, they participate in colloquia, Grand Rounds, brown bag seminars, research seminars, journal clubs and similar opportunities. The program fosters opportunities to publish and participate in professional conferences. In the final year, students present and defend their dissertation.



Affiliated Research

PACS is affiliated with the Department of Otolaryngology, which operates one of the nation's largest hearing and deafness research programs. Topics include:

- Adult aural rehabilitation
- Biology of hearing and deafness
- Childhood deafness
- Cochlear implants
- Dizziness and balance
- Hearing aids
- Tinnitus



While the program's academic rigor is second to none, its supportive faculty truly make the student experience a great one. They are excellent advocates for their students and showed their dedication to my success early on!

— **Jenna Voss, PhD**
assistant professor and grant mentor,
Fontbonne University, St. Louis, Missouri



History of CID at Washington University School of Medicine

The consortium of graduate-education, research and clinical programs known today as CID at Washington University School of Medicine was born out of the pioneering efforts of St. Louis physician Max Goldstein, MD. In 1914, he founded the Central Institute for the Deaf (CID), where doctors and teachers worked together to help people who were deaf or hard of hearing. When CID's school building opened two years later, its auditory/oral methods for instructing children who were deaf or hard of hearing were groundbreaking.

Washington University and CID first joined forces in 1931, when CID's established teacher training program became the first deaf education undergraduate program to affiliate with a university. Graduate programs in deaf education, audiology, and speech and hearing sciences soon followed.

CID's research efforts began in the 1930s to study the anatomy and science of hearing. During World War II, CID's research on hearing loss in military personnel laid the foundation for the field of audiology. CID also pioneered hearing testing and hearing aids and opened the country's first hearing aid clinic in 1941. In September 2003, a new affiliation transferred CID's graduate degree programs, research programs and adult audiology clinic, along with its building, to Washington University School of Medicine. The CID school continues to operate on the School of Medicine campus as CID – Central Institute for the Deaf.

Today, these programs continue to work together to fulfill a shared mission to serve people who are deaf or hard of hearing.





Highlights

Child Education

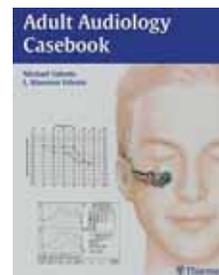
- First parent-infant program for children who are deaf or hard of hearing (1958)
- Development of materials for assessment of early speech perception and word-recognition skills in children and adults (since 1914)

Graduate Education

- First deaf education teacher training program affiliated with a university (1931)
- First deaf education master's program (1936)
- Among the first audiology training programs in the country (1947)

Research

- Development of digital hearing aid technology (early 1980s)
- Seminal findings about how the ear works, hearing loss and rehabilitation (since 1930)



- Leading textbooks in the field (since 1930s)

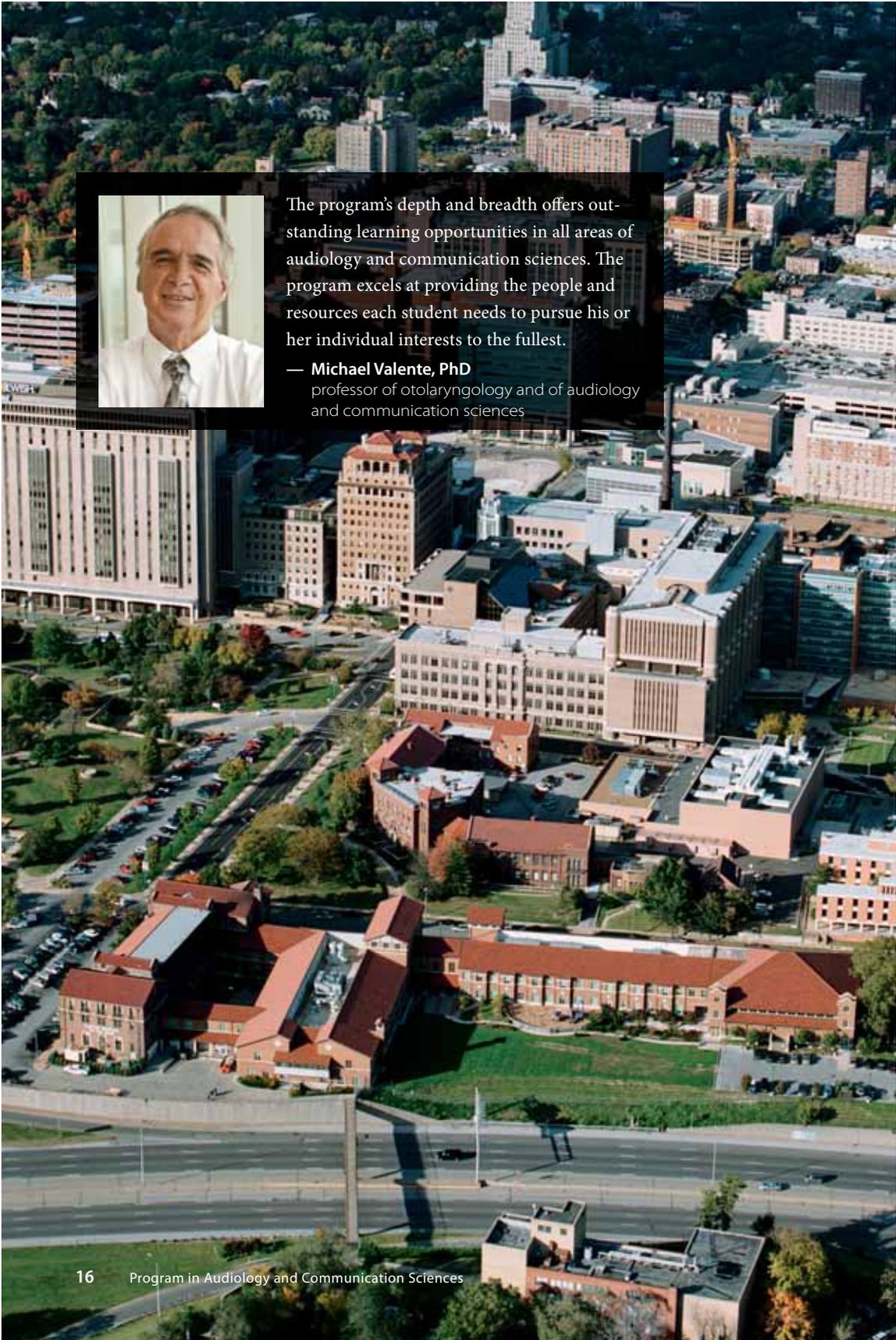
Clinical

- One of the country's first otolaryngology departments (1896)
- Nation's first hearing aid clinic (1941)
- Development of commonly used materials for speech recognition testing in adults and children (since 1952)



The program's depth and breadth offers outstanding learning opportunities in all areas of audiology and communication sciences. The program excels at providing the people and resources each student needs to pursue his or her individual interests to the fullest.

— **Michael Valente, PhD**
professor of otolaryngology and of audiology
and communication sciences



Washington University School of Medicine

The School of Medicine, founded in 1891, has a rich history of success in research, education and patient care. *U.S. News & World Report* ranks the school among the top medical schools in the United States, and our students bring impressive credentials to their studies. Each year, many Washington University physicians are listed in *The Best Doctors in America*. Fourteen faculty members are fellows of the National Academy of Sciences; 28 have been elected to membership in the National Academy of Medicine. Eighteen Nobel laureates have been associated with the School of Medicine.

The School operates one of the nation's largest academic clinical practices in partnership with nationally ranked hospitals. Our research enterprise is among the most extensive in the world. Groundbreaking multidisciplinary work in neuroscience, diabetes, diagnostic imaging, cardiovascular diseases, genetics, immunology and many other fields are among our strengths.



Washington University Medical Center

Ranked among the nation's best
by *U.S. News & World Report*

- The Alvin J. Siteman
Cancer Center
- Barnes-Jewish Hospital
- St. Louis Children's
Hospital
- Washington University
School of Medicine

St. Louis

St. Louis' affordability and friendly character make it an attractive location for graduate students. The fun and culture of a big city are here, but living is easy and affordable. The university helps by providing students a free pass to the metro-area public transportation system — MetroBus and MetroLink lightrail.

The Washington University Medical Center campus is located in the cosmopolitan Central West End neighborhood with its eclectic bookstores, coffee houses and sidewalk cafes. Housing options include affordable apartments in the Central West End and the School of Medicine's Olin Residence Hall on campus.

St. Louis has much to offer the arts lover, including plentiful music venues and museums. Sports fans enjoy St. Louis Cardinals baseball and St. Louis Blues hockey.

St. Louis' outdoor activities can be found in and around the metropolitan area; bike trails line both the Mississippi and Missouri rivers, and the Ozark mountains and river valleys are perfect for backpacking, camping, fishing and canoeing.

Visit explorestlouis.com for more information.





Forest Park

Forest Park lies across the street from the medical campus. This massive green space — 500 acres larger than New York’s Central Park — offers countless facilities for athletics, cultural activities and fun.

Athletic Facilities

- Jogging, bicycling and in-line skating paths
- Lakes for boating and fishing
- Soccer, rugby and cricket fields
- Tennis, basketball and handball courts
- Two golf courses
- Outdoor ice rink

Attractions

- Missouri History Museum
- Muny Opera
- Saint Louis Art Museum
- Saint Louis Science Center
- Saint Louis Zoo

Festivals

- Bark in the Park Festival (MAY)
- Brewers Heritage Festival (JUNE)
- Earth Day Festival (APRIL)
- The Great Forest Park Balloon Race (SEPTEMBER)
- St. Louis African Arts Festival (MAY)
- St. Louis Wine Festival (SEPTEMBER)
- Scottish Games and Cultural Festival (OCTOBER)
- Shakespeare Festival (MAY)

Faculty

Childhood Deafness • Adult Aural Rehabilitation

Brent P. Spehar, PhD
Nancy Tye Murray, PhD
Rosalie Uchanski, PhD

Clinical Audiology • Hearing Aids • Cochlear Implants

Carol E. Bergmann, AuD
Greta M. Bohnenkamp, MS
Jamie H. Cadieux, AuD
Lisa S. Davidson, PhD
Lauren E. Felton, AuD
Jill B. Firszt, PhD
Dave A. Harris, PhD
Dorina Kallogjeri, MD
Roanne K. Karzon, PhD
Christina M. Koehler, MSSH
Robert J. Mareing, AuD
Amanda Ortmann, PhD
Kimberly K. Ott, MS
Kay R. Park, AuD
Judy Peterein, AuD
Lisa G. Potts, PhD
Belinda Sinks, AuD
Steven Smith, AuD
L. Maureen Valente, PhD
Michael Valente, PhD

Deaf Education

Lauren Abel, MA
Lynda C. Berkowitz, MSSH
Amy L. Birath, AuD
Christine M. Clark, MAEd
Amanda L. Dunaway, MSDE
Elizabeth A.C. Elliott, MAT
Christine H. Gustus, MSSH
Heather Hayes, PhD
Jean S. Moog, MS
Justine L. Preston, MA
Mary A. Shortal, MA
Karen S. Stein, MAEd

Biology of Hearing and Deafness • Dizziness and Balance

Carl D. Bohl, ScD
Craig Buchman, MD
Richard A. Chole, MD, PhD
William W. Clark, PhD
Brian T. Faddis, PhD
Keiko Hirose, MD
Jeffery Lichtenhan, PhD
James D. Miller, PhD
Kevin K. Ohlemiller, PhD
Mark E. Warchol, PhD



Graduate students have the opportunity to learn from a diverse faculty who are dedicated to sharing their expertise. The learning atmosphere is open and encouraging. Students are challenged to think, their opinions are valued, and creative thinking and problem solving are highly encouraged.

— **Lynda Berkowitz, MSSH**
instructor in audiology and communication sciences, and principal, Central Institute for the Deaf

Application and Admission Information

Prerequisites

To be considered for admission, applicants must hold a bachelor's degree or higher from an accredited university. There are no specific prerequisite courses for applicants to the AuD and MSDE programs. Courses listed below are required for professional certification and/or licensure upon graduation. Unless otherwise noted, coursework in each subject must be equivalent to three semester hours or more of academic credit.

Completion of the courses listed below is recommended, but not required, prior to enrollment. Any deficits generally can be completed during graduate studies without an extension of the program.

AuD Program

- Typical language development
- Disordered speech and language development
- Sign language²

MSDE Program

- General coursework in the arts, history and government, English composition, mathematics, oral communication, science, behavioral sciences and multicultural issues¹
- Child and adolescent psychology

- Education and psychology of the exceptional child
- Typical language development
- Sign language²

PhD Program

- Competitive applicants generally hold a graduate degree in a related field and/or have relevant research experience.

¹ A degree in the liberal arts generally fulfills these requirements.

² Must be equivalent to two semester hours or more of academic credit.

Application Procedures

Individuals interested in applying must do so online. A link is available at **pacs.wustl.edu**. The following items are required and must be received by the stated application deadline:

- Completed application, including personal statement
- Application fee (non-refundable) of \$25.
- Official transcripts from all college/university coursework (international applicants must submit an official evaluation of transcripts from a credentialing agency)
- Three letters of recommendation



- Official scores from the GRE, submitted to Institution Code 6929 (Washington University) Department Code 0602 (Audiology)
- A campus visit or phone interview is strongly encouraged prior to the application deadline and can be arranged by contacting the PACS office
- Official scores from the Test of English as a Foreign Language (TOEFL) for all international applicants whose native language is not English

Application Deadlines

- All application materials for the AuD and MSDE programs must be received by February 15. Applications completed after this deadline will only be considered for placement on a wait list and/or if there is a space in the program.
- All application materials for the PhD program must be received by January 15.
- Applicants to the MSDE program may also elect to submit application materials by the early consideration deadline of December 15. A limited number of admission offers will be made following this deadline.

Tuition and Fees

Full-time tuition for students entering the AuD and MSDE programs during the 2018–19 academic year is \$39,200 per year plus a non-refundable matriculation fee of \$200. Part-time tuition is \$840 per semester hour. Tuition rates will not increase above the amount set at the time of enrollment, assuming continuous full-time enrollment. Full-time tuition also includes student health, life and disability coverage through Washington University School of Medicine. Full-time tuition will be reduced by 50 percent for AuD students during the Clinical Externship in Audiology (fourth year).

The PhD program follows the tuition and fee structure of The Graduate School. For more information, please visit **graduateschool.wustl.edu**.

Additional fees may be required for international students.

Financial Assistance

PACS is committed to enrolling talented, motivated students from diverse backgrounds. Historically, we have provided financial assistance to 100 percent of our students through a variety of support mechanisms.

Scholarships

Scholarships are the primary form of financial support for our students. Offered at the time of admission, scholarships generally provide support to students for all years of study. There is no work requirement in exchange for the scholarship during the student's enrollment. A service obligation may be required for some scholarship recipients.



- AuD student scholarships generally reduce the amount of the annual tuition by 25 percent to 50 percent.
- MSDE student scholarships generally reduce the annual tuition by 50 percent to 100 percent.
- PhD students are generally provided a minimum of 80 percent tuition remission.

Other Opportunities

Following admission, a number of other opportunities providing partial support may also be available. Announcements and information are distributed to students directly as these are available. These generally range from \$2,000 – \$5,000 each.

- A limited number of assistantships are available on a competitive basis. These positions typically provide a financial award in exchange for a work commitment to PACS, such as serving as a teaching or clerical assistant.

- Federal work-study positions may be available to qualified students. Such positions generally involve clerical work within PACS.
- Part-time, paid positions are often available. Recent positions have involved working with children in the school or a position in a research lab.
- A number of other internal scholarships and awards are also available on an annual basis following matriculation.
- For information about loans:
 - AuD and MSDE applicants may contact the Office of Student Financial Planning at (888) 840-3239, medfinancialaid@wustl.edu or finaid.med.wustl.edu.
 - PhD applicants may call (314) 935-6821.

Non-Discrimination Statement

Washington University encourages and gives full consideration to all applicants for admission, financial aid and employment. The university does not discriminate in access to, or treatment or employment in, its programs and activities on the basis of race, color, age, religion, sex, sexual orientation, gender identity or expression, national origin, veteran status, disability or genetic information. Inquiries about compliance should be addressed to the university's Vice Chancellor for Human Resources, Washington University, Campus Box 1184, One Brookings Drive, St. Louis, MO 63130. The School of Medicine is committed to recruiting, enrolling and educating a diverse student body.

Criminal Background Check and Drug Screening

Incoming students in the School of Medicine must undergo criminal background checks and drug screening before matriculation because of requirements of the Joint Commission on Accreditation of Health Organizations (JCAHO). These confidential procedures are required of all health care workers, students and volunteers who participate in patient-related health care activities at the hospitals and health care facilities with which Washington University School of Medicine is affiliated. In order to matriculate, a student who has accepted admission must consent to criminal background checks, which must be completed successfully before he or she can matriculate in the School of Medicine. Consent forms will be distributed to applicants who are offered positions in the incoming class. Similarly, at the time of orientation, all incoming pre-matriculant students must submit to screening for the following substances: THC-cannabis, cocaine, opiates, amphetamines, and PCP-phencyclidine. A confirmed positive test will preclude enrollment into the School of Medicine. All costs for U.S. background checks and drug screenings are included in the stated tuition and fees. The student will be responsible for any costs associated with international background checks required for matriculation and/or practicum placements.

**Program in Audiology and
Communication Sciences**

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CID AT WASHINGTON UNIVERSITY
SCHOOL OF MEDICINE

A program affiliated with Central Institute for the Deaf

MPA 7099 7.17