

2016

Doctor of Pharmacy-Philosophy of Pharmacy 2016

Nova Southeastern University

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NSU

College of Pharmacy

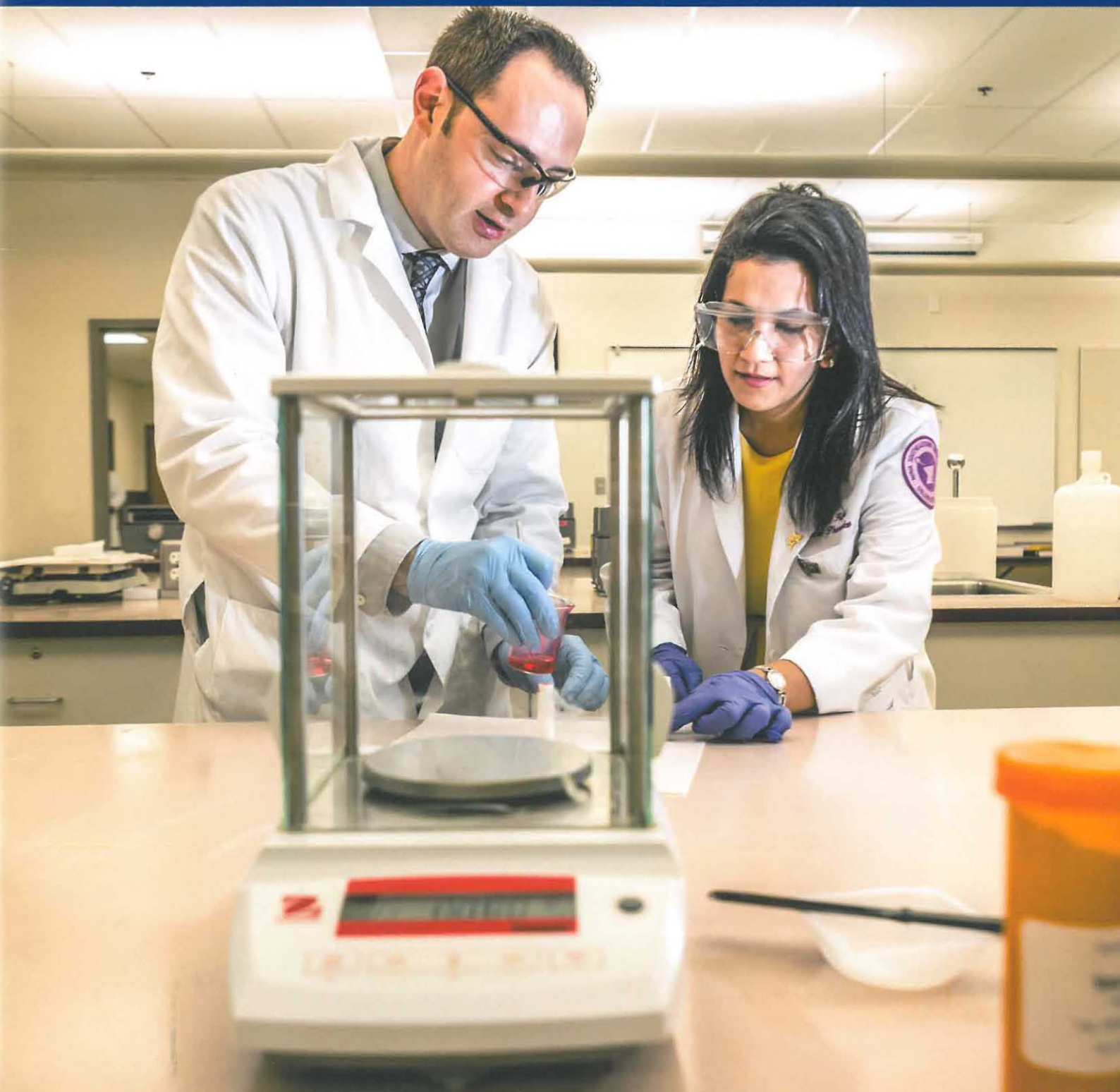
Doctor of Pharmacy (Pharm.D.)

Doctor of Philosophy in
Pharmaceutical Sciences (Ph.D.)

Nova Southeastern University

Health Professions Division

Entering Class 2016



NSU MISSION STATEMENT

The mission of Nova Southeastern University, a private, not-for-profit institution, is to offer a diverse array of innovative academic programs that complement on-campus educational opportunities and resources with accessible, distance-learning programs to foster academic excellence, intellectual inquiry, leadership, research, and commitment to community through engagement of students and faculty members in a dynamic, lifelong learning environment.



NOVA SOUTHEASTERN UNIVERSITY—synonymous with dynamic innovation and intellectual challenge—is the **second largest**, private, nonprofit university in the Southeast and **1 of only 37 universities** (out of more than 4,000) that have earned designations for both High Research Activity and Community Engagement from the Carnegie Foundation for the Advancement of Teaching. Situated on a beautiful, 314-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 **more than**



NSU MAIN CAMPUS

166,000 alumni and current enrollment of **more than 24,000 students**. 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 degree programs are administered through academic units that offer courses at the

main campus and at field-based locations throughout Florida; across the nation; and at selected international sites in Europe, Mexico, the Pacific Rim, Central and South America, and the Caribbean.

With a budget of more than \$220 million per year, 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.

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Letter from the HPD Chancellor

OVER THE PAST two decades, NSU's Health Professions Division has evolved into a dynamic and innovative, interprofessional, academic health center that comprises seven colleges (the Colleges of Osteopathic Medicine, Pharmacy, Optometry, Medical Sciences, Dental Medicine, Health Care Sciences, and Nursing) and more than 50 degree and certificate programs.

Our colleges and programs are nationally and internationally recognized due to our esteemed faculty and staff members, who are dedicated to working closely with students, nurturing them along as they progress through the academic experience. When students truly know their professors are there for them on a daily basis, it makes a big difference in their educational experience.

Our educational paradigm is both academically and technologically robust. Because of this, we're able to provide our students with the knowledge and skills they will need to become compassionate and dedicated health care professionals. Our current students are fully aware and appreciative of this fact. And as a new student, you will be as well.

Fred Lippman, R.Ph., Ed.D.
Health Professions Division Chancellor

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 diverse backgrounds and disciplines. This interprofessional 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 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 1,800-vehicle parking garage overlooks the Miami Dolphins Training Camp.

The Health Professions Division, with a student body of more than 5,800, is home to seven colleges.



College of Osteopathic Medicine

- Doctor of Osteopathic Medicine (D.O.)
- Master of Public Health (M.P.H.)
- Master of Science in Biomedical Informatics (M.S.B.I.)
- Master of Science in Disaster and Emergency Preparedness (M.S.)
- Master of Science in Medical Education (M.S.)
- Master of Science in Nutrition (M.S.)
- Graduate Certificate in Health Education
- Graduate Certificate in Medical Informatics
- Graduate Certificate in Public Health
- Graduate Certificate in Public Health Informatics

College of Pharmacy

- Doctor of Pharmacy (Pharm.D.)
- Doctor of Philosophy in Pharmaceutical Sciences (Ph.D.)
 - Concentration in Drug Development (Pharmaceutics)
 - Concentration in Molecular Medicine and Pharmacogenomics
 - Concentration in Social and Administrative Pharmacy

College of Optometry

- Doctor of Optometry (O.D.)
- Master of Science in Clinical Vision Research (M.S.)

College of Health Care Sciences

- Bachelor of Science in Athletic Training (B.S.)
- Bachelor of Science—Cardiovascular Sonography (B.S.)
- Bachelor of Science in Exercise and Sport Science (B.S.)
- Bachelor of Health Science (B.H.Sc.)
- Bachelor of Science—Medical Sonography (B.S.)
- Bachelor of Science in Respiratory Therapy (B.S.)
- Bachelor of Science in Speech-Language and Communication Disorders (B.S.)
- Master of Science in Anesthesia (M.S.)
- Master of Health Science (M.H.Sc.)
- Master of Medical Science in Physician Assistant (M.M.S.)
- Master of Occupational Therapy (M.O.T.)
- Master of Science in Speech-Language Pathology (M.S.)
- Doctor of Audiology (Au.D.)
- Doctor of Health Science (D.H.Sc.)
- Doctor of Philosophy in Health Science (Ph.D.)
- Entry-Level Doctor of Occupational Therapy (O.T.D.)
- Doctor of Occupational Therapy (Dr.O.T.)
- Doctor of Philosophy in Occupational Therapy (Ph.D.)
- Entry-Level Doctor of Physical Therapy (D.P.T.)
- Hybrid Entry-Level Doctor of Physical Therapy (D.P.T.)
- Transition Doctor of Physical Therapy (D.P.T.)

- Doctor of Philosophy in Physical Therapy (Ph.D.)
- Doctor of Speech-Language Pathology (SLP.D.)

College of Medical Sciences

- Master of Biomedical Sciences (M.B.S.)

College of Dental Medicine

- Doctor of Dental Medicine (D.M.D.)
- Master of Science in Dental Medicine (M.S.)
- Postgraduate Certificate in Advanced Education in General Dentistry
- Postgraduate Certificate in Endodontics
- Postgraduate Certificate in Operative Dentistry
- Postgraduate Certificate in Oral and Maxillofacial Surgery
- Postgraduate Certificate in Orthodontics
- Postgraduate Certificate in Pediatric Dentistry
- Postgraduate Certificate in Periodontics
- Postgraduate Certificate in Prosthodontics

College of Nursing

- Bachelor of Science in Nursing (B.S.N.)
 - Entry Nursing
 - R.N. to B.S.N.
- Master of Science in Nursing (M.S.N.)—Major of Advanced Practice Registered Nurse
 - Concentration in Family Nurse Practitioner
 - Concentration in Geriatric Adult Acute Care
- Master of Science in Nursing (R.N. to M.S.N. or M.S.N.)
 - Concentration in Health Systems Leadership
 - Concentration in Nursing Education
 - Concentration in Nursing Informatics
- Doctor of Nursing Practice (D.N.P.)
- Doctor of Philosophy in Nursing (Ph.D.)

Dual Degrees

- Bachelor of Science—Cardiovascular Sonography (B.S.) and Master of Health Science (M.H.Sc.)
- Bachelor of Science—Medical Sonography (B.S.) and Master of Health Science (M.H.Sc.)
- Master of Health Science (M.H.Sc.)/Doctor of Health Science (D.H.Sc.)
- Doctor of Osteopathic Medicine (D.O.)/Doctor of Dental Medicine (D.M.D.)

This brochure is for information purposes only and does not represent a contract. Information contained herein is subject to change at any time by administrative decision on the direction of the board of trustees. Updated information can be found on our website (www.pharmacy.nova.edu).



NSU COLLEGE OF PHARMACY (COP) attracts high-achieving candidates and provides state-of-the-art education to students seeking to become pharmacists or researchers who are leaders and catalysts for change. Pharmacy is a rewarding, dynamic profession, one that beckons outstanding students to explore its many opportunities in the changing health care environment. The diverse educational experience NSU COP graduates receive gives them the ability to thrive in all areas of the profession, now and in the future.

At the heart of our college are our exceptional student pharmacists who are mentored by committed and talented faculty members in a rich learning environment. Our faculty members are recognized as experts in their field and are dedicated to providing quality professional and graduate education focusing on academic excellence. Students have ample opportunities to develop leadership skills, participate in community health-related activities, and engage in research and scholarship. These activities promote active engagement early in the profession within a diverse community of students and faculty and staff members.

NSU COP is a member of the Health Professions Division, providing students with the opportunity to be part of an interprofessional, collaborative team, a necessary component of progressive health care. The college provides quality education, using live videoconferencing to three different locations: Fort Lauderdale and Palm Beach, Florida, and San Juan, Puerto Rico. These locations provide each student with ongoing exposure to diverse learning experiences and high-quality interactive education.

We boast outstanding alumni who have been successful in their chosen career environments and who selflessly provide ongoing education and mentoring to our students. Our experiential education preceptors provide additional opportunities for student growth in the profession.

We are proud of our faculty, students, and alumni and look forward to receiving your application. I encourage you to make NSU COP your destination for pharmacy education.

A handwritten signature in blue ink, consisting of a stylized 'L' and 'D' followed by a horizontal line.

Lisa Deziel, Pharm.D., Ph.D.
Dean

PROFESSION OF PHARMACY

Students can prepare for a career in pharmacy through either the Ph.D. program or the professional Pharm.D. curriculum. The patient care pharmacist, often referred to as a clinical pharmacist, is highly educated in disease process, pharmacotherapy, and patient monitoring. Pharmacists review patient history and disease manifestations to guide the selection of cost-effective therapy. To optimize the outcome of medication use, the pharmacist remains in communication with patients, maximizing adherence to prescribed medication and patient response to therapeutic agents. Pharmacists work closely with interprofessional teams, including physicians, nurses, and other members of the health care team, to review and modify patient-care plans to improve patient outcomes, as required. Pharmacists emphasize disease prevention by providing immunizations, smoking cessation programs, and education about prominent chronic disease states.

Pharmacy Ph.D. graduates focus on expanding the science of drug knowledge by creating and testing new drug molecules or using technology to develop new dosage forms. This field responds to needs identified by practicing pharmacists, who identify limitations in caring for patients. The pharmaceutical scientist is very knowledgeable in pharmacology, pharmaceuticals, pharmacokinetics, and administration.

Pharm.D. and Ph.D. graduates work with professionals in all areas of health care. To prepare for a diverse work environment, the NSU College of Pharmacy prepares students through interprofessional education opportunities with other colleges within the Health Professions Division.

HISTORY OF THE COLLEGE OF PHARMACY

Nova Southeastern University's College of Pharmacy (NSU COP) admitted its first class of students in 1987, becoming the first college of pharmacy in South Florida. In fall 2000, responding to a growing pharmacist shortage, the college opened a program in West Palm Beach, Florida, followed by a third program in Ponce, Puerto Rico, in 2001. In 2002, the Pharm.D. for International Pharmacists program was introduced. This program welcomed pharmacists educated and licensed outside the United States, allowing them to earn a Pharm.D. degree through an accelerated, three-year curriculum.

Today, the college boasts three campuses: Fort Lauderdale and Palm Beach, Florida, and San Juan, Puerto Rico. Each campus has separate administration, faculty, and staff. All students are taught by a diverse faculty who engage students synchronously using state-of-the-art videoconferencing technology. Each year, the college graduates more than 220 students who enter a variety of pharmacy career pathways, including residencies and fellowships. These graduates join the more than 4,500 NSU COP alumni who are leaders in the profession, paving the way for future pharmacists.

The Doctor of Philosophy (Ph.D.) in Pharmaceutical Sciences program was approved by the NSU Board of Trustees in March 2008, and the college launched its unique program of graduate study and research leading to the Ph.D. degree in fall 2010. Students are able to choose from one of three sequences: (1) Social and Administrative Pharmacy; (2) Molecular Medicine and Pharmacogenomics; and (3) Drug Development (Pharmaceutics). The college, which graduated its first Ph.D. student in 2014, attracts scholars with a zeal for the acquisition and sharing of knowledge.

We look forward to you joining this elite group of pharmacists and researchers.



Since its inception and admission of the charter class in 1987, NSU COP has been a leader in pharmacy education and research throughout the United States. The college

- is first in doctoral-professional degrees in pharmacy to Hispanic students (2012–2013 IPEDS*)
- is 10th in doctoral-professional degrees in pharmacy to African American students (2012–2013 IPEDS*)
- has graduated more than 4,500 pharmacists
- developed pharmacy residency programs in general pharmacy practice, ambulatory care, community pharmacy, drug information, HIV/infectious disease, psychiatry, and transition of care
- developed fellowship programs in consumer health informatics, neurocognitive pharmacy, and pediatric pharmacotherapy
- developed two ambulatory care pharmacies for innovative teaching and testing of the pharmacists' expanding role
- developed a Drug Information Center in Puerto Rico
- inaugurated the country's first Center for Consumer Health Informatics Research (designated as the world's first World Health Organization's Collaborating Center in Consumer Health Informatics)
- developed collaborative agreements with international colleges of pharmacy
- implemented a pathway for international pharmacy graduates to obtain a Pharm.D. degree
- implemented a Doctor of Pharmacy and Master of Business Administration (Pharm.D./M.B.A.) dual degree program
- implemented a concurrent Doctor of Pharmacy and Master of Public Health (Pharm.D./M.P.H.) program

- implemented a Doctor of Philosophy in Pharmaceutical Sciences (Ph.D.) degree with sequences in drug development (pharmaceutics), molecular medicine and pharmacogenomics, and social and administrative pharmacy
- provided unique, themed, continuing education pharmacy programs
- initiated a postgraduate certificate in education
- implemented travel study programs to China, Japan, the United Kingdom, Slovakia, and Spain
- created a healing and medicinal garden with tropical plants from around the world
- built the first foot reflexology pathway on the U.S. east coast

*National Center for Education Statistics—Integrated Post-secondary Education Data System (IPEDS)

COLLEGE OF PHARMACY MISSION, VISION, VALUES

• MISSION STATEMENT

To educate professionals who will address the pharmacy-related needs of society

• VISION STATEMENT

Through our program of innovative teaching, service, research, and scholarship, we will achieve the distinction of being a premier college of pharmacy.

• VALUES

- Entrepreneurship
- Excellence
- Innovation
- Integrity
- Professionalism
- Respect for Diversity
- Service
- Teamwork

WE ARE VERY PROUD of the accomplishments of our students and encourage their participation in activities that support the mission, vision, and values of the Nova Southeastern University College of Pharmacy. Below is a list of honor and leadership societies, professional organizations, and fraternities in which students can participate.

COLLEGE OF PHARMACY STUDENT GOVERNMENT ASSOCIATION (COP-SGA)

The COP-SGA is the official voice for all pharmacy students. The organization is open to all students and welcomes proposals and participation from the entire student body. The responsibilities of the COP-SGA include collecting and expressing student opinion, dispensing funds for student activities, acting as a liaison for the student body, promoting pharmacy, supporting club and class activities, and working to improve the quality of life for all students at the College of Pharmacy.

HONOR SOCIETY

Rho Chi

LEADERSHIP SOCIETY

Phi Lambda Sigma

PROFESSIONAL ORGANIZATIONS

Academy of Managed Care Pharmacy (AMCP)

American Pharmacists Association Academy of Student Pharmacists (APhA-ASP)

American Society of Consultant Pharmacists (ASCP)

Christian Pharmacist Fellowship International (CPFI)

College of Psychiatric and Neurologic Pharmacists (CPNP)

Student Society of Health System Pharmacists (SSHP)

International Pharmaceutical Students Federation (IPSF)

International Society of Pharmacoeconomics and Outcomes Research (ISPOR)

Jewish Pharmacy Student Organization (JPSO)

Student College of Clinical Pharmacy (SCCP)

Student National Pharmaceutical Association (SNPhA)

FRATERNITIES

Alpha Zeta Omega

Kappa Psi

Phi Delta Chi



The Doctor of Pharmacy (Pharm.D.) degree is awarded after successful completion of the professional curriculum in the College of Pharmacy. The curriculum uses state-of-the-art interactive teaching, delivery, and assessment methods and is designed so courses integrate information and build on one another, providing students with the knowledge and skills necessary to be successful pharmacists in a dynamic and ever-changing environment.

Students may enter either the four-year, entry-level program or the three-year advanced standing program for international pharmacy graduates (see Admissions Requirements for each program for more information).

ENTRY-LEVEL PROGRAM

The didactic component of the curriculum develops students into lifelong learners, building a foundation in the medical and pharmaceutical sciences, principles of drug therapy, pharmacodynamics, and the social and administrative aspects of pharmacy. Students are actively involved in advocacy for the profession, are patient-centered, and develop team-based relationships with other health care professionals.

On-going opportunities are provided for students to experience pharmacy practice first hand. First-year students gain knowledge of the profession from pharmacy leaders through lectures, town halls, alumni forums, laboratories, student organizations, and much more. The Pharmaceutics Compounding lab provides hands-on training for first-year students in basic pharmaceutical formulations that can be prepared and dispensed in a pharmacy setting. Second- and third-year students participate in the Patient Care Management labs, which focus on using subjective and objective patient data to problem solve and create an appropriate, patient-centered plan. In addition, second-year students spend four hours each week in a community pharmacy setting and third-year students devote eight hours each week in hospital and pharmacy service preclinical settings. These opportunities allow students to apply knowledge gained from all courses in the curriculum through simulated and real-life practice settings.

Fourth-year students complete nine 160-hour Advanced Pharmacy Practice Experience (APPE) courses, six in direct patient care areas and three selective experiences in specialty health care areas. APPEs continue the student's education by providing opportunities for the clinical application of patient care in diverse health care environments and systems. During the fourth year, the Curricular Review series provides online reviews and updates of didactic coursework, including calculations and case-based drug therapy evaluations. During the fourth professional year, all students are required to return to their respective campuses for up to one week of live instruction and board exam preparation.

The entry-level curriculum outline provided is representative of students entering the Pharm.D. degree program. The entry-level program must be completed within six years of the date of matriculation.

ADVANCED STANDING PROGRAM (FOR INTERNATIONAL PHARMACY GRADUATES)

The Advanced Standing Program educates students to achieve the same outcomes as the entry-level Pharm.D. degree program, but in an accelerated format. Courses are taken with the entry-level students in an integrated classroom.

Advanced standing students complete a curriculum focusing on clinical courses, as well as additional coursework to prepare them for advanced pharmacy practice. Outside of the United States, pharmacy programs typically focus on pharmaceutics or dosage forms. The growth of patient care responsibilities has created the need for pharmacists to study disease process, acquire pharmacotherapeutic knowledge, and improve patient monitoring skills. Courses integrate information and build upon one another to provide students with the knowledge and skills necessary to be successful in the profession. Students admitted with advanced standing may have individualized coursework, depending on their previous pharmacy coursework. The advanced standing curriculum outline provided is representative of the typical international pharmacy graduate entering the Pharm.D. degree program.

The advanced standing program must be completed within five years of the date of matriculation.

ALL STUDENTS

Coursework in both the entry-level and the advanced standing program prepare students to take the North American Pharmacist Licensing Examination (NAPLEX) and the Multistate Pharmacy Jurisprudence Examination (MPJE).

All students require a valid U.S. Social Security number in order to obtain a Florida intern license, which is a program requirement. Students are responsible for having reliable transportation to attend assigned Introductory Pharmacy Practice Experience (IPPE) and APPE sites, which may be several miles from their homes or campuses. APPEs are full-time commitments for students, requiring a minimum of 40 hours per week. Students may also be required to secure accommodation at APPE sites away from their home location. APPEs may be taken in any sequence; however, students may not enroll in APPEs until all didactic work has been successfully completed.

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 \$100 fee.





Admissions Requirements • Pharm.D. Entry-Level Program

The College of Pharmacy selects students based on pre-pharmacy academic performance, Pharmacy College Admission Test (PCAT) scores, personal interviews, written applications, and letters of evaluation.

1. Prior to matriculation, all NSU College of Pharmacy applicants must complete a minimum of 64 semester hours of coursework at a regionally accredited college or university, including the following required courses, with a grade of 2.0 or higher on a 4.0 scale.

COURSE	SEMESTER HOURS
General Biology I and II including laboratory	6
Anatomy and Physiology (with or without laboratory)	6
General Chemistry including laboratory	8
Organic Chemistry including laboratory	8
General Physics (with or without laboratory)	3
English.....	6
Calculus	3
Speech/Public Speaking/Oral Communication (in English).....	3
Advanced Sciences (choose two of the following courses) genetics, cellular biology, molecular biology, microbiology, or biochemistry	6
Humanities/Social/Behavioral Sciences	
Social/Behavioral Sciences	3
Humanities.....	3
Electives in either discipline	9*
Total	64

*Ethics, micro or macroeconomics, and general/life sciences statistics are highly recommended and may substitute for up to 9 humanities and social/behavioral science elective credits.

2. Applicants must have a cumulative GPA of 2.75 or higher and a minimum science and math GPA of 2.0 or higher on a 4.0 scale.

3. Applicants are required to submit official scores from the Pharmacy College Admission Test (PCAT). PCAT scores must be no more than three years old at the time of the applicant's interview.

Applicants should take the PCAT no later than January prior to the expected date of matriculation. Candidates may register online at www.pcatweb.info or call 800-622-3231 with any questions.

4. Three letters of reference from the pre-professional committee—or if such a committee does not exist, letters of reference from two science professors and one liberal arts professor—are necessary. A letter of reference from a pharmacist may substitute for one letter from a professor in either subject.



PRIMARY APPLICATION PROCESS

Applicants apply for matriculation into the fall semester. The Office of Admissions processes applications on a rolling basis; therefore, it is in the best interest of the applicant to apply early. Listed below are the steps necessary to complete the primary application process.

1. Applicants must submit a PharmCAS application electronically. An interactive web-based application can be accessed through www.PharmCAS.org.
 - The deadline for submitting a PharmCAS application for early decision is **September 8, 2015**.
 - The deadline for submitting a PharmCAS application for regular admission is **February 1, 2016**.
 - The PharmCAS application process takes four to six weeks.
2. Applicants should submit the following materials to PharmCAS:
 - official transcripts from all college and universities attended (must be submitted directly to PharmCAS by the college or university)
 - letters of reference
 - PCAT scores

EARLY DECISION

The Early Decision Program is a binding option for applicants who have decided that a particular pharmacy degree program is their first choice, and they will enroll if accepted. As an Early Decision applicant, you can apply to only one pharmacy degree program. If you are offered admission as an Early Decision applicant, you are obligated to accept the offer, and you will not be permitted to apply to other PharmCAS degree programs during the current cycle. However, if you are denied admission as an Early Decision

applicant, you may apply to other PharmCAS degree programs for an additional fee. Visit the PharmCAS website at www.PharmCAS.org for more information about applying as an Early Decision applicant.

SECONDARY APPLICATION PROCESS

In addition to completing the PharmCAS application, NSU requires the completion of a supplemental application. Upon receipt of the PharmCAS application, NSU will email a link to access our supplemental application.

Applicants should submit the following materials electronically to NSU:

1. a completed supplemental application
 - due **September 25, 2015**, for applicants requesting early decision
 - due **March 15, 2016**, for applicants applying for regular admission
2. a nonrefundable application fee of \$50 (U.S.)

INTERVIEW PROCESS

A personal interview is part of the admissions process; however, being interviewed is not a guarantee of admission. Upon receipt of the completed application, a review will be made to determine if the applicant will be granted an interview. Not all applicants will be granted an interview. The Office of Admissions will notify selected applicants for interviews.



FOREIGN COURSEWORK

Coursework taken at foreign institutions must be evaluated for U.S. institution equivalence by an approved National Association of Credential Evaluation Services (NACES) organization, such as one of the services listed below.

World Education Services, Inc.

Bowling Green Station
P.O. Box 5087
New York, New York 10274-5087
(212) 966-6311 • www.wes.org

Josef Silny & Associates, Inc.

7101 SW 102 Avenue
Miami, Florida 33173
(305) 273-1616 • (305) 273-1338 fax
www.jsilny.com

Educational Credential Evaluators, Inc.

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

It is the applicant's responsibility to have this coursework evaluated. An official course-by-course evaluation with a cumulative grade point average must be sent directly from the evaluation service to NSU's Enrollment Processing Services.

All admissions materials and foreign evaluations must be mailed to

Nova Southeastern University
Enrollment Processing Services
3301 College Avenue, P.O. Box 299000
Fort Lauderdale, Florida 33329-9905

Circumstances may warrant that a student enrolled in one college of pharmacy seeks to transfer to another institution. All applications submitted will be reviewed by the associate dean of the Professional Program. The final decision will be based on factors that include, but are not limited to, academic record, circumstances leading to the transfer request, available space, and admissions standards. Students in good academic standing may apply as transfer applicants by completing the following requirements.

1. Submit the following materials electronically to NSU.
 - a. an NSU application (due March 15)
 - b. a nonrefundable application fee of \$50 (U.S.)
2. Meet all entry-level or advanced standing admissions requirements for the NSU College of Pharmacy, as applicable.
3. Submit the following documentation.
 - a. official transcripts for all college coursework
 - b. a written statement outlining the reasons for requesting the transfer

- c. three letters of recommendation (two from pharmacy faculty members and one from the dean, associate dean, or assistant dean of the transferring college of pharmacy that indicates the student is in good standing within the current or most recent academic program)

4. Complete an interview.

5. Submit any official standardized test scores such as PCAT, GRE, TOEFL, or IELTS to help further the evaluation of applications (recommended)

Transfer students entering the NSU College of Pharmacy may be given credit for courses that are equivalent to the courses outlined in the curriculum of the College of Pharmacy. Upon acceptance, students should submit their syllabi for review. The dean's office will evaluate the courses for transfer credit eligibility. All previous courses must meet graduate-level criteria. A minimum of 30 credit hours of didactic coursework and all Advanced Pharmacy Practice Experiences (APPE) must be completed at NSU.



FIRST YEAR

Course #	Course Title	Credits
PHRC 4000	Medical Terminology	0
PHRC 4110	Pharmaceutics I	3
PHRC 4120	Pharmaceutics II	2
PHRC 4200	Pharmacy Calculations.....	1
PHRC 4210	Pharmacodynamics I.....	3
PHRC 4220	Pharmacodynamics II.....	3
PHRC 4250	Pharmacokinetics.....	4
PHRC 4300	Pharmacy and the U.S. Health Care System	2
PHRC 4410	Physiology and Pathophysiology I	4
PHRC 4420	Physiology and Pathophysiology II	4
PHRC 4550	Introduction to Drug Information Resources and Health Informatics	2
PHRC 4580	Introduction to Professionalism and Leadership I	1
PHRC 4680	Introduction to Professionalism and Leadership II	1
PHRC 4700	Biochemistry	4
PHRL 4130	Pharmaceutics Compounding Lab.....	1

SECOND YEAR

Course #	Course Title	Credits
PHRC 5000	Physical Assessment.....	2
PHRC 5150	Nonprescription Therapies	3
PHRC 5230	Pharmacodynamics III.....	4
PHRC 5240	Pharmacodynamics IV	4
PHRC 5300	Social and Behavioral Pharmacy	2
PHRC 5330	Communication in Patient Care.....	2
PHRC 5350	Research Design and Statistics	3
PHRC 5380	Pharmacy Law	2
PHRC 5410	Pharmacotherapy I.....	3
PHRC 5420	Pharmacotherapy II	5
PHRC 5570	Biomedical Literature Evaluation.....	2
PHRC 5580	IPPE: Community I	1.5
PHRC 5680	IPPE: Community II	1.5
PHRC 5700	Medical Microbiology.....	3
PHRL 5710	Patient Care Management Lab I.....	1

THIRD YEAR

Course #	Course Title	Credits
PHRC 6250	Pharmacodynamics V.....	3
PHRC 6350	Pharmacy Management.....	3
PHRC 6370	Pharmacoeconomics and Outcomes Research	2
PHRC 6380	Public Health and Pharmacy Practice ..	2
PHRC 6430	Pharmacotherapy III	6
PHRC 6440	Pharmacotherapy IV.....	6
PHRC 6540	Pharmacy Practice Seminar.....	1
PHRC 6580	IPPE: Health System	2
PHRC 6680	IPPE: Pharmacy Service.....	2
PHRL 6720	Patient Care Management Lab II.....	1
PHRL 6730	Patient Care Management Lab III.....	1
PHRE	Elective	2
PHRE	Elective	2
PHRE	Elective	2

FOURTH YEAR

Course #	Course Title	Credits
PHRC 7610	APPE: Internal Medicine	4
PHRC 7620	APPE: Ambulatory Care.....	4
PHRC 7630	APPE: Community Patient Care I	4
PHRC 7640	APPE: Community Patient Care II	4
PHRC 7650	APPE: Acute Patient Care I	4
PHRC 7660	APPE: Acute Patient Care II	4
PHRC 7670	APPE: Selective I	4
PHRC 7680	APPE: Selective II	4
PHRC 7690	APPE: Selective III	4
PHRC 7801	Curricular Review I	0
PHRC 7802	Curricular Review II	0
PHRC 7803	Curricular Review III	0

Total Credit Hours.....145

IPPE = Introductory Pharmacy Practice Experience

APPE = Advanced Pharmacy Practice Experience

The curriculum may be revised as needed to meet the demands of the profession. These courses are representative of the overall requirements of the program at the time of publication.

The College of Pharmacy selects international pharmacy graduates for the program based on previous academic performance, TOEFL/IELTS scores (if applicable), written applications, pharmacy experience, and letters of reference.

1. Prior to matriculation, College of Pharmacy applicants must complete and receive a Bachelor of Pharmacy degree or a Bachelor of Science degree in Pharmacy from an accredited institution. The college will evaluate all official transcripts to determine if the student has successfully completed the courses listed below with a grade of C or higher.

COURSE	SEMESTER HOURS
Anatomy and physiology	6
Biochemistry	4
Microbiology	3
Pharmacology	6
Pharmaceutics	6
Pharmacokinetics	4

The college may require an applicant to complete additional prerequisite courses in order to strengthen his or her academic background.

2. It is required that applicants have a minimum 2.75 GPA, on a 4.0 scale, on all college-level coursework completed.
3. An official course-by-course evaluation of foreign coursework with the cumulative grade point average included is required (see Application Procedures for further details).
4. Proof of English proficiency is required of all applicants. The following standardized test currently satisfy NSU College of Pharmacy English requirements for nonnative English speakers:
 - Test of English as a Foreign Language (TOEFL)*—score of 213 on a computer-based test; 80 or higher on the Internet-based test www.toefl.org
 - International English Language Testing System (IELTS)—score of 6.0 or higher on the test module www.ielts.org

* TOEFL and IELTS scores may be no more than **two** years old at the time of interview.

Candidates who have taken college courses in the United States may also prove English proficiency by completing two college-level English composition courses at a regionally accredited college or university in the United States with a grade of 2.0 or higher on a 4.0 scale.

5. Three letters of reference are required from the dean/director of a pharmacy program, registered pharmacists, or professors.

It is strongly recommended that applicants submit official scores from the Graduate Record Examination (GRE) and/or the Pharmacy College Admission Test (PCAT).

ACCREDITATIONS

Nova Southeastern University College of Pharmacy's Doctor of Pharmacy Program is accredited by the Accreditation Council for Pharmacy Education, 135 S. LaSalle Street, Suite 4100, Chicago, IL 60603-4810. (312) 664-3575, 800-533-3606; FAX (312) 664-4652, website www.acpe-accredit.org. The College of Pharmacy is a member of the American Association of Colleges of Pharmacy.

Nova Southeastern University is accredited by the Southern Association of Colleges and Schools Commission on Colleges to award associate's, baccalaureate, master's, educational specialist, doctorate, and professional degrees. Contact the Commission on Colleges at 1866 Southern Lane, Decatur, Georgia 30033-4097 or call 404-679-4500 for questions about the accreditation of Nova Southeastern University.

NONDISCRIMINATION

Consistent with all federal and state laws, rules, regulations, and/or local ordinances (e.g., Title VII, Title VI, Title III, Title II, Rehab Act, ADA, and Title IX), it is the policy of Nova Southeastern University not to engage in any discrimination or harassment against any individuals because of race, color, religion or creed, sex, pregnancy status, national or ethnic origin, nondisqualifying disability, age, ancestry, marital status, sexual orientation, unfavorable discharge from the military, veteran status, or political beliefs or affiliations, and to comply with all federal and state nondiscrimination, equal opportunity, and affirmative action laws, orders, and regulations.

This nondiscrimination policy applies to admissions; enrollment; scholarships; loan programs; athletics; employment; and access to, participation in, and treatment in all university centers, programs, and activities. NSU admits students of any race, color, religion or creed, sex, pregnancy status, national or ethnic origin, nondisqualifying disability, age, ancestry, marital status, sexual orientation, unfavorable discharge from the military, veteran status, or political beliefs or affiliations, to all the rights, privileges, programs, and activities generally accorded or made available to students at NSU, and does not discriminate in the administration of its educational policies, admission policies, scholarship and loan programs, and athletic and other school-administered programs.

Application Procedures

1. A completed international application form along with a \$50 (U.S.) nonrefundable application fee must be submitted electronically to NSU by **February 1** of the year of anticipated entry. The application is available on our website (www.nova.edu).
2. Coursework taken at foreign institutions must be evaluated for U.S. institution equivalence by an approved National Association of Credential Evaluation Services (NACES) organization, such as one of the services listed below.

World Education Services, Inc.

Bowling Green Station
P.O. Box 5087
New York, New York 10274-5087
(212) 966-6311
www.wes.org

Josef Silny & Associates, Inc.

7101 SW 102 Avenue
Miami, Florida 33173
(305) 273-1616 • (305) 273-1338 fax
www.jsilny.com

Educational Credential Evaluators, Inc.

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

It is the applicant's responsibility to have this coursework evaluated. An official course-by-course evaluation with a cumulative grade point average must be sent directly from the evaluation service to NSU's Enrollment Processing Services.



3. In order to be considered for admission, applicants must submit all required documents, including all official test scores from the testing center, directly to NSU's Enrollment Processing Service.

Nova Southeastern University
Enrollment Processing Service
3301 College Avenue, P.O. Box 299000
Fort Lauderdale, Florida 33329-9905

4. Upon receipt of the completed application and submitted required documents, the Committee on Admissions will select applicants for a personal interview, notifying those applicants of the day and time of the interview. **Being granted an interview is not a guarantee of admission.**



FIRST YEAR

Course #	Course Title	Credits
PHRC 4000	Medical Terminology	0
PHRC 4200	Pharmacy Calculations.....	1
PHRC 4300	Pharmacy and the U.S. Health Care System	2
PHRC 4550	Introduction to Drug Information Resources and Health Informatics	2
PHRC 4580	Introduction to Professionalism and Leadership I	1
PHRC 4680	Introduction to Professionalism and Leadership II	1
PHRC 5150	Nonprescription Therapies	3
PHRC 5300	Social and Behavioral Pharmacy	2
PHRC 5330	Communication in Patient Care.....	2
PHRC 5350	Research Design and Statistics	3
PHRC 5380	Pharmacy Law	2
PHRC 5410	Pharmacotherapy I.....	3
PHRC 5420	Pharmacotherapy II.....	5
PHRC 5570	Biomedical Literature Evaluation.....	2
PHRC 5580	IPPE: Community I.....	1.5
PHRC 5680	IPPE: Community II.....	1.5
PHRC 6260	Clinical Pharmacology.....	4
PHRL 5710	Patient Care Management Lab I.....	1

SECOND YEAR

Course #	Course Title	Credits
PHRC 5000	Physical Assessment.....	2
PHRC 6250	Pharmacodynamics V.....	3
PHRC 6350	Pharmacy Management.....	3
PHRC 6370	Pharmacoeconomics and Outcome Research	2
PHRC 6380	Public Health and Pharmacy Practice..	2
PHRC 6430	Pharmacotherapy III	6
PHRC 6440	Pharmacotherapy IV.....	6
PHRC 6540	Pharmacy Practice Seminar.....	1
PHRC 6580	IPPE: Health System	2

Course #	Course Title	Credits
PHRC 6680	IPPE: Pharmacy Service.....	2
PHRL 6720	Patient Care Management Lab II.....	1
PHRL 6730	Patient Care Management Lab III.....	1
PHRE	Elective	2
PHRE	Elective	2

THIRD YEAR

Course #	Course Title	Credits
PHRC 7610	APPE: Internal Medicine	4
PHRC 7620	APPE: Ambulatory Care.....	4
PHRC 7630	APPE: Community Patient Care I	4
PHRC 7640	APPE: Community Patient Care II	4
PHRC 7650	APPE: Acute Patient Care I.....	4
PHRC 7660	APPE: Acute Patient Care II.....	4
PHRC 7670	APPE: Selective I	4
PHRC 7680	APPE: Selective II	4
PHRC 7690	APPE: Selective III	4
PHRC 7801	Curricular Review I	0
PHRC 7802	Curricular Review II.....	0
PHRC 7803	Curricular Review III	0

Total Credit Hours **108**

IPPE = Introductory Pharmacy Practice Experience

APPE = Advanced Pharmacy Practice Experience

The curriculum may be revised as needed to meet the demands of the profession. These courses are representative of the overall requirements of the program at the time of publication.

Pharm.D. students can apply to do a concurrent degree after successful completion of first-year pharmacy coursework.

Master of Business Administration (Pharm.D./M.B.A.)

Combining a Pharm.D. degree with an M.B.A. lays the foundation for combining business management with pharmacy practice. Students prepare for highly competitive management and administrative positions in business and pharmacy and improve skills in problem solving, leadership, communication, and writing. Dual-degree students report increased job opportunities and job satisfaction.

Master of Public Health (Pharm.D./M.P.H.)

Experts in public health study disease trends and help combat outbreaks of disease. With a concurrent degree in pharmacy, graduates are well prepared to study disease prominence, susceptible populations, and effects of treatment. The shrinking health care dollar, selection of appropriate patients for care, and the growing resistance of bacteria are examples where guidance by pharmacy specialists has become critical. Pharm.D./M.P.H. graduates possess skills to influence social and health policies at the federal, state, and local levels, or to guide policies of schools, hospitals, clinics, or the pharmaceutical industry.

Master of Science in Biomedical Informatics (Pharm.D./M.S.B.I.)

Experts in medical informatics are critical for planning and establishing electronic patient records, communication of health care information, and analysis of results for improving patient outcome and economic viability of health care providers. With a concurrent degree in pharmacy, graduates are well prepared to lead institutional efforts to provide an extensive electronic environment where medication use is optimized, tracked, and assessed for safe, evidence-based practice. Pharm.D./M.S.B.I. graduates have the skills and experience needed to lead efforts in health care, whether those efforts are in public organizations, health care systems, industry, or government agencies.



The Health Professions Division at Nova Southeastern University requires all graduate students who are enrolled in health-related Ph.D. programs, including pharmacy, to take a series of core courses in their first and second years. Students will also focus on either Social and Administrative Pharmacy, Drug Development (Pharmaceutics), or Molecular Medicine and Pharmacogenomics core courses, elective courses, written comprehensive and oral qualifying examinations, and research in their respective areas. Research topics are consistent with the expertise of faculty members in the College of Pharmacy (COP) at NSU. Because of its exclusive emphasis on pharmacy topics, the program does not duplicate degrees or courses offered by other NSU centers. In addition, the Ph.D. program is consistent with the criteria for accreditation set by the Commission on Colleges of the Southern Association of Colleges and Schools.

The Social and Administrative Pharmacy sequence focuses on coursework and research skills that address the dynamic and complex nature of the use and distribution of pharmaceutical products and the provision of pharmacy services. Students who select this sequence are expected to choose one of two tracks: 1) Sociobehavioral and Cultural Pharmacy or 2) Pharmacy Economics and Outcomes. Students who pursue either track in this sequence will be primarily under the tutelage of faculty members in the department of Sociobehavioral and Administrative Pharmacy, a group with expertise in pharmacoeconomics, health disparities and vulnerable populations, cultural competency, development and implementation of sustainable pharmacy services, patients' decision making, pharmacy marketing, outcomes research, and related areas.

The Drug Development (Pharmaceutics) sequence emphasizes the coursework, laboratory, and literature research skills that are integral to the theory and practice associated with the incorporation of drug entities into the forms and formulations that best deliver the drugs to the site of the intended medical action. Students who pursue this sequence will be primarily under the tutelage of faculty members in the department of pharmaceutical sciences, a group that has expertise in pharmaceutics-related

disciplines. Particular areas of expertise include a variety of drug formulations and novel drug delivery systems.

The Molecular Medicine and Pharmacogenomics sequence emphasizes the coursework, laboratory, and literature research skills that are integral to elucidation of the mechanism of action of drugs and the extent and characteristics of drug actions. Students who pursue this sequence will be primarily under the tutelage of faculty members in the department of pharmaceutical sciences, a group that has expertise in areas such as pharmacology, medicinal chemistry, toxicology, and biochemistry. Particular areas of expertise include cardiovascular pharmacology, molecular pharmacology, anti-inflammatory steroids, and cancer pharmacology.

Students are required to take a minimum of 60 credits, at least 36 of which must be in didactic coursework. An average GPA of 3.0 or higher is expected in the didactic work. Coursework aimed at correcting an academic deficiency in a student's background will not count toward program requirements.

At the completion of this course of study and research, students will be able to

- demonstrate the knowledge base expected at the Ph.D. level in a pharmacy specialty
- design and conduct independent research that adds to the understanding of their pharmacy specialty
- prepare and defend rational and structured proposals seeking support for research efforts
- prepare and present lucid reports on their own research as well as the research of others

Candidates will be recruited for the Ph.D. program with degrees in fields related to the sciences. Successful applicants will be required to comply with the guidelines outlined below.

1. All applicants must have an earned baccalaureate degree from an accredited institution of higher education.
2. The applicant should have earned a cumulative GPA equal to a 3.0 or better on a 4.0 scale.
3. All applicants must submit
 - a Ph.D. application
 - Graduate Record Examination (GRE) scores
 - Scores must be less than five years old.
 - The NSU code is 5522.
 - three letters of reference
 - Letters must be from professors or supervisors in the applicant's field of study.
 - all official transcripts and foreign evaluations, if applicable.

4. Coursework taken at foreign institutions must be evaluated for U.S. institution equivalence by an approved National Association of Credential Evaluation Services (NACES) organization, such as one of the services listed below.

World Education Services, Inc.

Bowling Green Station
P.O. Box 5087
New York, New York 10274-5087

(212) 966-6311 • www.wes.org

Josef Silny & Associates, Inc.

7101 SW 102 Avenue
Miami, Florida 33173

(305) 273-1616 • (305) 273-1338 fax
www.jsilny.com

Educational Credential Evaluators, Inc.

P.O. Box 514070
Milwaukee, Wisconsin 53203-3470

(414) 289-3400 • www.ece.org

It is the applicant's responsibility to have this coursework evaluated. An official course-by-course evaluation with a cumulative grade point average must be sent directly from the evaluation service to NSU's Enrollment Processing Services.



Applicants may apply for matriculation into the fall semester. The Office of Admissions processes applications on a rolling basis; therefore, it is in the best interest of the applicant to apply early. In order to be considered for admission, students must complete the application form and submit supporting documents and a nonrefundable fee of \$50 (U.S.).

1. Applicants must apply for admissions electronically by using the interactive, web-based application at <http://pharmacy.nova.edu/admissions>.
 - All applications and required documents must be submitted by **March 1**.
2. In order to be considered for admissions, applicants must submit all required documents to the address below:

Nova Southeastern University
Enrollment Processing Service
3301 College Avenue, P.O. Box 299000
Fort Lauderdale, Florida 33329-9905
3. Upon receipt of the completed application and all required documents, the Committee on Admissions will review and select applicants for a personal interview. Applicants will be notified of the day and time of the scheduled interview. **Being granted an interview does not guarantee admission into the program.**



Social and Administrative Pharmacy Sequence		Drug Development (Pharmaceutics) Sequence		Molecular Medicine and Pharmacogenomics Sequence	
First Year		First Year		First Year	
Bioethics Principles of Life Science Research	3	Advanced Pharmacokinetics and Biopharmaceutics	3	Advanced Pharmacokinetics and Biopharmaceutics	3
Biostatistics I	3	Advanced Physical Pharmacy	3	Bioethics Principles of Life Science Research	3
Biostatistics II	3	Bioethics Principles of Life Science Research	3	Biostatistics I	3
Graduate Seminar	2	Biostatistics I	3	Clinical Pharmacology	4
Health Economics	3	Graduate Research	6	Molecular and Cellular Pharmacodynamics	3
Pharmaceutical Marketing	3	Graduate Seminar	2	Experimental Statistics and Informatics	1
Pharmacy Management and Finance	3	Pharmaceutical Sciences Research Design	3	Graduate Research	6
Population Health and Public Policy	3	Scientific Writing	1	Graduate Seminar	2
Research Design	3	Research/Internship	3	Research/Internship	3
Research/Internship	3			Scientific Writing	1

Second Year		Second Year		Second Year	
Advanced Quantitative Methods	3	Elective	6	Advanced Pharmacogenomics and Molecular Medicine	3
Elective	6	Graduate Research	9	Applied Pharmacology	3
Graduate Research	9	Graduate Seminar	2	Elective	3
Graduate Seminar	1	Product Development and Industrial Pharmacy	4	Graduate Research	2
Pharmacoeconomics	3	Research Funding and Proposal Development	3	Graduate Seminar	1
Research Funding and Proposal Development	3	Research Techniques and Instrumentation	3	Journal Club	1
Scientific Writing	1	Written Comprehensive and Oral Qualifying Exams	0	Research Design	1
Social Measurement and Techniques	3	Advanced Topics in Pharmaceutical Sciences	1	Research Funding and	1
Theories of Health-Seeking Behavior	3			Research Techniques and Instrumentation	3
				Written Comprehensive and Oral Qualifying Exams	0

Social and Administrative Pharmacy Sequence		Drug Development (Pharmaceuticals) Sequence		Molecular Medicine and Pharmacogenomics Sequence	
Third Year		Third Year		Third Year	
Elective	6	Advanced Topics in Pharmaceutical Sciences	2	Dissertation Research	24
Dissertation Research	16	Dissertation Research	24	Graduate Seminar	2
Graduate Research	3	Graduate Seminar	2		
Graduate Seminar	2				
Written Comprehensive and Oral Qualifying Exams	0				

Fourth Year		Fourth Year		Fourth Year	
Graduate Seminar	2	Graduate Seminar	2	Graduate Seminar	2
Dissertation Defense	0	Dissertation Defense	0	Dissertation Defense	0
Dissertation Research	16	Dissertation Research	16	Dissertation Research	16



EXPENSES AND FINANCIAL AID

Students should anticipate spending approximately \$2,000 a year for books, electronic devices (e.g., iPads), equipment, and supplies, and \$14,000 for living expenses for a nine-month academic year.

The primary financial responsibility for a student's education rests with the student and his or her family, but economic circumstances for some families may make it necessary for the student to obtain assistance from other sources.

The Office of Student Financial Assistance at Nova Southeastern University is there to help as many qualified students as possible to complete their pharmacy education. Various loans, scholarships, and grants are available to qualified students to help ease the high cost of a health professions education. Approximately 90 percent of College of Pharmacy students receive some form of financial assistance. These financial assistance programs are described on our website (www.nova.edu/financialaid). For information, contact

Nova Southeastern University
Office of Student Financial Assistance
3301 College Avenue
Fort Lauderdale, Florida 33314-7796

(954) 262-3380 or 800-806-3680

Opportunity for a limited number of part-time work assignments is available. However, the demands of a program of professional study limit the number of hours a student can work.

TUITION

ENTRY-LEVEL PROGRAM

Tuition for 2015–2016 is \$29,450 for Florida* and Puerto Rico residents and \$33,225 (U.S.) for out-of-state residents. Tuition for 2016–2017 will subsequently be posted on our website (www.pharmacy.nova.edu). A Health Professions Division general access fee of \$145 is required each year. An NSU student services fee of \$1,050 is also required annually. All tuition and fees are subject to change by the board of trustees without notice.

*Only Florida residents in the entry-level program may qualify for in-state tuition. Information on applying for

Florida residency status is available at www.nova.edu/cwis/hpdasa/florida-in-state-tuition.html. Residency status will be determined at matriculation and will remain the same throughout enrollment at NSU. No tuition amounts will be adjusted as a result of a change in residency.

ADVANCED STANDING PROGRAM

Tuition for 2015–2016 is \$40,595 (U.S.). Tuition for 2016–2017 will subsequently be posted on our website (www.pharmacy.nova.edu). A Health Professions Division general access fee of \$145 is required each year. An NSU student services fee of \$1,050 is also required annually. All tuition and fees are subject to change by the board of trustees without notice.

PH.D. PROGRAM

Tuition for 2015–2016 is \$26,665 (U.S.). Tuition for 2016–2017 will subsequently be posted on our website (www.pharmacy.nova.edu). A Health Professions Division general access fee of \$145 is required each year. An NSU student services fee of \$1,050 is also required annually. All tuition and fees are subject to change by the board of trustees without notice.

FEES AND DEPOSITS—ALL PROGRAMS

Acceptance and Preregistration Fee—\$1,000. This fee is required to reserve the accepted applicant's place in the entering first-year class. This advance payment will be deducted from the tuition payment due on registration day, but is not refundable in the event of a withdrawal. It is payable within three weeks of an applicant's acceptance.

The first semester's tuition and fees, less the \$1,000 previously paid, and due on or before the appropriate registration day. Tuition for each subsequent semester is due on or before the appropriate registration day. Students will not be admitted until their financial obligations have been met. The financial ability of applicants to complete their training is important because of the limited number of positions available in each class. Applicants should have specific plans for financing their education. This should include tuition, living expenses, books, equipment, and miscellaneous expenses.

OFFICE OF INTERNATIONAL STUDENTS AND SCHOLARS

It is the responsibility of international students and scholars to ensure that their visa status allows for the issue of a Social Security number. A Social Security number is mandatory to receive an intern license in the Pharm.D. program, which is a requirement for placement on pharmacy practice experiences. Without an intern license, a student cannot complete the curriculum or the requirements of the Pharm.D. degree program.

International students in the Ph.D. program who are paid teaching assistants will need to obtain a Social Security number for employment with the university.

It is the responsibility of the international applicant to contact the Office of International Students and Scholars (OISS) for information on immigration regulations and student visa requirements. For more information, visit www.nova.edu/internationalstudents/.

STUDENT HEALTH INSURANCE

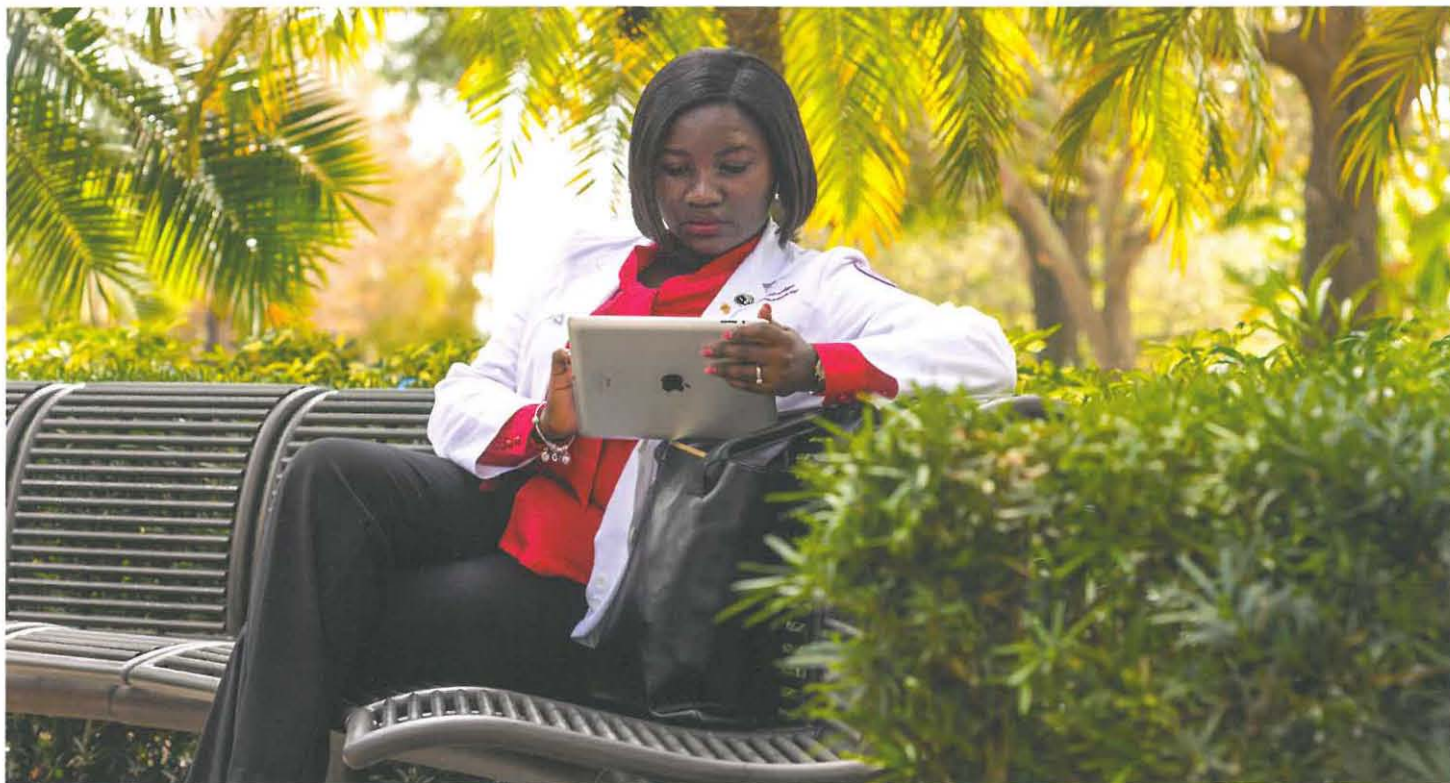
All NSU COP students are required to maintain adequate health insurance. NSU will automatically enroll you in the Nova Southeastern University Student Medical Insurance Plan and charge your student account. If you are insured under another insurance plan, you will be required to complete an online waiver form by the given deadline. For more information, visit the insurance website at www.nova.edu/smc/health_insurance.html.

STUDENT HOUSING

Numerous apartments, condominiums, and other rental facilities are located near the NSU campuses. On-campus housing is also available in Fort Lauderdale. Information concerning on-campus and off-campus housing may be obtained at www.nova.edu/housing or by emailing the addresses below.

Palm Beach Students: pbphss@nova.edu

San Juan Students: prphss@nova.edu



HEALTH PROFESSIONS DIVISION COMPLEX (SEE BELOW FOR LOCATION ON CAMPUS)

1 TERRY ADMINISTRATION BUILDING

FIRST FLOOR

- Student Affairs
- Admissions
- Financial Aid
- HPD Cafeteria

SECOND FLOOR

- College of Health Care Sciences
 - Audiology Department
 - Health Sciences Department
 - Occupational Therapy Department
 - Physical Therapy Department
 - Physician Assistant Department

THIRD FLOOR

- College of Medical Sciences
- College of Pharmacy

FOURTH FLOOR

- College of Osteopathic Medicine
- College of Optometry

FIFTH FLOOR

- HPD Administration
- Public Health Program
- College of Nursing
- Area Health Education Center

2 ASSEMBLY BUILDING

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

3 LIBRARY/LABORATORY BUILDING

FIRST FLOOR

- Center for Consumer Health Informatics Research (CCHIR)
- "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
- Pharmaceuticals Laboratory

4 PHARMACY AND PHARMACEUTICAL CARE CENTER

5 SANFORD L. 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
 - Audiology
 - Cardiology
 - Internal Medicine
 - Osteopathic Manipulative Medicine
 - Pulmonary Medicine
- Emergency Medicine Training Center



6 DENTAL MEDICINE BUILDING

FIRST FLOOR

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

SECOND FLOOR

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

THIRD FLOOR

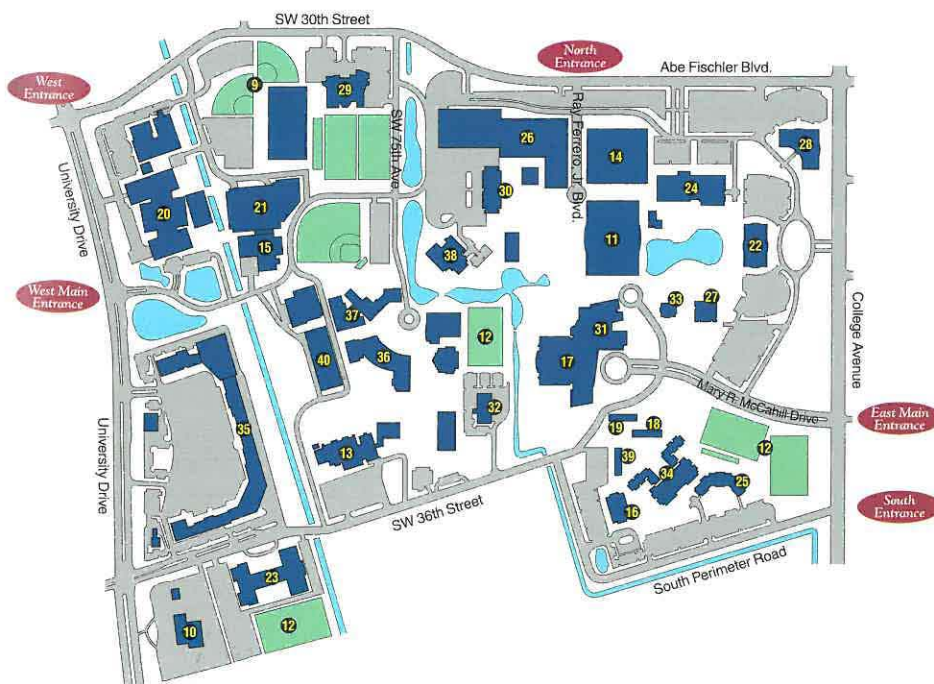
- Auditorium
- Seminar Rooms
- Central Sterilization Area
- Dispensing
- Faculty Offices
- Student Dental Supply Depot

7 PARKING GARAGE

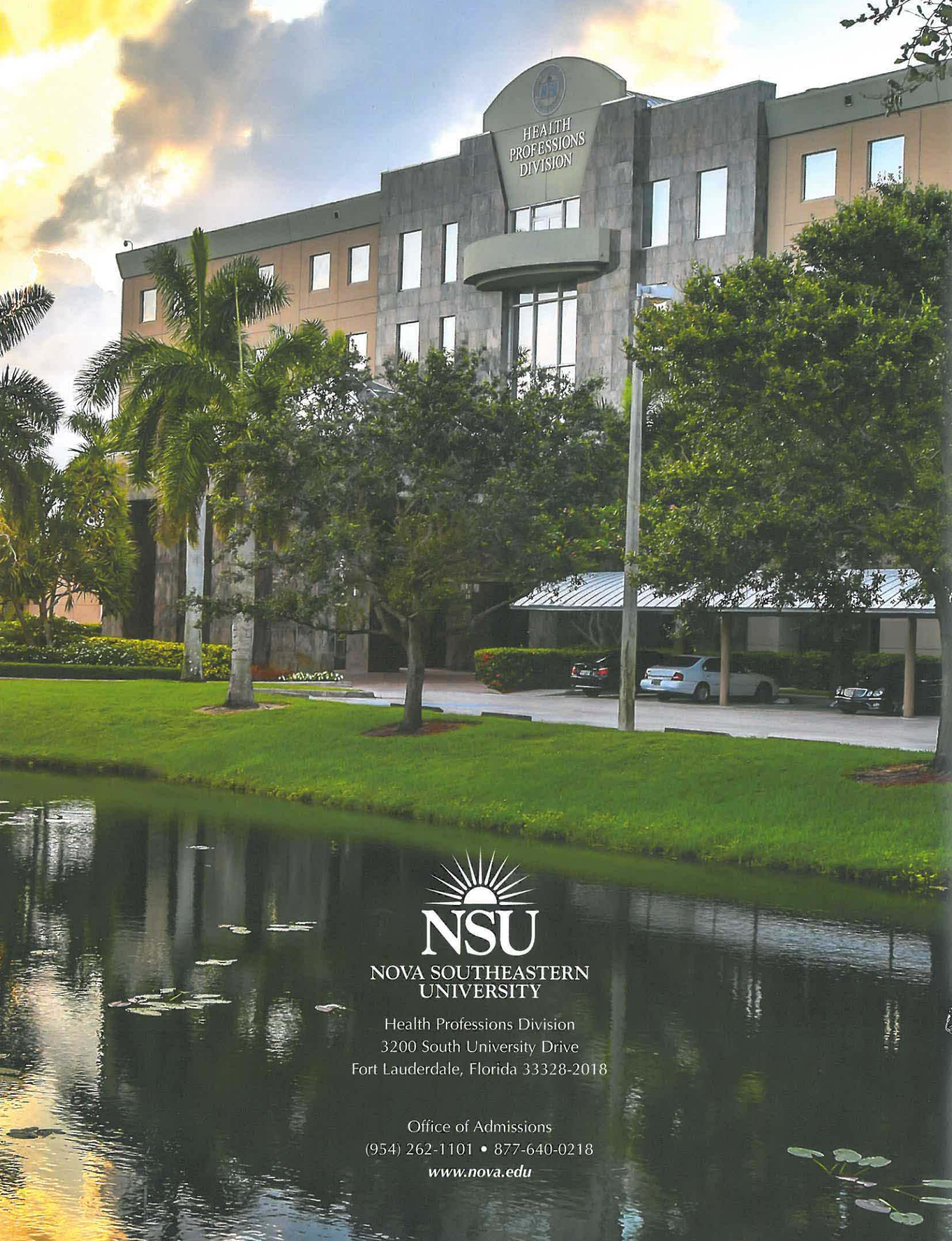
8 HPD ASSEMBLY BUILDING

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

NSU MAIN CAMPUS



A.D. Griffin Sports Complex with Lighted Softball Fields	9
Administrative Services Center	10
Alvin Sherman Library, Research, and Information Technology Center	11
Athletics Fields	12
Campus Support Center	13
Carl DeSantis Building	14
Center for Collaborative Research	15
Cultural Living Center	16
Don Taft University Center	17
Farquhar Residence Hall	18
Founders Residence Hall	19
Health Professions Division Complex	20
Health Professions Division Parking Garage	21
Horvitz Administration Building	22
Jim & Jan Moran Family Center Village	23
Leo Goodwin Sr. Hall	24
Leo Goodwin Sr. Residence Hall	25
Library and Main Student Parking Garage	26
Mailman-Hollywood Building	27
Maltz Psychology Building	28
Miami Dolphins Training Facility	29
Parker Building	30
Rosenthal Student Center	31
Shark Athletics Building	32
Student Affairs Building	33
The Commons Residence Hall	34
University Park Plaza	35
University School Lower School	36
University School Middle School (Dauer Building)	37
University School Upper School (Sonken Building)	38
Vettel Residence Hall	39
West Parking Garage	40



NOVA SOUTHEASTERN
UNIVERSITY

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

Office of Admissions
(954) 262-1101 • 877-640-0218
www.nova.edu