College of Osteopathic Medicine

Graduate Programs

Nova Southeastern University | Health Professions Division | Entering Class 2016

| Public Health |
| Biomedical Informatics |
| Disaster and Emergency Preparedness |
| Medical Education |
| Nutrition |
| Social Medicine |
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 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.
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.
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
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
- Certificate in Social Medicine

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 (SLPD.)

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 Gero-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.osteopathic.nova.edu/master).
NOVA SOUTHEASTERN UNIVERSITY College of Osteopathic Medicine (NSU COM) is home to more than 459 graduate students and 145 faculty members and offers a unique combination of master’s degree programs in a Health Professions Division that provides unique cultural and intellectual opportunities. We hope you will get a feel for what it is like to succeed in our community of faculty members, many of whom have strong connections to the local and state health care systems. NSU COM programs prepare graduate students for distinguished careers in research and academics and as experts in both governmental and private organizations. NSU COM students are trained to assess information and trends in their fields, as well as submit original manuscripts for publication. Please review the offerings in this admissions brochure and meet with our distinguished faculty members to determine which curriculum is best aligned with your interests.

Elaine M. Wallace, D.O., M.S., M.S., M.S.
Dean, College of Osteopathic Medicine
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.

ACCRREDITATIONS
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.

Nova Southeastern University College of Osteopathic Medicine has been granted accreditation by the Commission on Osteopathic College Accreditation of the American Osteopathic Association, www.osteopathic.org. This body is recognized by the U.S. Department of Education as the accrediting agency for colleges educating osteopathic physicians and surgeons.


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.
PROGRAM INFORMATION

The M.P.H. Program offers a generalist Master of Public Health (M.P.H.) degree, which requires a minimum of 42 credit hours of study. This consists of 27 credit hours of required core courses, including a public health field experience (6 credit hours) and a minimum of 15 credit hours of public health elective courses. Coursework may be taken on a full-time or part-time basis. M.P.H. students are required to complete their course of study within five years of matriculation. A full-time student may be able to complete the requirements within two years. The M.P.H. degree may be completed on-site or online. Online courses have both synchronous and asynchronous components. The M.P.H. Program also offers a Spanish-language version of the online option. The curricula for these options are identical, although the modality of instruction for each one is different. On-site classes are offered in the evening, and are generally scheduled one evening per week. Up to 15 credit hours of online courses are allowable within the on-site option. A face-to-face orientation is required for both online and on-site students prior to matriculation into the program. Students must maintain a grade point average (GPA) of 3.0 to remain in good academic standing. The culminating experiences at the end of the program include a supervised field experience (with an oral evaluation) and a written comprehensive examination. Supervised field-based courses, projects, and research opportunities are available to students as part of their elective courses. Each student must successfully pass a written comprehensive examination to complete the course of study. There is also an annual capstone session for graduating students. It is held in May, just prior to commencement.

The schedule of course offerings and other pertinent information about the program are available on the program website (www.nova.edu/ph) through the Master of Public Health link.

EXIT OPPORTUNITIES

There is a need for public health professionals to address emerging and re-emerging diseases, environmental health concerns, health care reform, proliferation of agents and weapons of mass destruction, sociopolitical factors affecting this nation’s health and health care systems, and the expansion of health issues that are global in scope. Professionals with a Master of Public Health (M.P.H.) degree may hold positions of responsibility in a variety of settings. These include health care facilities, county and state health departments, social service agencies, health policy and planning organizations, colleges and universities, community-based health education and health promotion centers, nonprofit volunteer organizations, governmental and nongovernmental health agencies, and the corporate world.

The M.P.H. program at Nova Southeastern University College of Osteopathic Medicine provides a comprehensive, graduate-level program designed to prepare students to define, critically assess, and resolve public health problems. It emphasizes acquisition of knowledge and skills for promoting health, preventing disease, developing and evaluating programs, enhancing clinical practice, conducting research, and providing community service. The M.P.H. degree is a recognized degree for leadership in health care. The curriculum enhances understanding of the biological, social, environmental, demographic, and political factors that determine the health of the individual and the population. The program—offered on-site and online—is generalist in
nature. Students have the opportunity, through a number of elective courses, to enhance their knowledge and skills in a variety of public health disciplines. An M.P.H. degree also complements other health profession degrees and provides candidates with the highly sought-after skills necessary to respond to changes in the health care environment.

Upon matriculation, graduates may find professional opportunities in a variety of areas and settings. A 2013 report from Forbes magazine that accounted for Bureau of Labor Statistics’ employment projection data between 2010 and 2020 ranked a Master of Public Health degree as the sixth-best degree for employment, with a mid-career median salary of $84,100 (nationally) and projected employment opportunities increasing by 30.5 percent within the field by 2020.

**MISSION STATEMENT**

**Master of Public Health Program**

To improve the health of the population through education, research, and service, with an emphasis on multicultural and underserved populations.

**Program Goals**

- Education: to provide quality education in public health
- Research: to contribute to the discovery and application of knowledge in public health
- Service: to provide public health leadership and service in the community
# Public Health Curriculum Outline

## Core Courses (Required)

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## Elective Courses

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<td>PUH 5014</td>
<td>Principles and Practice of Clinical Trials</td>
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<td>PUH 5050</td>
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The M.P.H. Program evaluates the overall quality of applicants, including academic achievement, personal motivation, knowledge about the public health profession, health care and life experiences, and recommendations. Criteria for admission to the M.P.H. degree program are as follows:

- The applicant must hold a bachelor’s, master’s, or doctoral degree from a regionally accredited college or university.
- A cumulative grade point average (GPA) of 3.0 or above, on a 4.0 scale, is preferred.
- Public health- or health care-related experience is desirable, but not required.

If the applicant does not hold a health-related graduate or professional degree, he or she must supply evidence of having taken the GRE, PCAT, OAT, AHPAT, MCAT, DAT, GMAT, or LSAT. Applicants’ scores from these standardized tests must be no more than five years old.

Applicants with health-related graduate or professional degrees may be required to submit official test scores upon evaluation of their applications.

- Applicants enrolled in another area of study within Nova Southeastern University must be in good academic standing, must provide a letter of recommendation from the dean or program director of the other college or program, and must meet the M.P.H. admission requirements.
- All application materials must be received in a timely manner to enable the Office of Admissions and the admissions committee to process the application promptly.
The M.P.H. Program processes applications on a year-round basis. Applicants may apply for matriculation into any one of three semesters (fall, winter, or summer), and may contact the Office of Admissions at (954) 262-1101 or 877-640-0218, or access the M.P.H. program website (www.nova.edu/ph), for exact deadline and start dates. All application materials should be sent to

Nova Southeastern University
Enrollment Processing Services
College of Osteopathic Medicine, M.P.H. Admissions
3301 College Avenue, P.O. Box 299000
Fort Lauderdale, Florida 33329-9905

Applicants must provide the following:

1. a completed application, along with a $50, nonrefundable application fee (online application at www.nova.edu/ph/admissions/procedures.html)

2. official transcripts of all coursework attempted by the applicant at all colleges and universities

   It is the responsibility of the applicant to ensure that arrangements are made for all transcripts to be sent. A final transcript of all the applicant’s work up to the time of matriculation must be forwarded to the Office of Admissions prior to matriculation.

   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 102nd Avenue
     Miami, Florida 33173
     (305) 273-1616 • (305) 273-1338 fax
     info@jsilny.com • 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. official score of the GRE, PCAT, OAT, AHPAT, MCAT, DAT, GMAT, or LSAT standardized tests taken by the applicant (if the applicant does not hold a health-related graduate or professional degree)

   The applicant’s scores must be no more than five years old. Applicants with a health-related graduate or professional degree may be required to submit official test scores upon evaluation of their application
4. official scores from the Test of English as a Foreign Language (TOEFL) or International English Language Test System (IELTS), if applicable

Any applicant who has graduated from a college or university in another country where English is not the primary language, regardless of United States residency status, must obtain a minimum score of 550 on the written, 213 on the computerized, or 79–80 on the Internet-based TOEFL or a score of 6.0 on the IELTS. An official set of scores must be sent directly from the testing service to NSU’s EPS.

5. two letters of recommendation—one from a health professional and one from an individual (other than a relative) such as an academic adviser, professor, coworker, or supervisor who is familiar with the applicant’s character, scholastic aptitude, and work ethic

Upon receipt of the completed application and required materials, the Committee on Admissions will review the application and make recommendations to the program director. The committee may request a phone interview to gather additional information before a recommendation is submitted. The director submits recommendations on admission to the dean. The final decision on admission is made by the dean of the NSU College of Osteopathic Medicine.

Public Health Transfer of Credits

Applicants or matriculated students of the NSU COM M.P.H. Program may petition for transfer of a maximum of 12 semester hours of elective or core courses toward their M.P.H. degree from a regionally accredited graduate program. Any core courses to be transferred must have been taken at a program, school, or college accredited by the Council on Education for Public Health (CEPH).

While enrolled in the M.P.H. Program, any courses taken at another academic program or institution that the student desires to transfer credit to the NSU COM M.P.H. degree program from, must have prior approval by the program director.

All courses considered for transfer into the program must have been successfully completed with a grade of B or better and must not have been applied to another awarded degree. Transfer course grades are not calculated toward the student’s grade point average.

The applicant must submit a written request to the program director, along with the appropriate verification of documents (e.g., official transcripts, syllabi, and catalogs). The Curriculum Committee will review the documents provided for all applications for transfer of credits and will submit recommendations to the program director, who makes the final decision. The program does not give course credits for prior work experience.
A nondegree-seeking student is one who wishes to take courses in the graduate-level public health program up to a limit of 12 credit hours, but does not intend to pursue the M.P.H. degree. The non-degree-seeking student must provide the following admission requirements in order to take classes in the M.P.H. Program.

- completed application form
- official transcripts
- nonrefundable application fee of $50
- one letter of recommendation (academic)

Undergraduate students must have a minimum cumulative GPA of 3.0, with at least 90 semester hours of coursework (30 of which are upper-level courses), with an official transcript showing this coursework.

An application for nondegree status by a student holding a bachelor’s degree or higher will be considered by the admissions committee, after a review of the required records.

If, after taking classes in the Master of Public Health program, a non-degree-seeking student decides to pursue the M.P.H. degree, the student must submit a new and complete application to the program to become a degree-seeking student and must meet all the requirements for admission to the M.P.H. program. Previous coursework taken as a nondegree-seeking student does not guarantee acceptance into the M.P.H. degree-seeking program. Graduate students from other NSU programs who elect to take public health courses may do so with written approval of the public health program director.

The university reserves the right to modify any requirements on an individual basis as deemed necessary by the dean of the College of Osteopathic Medicine.

The college reserves the right to require the student’s withdrawal any time the college deems it necessary to safeguard its standards of scholarship, conduct, and compliance with the regulations, or for such other reasons as deemed appropriate. The student, by his or her act of matriculation, concedes the college this right.
GRADUATE CERTIFICATE IN PUBLIC HEALTH
The Graduate Certificate in Public Health is designed to enable students to acquire the core knowledge that applies to the fundamental principles and practice of public health. This competency-based program consists of 15 credit hours of core graduate-level public health courses presented using online technology. Each course must be successfully completed with a grade of B or better to be eligible for the certificate. The certificate will be presented to students after all curriculum requirements are successfully met and a capstone session is successfully completed. If, after taking classes in the M.P.H. program, a certificate-seeking student decides to pursue the M.P.H. degree, the student must submit a new and complete application to the program to become a degree-seeking student, and must meet all the requirements for admission to the M.P.H. degree program. Previous coursework taken as a nondegree-seeking student does not guarantee acceptance into the M.P.H. degree-seeking program, but may be transferable if performance equals or exceeds the grade of B in each course.

Curriculum (15 credits)

Epidemiology ................. 3 credit hours
Biostatistics .................. 3 credit hours
Environmental and Occupational Health ............... 3 credit hours
Health Policy, Planning, and Management ............. 3 credit hours
Social and Behavioral Sciences Applied to Health ........ 3 credit hours

GRADUATE CERTIFICATE IN HEALTH EDUCATION
The Graduate Certificate in Health Education is designed to enable the student to learn the fundamental principles, concepts, and skills applied to health education, health promotion, and disease prevention at the graduate level. This competency-based graduate certificate program consists of 15 credit hours of graduate-level public health courses presented using online technology. The competencies defined in this program are selected from competencies of the National Commission for Health Education Credentials (NCHEC) and are defined in the course syllabi. Each course must be successfully completed with a grade of B or better to be eligible for the certificate. The certificate will be presented to the student after all program requirements are successfully met and a capstone session is successfully completed. A student who wishes to pursue the Certified Health Education Specialists National Certification (CHES) may take 10 additional credit hours of recommended course-work to meet the 25 credit hours and additional competencies required to be eligible for the national certification examination.

Curriculum (15 credits)

Principles of Health Education ........ 3 credit hours
Health Promotion and Disease Prevention ........ 3 credit hours
Public Health Program Planning and Evaluation ........ 3 credit hours
Public Health Communication ........ 3 credit hours
Research Methods in Public Health ........ 3 credit hours
GRADUATE CERTIFICATE
ADMISSIONS REQUIREMENTS

• bachelor’s degree or higher from a regionally accredited college or university
• official transcripts
• completed application form (www.nova.edu/ph)
• nonrefundable application fee of $50
• one letter of recommendation (professional)
• undergrad GPA of 3.0 or above on a 4.0 scale (preferred)

Applicants may apply for matriculation into any one of three semesters (fall, winter, or summer). Deadlines for applying are July 1 for the fall semester, November 1 for the winter semester, and April 1 for the summer semester.

The admissions committee of the NSU COM M.P.H. Program will review all applications to this program and make recommendations to the program director and, subsequently, the dean of the college.

TUITION AND FEES

Tuition for the M.P.H. Degree Program for 2015–2016 is $575 per credit hour. Tuition for 2016–2017 will subsequently be posted on our Web site (www.nova.edu/ph). 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.

Tuition for the Public Health Graduate Certificate Programs for 2015–2016 is $575 per credit hour. Tuition for 2016–2017 will subsequently be posted on our website (www.nova.edu/ph). Corporate or institutional cluster students may receive a tuition discount. An NSU student services fee of $1,050 is required annually. All tuition and fees are subject to change by the board of trustees without notice.

EXPENSES AND FINANCIAL AID

Students pursuing the M.P.H. degree should anticipate spending approximately $3,100 per year for books and supplies, as well as $17,647 (on campus) and $22,212 (off campus) per year for living expenses.

The Office of Student Financial Assistance at Nova Southeastern University is there to help as many qualified students as possible to complete their educational pursuit. Various loans, scholarships, and grants are available to qualified students to help ease the high cost of education. These financial assistance programs are described on our website (www.nova.edu/financialaid).
Nova Southeastern University (NSU) College of Osteopathic Medicine, in collaboration with the NSU College of Engineering and Computing, offers a program leading to the degree of Master of Science in Biomedical Informatics (M.S.B.I.). The program trains future leaders in the development, dissemination, and evaluation of information technology as it relates to the health care environment, which includes hospitals, health care delivery systems, health information technology system vendors, ehealth companies, insurers, pharmaceutical companies, and academic institutions. This innovative distance program uses both online and on-site formats to enable working professionals to earn a master’s degree in biomedical informatics without career disruption. The program is offered via Nova Southeastern University’s state-of-the-art, web-based, distance-learning technology.

The current health care system is facing uncontrolled health care costs, compromised patient safety, and a lack of utilization of information technology applications that have the potential to improve the situation. The integrative discipline of biomedical informatics arises from the synergistic application of computational, informational, cognitive, organizational, and other sciences whose primary focus is the acquisition, storage, and use of information in the health/biomedical domain.

Electronic Campus
The Biomedical Informatics Program is a participant of the Electronic Campus program of the Southern Regional Education Board (SREB). The SREB certifies that the online programs and courses it approves for this program are in full compliance with its comprehensive set of Principles of Good Practice.

The Biomedical Informatics Program at NSU is a partner of the American Medical Informatics Association’s 10x10 program. Visit http://www.amia.org/education/10x10-courses for more information.
People who have a degree in biomedical informatics have a great variety of career opportunities. The type of informatics job that an individual can perform is, to some extent, dependent on his or her background. People with health care backgrounds (e.g., medicine or nursing) are more likely to use their informatics expertise in roles such as a chief medical officer or a nursing information officer. People who do not have health care backgrounds are more likely to work in the variety of other jobs that are widely available.

**People with biomedical informatics backgrounds may become**
- chief medical information officers (CMIOS)
- chief medical officers (CMOS)
- chief information officers (CIOS)
- directors of medical informatics
- chief nursing information officers (CNIOS)
- project managers
- implementation specialists
- project designers
- researchers
- programmers
- clinical systems analysts
- health information technology (HIT) educators and trainers
- HIT consultants
- template writers
- nursing informatics specialists
- account representatives

**They can work in**
- hospitals and health systems
- community health centers
- physician practices and clinics
- health care agencies within federal and state governments
- health information technology system vendors
- ehealth companies
- health insurance companies
- pharmaceutical companies
- academic institutions
- consulting services

Please visit our website at [www.nova.edu/msbi](http://www.nova.edu/msbi) for more information.
Students are required to complete 43 credit hours for the M.S.B.I. degree.

### REQUIRED COURSES—31 CREDIT HOURS REQUIRED

<table>
<thead>
<tr>
<th>COURSE #</th>
<th>COURSE TITLE</th>
<th>CREDIT HOURS</th>
</tr>
</thead>
<tbody>
<tr>
<td>MI 5120</td>
<td>Management Information Systems in Health Care</td>
<td>3</td>
</tr>
<tr>
<td>MI 5121</td>
<td>Information Systems Project Management in Health Care</td>
<td>3</td>
</tr>
<tr>
<td>MI 5130</td>
<td>Database Systems in Health Care</td>
<td>3</td>
</tr>
<tr>
<td>MI 5152</td>
<td>Information Security in Health Care</td>
<td>3</td>
</tr>
<tr>
<td>MI 5160</td>
<td>System Analysis and Design for Health Care</td>
<td>3</td>
</tr>
<tr>
<td>MI 5200</td>
<td>Survey of Medical Informatics</td>
<td>3</td>
</tr>
<tr>
<td>MI 5204</td>
<td>Clinical Decision Support Systems</td>
<td>3</td>
</tr>
<tr>
<td>MI 5205</td>
<td>Program Evaluation in Health Information Technology</td>
<td>3</td>
</tr>
<tr>
<td>MI 5401</td>
<td>Managing Organizational Behavior for Medical Informatics</td>
<td>3</td>
</tr>
<tr>
<td>MI 7000</td>
<td>Health Informatics Practicum</td>
<td>4</td>
</tr>
</tbody>
</table>

**Subtotal** .......................................................... 31

### ADDITIONAL REQUIRED COURSES

These courses will be required for students who do not have sufficient health care background or computer science knowledge.

<table>
<thead>
<tr>
<th>COURSE #</th>
<th>COURSE TITLE</th>
<th>CREDIT HOURS</th>
</tr>
</thead>
<tbody>
<tr>
<td>MI 4201</td>
<td>Medical Terminology</td>
<td>3</td>
</tr>
<tr>
<td>MI 4202</td>
<td>Health Care Organization and Administration</td>
<td>3</td>
</tr>
<tr>
<td>MI 4203</td>
<td>Introduction to Information and Communication Technologies in Health Care</td>
<td>3</td>
</tr>
</tbody>
</table>

### ELECTIVES—12 CREDIT HOURS REQUIRED

Students may take any of the following electives toward degree completion.

<table>
<thead>
<tr>
<th>COURSE #</th>
<th>COURSE TITLE</th>
<th>CREDIT HOURS</th>
</tr>
</thead>
<tbody>
<tr>
<td>MI 5153</td>
<td>Telecommunications and Computer Networking in Health Care</td>
<td>3</td>
</tr>
<tr>
<td>MI 5180</td>
<td>Human-Computer Interaction in Health Care Settings</td>
<td>3</td>
</tr>
<tr>
<td>MI 6401</td>
<td>Biostatistics</td>
<td>3</td>
</tr>
<tr>
<td>MI 6403</td>
<td>Epidemiology</td>
<td>3</td>
</tr>
<tr>
<td>MI 6404</td>
<td>Special Topics in Health Informatics</td>
<td>3</td>
</tr>
<tr>
<td>MI 6405</td>
<td>Public Health Informatics</td>
<td>3</td>
</tr>
<tr>
<td>MI 6407</td>
<td>Grant Writing</td>
<td>3</td>
</tr>
<tr>
<td>MI 6408</td>
<td>Health Policy, Planning, and Management</td>
<td>3</td>
</tr>
<tr>
<td>MI 6409</td>
<td>Health Services Planning and Evaluation</td>
<td>3</td>
</tr>
<tr>
<td>MI 6410</td>
<td>Consumer Health Informatics</td>
<td>3</td>
</tr>
<tr>
<td>MI 6411</td>
<td>Health Information Technology Acquisition and Assessment</td>
<td>3</td>
</tr>
<tr>
<td>MI 6412</td>
<td>Leadership in Health Information Technology</td>
<td>3</td>
</tr>
<tr>
<td>MI 6413</td>
<td>Lean Six Sigma Yellow Belt for Health Care</td>
<td>3</td>
</tr>
<tr>
<td>MI 6414</td>
<td>Basic Skills for Clinical Analysts</td>
<td>3</td>
</tr>
<tr>
<td>MI 6415</td>
<td>Information Technologies in Medicine and Telehealth</td>
<td>3</td>
</tr>
<tr>
<td>MI 6416</td>
<td>Lean Six Sigma Green Belt for Health Care</td>
<td>3</td>
</tr>
<tr>
<td>MI 6417</td>
<td>Meaningful Use of Electronic Health Record Systems—A NextGen Approach</td>
<td>3</td>
</tr>
<tr>
<td>MI 6418</td>
<td>App Development for Health Information Technology Projects</td>
<td>3</td>
</tr>
<tr>
<td>MI 6420</td>
<td>Medical Image Processing and Analysis</td>
<td>3</td>
</tr>
<tr>
<td>MI 6421</td>
<td>Geographical Information Systems: Fundamentals for Health Care</td>
<td>3</td>
</tr>
<tr>
<td>MI 6422</td>
<td>Workflows and Process Improvement in Health Care Settings</td>
<td>3</td>
</tr>
<tr>
<td>MI 6423</td>
<td>Maximizing Talents in the Health Technology Workforce</td>
<td>3</td>
</tr>
</tbody>
</table>
The Biomedical Informatics Program evaluates the overall quality of its applicants, including academic achievement, personal motivation, knowledge about health care, life experience, and recommendations. Priority will be given to individuals holding a degree in the health professions or computer information sciences. Criteria for admissions are as follows:

- bachelor’s, master’s, or doctoral degree from a regionally accredited college or university
- cumulative grade point average of 3.0 or above on a 4.0 scale (preferred)
- health professions degree (desirable, but not required)
- demonstrated background in biomedical sciences by credentials or work experience
- demonstrated competency in the use of computers by credentials or work experience
- demonstrated ability to clearly express oneself in writing

Applicants without prior health care or computer science degrees/experience are encouraged to email the program’s admissions counselor at msbi@nova.edu or call 800-356-0026, ext. 21032, for more information on additional required courses.

The Biomedical Informatics Program at NSU is a member of the American Medical Informatics Association’s Academic Forum. Visit www.amia.org/programs/academic-forum for more information.

The Biomedical Informatics Program at NSU is a member of the Health Information Management Systems Society’s Academic Organizational Affiliate Program. Visit www.himss.org/membership/organizational-affiliate/academic for more information.
The Office of Admissions processes applications on a year-round basis. Applicants may apply for matriculation into any one of the three semesters (fall, winter, summer).

All application materials should be sent to

Nova Southeastern University
Enrollment Processing Services (EPS)
College of Osteopathic Medicine, M.S.B.I. Admissions
3301 College Avenue, P.O. Box 299000
Fort Lauderdale, Florida 33329-9905

All of the following must be completed and submitted for an application to be considered by the Committee on Admissions.

1. a completed application, along with $50, nonrefundable application fee (online applications available at www.nova.edu/msbi)

2. official transcripts of all coursework attempted by the applicant at all colleges and universities

   It is the responsibility of the applicant to ensure that arrangements are made for all transcripts to be sent. A final transcript of all of the applicant’s work up to the time of matriculation must be forwarded to the Office of Admissions prior to matriculation.

   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 on this page. Other agencies that can complete this evaluation can be found at www.nova.edu/internationalstudents/prospective/credentialservices.html.

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 and Associates, Inc.
7101 SW 102nd Avenue
Miami, Florida 33173
(305) 273-1616 • (305) 273-1338 (fax)
info@silny.com • 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. one letter of recommendation from supervisors or co-workers who are familiar with the applicant’s character, scholastic aptitude, and work ethic (letter should be on letterhead and include contact information and a signature)

Applicants whose native language is not English are required to demonstrate English proficiency. The standardized tests listed below currently satisfy the university’s English requirement for nonnative English speakers.

   • Test of English as a Foreign Language (TOEFL): score of 213 on the computer-based test or 79–80 on the Internet-based test
   • International English Language Testing System (IELTS): score of 6.0 on the test module
   • GMAT: score of 450
• GRE: score of 1,000 (old format) or 306 (new format)

• Scholastic Assessment Test (SAT): score of at least 500 in the reading section

• American College Test (ACT): score of at least 20 on the verbal section

Test results must be sent directly from the testing agency to the center where you applied. Proof of English language competency can also be in the form of successful completion of a degree at an approved U.S. institution of higher education.

The program may require additional documentation to support the application. All application material must be received in a timely manner to enable the Office of Admissions and the admissions committee to process the application promptly. Upon review, you will be contacted by the program director.

Should you have any questions, please email msbi@nova.edu or call 800-356-0026, ext. 21032.

Please visit our website at www.nova.edu/msbi for detailed application procedures.

**BIOMEDICAL INFORMATICS NONDEGREE-SEEKING STUDENTS**

A nondegree-seeking student is one who wishes to take courses in the Biomedical Informatics Program, but does not intend to pursue the master's degree at the time of application. The nondegree-seeking student must provide the following admissions requirements in order to take classes in the program:

• completed online application form

• nonrefundable application fee of $50

• official transcripts of all undergraduate, graduate, and professional education

Nondegree-seeking students are not guaranteed future acceptance into the Master of Science in Biomedical Informatics program. If, after taking classes in the program as a nondegree-seeking student, the student wishes to become a degree-seeking student, he or she must apply to the master's degree program as a new student and meet all the requirements for admission. If accepted into the degree program, credits for courses with the prefix MI taken as a nondegree-seeking student will be automatically applied toward the degree.
The Graduate Certificate in Public Health Informatics (PHI) is designed to enable students to acquire the core knowledge that applies to the fundamentals, principles, and practice of public health informatics. This certificate option consists of 18 credit hours of graduate-level courses, offered both on-site and online, using NSU’s state-of-the-art online learning technology.

If, after taking courses in the certificate program, a certificate-seeking student decides to pursue the Master of Science in Biomedical Informatics (M.S.B.I.) degree, the student must submit a new and complete application to become a degree-seeking student and must meet all requirements for admission to the M.S. in Biomedical Informatics degree program. Previous coursework taken as a certificate-seeking student does not guarantee acceptance into the Master of Science in Biomedical Informatics degree-seeking program. If accepted into the degree program, credits with the prefix MI taken as a certificate-seeking student will be automatically applied toward the degree.

For more information, please visit our website (www.nova.edu/msbi).
18 credit hours are required to complete the certificate.

**STUDENTS MUST SUCCESSFULLY COMPLETE THE FOLLOWING COURSES:**

<table>
<thead>
<tr>
<th>COURSE #</th>
<th>COURSE TITLE</th>
<th>CREDIT HOURS</th>
</tr>
</thead>
<tbody>
<tr>
<td>MI 5200</td>
<td>Survey of Medical Informatics</td>
<td>3</td>
</tr>
<tr>
<td>MI 5204</td>
<td>Clinical Decision Support Systems</td>
<td>3</td>
</tr>
<tr>
<td>MI 6405</td>
<td>Public Health Informatics</td>
<td>3</td>
</tr>
<tr>
<td>MI 5120</td>
<td>Management Information Systems in Health Care</td>
<td>3</td>
</tr>
</tbody>
</table>

**STUDENTS MUST ALSO SUCCESSFULLY COMPLETE ANY TWO OF THE FOLLOWING COURSES:**

<table>
<thead>
<tr>
<th>COURSE #</th>
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</tr>
</thead>
<tbody>
<tr>
<td>MI 5121</td>
<td>Information Systems Project Management in Health Care</td>
<td>3</td>
</tr>
<tr>
<td>MI 5130</td>
<td>Database Systems in Health Care</td>
<td>3</td>
</tr>
<tr>
<td>MI 5152</td>
<td>Information Security in Health Care</td>
<td>3</td>
</tr>
<tr>
<td>MI 5153</td>
<td>Telecommunications and Computer Networking in Health Care</td>
<td>3</td>
</tr>
<tr>
<td>MI 5160</td>
<td>Systems Analysis and Design for Health Care</td>
<td>3</td>
</tr>
<tr>
<td>MI 5180</td>
<td>Human-Computer Interaction in Health Care Settings</td>
<td>3</td>
</tr>
<tr>
<td>MI 5205</td>
<td>Program Evaluations in Health Information Technology</td>
<td>3</td>
</tr>
<tr>
<td>MI 5401</td>
<td>Managing Organizational Behavior for Medical Informatics</td>
<td>3</td>
</tr>
<tr>
<td>MI 6407</td>
<td>Grant Writing</td>
<td>3</td>
</tr>
<tr>
<td>MI 6410</td>
<td>Consumer Health Informatics</td>
<td>3</td>
</tr>
<tr>
<td>MI 6411</td>
<td>Health Information Technology Acquisition and Assessment</td>
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<td>MI 6412</td>
<td>Leadership in Health Information Technology</td>
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<td>MI 6413</td>
<td>Lean Six Sigma Yellow Belt for Health Care</td>
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<tr>
<td>MI 6414</td>
<td>Basic Skills for Clinical Analysts</td>
<td>3</td>
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<tr>
<td>MI 6415</td>
<td>Information Technologies in Medicine and Telehealth</td>
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<tr>
<td>MI 6416</td>
<td>Lean Six Sigma Green Belt for Health Care</td>
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<td>MI 6417</td>
<td>Meaningful Use of Electronic Health Record Systems—A NextGen Approach</td>
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<tr>
<td>MI 6418</td>
<td>App Development for Health Information Technology Projects</td>
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</tr>
<tr>
<td>MI 6420</td>
<td>Medical Image Processing and Analysis</td>
<td>3</td>
</tr>
<tr>
<td>MI 6421</td>
<td>Geographical Information Systems: Fundamentals for Health Care</td>
<td>3</td>
</tr>
<tr>
<td>MI 6422</td>
<td>Workflows and Process Improvement in Health Care Settings</td>
<td>3</td>
</tr>
<tr>
<td>MI 6423</td>
<td>Maximizing Talents in Health Technology Workforce</td>
<td>3</td>
</tr>
</tbody>
</table>
The Graduate Certificate in Medical Informatics is designed to enable students to acquire the core knowledge that applies to the fundamentals, principles, and practice of medical informatics. This certificate option consists of 18 credit hours of graduate-level courses.

If, after taking courses in the certificate program, a certificate-seeking student decides to pursue the Master of Science in Biomedical Informatics (M.S.B.I.) degree, the student must submit a new and complete application to become a degree-seeking student and must meet all requirements for admission to the M.S. in Biomedical Informatics program. Previous coursework taken as a certificate-seeking student does not guarantee acceptance into the Master of Science in Biomedical Informatics degree-seeking program. If accepted into the degree program, credits with the prefix MI taken as a certificate-seeking student will be automatically applied toward the degree.

For more information, please visit our website (www.nova.edu/msbi).
18 credit hours are required to complete the certificate.

**STUDENTS MUST SUCCESSFULLY COMPLETE THE FOLLOWING COURSES:**

<table>
<thead>
<tr>
<th>COURSE #</th>
<th>COURSE TITLE</th>
<th>CREDIT HOURS</th>
</tr>
</thead>
<tbody>
<tr>
<td>MI 5200</td>
<td>Survey of Medical Informatics</td>
<td>3</td>
</tr>
<tr>
<td>MI 5204</td>
<td>Clinical Decision Support Systems</td>
<td>3</td>
</tr>
<tr>
<td>MI 5120</td>
<td>Management Information Systems in Health Care</td>
<td>3</td>
</tr>
<tr>
<td>MI 5130</td>
<td>Database Systems in Health Care</td>
<td>3</td>
</tr>
</tbody>
</table>

**STUDENTS MUST ALSO SUCCESSFULLY COMPLETE ANY TWO OF THE FOLLOWING COURSES:**

<table>
<thead>
<tr>
<th>COURSE #</th>
<th>COURSE TITLE</th>
<th>CREDIT HOURS</th>
</tr>
</thead>
<tbody>
<tr>
<td>MI 5121</td>
<td>Information Systems Project Management in Health Care</td>
<td>3</td>
</tr>
<tr>
<td>MI 5152</td>
<td>Information Security in Health Care</td>
<td>3</td>
</tr>
<tr>
<td>MI 5153</td>
<td>Telecommunications and Computer Networking in Health Care</td>
<td>3</td>
</tr>
<tr>
<td>MI 5160</td>
<td>Systems Analysis and Design for Health Care</td>
<td>3</td>
</tr>
<tr>
<td>MI 5180</td>
<td>Human-Computer Interaction in Health Care Settings</td>
<td>3</td>
</tr>
<tr>
<td>MI 5205</td>
<td>Program Evaluations in Health Information Technology</td>
<td>3</td>
</tr>
<tr>
<td>MI 5401</td>
<td>Managing Organizational Behavior for Medical Informatics</td>
<td>3</td>
</tr>
<tr>
<td>MI 6405</td>
<td>Public Health Informatics</td>
<td>3</td>
</tr>
<tr>
<td>MI 6407</td>
<td>Grant Writing</td>
<td>3</td>
</tr>
<tr>
<td>MI 6410</td>
<td>Consumer Health Informatics</td>
<td>3</td>
</tr>
<tr>
<td>MI 6411</td>
<td>Health Information Technology Acquisition and Assessment</td>
<td>3</td>
</tr>
<tr>
<td>MI 6412</td>
<td>Leadership in Health Information Technology</td>
<td>3</td>
</tr>
<tr>
<td>MI 6413</td>
<td>Lean Six Sigma Yellow Belt for Health Care</td>
<td>3</td>
</tr>
<tr>
<td>MI 6414</td>
<td>Basic Skills for Clinical Analysts</td>
<td>3</td>
</tr>
<tr>
<td>MI 6415</td>
<td>Information Technologies in Medicine and Telehealth</td>
<td>3</td>
</tr>
<tr>
<td>MI 6416</td>
<td>Lean Six Sigma Green Belt for Health Care</td>
<td>3</td>
</tr>
<tr>
<td>MI 6417</td>
<td>Meaningful Use of Electronic Health Record Systems—A NextGen Approach</td>
<td>3</td>
</tr>
<tr>
<td>MI 6418</td>
<td>App Development for Health Information Technology Projects</td>
<td>3</td>
</tr>
<tr>
<td>MI 6420</td>
<td>Medical Image Processing and Analysis</td>
<td>3</td>
</tr>
<tr>
<td>MI 6421</td>
<td>Geographical Information Systems: Fundamentals for Health Care</td>
<td>3</td>
</tr>
<tr>
<td>MI 6422</td>
<td>Workflows and Process Improvement in Health Care Settings</td>
<td>3</td>
</tr>
<tr>
<td>MI 6423</td>
<td>Maximizing Talents in Health Technology Workforce</td>
<td>3</td>
</tr>
</tbody>
</table>

Information about occupations related to these certificate programs, program costs, and length of the programs can be found at [www.medicine.nova.edu/msbi/publichealth.html](http://www.medicine.nova.edu/msbi/publichealth.html) and [www.medicine.nova.edu/msbi/medicalinformatics.html](http://www.medicine.nova.edu/msbi/medicalinformatics.html).

The Biomedical Informatics Program also offers an M.S.N. degree with a concentration in nursing informatics. Information on that program can be found by visiting the website ([www.medicine.nova.edu/msbi/nursinginformatics.html](http://www.medicine.nova.edu/msbi/nursinginformatics.html)).
**BIOMEDICAL INFORMATICS PROGRAM**

Tuition for 2015–2016 is $670 per credit hour. Tuition for 2016–2017 will subsequently be posted on our website (www.nova.edu/msbi). 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 for degree- and nondegree-seeking students. All tuition and fees are subject to change by the board of trustees without notice.

**INFORMATICS CERTIFICATES**

Tuition for 2015–2016 is $670 per credit hour. Tuition for 2016–2017 will subsequently be posted on our website (www.nova.edu/msbi). 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 for degree- and nondegree-seeking students. All tuition and fees are subject to change by the board of trustees without notice.
As society continues to expand, individuals are faced with new and unknown threats, and more people are living in areas prone to disaster (such as floodplains or along fault lines), putting more of the world’s population at risk. According to scientists, natural disasters are predicted to increase not only in number, but in severity. This complexity, frequency, and severity of both man-made and natural disasters makes the job of the emergency manager not only more difficult, but also more important. The need for professionals who can manage these large and complex incidents has become more important than ever before and companies and governments looking to mitigate and reduce the costs and damages to humanity, the environment, and property are actively seeking qualified individuals in this area.
The interprofessional program trains future leaders in the field of emergency management and is designed to provide students with the theoretical knowledge and applied skills needed to work in this rapidly growing field. Graduates will have developed skills in leadership and management, as well as disaster and emergency management. This will enable them to build a core understanding of critical issues in the field, preparing them for both government and private sectors at the local and global levels. The program content, offered in an online format, will enable working professionals to earn their degrees while continuing to work. The program of study will include an on-site meeting at the beginning of the students’ enrollment. An additional on-site meeting will be coordinated near the program’s conclusion to allow students to present their selected Concentration practicum project and have it evaluated. (This requirement may be adapted based on an applicant’s circumstances.) The degree will allow students from a variety of disciplines to specialize in one of several concentrations, which is why a community research practicum at the local, state, federal, or international level will be a key component of the program. The six degree concentrations offered are maritime safety and security, cyber security, criminal justice, public health, fire administration, and environmental hazards. Students can also choose not to specialize.

Please visit our website at www.osteopathic.nova.edu/msdep for more information.
## CURRICULUM (36 Credit Hours)

### CORE (15 Credit Hours)

**Required Courses—9 Credit Hours**

<table>
<thead>
<tr>
<th>COURSE #</th>
<th>COURSE TITLE</th>
<th>CREDIT HOURS</th>
</tr>
</thead>
<tbody>
<tr>
<td>DEP 5001</td>
<td>Biostatistics</td>
<td>3</td>
</tr>
<tr>
<td>DEP 5050</td>
<td>Introduction to Disaster and Emergency Preparedness</td>
<td>3</td>
</tr>
<tr>
<td>DEP 6010</td>
<td>Practicum in Selected Concentration</td>
<td>3</td>
</tr>
</tbody>
</table>

**Management and Leadership Cluster—3 Credit Hours (choose one course)**

<table>
<thead>
<tr>
<th>COURSE #</th>
<th>COURSE TITLE</th>
<th>CREDIT HOURS</th>
</tr>
</thead>
<tbody>
<tr>
<td>DEP 5010</td>
<td>Leadership and Organizational Behavior for Emergency Preparedness</td>
<td>3</td>
</tr>
<tr>
<td>DEP 5020</td>
<td>Preparedness, Planning, Mitigation, and Continuity Management</td>
<td>3</td>
</tr>
<tr>
<td>DEP 5030</td>
<td>Executive Leadership and Administration</td>
<td>3</td>
</tr>
<tr>
<td>DEP 5040</td>
<td>Security Management in a Global Society</td>
<td>3</td>
</tr>
</tbody>
</table>

**Threats, Hazards, and Impacts Cluster—3 Credit Hours (choose one course)**

<table>
<thead>
<tr>
<th>COURSE #</th>
<th>COURSE TITLE</th>
<th>CREDIT HOURS</th>
</tr>
</thead>
<tbody>
<tr>
<td>DEP 5060</td>
<td>Environmental Hazards in Emergency Preparedness</td>
<td>3</td>
</tr>
<tr>
<td>DEP 5070</td>
<td>Risk Assessment and Mitigation</td>
<td>3</td>
</tr>
<tr>
<td>DEP 5080</td>
<td>Agroterrorism and Food System Disasters</td>
<td>3</td>
</tr>
<tr>
<td>DEP 5090</td>
<td>Weapons of Mass Threat and Communicable Diseases</td>
<td>3</td>
</tr>
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</table>

### ELECTIVES (21 Credit Hours)

**General Electives**

<table>
<thead>
<tr>
<th>COURSE #</th>
<th>COURSE TITLE</th>
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</thead>
<tbody>
<tr>
<td>DEP 6110</td>
<td>Community and Vulnerability Assessment</td>
<td>3</td>
</tr>
<tr>
<td>DEP 6120</td>
<td>Psychosocial Dimensions of Disaster</td>
<td>3</td>
</tr>
<tr>
<td>DEP 6130</td>
<td>Risk and Crisis Communications</td>
<td>3</td>
</tr>
<tr>
<td>DEP 6150</td>
<td>Grant Writing for Emergency Preparedness</td>
<td>3</td>
</tr>
<tr>
<td>DEP 6160</td>
<td>Leadership Topics in Disaster and Emergency Preparedness</td>
<td>3</td>
</tr>
<tr>
<td>DEP 6170</td>
<td>Elective Practicum</td>
<td>3</td>
</tr>
<tr>
<td>DEP 6180</td>
<td>Exercise Design</td>
<td>3</td>
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</tbody>
</table>

**Maritime Safety Concentration Electives—12 Credit Hours (required for a concentration)**

<table>
<thead>
<tr>
<th>COURSE #</th>
<th>COURSE TITLE</th>
<th>CREDIT HOURS</th>
</tr>
</thead>
<tbody>
<tr>
<td>DEP 6210</td>
<td>Introduction to Maritime Safety</td>
<td>3</td>
</tr>
<tr>
<td>DEP 6220</td>
<td>Maritime Safety and Security Leadership</td>
<td>3</td>
</tr>
<tr>
<td>DEP 6230</td>
<td>Maritime Safety for the Cruise and Yachting Industries</td>
<td>3</td>
</tr>
<tr>
<td>DEP 6240</td>
<td>Concepts in Shipboard Safety Management</td>
<td>3</td>
</tr>
<tr>
<td>DEP 6250</td>
<td>History of Maritime Disasters</td>
<td>3</td>
</tr>
<tr>
<td>DEP 6260</td>
<td>Maritime Environmental Responsibilities</td>
<td>3</td>
</tr>
</tbody>
</table>
**Cyber Security Concentration Electives*—12 Credit Hours (required for a concentration)**

<table>
<thead>
<tr>
<th>COURSE #</th>
<th>COURSE TITLE</th>
<th>CREDIT HOURS</th>
</tr>
</thead>
<tbody>
<tr>
<td>MMIS 653</td>
<td>Telecommunications and Computer Networking</td>
<td>3</td>
</tr>
<tr>
<td>ISEC 615</td>
<td>Fundamentals of Security Technology</td>
<td>3</td>
</tr>
<tr>
<td>ISEC 635</td>
<td>Information Security Operations Management</td>
<td>3</td>
</tr>
<tr>
<td>ISEC 655</td>
<td>Information Security Governance</td>
<td>3</td>
</tr>
<tr>
<td>ISEC 675</td>
<td>Information Systems Auditing</td>
<td>3</td>
</tr>
<tr>
<td>ISEC 695</td>
<td>Information Security Management Project</td>
<td>3</td>
</tr>
</tbody>
</table>

*These courses are offered by the College of Engineering and Computing. Tuition rates for that school apply.

**Criminal Justice Concentration Electives—12 Credit Hours (required for a concentration)**

<table>
<thead>
<tr>
<th>COURSE #</th>
<th>COURSE TITLE</th>
<th>CREDIT HOURS</th>
</tr>
</thead>
<tbody>
<tr>
<td>DEP 6423</td>
<td>Interagency Disaster Communication</td>
<td>3</td>
</tr>
<tr>
<td>DEP 6424</td>
<td>Community Disaster Preparedness</td>
<td>3</td>
</tr>
<tr>
<td>DEP 6404</td>
<td>Community Planning, Response, and Recovery for Families and Children</td>
<td>3</td>
</tr>
<tr>
<td>DEP 6410</td>
<td>Emergency Preparedness Public Policy and Law</td>
<td>3</td>
</tr>
<tr>
<td>DEP 6440</td>
<td>Conflict Management in Times of Crisis</td>
<td>3</td>
</tr>
</tbody>
</table>

**Public Health Concentration Electives—12 Credit Hours (required for a concentration)**

<table>
<thead>
<tr>
<th>COURSE #</th>
<th>COURSE TITLE</th>
<th>CREDIT HOURS</th>
</tr>
</thead>
<tbody>
<tr>
<td>DEP 6500</td>
<td>Epidemiology of Disasters</td>
<td>3</td>
</tr>
<tr>
<td>PUH 5201</td>
<td>Foundations of Public Health</td>
<td>3</td>
</tr>
<tr>
<td>DEP 6510</td>
<td>Public Health Issues in Disaster and Emergency Preparedness</td>
<td>3</td>
</tr>
<tr>
<td>DEP 6520</td>
<td>Veterinary Challenges in Disasters</td>
<td>3</td>
</tr>
<tr>
<td>DEP 6141</td>
<td>Social Vulnerability: Implications in the Disaster Cycle</td>
<td>3</td>
</tr>
</tbody>
</table>

**Environmental Hazards Concentration Electives—12 Credit hours (required for a concentration)**

<table>
<thead>
<tr>
<th>COURSE #</th>
<th>COURSE TITLE</th>
<th>CREDIT HOURS</th>
</tr>
</thead>
<tbody>
<tr>
<td>DEP 5060</td>
<td>Environmental Hazards in Emergency Preparedness</td>
<td>3</td>
</tr>
<tr>
<td>DEP 5080</td>
<td>Agroterrorism and Food Systems Disasters</td>
<td>3</td>
</tr>
<tr>
<td>PUH 5201</td>
<td>Foundations of Public Health</td>
<td>3</td>
</tr>
<tr>
<td>DEP 6260</td>
<td>Maritime Environmental Responsibilities</td>
<td>3</td>
</tr>
<tr>
<td>DEP 6710</td>
<td>Weather and Disaster and Emergency Preparedness</td>
<td>3</td>
</tr>
<tr>
<td>PUH 5202</td>
<td>Environmental and Occupational Health</td>
<td>3</td>
</tr>
</tbody>
</table>

**Fire Administration Concentration Electives—12 Credit Hours (required for a concentration)**

<table>
<thead>
<tr>
<th>COURSE #</th>
<th>COURSE TITLE</th>
<th>CREDIT HOURS</th>
</tr>
</thead>
<tbody>
<tr>
<td>DEP 6610</td>
<td>Fire Service Operations</td>
<td>3</td>
</tr>
<tr>
<td>DEP 6423</td>
<td>Interagency Disaster Communications</td>
<td>3</td>
</tr>
<tr>
<td>DEP 6410</td>
<td>Emergency Preparedness Public Policy and Law</td>
<td>3</td>
</tr>
<tr>
<td>DEP 5030</td>
<td>Executive Leadership and Administration</td>
<td>3</td>
</tr>
<tr>
<td>DEP 6424</td>
<td>Community Disaster Preparedness</td>
<td>3</td>
</tr>
<tr>
<td>DEP 6440</td>
<td>Conflict Management in Times of Crisis</td>
<td>3</td>
</tr>
</tbody>
</table>
The Master of Science in Disaster and Emergency Preparedness program evaluates the overall quality of its applicants, including academic achievement, life experience, recommendations, knowledge of the field of emergency management, and personal motivation.

The applicant must have

1. a bachelor’s, master’s, doctoral, or terminal professional degree from a regionally accredited college or university
2. a cumulative, overall grade point average (GPA) of 3.0 or above on a 4.0 scale from all institutions attended
3. the ability to express himself or herself in writing through a written statement submitted with the application
4. two letters of recommendation from college or university instructors, employers, work colleagues, etc.

Applicants whose native language is not English are required to demonstrate English proficiency. The standardized tests listed below currently satisfy the university’s English requirement for nonnative English speakers.

- Test of English as a Foreign Language (TOEFL): score of 213 on the computer-based test or 79–80 on the Internet-based test
- International English Language Testing System (IELTS): score of 6.0 on the test module
- GMAT: score of 450
- GRE: score of 275
- Scholastic Assessment Test (SAT): score of at least 500 in the reading section
- American College Test (ACT): score of at least 20 on the verbal section

GRE or MAT scores are preferred from all applicants except those who currently have a terminal degree (e.g., Ph.D., D.M.D., D.V.M., J.D., or D.O.) or those who already hold a master’s degree from a regionally accredited U.S. university or college. An applicant who does not have a terminal degree or master’s degree who chooses to apply, and is accepted, without taking the GRE or MAT will be required to attain a grade of B or higher in his or her first 9 credit hours in order to continue in the program.
The M.S. in Disaster and Emergency Preparedness (M.S. DEP) program accepts applications year-round. Applicants may apply for matriculation into any one of three semesters (fall, winter, or summer). Application deadline will be 30 days prior to the start of each semester.

All application materials should be sent to
Nova Southeastern University
Enrollment Processing Services (EPS)
College of Osteopathic Medicine, M.S. DEP Admissions
3301 College Avenue, P.O. Box 299000
Fort Lauderdale, Florida 33329-9905

For an application to be considered by the admissions committee, applicants must submit

1. the online application found at www.osteopathic.nova.edu/msdep
   (Payment of a nonrefundable application fee of $50 is required to complete your application.)

2. official transcripts of all coursework attempted by the applicant from all colleges and universities, including undergraduate, graduate, and professional education

   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. Other agencies that can complete this evaluation can be found at www.nova.edu/internationalstudents/prospective/credentialservices.html.

   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 and Associates, Inc.
   7101 SW 102nd Avenue
   Miami, Florida 33173
   (305) 273-1616 • (305) 273-1338 (fax)
   info@silny.com • 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. evidence of GRE or MAT scores no more than seven years old, if applicable (see admissions requirements for this program)

4. two letters of recommendation from college or university instructors, employers, work colleagues, etc.

5. a written statement

Applicants whose native language is not English are required to demonstrate English proficiency, as noted in the admissions requirements. The program may require additional documentation to support the application. All application material must be received in a timely manner to enable the Office of Admissions and the admissions committee to process the application promptly. Upon review, applicants will be contacted by the program director. Please call 800-356-0026, ext. 21850, or visit our website at www.osteopathic.nova.edu/msdep for further information on the program.
A nondegree-seeking student is one who wishes to take courses in the M.S. in Disaster and Emergency Preparedness (DEP) program, but does not wish to pursue the master’s degree at the time of application. A limit of 15 credit hours will be allowed. The nondegree-seeking student must provide the following admissions requirements in order to take courses in the program:

- a completed online application form
- a nonrefundable application fee of $50
- official transcripts of all undergraduate, graduate, and professional education

If, after taking courses in the M.S. in Disaster and Emergency Preparedness program, a nondegree-seeking student chooses to pursue the degree, the student must submit a new and complete application to the program to become a degree-seeking student and must meet all requirements for admission into the degree program. Previous coursework as a nondegree-seeking student does not guarantee acceptance into the degree program. If accepted into the program as a degree-seeking student, previous coursework may be eligible for transfer toward the degree.

Tuition for the 2015–2016 academic year is $550 per credit hour. Tuition for 2016–2017 will subsequently be posted on our website (www.osteopathic.nova.edu/msdep). 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.

Program discounts are available to full-time law enforcement officers, fire fighters, and emergency services personnel. Students currently enrolled full time in the NSU College of Osteopathic Medicine Doctor of Osteopathic Medicine degree program are also eligible for affiliation discounts. Please contact the program adviser for more information.
PROGRAM INFORMATION

Education is at a crossroads. Physicians and other health professionals are sought after to serve as educators in their respective professions. While they have strong recognition as experts in their clinical discipline, typically, they have little or no formal training in the educational process. Today’s students no longer merely watch, listen, and memorize information. Those medical professionals who choose to teach in the health professions must be guided by new innovations and contemporary technology in order to better understand how people learn.

It is important for educators in the health care professions to facilitate the learning process. Graduates of health programs should learn to connect and integrate multiple forms of reasoning (critical and creative thinking) and types of knowledge (formal and case-based) in order to provide the best patient care. Faculty should be prepared to integrate formal knowledge and concepts fundamental to professional practice in a manner that is relevant to students and residents in a clinical context.

To this end, the Nova Southeastern University College of Osteopathic Medicine (NSU COM) has developed a Master of Science in Medical Education program. This 36-credit-hour, online degree program is designed to help clinical faculty members and community preceptors enhance their professional education and teaching skills as well as expand their ability to facilitate the learning process of students and residents in a variety of clinical teaching environments. The program is composed of 6-credit-hour courses and includes

- assessment and evaluation
- educational methodologies
- research
- technology in education
- learning styles

The rich, interprofessional platform of NSU’s College of Osteopathic Medicine and Health Professions Division, provides for an excellent environment for this degree program, as it parallels the interprofessional delivery model of patient-care settings. The program incorporates the most recent educational technologies into a robust, six-course program. The program is designed to be completed in two years; however, students have a maximum of six years to complete it. Faculty members for the Master of Science in Medical Education program are recognized scholars and educators from NSU as well as other major universities. They are carefully selected on the basis of their subject expertise, teaching abilities, and professional involvement. Most importantly, they are united in their desire to educate and to motivate students to use what they learn in the program to inspire others.

MEDICAL EDUCATION EXIT OPPORTUNITIES

Master of Science in Medical Education program graduates may serve in a variety of educational roles in both university and hospital settings. These include residency program directors, department chairs, assistant deans, associate deans, designated institutional officers, and directors of medical education. The program provides graduates with an educational framework to pursue academic leadership positions. It also strengthens credentials for academic promotion.

For more information, visit our website (www.osteopathic.nova.edu/msme).
**COURSE OF STUDY**
The course of study was designed to develop professional educators with the knowledge and skills to lead in a dynamic and changing health care system. The program includes completion of the six required courses identified in the curriculum. Students are expected to demonstrate the application of content knowledge to their specific clinical profession and engage in robust dialogues with other health care professionals. To be eligible for the M.S. in Medical Education degree, students must satisfactorily complete the minimum 36 credit hours of coursework required, with a grade point average of 3.0 (B) or higher, within seven years of matriculation.

**CURRICULUM**

**Required Courses**

<table>
<thead>
<tr>
<th>COURSE #</th>
<th>COURSE TITLE</th>
<th>CREDIT HOURS</th>
</tr>
</thead>
<tbody>
<tr>
<td>MED 0600</td>
<td>Practicum in Teaching Medical and Other Health Professions</td>
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<tr>
<td></td>
<td>Students in a Diverse Learning Environment</td>
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<tr>
<td>MED 0610</td>
<td>Practicum in Implications of the Domains of Human Development in Health</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>Professions Students</td>
<td></td>
</tr>
<tr>
<td>MED 0620</td>
<td>Practicum in Technology Resources for Health Professions Education</td>
<td>6</td>
</tr>
<tr>
<td>MED 0630</td>
<td>Practicum in Effective Instruction Strategies in Health Professions Education</td>
<td>6</td>
</tr>
<tr>
<td>MED 0640</td>
<td>Practicum in Assessment and Measurement in Health Professions Education</td>
<td>6</td>
</tr>
<tr>
<td>MED 0650</td>
<td>Practicum in Research in the Health Professions Education</td>
<td>6</td>
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</tbody>
</table>
The Master of Science in Medical Education evaluates the overall quality of its applicants, looking at prior academic achievement, personal motivation, knowledge of health care, and profession-related experience. Proof of a professional degree from a regionally accredited college or university in a health care field, or equivalent, is required for admission. In addition, an applicant must submit documentation verifying that he or she has a faculty appointment at an institution of higher learning.

Medical Education Application Procedures

The Office of Admissions processes applications on a year-round basis. Students are admitted to begin studies during the fall, winter, or summer semesters.

**All admissions documentation must be sent to**

Nova Southeastern University  
Enrollment Processing Services (EPS)  
College of Osteopathic Medicine, Medical Ed. Admissions  
3301 College Avenue, P.O. Box 299000  
Fort Lauderdale, Florida 33329-9905

**To be considered for admissions, all applicants must provide the following:**

- a completed online application (found at [www.osteopathic.nova.edu/msme](http://www.osteopathic.nova.edu/msme)), along with a $50, nonrefundable application fee
- one letter of recommendation from a professional reference
- official transcripts of all coursework attempted by the applicant from all colleges and universities, including undergraduate, graduate, and professional education
  
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 on this page. Other agencies that can complete this evaluation can be found by going to the website at [www.nova.edu/internationalstudents/prospective/credentialservices.html](http://www.nova.edu/internationalstudents/prospective/credentialservices.html).

**World Education Services, Inc.**  
Bowling Green Station  
P.O. Box 5087  
New York, New York 10274-5087  
(212) 966-6311 • [www.wes.org](http://www.wes.org)

**Josef Silny and Associates, Inc.**  
7101 SW 102nd Avenue  
Miami, Florida 33173  
(305) 273-1616 • (305) 273-1338 (fax)  
info@silny.com • [www.jsilny.com](http://www.jsilny.com)

**Educational Credential Evaluators, Inc.**  
P.O. Box 514070  
Milwaukee, Wisconsin 53203-3470  
(414) 289-3400 • [www.ece.org](http://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.

Upon receipt of the completed application and required material, the Committee on Admissions will review the applicant’s file and make recommendations to the program director. The director submits recommendations for admission to the dean. The final decision on admission is made by the dean of the College of Osteopathic Medicine.
Medical Education Nondegree-Seeking Students

No transfer credits from coursework completed at another institution will be accepted in this program.

A nondegree-seeking student is one who wishes to take courses in the Master of Science in Medical Education program, but does not intend to pursue the master’s degree. The nondegree-seeking student must provide the following admissions requirements in order to take classes in the degree program:

• a completed online application with a nonrefundable application fee of $50
• official transcripts of all coursework attempted by the applicant from all colleges and universities, including undergraduate, graduate, and professional education

Nondegree-seeking students are not guaranteed future acceptance into the Master of Science in Medical Education Program. If, after taking classes in the program as a nondegree-seeking student, the student wishes to become degree seeking, the student must submit a new and complete application to the program to become a degree-seeking student and must meet all the requirements for admission to the Master of Science in Medical Education program. Previous coursework taken as a nondegree-seeking student does not guarantee acceptance into the Master of Science in Medical Education degree-seeking program. If accepted into the degree program, courses/credits that were taken as a nondegree-seeking student will be automatically applied toward the degree. Nondegree-seeking students can enroll in a maximum of three courses or 18 credit hours.

Medical Education Tuition and Fees

Tuition for 2015–2016 is $550 per credit hour. Tuition for 2016–2017 will subsequently be posted on our website (www.osteopathic.nova.edu/msme). 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.
The College of Osteopathic Medicine has developed a Master of Science (M.S.) degree in Nutrition in response to a growing need for nutrition professionals at that level throughout the United States. The passage of the 2010 Patient Protection and Health Care Affordability Act in the U.S. Congress has put an increased demand on the health care delivery system for preventive services, which includes nutrition in almost all areas in primary care. Nutrition assessment and nutrition intervention for chronic diseases are important components of the new health care reform mandates.

This 42-credit-hour, online degree program incorporates the most recent technologies, including Livescribe pens, Blackboard, and interactive video. In addition, all students are required to spend time on campus at the beginning of the academic program of study and again at the end of the program to present their final projects/research and to participate in graduation ceremonies. The rich, interprofessional platform of NSU’s College of Osteopathic Medicine and Health Professions Division provides an excellent environment for this degree program. Nutrition is an essential part of medicine and health care delivery. Elective course offerings in the new program are open to students in osteopathic medicine, public health, and the other health professions. This is an important, interprofessional enhancement to any curriculum, given the increasing attention to nutrition in health care delivery, and is a critically important component in primary care. Given the growth worldwide in people over age 65, nutritionists play a key role in senior health, both in preventing medical challenges and in managing diseases and controlling chronic diseases.

For more information, visit our website (www.osteopathic.nova.edu/ms-nutrition).
Nutrition Exit Opportunities

This degree is intended to educate and prepare nutritionists and dietitians to work in a variety of settings including hospitals, food service establishments, long-term care facilities, physician offices/private clinics, outpatient care centers, schools and universities, home health, corporations, athletic training centers or gyms, health departments, food production centers and plants, health care insurance companies, and private consulting businesses. The job outlook for dietitians and nutritionists is better than the average for other health-related disciplines. Employment forecasts for dietitians and master's degree-prepared nutritionists are expected to be at 21 percent annually for the next 10 years (Occupational Handbook, 2010).

According to the U.S. Bureau of Labor Statistics (2010), employment in the nutrition field is expected to increase 30 percent during the 2010–2020 decade projection. Job growth is expected to increase, due to an increased emphasis on wellness, prevention of disease through better food choices and dietary habits, and greater integration of nutrition in primary care. The Patient Protection and Affordability Care Act increases the need for nutrition professionals as a result of required wellness checks and emphasis on health promotion and disease prevention.

Possible career options for graduates with this degree include:
- research, health center, public health, or school nutritionist
- private health consultant
- health/lifestyle coach
- instructor at the technical or baccalaureate level
- corporate wellness consultant
- employee health nutrition/wellness coordinator
- media and communications professionals
- personal trainer/health and fitness instructor

The program will be a source of continuing graduate education for students from the athletic training program and physical education. Students in medicine and public health may also select a minor in this new program or may obtain a dual degree. The Master of Science in Nutrition provides an excellent interprofessional graduate degree for students in other health professions, such as medicine, dentistry, optometry, or pharmacy.
The Master of Science in Nutrition course of study is designed so that all students receive a 15-credit-hour core. All students are also required to complete a 6-credit-hour special project (thesis or nonthesis option) focused on a current area of research or a community-based project. Students select from one of two concentrations (community nutrition or sports nutrition) and choose three 3-credit-hour electives to complete the program. Students are required to come to the NSU main campus both to begin their studies—meeting with program advisers—and at the completion of the program of study—to present their final projects and meet with faculty members prior to graduation. The program was designed to further the education of those who want to integrate nutrition into other health professions and to enable those who want to practice in the profession of nutrition and dietetics to meet their academic requirements so that they can enter the field.

The M.S. in Nutrition was developed to provide students from varied undergraduate disciplines, or from other graduate areas of study, with the knowledge and applicable skills to function successfully in the profession of dietetics and nutrition. Dietetics is the branch of therapeutics concerned with the practical application of diet in relation to health and disease. The Dietary Guidelines for Americans 2010 emphasize the relationship between food choices, disease management, and prevention. Successful education of the public and multidisciplinary health care practitioners will require nutrition professionals with advanced training in nutrition as it relates to health promotion and disease prevention. The importance of nutrition in primary health care is further reinforced in the Patient Protection and Health Care Affordability Act of 2010.

### Nutrition Curriculum

#### Required Core Courses (15 credits)

<table>
<thead>
<tr>
<th>COURSE #</th>
<th>COURSE TITLE</th>
<th>CREDIT HOURS</th>
</tr>
</thead>
<tbody>
<tr>
<td>NTR 5200</td>
<td>Nutritional Biochemistry</td>
<td>3</td>
</tr>
<tr>
<td>NTR 5100</td>
<td>World Culture, Food, and Nutrition</td>
<td>3</td>
</tr>
<tr>
<td>NTR 6400</td>
<td>Nutritional Assessment and Medical Nutrition Therapy</td>
<td>3*</td>
</tr>
<tr>
<td>NTR 6200</td>
<td>Evidence-Based Outcomes Research in Nutrition</td>
<td>3</td>
</tr>
<tr>
<td>NTR 5130</td>
<td>Nutrition Counseling</td>
<td>3*</td>
</tr>
</tbody>
</table>

#### Special Project (Thesis or Nonthesis)—Required of All Students (6 credits)

NTR 6800 A program faculty member will be assigned to each student.
Two concentrations are outlined below. Either one can provide the student with the foundational courses to enter a registered dietitian program that requires kitchen and laboratory work and an internship.

**Concentration 1: Community Requirements (12 credits)**

<table>
<thead>
<tr>
<th>COURSE #</th>
<th>COURSE TITLE</th>
<th>CREDIT HOURS</th>
</tr>
</thead>
<tbody>
<tr>
<td>NTR 5400</td>
<td>Psychology of Eating</td>
<td>3</td>
</tr>
<tr>
<td>PUH 5201</td>
<td>Foundations of Public Health</td>
<td>3</td>
</tr>
<tr>
<td>NTR 5500</td>
<td>Health Disparities/Health Literacy</td>
<td>3</td>
</tr>
<tr>
<td>NTR 5600</td>
<td>Models of Health Behavior</td>
<td>3</td>
</tr>
</tbody>
</table>

**Concentration 2: Sport Nutrition Requirements (12 credits)**

<table>
<thead>
<tr>
<th>COURSE #</th>
<th>COURSE TITLE</th>
<th>CREDIT HOURS</th>
</tr>
</thead>
<tbody>
<tr>
<td>NTR 6700</td>
<td>Advanced Sports Nutrition</td>
<td>3</td>
</tr>
<tr>
<td>NTR 6100</td>
<td>Nutrition, Physical Activity, Wellness, and Weight Management</td>
<td>3</td>
</tr>
<tr>
<td>NTR 5050</td>
<td>Nutrition and Exercise Performance</td>
<td>3*</td>
</tr>
<tr>
<td>NTR 5060</td>
<td>Dietary and Sports Supplements</td>
<td>3</td>
</tr>
</tbody>
</table>

**Elective Courses: (Three courses required for each concentration)**

<table>
<thead>
<tr>
<th>COURSE #</th>
<th>COURSE TITLE</th>
<th>CREDIT HOURS</th>
</tr>
</thead>
<tbody>
<tr>
<td>NTR 5010</td>
<td>Alternative Nutrition and Complementary Therapies</td>
<td>3</td>
</tr>
<tr>
<td>NTR 5020</td>
<td>Anthropology of Food</td>
<td>3</td>
</tr>
<tr>
<td>PUH 5430</td>
<td>Epidemiology</td>
<td>3</td>
</tr>
<tr>
<td>NTR 5030</td>
<td>Food Policy</td>
<td>3</td>
</tr>
<tr>
<td>NTR 5040</td>
<td>Functional Foods in Society Today</td>
<td>3</td>
</tr>
<tr>
<td>MI 5200</td>
<td>Survey of Biomedical Informatics</td>
<td>3</td>
</tr>
<tr>
<td>NTR 5110</td>
<td>Gender Nutrition</td>
<td>3</td>
</tr>
<tr>
<td>NTR5120</td>
<td>Nutrition Advocacy and Interprofessional Leadership</td>
<td>3</td>
</tr>
<tr>
<td>NTR 5140</td>
<td>Nutrition for Geriatrics/Vulnerable Populations</td>
<td>3*</td>
</tr>
<tr>
<td>NTR 6110</td>
<td>Pediatric Nutrition</td>
<td>3*</td>
</tr>
<tr>
<td>PUH 5513</td>
<td>Public Health Nutrition</td>
<td>3</td>
</tr>
<tr>
<td>NTR 6120</td>
<td>Nutrition and Art: A Historical Perspective Through Art</td>
<td>3</td>
</tr>
<tr>
<td>NTR 6130</td>
<td>Nutrition in Disaster and Emergency Preparedness, Mitigation, and Recovery</td>
<td>3</td>
</tr>
<tr>
<td>PUH 0625</td>
<td>Interprofessional Leadership</td>
<td>3</td>
</tr>
<tr>
<td>NTR 6900</td>
<td>Special Topics Course (offered as necessary or on demand as new topics arise)</td>
<td>3</td>
</tr>
</tbody>
</table>

* denotes a clinical observation requirement
The M.S. in Nutrition program evaluates the overall quality of its applicants, including academic achievement, personal motivation, knowledge of health care, profession-related experience, and recommendations. Criteria for admission to the M.S. in Nutrition program are

1. a bachelor's, master's, doctoral, or terminal professional degree from a regionally accredited college or university

2. successful completion of the following courses with a grade of 2.0 or higher:
   - Anatomy and Physiology (lecture and lab)—4 credit hours
   - Biochemistry—3 credit hours
   - General Chemistry—4 credit hours
   - Organic Chemistry (with lab)—4 credit hours
   - General Biology (lab preferred)—4 credit hours
   - General Statistics—3 credit hours

3. a cumulative overall grade point average (GPA) of 3.0 or above on a 4.0 (or equivalent) scale (preferred)

4. submission of scores from the Graduate Record Examination (GRE) or the Miller Analogies Test
   Scores from one of these two examinations are required of all applicants, except those who have a terminal degree (e.g., D.O., M.D., O.D., D.M.D., D.D.S., D.V.M., D.S.C., J.D., Ph.D., Ed.D.) from a regionally accredited U.S. university/college. Applicants’ scores from these standardized tests must be no more than five years old.

5. the ability to clearly express one's self in writing, as demonstrated by a written statement submitted in the application to the program (Applicants who graduated from a college or university where English is not the primary language, regardless of United States residency status, must obtain a minimum score of 600 on the written Test of English as a Foreign Language [TOEFL] or a comparable score on the computerized version of the test.)
The Office of Admissions processes applications on a year-round basis. All application documentation must be sent to Nova Southeastern University
Enrollment Processing Services (EPS)
College of Osteopathic Medicine, Nutrition Admissions
3301 College Avenue, P.O. Box 299000
Fort Lauderdale, Florida 33329-9905

To be considered for admissions, all applicants must provide the following:

1. an online application with a $50, nonrefundable application fee (found at www.osteopathic.nova.edu/ms-nutrition)

2. one letter of recommendation from someone that knows the applicant professionally or academically (Letters from a relative or spouse are not accepted. This recommendation needs to be on letterhead, specific to the program, and contain a handwritten signature with contact information.)

3. official transcripts sent directly from all previously attended undergraduate, graduate, and professional institutions

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 on this page. Other agencies that can complete this evaluation can be found by going to the website at www.nova.edu/internationalstudents/prospective/credentialservices.html.

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Miami, Florida 33173
(305) 273-1616 • (305) 273-1338 (fax)
info@silny.com • www.jsilny.com

4. Applicants whose native language is not English are required to demonstrate English proficiency. The standardized tests listed below currently satisfy the university’s English requirement for nonnative English speakers.

• Test of English as a Foreign Language (TOEFL): score of 213 on the computer-based test or 79–80 on the Internet-based test
• International English Language Testing System (IELTS): score of 6.0 on the test module
• Pearson Test of English—Academic: score of 54
• American College Test (ACT): score of at least 20 on the verbal section

Test results must be sent directly from the testing agency to the center you applied to. Proof of English language competency can also be in the form of successful completion of a degree at a regionally accredited U.S. college or university.

Upon receipt of the completed application and required material, the Committee on Admissions will review the application and the applicant’s file and make recommendations to the program director. The director submits his or her recommendation on admission to the dean. The final decision on admission is made by the dean of the College of Osteopathic Medicine.
Applicants or enrollees of the NSU COM Master of Science in Nutrition program may petition for a transfer of a maximum of 6 credit hours toward their degree from a regionally accredited institution for degree-seeking students. Any exceptions require the written approval of the program director. To be considered for transfer of credit, courses must have been completed less than three years prior to the beginning of the student’s first semester in the program. All courses to be transferred must be substantially equivalent to courses offered in the program, as determined by the program director and appropriate faculty members. All courses considered for transfer into the program must have been successfully completed with a grade of B (80 percent) or better. Transfer course grades are not calculated toward the student’s grade point average. An accepted applicant to the program who wishes to receive transfer credit must submit a written request and the appropriate verification documents (e.g., official transcripts, syllabi, and catalogs) to the program director.

**NUTRITION NONDEGREE-SEEKING STUDENTS**

A nondegree-seeking student is one who wishes to take courses in the Master of Science in Nutrition program, but does not intend to pursue the master’s degree. The nondegree-seeking student must provide the following admissions requirements in order to take classes in the Master of Science in Nutrition program:

- a completed online application
- official transcripts of all undergraduate, graduate, and professional education
- a nonrefundable application fee of $50

Nondegree-seeking students are not guaranteed future acceptance into the Master of Science in Nutrition program. If, after taking classes in the program as a nondegree-seeking student, the student wishes to become degree seeking, he or she must apply to the M.S. in Nutrition program as a new student and meet all the requirements for admission. If accepted into the degree program, credits with the prefix NTR that were taken as a nondegree-seeking student will be automatically applied toward the degree. Nondegree seeking students can enroll in a maximum of four courses or 12 credits.

**Nutrition Tuition and Fees**

Tuition for 2015–2016 is $550 per credit hour. Tuition for 2016–2017 will subsequently be posted on our website (www.osteopathic.nova.edu/ms-nutrition). 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.
The Graduate Certificate in Social Medicine will target medical residents, directors of medical education, residency program directors, or anyone with an interest in learning more about global/social medicine. Over the past 15 years, there has been a growing national and international trend toward developing frameworks for defining, applying, teaching, and measuring the competency of a physician. Many organizations have developed criteria to define and measure competency. The Graduate Certificate in Social Medicine is designed to address these needs and enhance the experiences for residents to achieve program competencies. Residents will obtain additional information from this graduate-level program, which helps to achieve competency in several elements. Program directors and directors of medical education completing this certificate can impart their expertise to their residents.

Social Medicine Certificate Admissions Requirements

The Graduate Certificate in Social Medicine evaluates the overall quality of applicants, including academic achievement, personal motivation, knowledge about health care, and life experiences. Criteria for admission to the Graduate Certificate in Social Medicine are as follows:

- The applicant must hold a bachelor’s, master’s, or doctoral degree from a regionally accredited college or university.
- A cumulative grade point average (GPA) of 3.0 or above, on a 4.0 scale, is preferred.
- Applicants enrolled in another area of study within Nova Southeastern University must be in good academic standing, must provide a letter of recommendation from the dean or program director of the other college or program.
- All application materials must be received in a timely manner to enable the Office of Admissions and the admissions committee to process the application promptly.

Health care-related experience is desirable, but not required. If the applicant does not hold a health-related graduate or professional degree, he or she must supply evidence of having taken the GRE, PCAT, OAT, AHPAT, MCAT, DAT, GMAT, or LSAT. Applicants’ scores from these standardized tests must be no more than five years old. Applicants with health-related graduate or professional degrees may be required to submit official test scores upon evaluation of their applications.

For more information, visit our website (www.osteopathic.nova.edu/masters).
Students will complete a total of five courses of 3 credits each for a total of 15 credits.

**Public Health Concentration**  
(choose one for 3 credits)  
• Health Policy Planning and Management  
• Epidemiology  
• Biostatistics  
• Public Health Program Planning and Evaluation

**Biomedical Informatics Concentration**  
(choose one for 3 credits)  
• Survey of Medical Informatics  
• Public Health Informatics  
• Management Information Systems in Health Care  
• Information Technologies in Medicine and Telehealth  
• Lean Six Sigma for Health Care  
• Consumer Health Informatics

**Disaster and Emergency Preparedness Concentration**  
(choose one for 3 credits)  
• Community Disaster Preparedness  
• Community Planning, Response, and Recovery for Families and Children  
• Foundations of Public Health  
• Public Health Issues in Disaster and Emergency Preparedness  
• Epidemiology of Disasters

**Elective** (choose a second course from any of the listed concentrations for 3 credits)

At the completion of the Graduate Certificate in Social Medicine program, students will have completed course offerings that can be applied to a master’s degree in any of the following three programs:  
• Master of Public Health  
• Master of Science in Biomedical Informatics  
• Master of Science in Disaster and Emergency Preparedness

Students must follow the application process for the respective chosen program, but the credits received for the courses taken in earning the certificate will be transferred to the degree program.

**Social Medicine Certificate**  
**Tuition and Fees**

Tuition for 2015–2016 is $550 per credit hour. Tuition for 2016–2017 will subsequently be posted on our website (www.osteopathic.nova.edu/masters). A Health Professions Division general access fee of $145 is required each year. An NSU student services fee of $350 per semester for two or more courses and $175 per semester for one course, not to exceed $1,050 annually, is also required.
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
   • Pharmaceutics 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
     - Radiology
     - 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

7 PARKING GARAGE

8 HPD ASSEMBLY BUILDING
   • Auditorium
   • Computer Science Laboratory
   • Seminar Rooms
   • Physical Assessment Laboratory
   • Compliance Office