Health Professions Division Pharmacy Admissions 1995

Nova Southeastern University

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ACCREDITATION

The Doctor of Pharmacy program at Nova Southeastern University College of Pharmacy has been granted full accreditation status by the American Council on Pharmaceutical Education (ACPE), the national agency for the accreditation of professional programs in pharmacy.

Nova Southeastern University College of Pharmacy is a member of the American Association of Colleges of Pharmacy.

Nova Southeastern University is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools to award bachelor's, master's, educational specialist, and doctoral degrees.

POLICY OF NON-DISCRIMINATION

Nova Southeastern University College of Pharmacy does not discriminate on the basis of age, color, national or ethnic origin, sex, religion or handicap in the administration of its employment and educational policies, student admission policies, scholarship and loan programs or other programs administered by the College.

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 or the direction of the Board of Trustees.
Dear Prospective Student:

As you consider applying for admission to Nova Southeastern University's College of Pharmacy, there are some important ideas you need to review.

For the pharmacist, a patient is much more than a prescription to be filled. Each person is a complete human being to be viewed with consideration for his or her entire background.

The pharmaceutical program model is comprehensive and holistic and demands that its practitioners possess humanistic and intellectual qualities as profound as the academic. It requires a broad educational background and strong humanistic feelings.

The training of primary care pharmacists to serve the nation's growing need for total healthcare services, and the drive to reach underserved, rural, minority, geriatric and indigent populations make Nova Southeastern University Health Professions Division unique.

If you feel that you fit this profile, and wish to dedicate your life to the practice of patient-oriented pharmacy, which is quickly becoming the most important and valued area of practice, we welcome your application.

Sincerely,

Morton Terry, D.O., Chancellor
Nova Southeastern University
Health Professions Division
In January, 1994, Southeastern University of the Health Sciences merged with Nova University, creating Nova Southeastern University, the 47th largest private university in the U.S. and the 36th largest in student enrollment. Our Colleges of Osteopathic Medicine, Pharmacy, Optometry, and Allied Health are now collectively known as the Health Professions Division of Nova Southeastern University.

Nova University, founded in 1964, offered programs in law, education, business, psychology, social and other sciences.

Southeastern University was Florida’s only private academic institution dedicated to health care education. The University was born from the commitment of osteopathic physicians to advance their profession.

The Southeastern College of Osteopathic Medicine admitted its first class in 1981 and was soon accredited. In 1986, the College of Pharmacy was established and is now accredited. In 1988, the College of Optometry was established. University status was then conferred upon the institution, which became Southeastern University of the Health Sciences. In 1989, the College of Optometry admitted its charter class, and was accredited in 1993.

In 1993, the College of Allied Health established a Physician Assistant program. In 1994, programs in Occupational Therapy and Physical Therapy were added.

Thus, in one decade, the institution grew into a multi-disciplinary university with over 1,300 health care students. Now, it has become a broader-based university providing numerous educational opportunities as Nova Southeastern University.
Pharmacists are health care professionals knowledgeable about drugs and therapeutic goals, their uses, formulation, contraindications, adverse effects, incompatibilities and potential for drug interactions. As drugs have become more potent and specific, and information more plentiful, pharmacists have assumed a primary responsibility for monitoring drug therapy. Because pharmacy’s professional role has enlarged, pharmacists have become integral to the health care delivery system. Professional opportunities include owning or managing a community pharmacy; home health care; nursing home and hospital practice; consulting, and working in the pharmaceutical industry, government or institutions of higher learning.

**Professional Program**

**The Pharm.D. Degree**

Pharmacy education includes two major components: the pre-pharmacy curriculum and the professional pharmacy curriculum. Before beginning studies in the College of Pharmacy, students must complete 60 semester hours of pre-pharmacy coursework at an accredited college or university.

Nova Southeastern University College of Pharmacy offers the Doctor of Pharmacy (Pharm.D.) as the entry level degree in pharmacy. The program is four years (8 semesters) long. The first five semesters are campus-based didactic courses. The remaining coursework is spent in clinical rotations gaining practical experience in various pharmacy settings.
**FIRST YEAR**

The first year of the professional curriculum provides a firm foundation in the basic sciences. In order to provide efficiency of learning, anatomy, pathology and physiology are integrated into one course. Similarly, medicinal chemistry and pharmacology have been combined into one course called pharmacodynamics. The course of kinetics teaches the rate of drug absorption, distribution, and elimination. Courses in pharmacy administration provide an insight into the business and human relations aspects of pharmacy.

**SECOND YEAR**

The second year of the professional curriculum is more applied. Therapeutics addresses the use of drugs in the disease process. Physical assessment is taught because of its value in monitoring the progress of drug therapy. Students begin the study of pharmaceutics by investigating the science of pharmaceutical dosage forms. A pharmacy law course and a prescription practice course provide students with the background for legally and ethically dispensing prescriptions and communicating with patients. Pharmacy administration courses investigate the social and economic aspects of health care.

**THIRD AND FOURTH YEARS**

In the third year, students in the Pharm.D. program hone their analytical skills. Courses in statistics and experimental design, drug literature evaluation, clinical pharmacokinetics and interpretation of laboratory data are included at this stage. In order to ensure that graduates are adept in therapeutics and pathophysiology, additional courses in these areas are given. The second half of the third year is externship, which is full-time experience working under the tutelage of a pharmacist. One-half semester will be spent in a community pharmacy and one-half in a hospital pharmacy learning drug distribution and patient care.
The final year of the curriculum consists of eight full-time clinical clerkships. During the first semester, students study full-time under the supervision of a clinical pharmacist who takes responsibility for drug therapy, often at patients' bedsides. In the second semester, students practice with more independence to learn to monitor drug therapy, maximize benefits, and minimize side effects in order to achieve therapeutic success.

ADMISSION REQUIREMENTS
(1995 ENTERING CLASS)

The College of Pharmacy selects students based on pre-pharmacy academic performance, aptitude, personal interviews, written applications and letters of evaluation.

Pre-pharmacy Studies:
1. Prior to matriculation, College of Pharmacy applicants must complete a minimum of 60 semester hours of coursework at a regionally accredited college or university, including the following required courses:
   General biology with laboratory – 8 semester hours
   General chemistry with laboratory – 8 semester hours
   Organic chemistry with laboratory – 8 semester hours
   Calculus – 3 semester hours
   (from a math department)
   Statistics – 3 semester hours
   Humanities – 3 semester hours
   Social/Behavioral sciences – 3 semester hours
   English composition – 3 semester hours
   English literature – 3 semester hours
   Speech – 3 semester hours
   Economics – 6 semester hours
   (macro/micro preferred)
   Additional Social/Behavioral sciences and/or Humanities – 9 semester hours
2. Students must have a grade point average of 2.5 or higher on a four-point scale. To assure a well-rounded background for professional studies and adequate preparation in mathematics and sciences, the College requires students to earn a grade of 2.0 or better in each required pre-pharmacy course and a minimum average of 2.0 in all biology courses; a minimum average of 2.0 in all chemistry courses; and a minimum average of 2.0 in all mathematics courses. We recommend that courses taken outside these requirements be in the social and behavioral sciences or the humanities.

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

Applicants should take the PCAT no later than October or February prior to the expected date of matriculation. Candidates should schedule pre-pharmacy coursework so that they complete biology and some chemistry courses before taking the PCAT.

A national, standardized examination, the PCAT is designed to measure verbal ability, quantitative ability, reading comprehension, and knowledge of biology and chemistry. The half-day test is offered in October, February and April at locations throughout the U.S. and Canada, including Tampa, Gainesville, Tallahassee and the Nova Southeastern University Health Professions Division campus. Application brochures for the PCAT may be available at your college. You can also receive the brochure from the Office of Admissions, College of Pharmacy, or by forwarding a written request to:

Pharmacy College Admission Test
The Psychological Corporation
555 Academic Court, San Antonio, TX 78204
1-800-622-3231
APPLICATION PROCEDURE

Candidates for admission must submit or be responsible for the submission of:

1. A completed application form along with a $50 non-refundable application fee.
2. A letter of evaluation from the preprofessional committee or, if such a committee does not exist, three letters of evaluation, two from science professors and one from a liberal arts professor.
3. Official PCAT scores.
4. Official college transcripts from all undergraduate and graduate institutions attended, sent directly from the institution.

In addition, a letter of reference from a registered pharmacist is recommended.

Upon receipt of the completed application and required credentials, the Committee on Admissions will select those applicants to be interviewed. Those selected will be notified in writing of the time and place. All applicants who are eventually chosen by the College must be interviewed, but an invitation to appear for an interview should not be construed by the applicant as evidence of final acceptance.

Notice of acceptance or other 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.

ALL APPLICATION DOCUMENTS SHOULD BE RECEIVED BY MARCH 15 IN ORDER FOR THE APPLICANT TO BE CONSIDERED FOR ADMISSION IN THE FALL OF THE SAME YEAR.

STUDENT HOUSING

Numerous apartments, condominiums, and other rental housing facilities are available within a five-mile radius of the University. Limited on-campus housing is available on a first-come, first-served basis. Information concerning on- and
off-campus housing may be obtained from the Office of the Registrar. Students must secure their own off-campus accommodations.

**TUITION AND FEES**

The Board of Trustees has established the following tuition and fees which are subject to change at any time at the discretion of the Board of Trustees.

1. **Tuition** – $10,380 for Florida residents and $13,560 for out-of-state students for the 1995-96 academic year, plus a student activities fee of $100 is required from all students.

2. **Acceptance Fee** – $100. This fee is required to reserve the accepted applicant's place in the first-year class. Advance payment will be deducted from the tuition payment due on Registration Day, but is not refundable in case of a withdrawal. It is payable within two weeks of an applicant's acceptance.

3. **Deposit** – $400. Due March 15, under the same terms as the Acceptance Fee.

4. **Pre-registration Fee** – $500. Due May 15, under the same terms as the Acceptance Fee.

The first semester's tuition and fees, less the $1,000 previously paid, are due on or before 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 completed.

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 plans for financing four years of professional education.

It is required that each student carry adequate personal medical and hospital insurance. We strongly suggest that students avail themselves of the hospitalization insurance plan obtainable through Nova Southeastern University.

Every student is required to have had the following immunizations prior to matriculating at Nova Southeastern University: diphtheria-pertussis-tetanus (or diphtheria-tetanus), measles-mumps-rubella, and poliomyelitis. A written memorandum of the immunization given and the date, signed by a physician, must be filed with the Office of Admissions by Registration Day. A complete physical examination and a comprehensive eye examination, consistent with the standard University form, are required of every student upon entrance to the University.

**EXPENSES AND FINANCIAL AID**

Students should anticipate spending approximately $750 a year for books, equipment and supplies and about $14,000 for a nine-month academic year for living expenses.

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

The purpose of the Student Financial Aid Program at Nova Southeastern University is to help as many qualified students as possible to complete their health professions education. Various loans, scholarships and grants are available to qualified students to help ease the high cost of a health professions education. These financial assistance programs are described in a separate publication.

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.
The Health Professions Division campus will move to NSU's main campus in Davie, Florida, in 1996. Until then, health professions students will continue to train in Nova Southeastern's splendid campus in North Miami Beach. It comprises four modern buildings designed for educational, administrative and student functions. Located in a residential area close to transportation, recreation and housing, the campus is ideal for students and faculty.

The Morton Terry Building is the Division's administrative hub with five stories and 154,000 square feet of classroom, laboratory, and office space. On the first floor is the University Clinical Center, which provides out-patient primary care for the community and clinical training for students. The Terry Building also contains offices for the College of Osteopathic Medicine, the College of Optometry, the College of Allied Health, the Department of Admissions and Student Affairs (including offices of Student Financial Aid and the Registrar), and the bookstore.

The University's original structure has become the Pharmacy Building. The three-level structure houses pharmacy laboratories, model community and hospital pharmacy dispensaries for student clinical training, and faculty and administrative offices for the College of Pharmacy. The Student Computer Laboratory, the Audiovisual Department, and the Drug Information Center (which provides pharmaceutical information to health care professionals) are also located here.

The three-story Education Building contains two lecture amphitheaters, lecture halls, state-of-the-art laboratories, and four preparation rooms used for basic sciences and research.

The Student Activities Building is used for recreation and student activities. It houses the library and HARVEY, a life-sized, computerized mannequin which simulates normal and abnormal cardiac symptoms and sounds. The building has a 500-seat auditorium, an osteopathic manipulative medicine laboratory, student cafeteria, student lounges, a gymnasium, and racquetball court.
DIRECTIONS:

From the Fort Lauderdale-Hollywood International Airport, take Interstate 95 South to the Miami Gardens Drive exit. Turn left (east) on Miami Gardens Drive. Continue east to N.E. 19th Avenue. Turn right (south) on N.E. 19th Avenue. Continue south to N.E. 167th Street. Turn right (west) to the campus complex.

From the Miami International Airport, take Interstate 95 North to State Route 826 East (N.E. 167th Street). Continue East on State Route 826 (N.E. 167th Street) which curves south and becomes N.E. 163rd Street. Continue East to N.E. 19th Avenue. Turn left (north) on N.E. 19th Avenue. Continue north over the canal bridge and turn left (west) at N.E. 167th Street.

Note: Only major arteries are depicted and distances are compressed.