
**Mission**

The mission of the Department of Audiology is to prepare reflective audiologists for lifelong success by providing an excellent student-centered, experiential learning environment. Our students are mentored in developing professionalism, leadership, critical thinking skills, and a strong commitment to their profession and society. These efforts are assisted by the department's commitment to professional growth through clinical practice, scholarly activity, and service to the profession and the community. The program’s curriculum is developed in accordance with state and national accreditation standards and guidelines to ensure that graduates provide exemplary professional practice throughout their careers.

The goal of the program is to prepare practice-ready audiologists for careers serving patients of all ages with hearing and balance disorders as identified in the Audiology Scope of Practice in a variety of work settings: medical centers, physician’s offices, private clinics, schools, and early intervention centers.

Rupa Balachandran, Ph.D., Audiology Department Chair

**Program Offered**

**Doctor of Audiology**

**Admission Requirements**

A Bachelor’s degree in any major with a minimum 3.0 GPA in the last 60 units, acceptable GRE scores, and three letters of recommendation.

**Graduates of the Doctor of Audiology program will demonstrate:**

**Humanistic Leadership**

- Conceptualizes how to advance the community's hearing health, and integrates diverse perspectives on how to build access to hearing healthcare.

**Evidence-based Practice**

- Critically evaluate the quality of evidence from research and practice-based sources and uses these to educate about prevention, provide screening, and appropriate clinical treatment, including advanced diagnostic procedures.

**Integrative Clinical Practice**

Think critically and problem solve in the process of analyzing complex and diverse concepts, that require application of professional judgment

- Independently makes appropriate differential diagnoses that require the application of complex and diverse audiology concepts
- Collaborates with other practitioners to critically evaluate diagnoses in the course of developing and implementing treatment plans that are appropriate to the diagnosis and the client’s situation and concerns.

**Professional Communication**

- Communicates results of diagnostic assessments, and treatment options effectively, both orally and in writing, to patients and to other clinical providers.

---

**Ethical Competence**

- Articulates the bases for the ethical standards in the audiology profession, explains how ethical principles can be applied to resolving ethical challenges in practice, and consistently adheres to ethical standards in the practice of audiology.

**Interpersonal Interaction**

- Interacts effectively and respectfully with people from diverse backgrounds and cultures and works through differences with civility.

---

**Doctor of Audiology**

Students must complete a minimum of 124 units with a Pacific cumulative grade point average of 3.0 in order to earn the doctor of audiology degree.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>AUDI 301</td>
<td>Anatomy and Physiology of Hearing</td>
<td>3</td>
</tr>
<tr>
<td>AUDI 303</td>
<td>Signals and Systems</td>
<td>3</td>
</tr>
<tr>
<td>AUDI 305</td>
<td>Diagnostic Audiology I</td>
<td>3</td>
</tr>
<tr>
<td>AUDI 307</td>
<td>Diagnostic Audiology II</td>
<td>3</td>
</tr>
<tr>
<td>AUDI 309</td>
<td>Diagnostic Electrophysiology I</td>
<td>3</td>
</tr>
<tr>
<td>AUDI 311</td>
<td>Pediatric Audiology</td>
<td>3</td>
</tr>
<tr>
<td>AUDI 313</td>
<td>Central Auditory Electrophysiology - Diagnosis &amp; Management</td>
<td>3</td>
</tr>
<tr>
<td>AUDI 315</td>
<td>Amplification I</td>
<td>3</td>
</tr>
<tr>
<td>AUDI 317</td>
<td>Amplification II</td>
<td>3</td>
</tr>
<tr>
<td>AUDI 319</td>
<td>Amplification III</td>
<td>3</td>
</tr>
<tr>
<td>AUDI 321</td>
<td>Auditory Implants</td>
<td>3</td>
</tr>
<tr>
<td>AUDI 325</td>
<td>Aural Rehabilitation</td>
<td>3</td>
</tr>
<tr>
<td>AUDI 331</td>
<td>Vestibular Assessment I</td>
<td>3</td>
</tr>
<tr>
<td>AUDI 337</td>
<td>Speech-Language Pathology for Audiologists</td>
<td>3</td>
</tr>
<tr>
<td>AUDI 339</td>
<td>Deaf Culture and Communication Systems</td>
<td>3</td>
</tr>
<tr>
<td>AUDI 341</td>
<td>Psychoacoustics</td>
<td>3</td>
</tr>
<tr>
<td>AUDI 343</td>
<td>Research Methods</td>
<td>3</td>
</tr>
<tr>
<td>AUDI 345</td>
<td>Hearing Disorders</td>
<td>3</td>
</tr>
<tr>
<td>AUDI 347</td>
<td>Tinnitus Assessment and Treatment</td>
<td>3</td>
</tr>
<tr>
<td>AUDI 349</td>
<td>Industrial Audiology</td>
<td>3</td>
</tr>
<tr>
<td>AUDI 353</td>
<td>Professional Issues</td>
<td>3</td>
</tr>
<tr>
<td>AUDI 355</td>
<td>Practice Management</td>
<td>3</td>
</tr>
<tr>
<td>AUDI 357</td>
<td>Pharmacology</td>
<td>3</td>
</tr>
<tr>
<td>AUDI 359</td>
<td>Tinnitus Management</td>
<td>3</td>
</tr>
<tr>
<td>AUDI 361</td>
<td>Comprehensive Differential Diagnosis</td>
<td>3</td>
</tr>
<tr>
<td>AUDI 363</td>
<td>Diagnostic Electrophysiology II</td>
<td>3</td>
</tr>
<tr>
<td>AUDI 365</td>
<td>Advanced Topics in Research, Practice and Technology</td>
<td>3</td>
</tr>
<tr>
<td>AUDI 367</td>
<td>Vestibular Assessment II</td>
<td>3</td>
</tr>
<tr>
<td>AUDI 369</td>
<td>Physical and Behavioral Health for Audiology</td>
<td>3</td>
</tr>
<tr>
<td>AUDI 385A</td>
<td>Audiology Practicum I</td>
<td>1</td>
</tr>
<tr>
<td>AUDI 385B</td>
<td>Audiology Practicum II</td>
<td>1</td>
</tr>
<tr>
<td>AUDI 385C</td>
<td>Audiology Practicum III</td>
<td>1</td>
</tr>
<tr>
<td>AUDI 387A</td>
<td>Internship I</td>
<td>2</td>
</tr>
<tr>
<td>AUDI 387B</td>
<td>Internship II</td>
<td>2</td>
</tr>
<tr>
<td>AUDI 388A</td>
<td>Externship I</td>
<td>9</td>
</tr>
<tr>
<td>AUDI 388B</td>
<td>Externship II</td>
<td>9</td>
</tr>
<tr>
<td>AUDI 388C</td>
<td>Externship III</td>
<td>9</td>
</tr>
</tbody>
</table>
Audiology Courses

AUDI 301. Anatomy and Physiology of Hearing. 3 Units.
An in-depth course on the anatomy and physiology of the hearing mechanism primarily as it related to hearing.

AUDI 303. Signals and Systems. 3 Units.
Basics of signal processing for hearing aids and equipment that measure hearing. IEC/ANSI standards of performance for the instrumentation, calibration procedures, and compliance.

AUDI 305. Diagnostic Audiology I. 3 Units.
Foundation and orientation to audiological equipment and testing. Basic audiometric tests and underlying principles, case history and universal precautions.

AUDI 307. Diagnostic Audiology II. 3 Units.
Evaluation of middle ear function by using the principles of acoustic immittance. Principles underlying optoacoustic emissions. Implementation of tests and formulation of diagnosis based on test results.

AUDI 309. Diagnostic Electrophysiology I. 3 Units.
Diagnostic electrophysiological techniques, assessment of hearing using auditory evoked responses across all age ranges. Evidence-based best practices for determining threshold and neurophysiological integrity with the auditory brainstem response (ABR).

AUDI 311. Pediatric Audiology. 3 Units.
Diagnostic assessment of children from ages 0-18. Embryology and hearing development and genetics of hearing loss.

AUDI 313. Central Auditory Processing - Diagnosis & Management. 3 Units.
Assessment (screening and diagnostic) and treatment options for auditory processing disorders.

AUDI 315. Amplification I. 3 Units.
Theoretical and applied understanding of current technology in hearing aids. Electroacoustic analysis and programming of hearing instruments and verification of the performance of hearing instruments using objective and subjective measurements.

AUDI 317. Amplification II. 3 Units.
Theoretical and clinical aspects of advanced signal processing schemes and verification procedures are taught. Selection and fitting of amplification for special populations.

AUDI 319. Amplification III. 3 Units.
Advanced application of knowledge and skills obtained in AUDI 315 and AUDI 317. Personal and sound field FM systems, classroom listening, and assessment beyond the sound booth, classroom acoustics, assistive listening devices and counseling techniques.

AUDI 321. Auditory Implants. 3 Units.
This course covers a variety of auditory prosthetic devices with emphasis on cochlear implant technology. History, pediatric and adult candidacy, signal processing strategies and fitting protocols will be explored in detail.

AUDI 323. Pediatric Aural Rehabilitation. 3 Units.
This course is an overview of current management options for the (re)habilitation of children with hearing loss.

AUDI 325. Aural Rehabilitation. 3 Units.

AUDI 327. Auditory Verbal Therapy. 3 Units.
Key principles and components of a successful auditory-verbal program along with procedural outlines to formulate a strategy to implement goals, including audiological monitoring, parent training and therapy components.

AUDI 331. Vestibular Assessment I. 3 Units.
Anatomy and physiology of the vestibular mechanism, diagnostic tests, case history, bedside evaluations, and ENG/VNG test battery.

AUDI 333. Vestibular Treatment. 3 Units.
Didactic and hands on approach to management and treatment of vestibular disorders. Causes and pathophysiology of vestibular loss, treatment programs. Interdisciplinary approach to the patient management.

AUDI 335. Speech and Language Development. 3 Units.
Overview of the normal processes underlying speech and language development across the lifespan.

AUDI 337. Speech-Language Pathology for Audiologists. 3 Units.
Overview of the speech and language disorders, screening and identification of children at risk for speech and language disorders. Basic phonetics and transcription, basic speech and language screening protocols.

AUDI 338A. Externship I. 3 Units.
Clinical Experience in an off-campus placement to develop advanced audiology skills and provide patient care. Minimum of 500 hours of clinical experience required.

AUDI 339. Deaf Culture and Communication Systems. 3 Units.
Introduction to Deaf Culture and American Sign Language (ASL), with emphasis on signs most useful to audiologists working clinically.

AUDI 341. Psychoacoustics. 3 Units.
Physical and psychological attributes related to sound in normal hearing and impaired ears. Classical psychophysical methods discussed, with an emphasis on their application to audiological testing.

AUDI 343. Research Methods. 3 Units.
Introduction to research methods used in audiology. Statistical analyses in descriptive and experimental research.

AUDI 345. Hearing Disorders. 3 Units.
Etiology, pathophysiology, diagnosis and treatment of diseases of the outer, middle, inner ear and the central auditory system. Syndromic and non-syndromic genetic disorders along with their impact on the development and function of the auditory system.

AUDI 347. Tinnitus Assessment and Treatment. 3 Units.
Causes and pathophysiology of tinnitus. The various therapies, pharmacological agents, and management of tinnitus.

AUDI 349. Industrial Audiology. 3 Units.
Introduction to the basic principles of sound and its measurement, including Damage Risk Criteria and its application to noise-induced hearing loss will be addressed, as well as components of hearing conservation programs in a variety of settings and evaluation of their effectiveness in the prevention of hearing.

AUDI 353. Professional Issues. 3 Units.
Current issues in the profession of audiology including audiology scope of practice, audiology employment opportunities, state licensure requirements to practice audiology, and professional certification options for audiologists.
AUDI 355. Practice Management. 3 Units.
Operational and business management of a clinical practice setting. Developing an appropriate business plan; startup and long term planning; essential legal considerations.

AUDI 357. Pharmacology. 3 Units.
Basic concepts and terminology of pharmacology will be explored, including pharmacokinetics, pharmacodynamics and otoxic drugs. Medications that may contribute to or treat audiologic and vestibular diagnoses will be discussed. Legislation and regulatory issues related to drug clinical trials and the Food and Drug Administration (FDA) will be reviewed.

AUDI 359. Tinnitus Management. 3 Units.
Management of the tinnitus patient with various therapies including pharmaceuticals, cognitive behavior therapy, and hearing devices.

AUDI 361. Comprehensive Differential Diagnosis. 3 Units.
Comprehensive review of use of auditory and vestibular test batteries in different diagnosis and management of patients.

AUDI 363. Diagnostic Electrophysiology II. 3 Units.
Advance assessments of hearing using auditory evoked responses across all age ranges. Evidence based review of the measurement and interpretation of the neurophysiological and electrophysiological methods of auditory function assessment in adults and children. Prerequisite: AUDI 309.

AUDI 365. Advanced Topics in Research, Practice and Technology. 3 Units.
Advance topics of current trends in the field of audiology. Seminars in contemporary research topics, developments in evidence-based practice, and advancement in technology in the industry.

AUDI 367. Vestibular Assessment II. 3 Units.
Anatomy and physiology of the vestibular mechanism, case history, bedside evaluations, advanced diagnostic tests, introduction to vestibular rehabilitation, and advanced topics in vestibular research. Prerequisite: AUDI 331.

AUDI 369. Physical and Behavioral Health for Audiology. 3 Units.
Referral and management of common health conditions including physical and behavioral health. Implications for hearing loss and clinical management.

AUDI 385A. Audiology Practicum I. 1 Unit.
Guided observations of a variety of audiological activities and preliminary structured participation as aide in diagnostic evaluations under the guidance of clinical supervisors. Students will accrue a minimum of 40 patient observations and/or contact hours.

AUDI 385B. Audiology Practicum II. 1 Unit.
Guided clinical experience of a variety of audiological activities in diagnostic evaluations and hearing aid fittings under the guidance of clinical supervisors. Students will accrue a minimum of 40 patient contact hours.

AUDI 385C. Audiology Practicum III. 1 Unit.
Guided clinical experience of a variety of audiological activities in diagnostic evaluations and hearing aid fittings under the guidance of clinical supervisors. Students will accrue a minimum of 40 patient contact hours.

AUDI 387A. Internship I. 2 Units.
Clinical Experience in an off-campus placement to develop beginning audiology skills and provide patient care. Minimum of 200 hours of clinical experience required.

AUDI 387B. Internship II. 2 Units.
Clinical Experience in an off-campus placement to develop intermediate audiology skills and provide patient care. Minimum of 200 hours of clinical experience required.

AUDI 388A. Externship I. 9 Units.
Clinical Experience in an off-campus placement to develop advanced audiology skills and provide patient care. Minimum of 500 hours of clinical experience required.

AUDI 388B. Externship II. 9 Units.
Clinical Experience in an off-campus placement to develop advanced audiology skills and provide patient care. Minimum of 500 hours of clinical experience required.

AUDI 388C. Externship III. 9 Units.
Clinical Experience in an off-campus placement to develop advanced audiology skills and provide patient care. Minimum of 500 hours of clinical experience required.

AUDI 389A. Externship Seminar I. 1 Unit.
Utilizing an evidence-based approach, case presentations are made by students in a grand rounds format (presenting a particular patient's medical problems, diagnostic testing results and treatment effects) to other audiology students and faculty incorporating various clinical practices and evaluation and treatment protocols.

AUDI 389B. Externship Seminar II. 1 Unit.
Utilizing an evidence-based approach, case presentations are made by students in a grand rounds format (presenting a particular patient's medical problems, diagnostic testing results and treatment effects) to other audiology students and faculty incorporating various clinical practices and evaluation and treatment protocols.

AUDI 389C. Externship Seminar III. 1 Unit.
Utilizing an evidence-based approach, case presentations are made by students in a grand rounds format (presenting a particular patient's medical problems, diagnostic testing results and treatment effects) to other audiology students and faculty incorporating various clinical practices and evaluation and treatment protocols.

AUDI 391. Graduate Independent Study. 1-4 Units.
AUDI 397. Graduate Research. 1-6 Units.