

2004

College of Medical Sciences Master of Biomedical Sciences (MBS) 2004

Nova Southeastern University

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M.B.S.

Master of Biomedical Sciences

**THE COLLEGE OF MEDICAL SCIENCES
HEALTH PROFESSIONS DIVISION**



MASTER OF BIOMEDICAL SCIENCES

The College of Medical Sciences joins the Colleges of Osteopathic Medicine, Pharmacy, Optometry, Allied Health, and Dental Medicine as one of the prime educational institutions in the Health Professions Division of Nova Southeastern University. The master's degree is offered to increase college graduates' opportunities and options in the science and health fields. Limited to graduates holding a bachelor's degree, the master's program may be used for any one of several purposes:

- to initiate a career in the basic medical sciences, either as a generalist, or ultimately, as a specialist or teacher in one of the science fields
- to supplement an undergraduate record with an enhanced science preparation in order to become eligible for admission to any of the health fields
- to enhance the student's possibilities of being accepted into a health professions college by demonstrating added competence in the required sciences

FACULTY

The College of Medical Sciences is staffed with 30 faculty members, all of whom possess Ph.D.s in their fields. Because of the small size of the master's degree program, there is an opportunity for small group instruction and for a close working relationship with an adviser and other members of the science faculty.

TUITION

Tuition for this program is \$24,325 for the 2004–2005 year. (Subject to change by the board of trustees without notice.)

DESCRIPTION OF PROGRAM CURRICULUM

All programs are designed for the individual student's needs, as agreed upon by the adviser and the dean. Required coursework for the first year consists mainly of basic science classes taught in the Health Professions Division such as anatomy, biochemistry, physiology, and microbiology. During a semester, students are required to complete at least nine semester hours; more may be assigned. The semester hour requirements in the second year are similar to the first year. The college reserves the right to vary these hours within reason. In addition, all students are required to earn at least four semester hours in a seminar.

The master of biomedical sciences degree takes at least four semesters to complete. A minimum of 40 credit hours is required for completion of the program. A time limit of five calendar years from the date of matriculation is placed on coursework to be credited to the degree. No more than 6 hours of the 40 hours required for the degree can be transferred from another institution. Only graduate courses with a grade of B or better, after approval by the student's advisory committee and the dean, will be accepted.



ADMISSION REQUIREMENTS

In order to be considered for admission into the master's degree program, the student must meet the following requirements:

- a bachelor's degree from a regionally accredited college or university
- completion of eight semester hours with a 2.0 grade point average in each of the following—general biology, general chemistry, organic chemistry, and general physics, all with laboratory
- a minimum cumulative GPA of 2.5 on a 4.0 scale
- scores from the Medical College Admission Test (MCAT), the Optometry Admission Test (OAT), the Pharmacy College Admission Test (PCAT), the Dental Admission Test (DAT), the Allied Health Professions Admission Test (AHPAT), or the Graduate Record Examination (GRE) (Scores may not be more than five years old.)

The dean of the College of Medical Sciences is empowered to evaluate the total qualifications of every student and to modify requirements in unusual circumstances.

It should be noted that many criteria, in addition to academic credentials, play a role in the admissions process to professional schools. While the biomedical sciences program does provide an opportunity for the student to demonstrate academic capability, it does not assure admission to any professional school. Admission to the graduate program or completion of courses will not guarantee admission to any other program of Nova Southeastern University.

APPLICATION PROCEDURES

Candidates for admission must submit

- a completed application form along with a \$50, nonrefundable application fee (We begin accepting applications January 1 and the application deadline is May 15.)
- official transcripts of all undergraduate, graduate, and professional coursework
- official scores from standardized tests such as the MCAT, OAT, PCAT, AHPAT, DAT, or GRE, not more than five years old
- one letter of recommendation from a preprofessional advisory committee, or if this does not exist, two letters may be substituted from instructors who can testify to the student's characteristics, integrity, application, and aptitude in science (If an applicant has been in the work world for a considerable period of time, two letters of recommendation from employers may be substituted.)

Upon receipt of the completed application and required credentials, the Committee on Admissions will select those applicants to be interviewed. All applicants who are eventually accepted into the program must be interviewed. An invitation to appear for an interview should not be construed by the applicant as evidence of acceptance.

The admissions process to the graduate program in biomedical sciences is not related in any way to the admission process of any other program at Nova Southeastern University.

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 documents and requirements must be received within 90 calendar days from the start of the term. If these final and official 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 admission requirements have been approved by the college/program admissions office.)

Completed application and all admission material must be sent to the NSU Enrollment Processing Services (EPS) at the address listed below.

NOVA SOUTHEASTERN UNIVERSITY
Enrollment Processing Services (EPS)
College of Medical Sciences
3301 College Avenue
P.O. Box 299000
Fort Lauderdale, Florida 33329-9905



COURSE OFFERINGS

| DEPARTMENTS | CREDIT HOURS |
|-------------|--------------|
|-------------|--------------|

Anatomy

| | | |
|----------|-----------------------------|-----|
| ANA 5713 | Histology | 4 |
| ANA 5714 | Medical Histology | 4 |
| ANA 5744 | Gross Anatomy | 5 |
| ANA 5723 | Neuroanatomy | 3 |
| ANA 5727 | Gross Anatomy | 7 |
| ANA 5500 | Neuroanatomy | 3 |
| ANA 6700 | Special Topics | 1-6 |

Biochemistry

| | | |
|----------|--------------------------------|-----|
| BCH 5716 | Medical Biochemistry | 6 |
| BCH 5730 | Biochemistry | 4 |
| BCH 6700 | Special Topics | 1-6 |

Microbiology

| | | |
|----------|--------------------------------|-----|
| MIC 5500 | Microbiology | 5 |
| MIC 5727 | Medical Microbiology | 7 |
| MIC 6700 | Special Topics | 1-6 |

Pathology

| | | |
|----------|-----------------------------|-----|
| PTH 5500 | General Pathology | 3 |
| PTH 6700 | Special Topics | 1-6 |

Pharmacology

| | | |
|----------|---------------------------|-----|
| PCO 5504 | Pharmacology I | 4 |
| PCO 5503 | Pharmacology II | 3 |
| PCO 6700 | Special Topics | 1-6 |

Physiology

| | | |
|----------|------------------------------|-----|
| PHS 5723 | Medical Physiology | 3 |
| PHS 5724 | Medical Physiology | 4 |
| PHS 5500 | Physiology | 4 |
| PHS 6700 | Special Topics | 1-6 |

Required Core Courses

| | | |
|-----------|--------------------------|-----|
| CMS 5702 | Seminar | 1-4 |
| COMS 6700 | Special Topics | 1-6 |

DESCRIPTION OF FACILITIES

The Health Professions Division occupies 21 acres and 900,000 square feet of space on the Nova Southeastern University campus in Fort Lauderdale. The Health Professions Division and its six colleges are based in a five-story administration building, with the upper floors consisting of the colleges' headquarters, division administration, and faculty offices. The first floor is student-related, with a large area devoted to the Office of Admissions and Student Affairs and an equally large area used for a cafeteria.

Just north of the administration building is the assembly building. This consists of a 500-seat auditorium; a 250-seat auditorium; and eight 126-seat, amphitheater-style classrooms. Connected to this is a three-story library/laboratory building. On the first floor is a 20,000-square-foot library with a 100-seat classroom devoted to cardiac teaching using HARVEY, a computerized heart-sound mannequin that duplicates the signs and symptoms of most normal and abnormal heart conditions. Patient simulation training rooms and a 50-station computer laboratory for student use are also on the first floor. The second and third floors house laboratories, a student lounge, and a research area.

Just north of the library/laboratory building is the medical services building with facilities for primary health care, rehabilitative services, and primary and secondary eye care. A three-story building houses the College of Dental Medicine's educational facilities and clinics. Just south of the dental building, the university has completed a building with a 300-seat auditorium and

study rooms for students. Behind these structures is a 1,600-vehicle parking garage, readily accessible to the university community.

Admission information and applications for the master's degree program may be obtained from the

Office of Admissions
Health Professions Division
Nova Southeastern University
3200 South University Drive
Fort Lauderdale, Florida 33328-2018

The telephone number is 800-356-0026, ext. 1101, or (954) 262-1101.



INFORMATION

Nova Southeastern University

Nova Southeastern University is a dynamic, not-for-profit, independent institution dedicated to providing high-quality educational programs of 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 by uniting faculty and students in acquiring and applying knowledge in clinical, community, and professional settings.

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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 school-administered programs. ■ 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.