

## Nova Southeastern University **NSUWorks**

Health Professions Divisions Course Catalogs

NSU Course Catalogs and Course Descriptions

2004

## Adiology 2004

Nova Southeastern University

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HEALTH PROFESSIONS DIVISION 2004



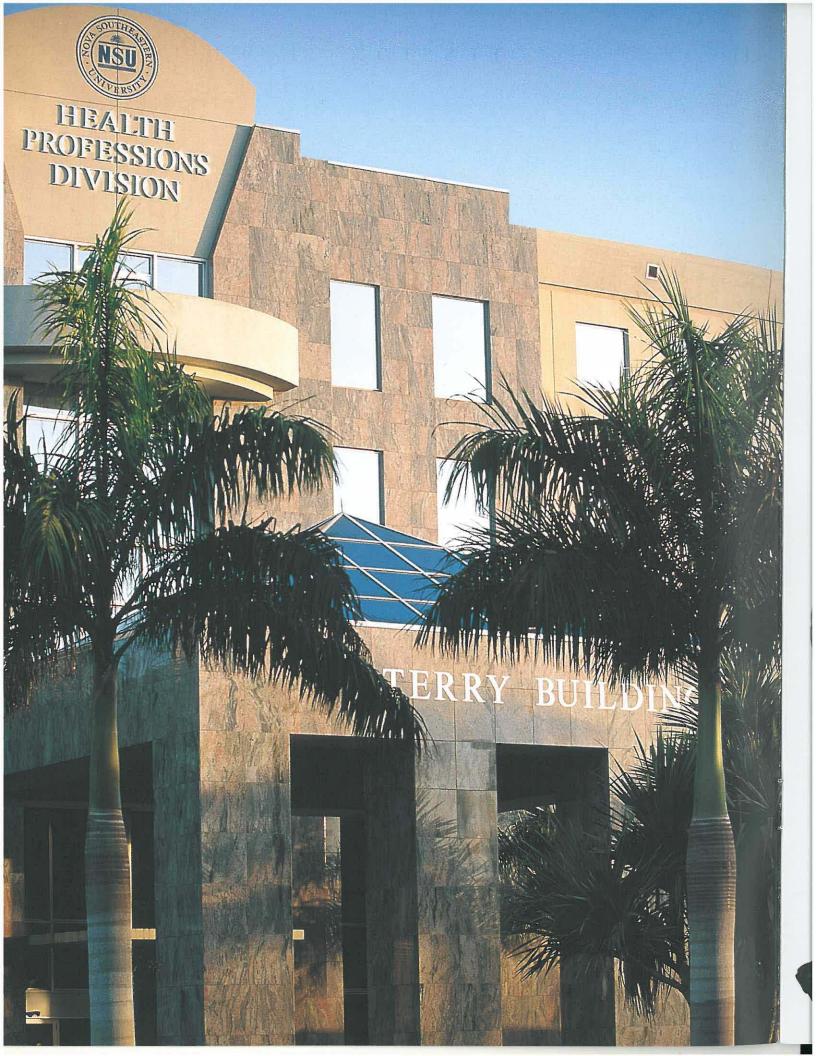




# audiology

college of allied health and nursing





## nova southeastern university

Nova Southeastern University, synonymous with dynamic innovation and intellectual challenge, is the largest independent not-for-profit university in the southeast, and with an enrollment of approximately 21,000, is the 12th largest in the United States. Situated on a beautiful 300-acre campus in Fort Lauderdale, Florida, the university is experiencing a sustained period of academic growth, fiscal strength, and commitment to the challenges of the 21st century.

In this environment of expansion and stability, the university is capitalizing on its strengths in such areas as academic innovation, comprehensive clinical training, and flexible educational delivery systems.

Founded in 1964 as Nova University, the institution merged with Southeastern University of the Health Sciences in 1994, creating Nova Southeastern University. To date, the institution has graduated more than 74,000 alumni. Fully accredited by the Commission on Colleges of the Southern Association of Colleges and Schools, the university awards associate's, bachelor's, master's, educational specialist, and doctoral degrees in a wide range of fields

including the health professions, law, business, marine sciences, psychology, social sciences, computer and

information sciences, and education.

The university's programs are administered through 15 academic centers that offer courses at the main campus and at field-based locations throughout Florida; across the nation; and at selected international sites in Europe, Canada, the Pacific Rim, Central and South America, and the Caribbean.

With a budget of more than \$220 million a year and an upward trend in enrollment, the university will continue to maintain a solid record of academic and fiscal strength and excellence in teaching and community service, while expanding its mission in research and scholarship.

## nsu mission statement

Nova Southeastern University is a dynamic, not-for-profit independent institution dedicated to providing high-quality educational programs distinction from preschool through the professional and doctoral levels, as well as service to the community. **Nova Southeastern University** prepares students for lifelong learning and leadership roles in business and the professions. It offers academic programs at times convenient to students, employing innovative delivery systems and rich learning resources on campus and at distant sites. The university fosters inquiry, research, and creative professional activity uniting faculty and students acquiring and applying knowledge in clinical, community, and professional settings.

## health professions division

As a student in the Health Professions Division of Nova Southeastern University, you can anticipate a remarkable experience. You will train, study, interact, and share faculty and resources (either campus-based or online) with students from various backgrounds and disciplines. This interdisciplinary

approach distinguishes the Health Professions Division as unique and will better prepare you to master your discipline with a sensitivity and understanding of the entire health care system.

The Health Professions Division, with a student body of more than 2,500, is home to six colleges. The College of Osteopathic Medicine, the first one in the southeastern United States, grants the doctor of osteopathic medicine (D.O.) degree. The College of Osteopathic Medicine also

awards the master of public health degree (M.P.H.). The College of Pharmacy offers the doctor of pharmacy (Pharm.D.) degree to traditional, international, and postbaccalaureate students. The College of Optometry is the only institution in the state of Florida that awards the doctor of optometry (O.D.) degree as well as the master in clinical vision research (M.S.). The College of Allied Health and Nursing offers a bachelor of science in nursing, a dual-degree physician assistant program that awards the bachelor of science/master of medical science (B.S./M.M.S.) degrees, and a master of occupational therapy degree (M.O.T.), as well as the entry-level doctor of physical therapy (D.P.T.) degree. Doctoral programs are also offered in occupational therapy

(Ph.D./O.T., O.T.D.), physical therapy (Ph.D./P.T., D.P.T.), and audiology (Au.D.). In addition to these programs, the College of Allied Health and Nursing offers the master of medical science (M.M.S.), the bachelor of health science (B.H.Sc.), and doctor of health science (D.H.Sc.) degrees open to midlevel



clinicians and allied health professionals. The College of Medical Sciences grants the master of biomedical sciences (M.B.S.) degree. In the fall of 1997, the College of Dental Medicine admitted its charter class into the doctor of dental medicine (D.M.D.) program.

The Health Professions Division occupies a \$70 million complex, covering 21 acres of the university campus. The division includes eight buildings totaling more than 900,000 square feet of space for classrooms, laboratories, offices, the Health Professions Division Library, an outpatient health center, and a pharmaceutical care center. The adjacent 1,500-vehicle parking garage overlooks the Miami Dolphins Training Camp.

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## letter from the chancellor

If you wish to be a leader in the health professions, Nova Southeastern University can help you reach your potential.

The Health Professions Division is unique in that it has been developed as an interdisciplinary educational center from its inception. The division was founded on the concept that the interdisci-

plinary approach to education is beneficial to students of all professions, and by preparing students to work effectively with health care providers from different fields, barriers are broken and patient care is enhanced.

In less than two decades, NSU's Health Professions Division has developed into a multidisciplinary academic health center of international stature. Composed of the Colleges of Osteopathic Medicine, Pharmacy, Dental Medicine, Optometry, Allied Health and Nursing, and Medical Sciences, the Health Professions Division has redoubled its commitment to academic excellence, innovation, and community service, while expanding its mission in research and scholarship. Working together, our distinguished faculty members prepare students for an exciting career on tomorrow's dynamic health care team.

Morton Terry, D.O., M.Sc., FACOI



# program overview and course of study

## **Program Overview**

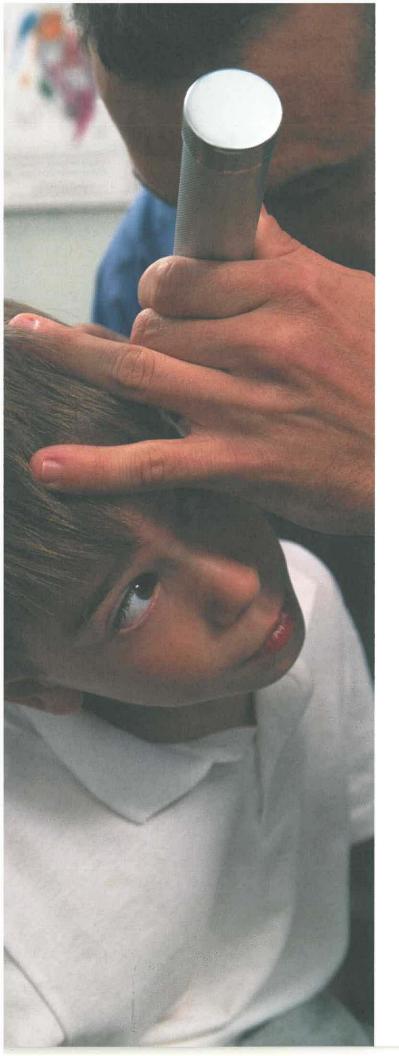
The doctorate in audiology (Au.D.) establishes audiologists in a clearly defined and prominent role within the hearing health care delivery system and strengthens their position as autonomous practitioners. The degree provides the academic foundation and diverse clinical experiences necessary to enter professional practice today and in the future. Audiologists specialize in the evaluation, diagnosis, management, and treatment of people of all ages with auditory and vestibular disorders. At Nova Southeastern University, the audiology department benefits from the integrated multidisciplinary health care programs of the university's Health Professions Division. Doctor of audiology students experience clinically focused professional doctoral programs where students complete a rigorous academic curriculum coupled with extensive clinical experiences.

## Course of Study

The doctor of audiology degree is awarded after successful completion of four years of professional study. Beginning in the first semester, students are given clinical assignments and experiences. There will be increased clinical involvement throughout the program as students prepare for direct patient care at our clinics and at locations throughout the community. The fourth year is designed to be a full-time externship work experience that prepares the graduate to enter the profession at graduation. Successful completion of the Doctor of Audiology Program, coupled with a passing score on the National Praxis Examination for audiology, will enable graduates to be licensed and eligible for professional certification.

nsu college of allied health audiology department mission statement

The NSU Audiology Department is dedicated to the education of future audiologists. Within the scientifically based curriculum, the faculty incorporates models of best practice and fosters critical thinking skills by nurturing the development of future leaders. Our philosophy is to maintain a high-quality program to respond to changing trends and issues impacting our profession.



## letter from the dean

The health care marketplace is undergoing rapid change. The pace of this change has provided a formidable challenge for institutions that provide the educational programs for future

health care professionals.



Nova Southeastern University's College of Allied Health and Nursing is committed to providing the highest quality of education to students in a variety of health care disciplines, including occupational therapy, physical therapy, and physician assistant studies, as well as audiology

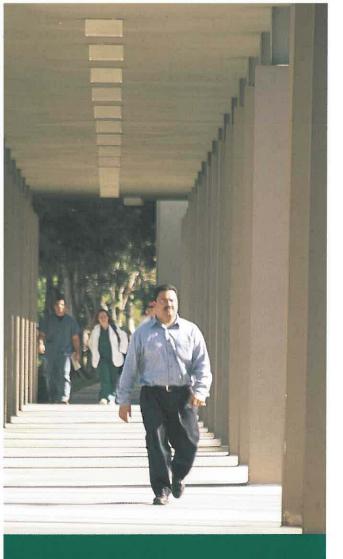
and the newly added nursing program. In addition, the college is committed to a life-long learning philosophy through the Master of Medical Science Program, the Ph.D. in physical therapy, and the O.T.D. and Ph.D. in occupational therapy, as well as the recent additions of the bachelor of health science (B.H.Sc.), doctor of health science (D.H.Sc.), and transition doctor of physical therapy (T.-D.P.T.). These new degrees for practicing health care professionals are delivered through the use of innovative distance technology.

Professional associations in audiology agree that over the next few years, audiologists will need to hold a doctorate in order to practice. The NSU Department of Audiology has developed two competitive doctoral (Au.D.) programs. Whether you are a student coming directly from an undergraduate degree program or an accomplished professional with a master's degree, you will find our flexible and high-quality programs an obvious choice to enhance your experience and qualify you for competitive positions in audiology.

The College of Allied Health and Nursing is committed to providing health care educational opportunities in formats that meet the needs of prospective students in the community and adequately prepare graduates to assume greater leadership roles in health care delivery systems.

Gechardelaus

Richard E. Davis, PA-C, Ed.D. Dean, College of Allied Health and Nursing



Students are provisionally admitted to a degree-seeking program based on a review of unofficial transcripts or other specific program admission requirements. However, this admission includes a condition that final and official transcripts, documents, and requirements must be received within 90 calendar days from matriculation. If these final and official transcripts, documents, and/or requirements are not received by that time, the student will not be allowed to continue class attendance. Financial aid will not be disbursed to a provisional/conditional student until he or she has been fully admitted as a regular student (all admissions requirements have been approved by the college/program admissions office). Students who have an unpaid balance 30 days from the start of the term will be assessed a \$50 fee.

## chair's message

The U.S. Department of Labor classifies the audiology profession as among the fastest growing professions in the United States with a growth rate expected to exceed 36 percent by 2010. The recent *Jobs Almanac* ranked audiology in the top five percent of all occupations and first among independent health care professions.

Our program at NSU is designed to prepare graduates to enter the profession of audiology ready to practice. We offer diverse clinical experiences and coursework that prepares graduates for today and tomorrow. In addition to our traditional audiology curriculum, we are among the few Au.D. programs offering coursework in genetics and hearing loss, pharmacology, business/practice management and leadership, and gerontology. A federal grant reviewer commented that the NSU Au.D. program has "a most impressive collection of distinguished faculty, experts, and researchers...creating a diversity of expertise that may have never been assembled before within a single institution."

We also have an active NAFDA student chapter. In recent years, our doctoral students joined faculty members for a week in Nicaragua evaluating children and fitting more than 1,100 hearing aids on 600 children. Students also took a trip to Washington, D.C., for a day on Capitol Hill with the Deafness Research Foundation.

Personally, as a past-president of the American Academy of Audiology and a member of the first task-force in the profession on designing and developing model doctor of audiology programs, I am proud of what we have built and are offering at Nova Southeastern University.

Barry A. Freeman, Ph.D. Chair

# postbachelor's doctor of audiology program

Prospective doctor of audiology students are selected by an admissions committee. Selection is based on preprofessional academic performance, written application, letters of recommendation, and a personal interview.

The Audiology Department requires applicants to have completed a bachelor's degree from a regionally accredited college or university. Preference will be given to students with a cumulative grade point average (GPA) of 3.2 or higher.

# postmaster's doctor of audiology program

The NSU Audiology Department invites licensed practitioners who have completed their master's degree in audiology to join a cohort and earn their doctor of audiology degree. The Postmaster's Doctor of Audiology (Au.D.) Program is a clinically focused professional degree. As a campus-based and distance-degree program, with students from across the world including cohorts of audiological scientists in the United Kingdom, it is designed for the working professional. The content is designed to augment and expand the academic and professional experience that the working professional has achieved.

Prior to matriculation, applicants must have completed a master's degree in audiology from a regionally accredited college or university. Applicants are selected by an admissions committee. Selection is based on academic performance, written application, letters of recommendation, and a personal interview.

The audiology program has received new program candidacy status from the Council on Academic Accreditation (CAA) of the American Speech-Language-Hearing Association (ASHA). Graduates will have completed the academic and clinical requirements necessary to be eligible to apply for a license as an audiologist in every state in the country, pursue board certification in audiology from the American Board of Audiology, and seek the Certificate of Clinical Competence from the ASHA.

Nova Southeastern University is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools (1866 Southern Lane, Decatur, Georgia 30033-4097, Telephone number: 404-679-4501) to award associate's, bachelor's, master's, educational specialist, and doctoral degrees. 
Nova Southeastern University admits students of any race, color, sex, age, nondisqualifying disability, religion or creed, or national or ethnic origin to all the rights, privileges, programs, and activities generally accorded or made available to students at the school, and does not discriminate in administration of its educational policies, admissions policies, scholarship and loan programs. and athletic and other schooladministered programs.

# curriculum outline

first year—fall semester	third year—fall semester
SEMESTER	SEMESTER 4
COURSE # COURSE TITLE HOURS AUD 6302 Acoustics and Instrumentation2	COURSE # COURSE TITLE HOURS AUD 6607 Internship I
AUD 6304 Anatomy and Physiology of	AUD 7050 Research Methods II: Applications3
Auditory and Vestibular Mechanisms 3	AUD 7075 Counseling in Audiology
AUD 6401 Diagnostics I: Audiological Diagnosis Across the Lifespan4	3
AUD 6601 Multisite Observation	winter semester
	AUD 6310 Auditory Intervention3
winter semester	AUD 6310L Auditory Intervention Lab1
AUD 6070 Research Methods I: Introduction 3	AUD 6608 Internship II2
AUD 6402 Diagnostics II: Site of Lesion3	AUD 7060 Genetics for Audiologists2
AUD 6405 Overview of Amplification I3	AUD 7070 Pharmacology for Audiologists2
AUD 6405L Amplification Lab I	
AUD 6602 Clinic I1	spring semester
	AUD 6501 Topics in Audiology3
spring semester	AUD 6501L Topics in Audiology Lab1
AUD 6303 Psychoacoustics and Speech Perception 3	AUD 6502 Hearing Conservation
AUD 6403 Introduction to Electrophysiology3	AUD 6609 Internship III
AUD 6403L Electrophysiology Lab	
AUD 6404 Auditory and Vestibular Pathologies3	fourth year—fall semester
AUD 6603 Clinic II1	AUD 6075 Seminar in Ethics and Professionalism1
	AUD 6610 Externship I
second year—fall semester	
AUD 6406 Overview of Amplification II3	winter semester
AUD 6406L Amplification Lab II	AUD 6611 Externship II1
AUD 6604 Clinic III	
AUD 7030 Geriatric Audiology2	spring semester
AUD 7160 Electrophysiology: Vestibular3	AUD 6612 Externship III1
winter semester	Total Semester Hours
AUD 6605 Clinic IV	
AUD 7100 Advanced Seminar in Amplification 3	curriculum outline: postmaster's degree
AUD 7130 Pediatric Audiology3	POSTMASTER'S DEGREE PROGRAM COURSE SELECTIONS INCLUDE
spring semester	COURSE # COURSE TITLE
AUD 6606 Clinic V	AUD 6075 Seminar in Ethics and Professionalism     AUD 6504 To a series of the se
AUD 7080 Business Management and Leadership3	• AUD 6501 Topics in Audiology
AUD 7120 Electrophysiology: Auditory4	• AUD 6501L Topics in Audiology Lab
AUD 7180 Diagnostics III: Integration of	AUD 7030 Geriatric Audiology     AUD 7050 Research Market 1
Audiologic Test Results3	AUD 7050 Research Methods

## 

COURSE TITLE

# computer requirements

All students are required to have a computer with the following recommended minimum specifications:

- Pentium; 400MHz minimum processor
- 64 MB RAM

COURSE #

- Video capable of 800 x 600 screen display or better
- CD-ROM capability
- Full duplex sound card and speakers
- 56.6 baud modem.
- Internet connection with private Internet service provider (ISP) for access from home to the Internet
- Windows 95/98/2000/ME/XP or NT
- Microsoft Office 97 with PowerPoint, Word, and Excel minimum
- Surge suppresser electrical outlet
- Suggested option: Zip Drive
- Suggested option for doctoral programs: laptop computer with wireless Internet capability for use during on-campus coursework

## application procedures

Applicants for admission must submit or be responsible for the submission of

- **1.** a completed application form along with a \$50 nonrefundable application fee
- 2. three letters of recommendation from instructors, supervisors, and/or coworkers
- **3.** official transcripts sent directly from all previously attended undergraduate, professional, and graduate institutions
- **4.** copies of all professional certifications, registrations, licenses, or relevant credentialing materials

All admissions materials must be sent to

## NOVA SOUTHEASTERN UNIVERSITY

Enrollment Processing Services (EPS) College of Allied Health and Nursing Audiology Program Admissions 3301 College Avenue P.O. Box 299000 Fort Lauderdale, Florida 33329-9905

The audiology committee on admissions will review applications after required fees, credentials, transcripts, and recommendations have been received by the Audiology Office of Admissions.

Applications can be accessed and downloaded at www.nova.edulaud.

## personal interview

Completed applications are reviewed by the admissions committee and invitations are extended for a personal interview to those applicants meeting the initial admission criteria. Interviews are held on campus and provide the student an opportunity to meet faculty members and students and to visit the campus.

Notice of acceptance or action by the committee on admissions will be on a rolling or periodic schedule; therefore early completion of the application is in the best interest of the student.

Inquiries should be directed to

Nova Southeastern University Audiology Admissions Counselor 3200 South University Drive Fort Lauderdale, Florida 33328 Phone: (954) 262-1114 or 800-356-0026, ext. 1114

# application procedures

## For Applicants Holding Foreign Degrees

Applicants must submit

- **1.** a completed application form along with a \$50 nonrefundable application fee
- 2. three letters of recommendation from instructors, supervisors, and/or coworkers
- 3. all coursework from international institution(s), if applicant attended or is a graduate of any international institution(s)

Applicant is responsible for contacting one of the evaluation services listed here. The official evaluation must be sent directly from the evaluation service to the EPS.

Josef Silny & Associates
P.O. Box 248233
Coral Gables, Florida 33124
(305) 273-1616
(305) 273-1338 (fax)
info@jsilny.com
www.jsilny.com

Educational Credential Evaluators P.O. Box 514070 Milwaukee, Wisconsin 53203-3470 (414) 289-3400 www.ece.org

World Education Services
P.O. Box 745
Old Chelsea Station
New York, New York 10113-9745
(212) 966-6311
www.wes.org

- 4. scores from the Test of English as a Foreign Language (TOEFL)\*
- 5. results for the Test of Spoken English (TSE)\*\*

Applicants must also obtain an I-20 and be a full-time degree-seeking student.\*\*\*

The audiology committee on admissions will not consider an application until all required fees, credentials, transcripts, recommendations, and test scores have been received. All application materials must be sent to the NSU Enrollment Processing Services.

## NOVA SOUTHEASTERN UNIVERSITY

Enrollment Processing Services (EPS)
College of Allied Health and Nursing
Audiology Program Admissions
3301 College Avenue
P.O. Box 299000
Fort Lauderdale, Florida 33329-9905

Applications can be accessed and downloaded at www.nova.edulaud.

<sup>\*</sup> may be required of students for whom English is a second language

<sup>\*\*</sup> recommendations may be made for remediation or tutorial intervention including, but not limited to, accent modification and tutoring in the appropriate use of oral and written English.

<sup>\*\*\*</sup> For additional information, contact the international student adviser, NSU, 3301 College Avenue, Fort Lauderdale, Florida 33314-7796, or telephone (954) 262-7240. Students are responsible for all housing and financial arrangements in advance of registration.

## united kingdom program

The audiology department offers the Doctor of Audiology Program for audiological scientists and other qualified audiology practitioners. Faculty from the United Kingdom and United States are partnering to offer the most diverse and advanced professional degree program in the world. Courses are offered in London every other month in an extended weekend format for two years (39 credits). Applicants must complete an application and adhere to admissions policies. Contact the audiology admissions department for tuition information.



## tuition and fees

- 1. Payment of tuition and fees is expected at the time of registration. Students receiving financial aid are responsible for making sure that they have completed all applications for financial aid and that it has been granted.
- **2.** The tuition for the on-campus postbachelor's program for 2004–2005 (subject to change by the board of trustees without notice) is \$16,275. A student activities fee of \$125 annually is required of all students.
- **3.** Please contact the admissions department for tuition information on the United Kingdom and postmaster's programs.
- **4.** Upon acceptance, students planning to enroll are required to complete an intent to enroll form with a nonrefundable deposit of \$500. This advance payment will be deducted from the tuition payment due at registration.
- **5.** University Technology Fee is not to exceed \$100 when implemented

The financial ability of applicants to complete their training is important because of the limited number of positions available. Applicants should have specific plans for financing four years of professional education. This should include provision for tuition, living expenses, books, and related expenses.

## transfer students

Individuals seeking to transfer to the NSU Doctor of Audiology Program must submit an application and follow the application and admissions process. The audiology department will consider the transfer of credits from another academic institution. Eligibility for course transfer requires a grade of B or better and must be accompanied by an official course description. Credits must be earned within six years prior to program admission.

## terry administration building

#### FIRST FLOOR

- Student Affairs
- Admissions
- Financial Aid
- HPD Cafeteria

#### SECOND FLOOR

- College of Allied Health and Nursing
- Audiology Department
- · Health Sciences Department
- Occupational Therapy Department
   Physical Therapy Department
- Physician Assistant Department

- College of Medical Sciences
- College of Pharmacy

#### FOURTH FLOOR

- College of Osteopathic Medicine
- College of Optometry

### FIFTH FLOOR

- HPD Administration
- Public Health Program
- Nursing Department
- Area Health Education Center

### assembly building

- Finkelstein Auditorium (125 seats)
- Jonas Auditorium (125 seats)
- Melnick Auditorium (125 seats)
- Resnick Auditorium (125 seats)
- Terry Auditorium (125 seat)
- Auditoria A, B, and C (125 seats each)
- Robert A. Steele Auditorium (500 seats)
- Hull Auditorium (250 seats)
- Seminar Rooms

## library/laboratory building

## FIRST FLOOR

- Drug Information Center
- "Harvey" Cardiac Patient Simulation Room
- HPD Library
- Student Computer Laboratory
- Patient Simulation Center

#### SECOND FLOOR

- Occupational Therapy Laboratories
- Optometry Laboratories
- Physical Therapy Laboratory
- Student Lounge
- FOMA Osteopathic Manipulative Medicine Laboratory

#### THIRD FLOOR

- Basic Science Laboratories
- Gross Anatomy Laboratories
- Microscopy Laboratory
- Research Laboratories
- Moran Pharmacy Practice Laboratory
- Pharmacokinetics Laboratory
- Pharmaceutics Laboratory

## pharmacy and pharmaceutical care center

## sanford I. ziff health care center

#### FIRST FLOOR

- Family Medicine
- Occupational Therapy
- Pediatrics
- Dermatology
- Physical Therapy
- Radiology

### SECOND FLOOR

- Optometry Clinics
- Optometry Dispensary

### THIRD FLOOR

- Business Offices
- Specialty Clinics
- Cardiology
- Internal Medicine
- Osteopathic Manipulative Medicine
- Pulmonary Medicine
- Emergency Medicine Training Center



## dental medicine building

#### FIRST FLOOR

- Oral Medicine and Radiology Clinic
- Oral Surgery Clinic
- Student Dental Clinic
- Clinic Support Laboratory
- Predoctoral and Postgraduate
- Oral Surgery

#### SECOND FLOOR

- Faculty Practice
- Simulation Lab
- Postgraduate Endodontics
- Postgraduate Orthodontics
- Postgraduate Pediatric Dentistry Postgraduate Periodontics
- Postgraduate Prosthodontics

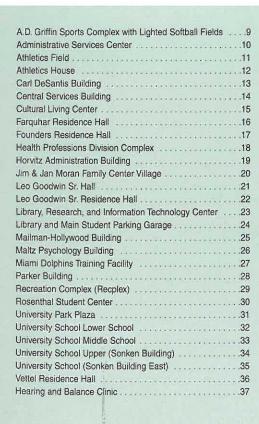
### THIRD FLOOR

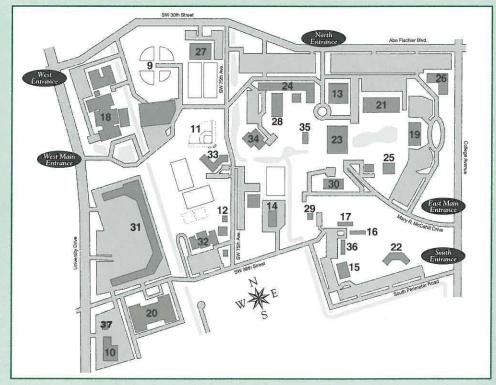
- Research Laboratories
- Seminar Rooms
- Central Sterilization Area
- Dispensing
- Faculty Offices
- Student Dental Supply Depot

## parking garage

## hpd assembly building

- Auditorium
- Computer Science Laboratory
- Seminar Rooms
- Physical Assessment Laboratory
- Compliance Office









NOVA SOUTHEASTERN UNIVERSITY
Health Professions Division
3200 South University Drive
Fort Lauderdale, Florida 33328-2018

Office of Admissions
(954) 262-1101 • 800-356-0026, ext. 1101

www.nova.edu • www.nova.edu/aud