2013

General and Vascular Sonography 2013

Nova Southeastern University

Follow this and additional works at: https://nsuworks.nova.edu/hpd_coursecatalogs

Part of the Medicine and Health Sciences Commons

NSUWorks Citation

Nova Southeastern University, "General and Vascular Sonography 2013" (2013). Health Professions Divisions Course Catalogs. 213.
https://nsuworks.nova.edu/hpd_coursecatalogs/213

This Program Overview is brought to you for free and open access by the NSU Course Catalogs and Course Descriptions at NSUWorks. It has been accepted for inclusion in Health Professions Divisions Course Catalogs by an authorized administrator of NSUWorks. For more information, please contact nsuworks@nova.edu.
General and Vascular Sonography • B.H.Sc and M.H.Sc.

COLLEGE OF HEALTH CARE SCIENCES AT NOVA SOUTHEASTERN UNIVERSITY

ENTERING CLASS 2013
The mission of Nova Southeastern University, a private, not-for-profit institution, is to offer a diverse array of innovative academic programs that complement on-campus educational opportunities and resources with accessible, distance-learning programs to foster academic excellence, intellectual inquiry, leadership, research, and commitment to community through engagement of students and faculty members in a dynamic, lifelong learning environment.

Nova Southeastern University, synonymous with dynamic innovation and intellectual challenge, is the largest independent not-for-profit university in the Southeast, and with an enrollment of more than 29,000 students, is the eighth largest in the United States. Situated on a beautiful, 300-acre campus in Fort Lauderdale, Florida, the university is experiencing a sustained period of academic growth, fiscal strength, and commitment to the challenges of the 21st century.

In this environment of expansion and stability, the university is capitalizing on its strengths in such areas as academic innovation, comprehensive clinical training, and flexible educational delivery systems.
Founded in 1964 as Nova University, the institution merged with Southeastern University of the Health Sciences in 1994, creating Nova Southeastern University. To date, the institution has more than **143,000 alumni**. Fully accredited by the Commission on Colleges of the Southern Association of Colleges and Schools, the university awards associate’s, bachelor’s, master’s, educational specialist, and doctoral degrees in a wide range of fields including the health professions, law, business, marine sciences, psychology, social sciences, computer and information sciences, and education.

The university’s programs are administered through **16 academic centers** that offer courses at the main campus and at field-based locations throughout Florida; across the nation; and at selected international sites in Europe, Mexico, the Pacific Rim, Central and South America, and the Caribbean.

With a budget of more than $220 million per year and an upward trend in enrollment, the university will continue to maintain a solid record of academic and fiscal strength and excellence in teaching and community service, while expanding its mission in research and scholarship.
As a student in the Health Professions Division of Nova Southeastern University, you can anticipate a remarkable experience. You will train, study, interact, and share faculty and resources (either campus-based or online) with students from various backgrounds and disciplines. This interdisciplinary approach distinguishes the Health Professions Division as unique and will better prepare you to master your discipline with a sensitivity and understanding of the entire health care system.

The Health Professions Division 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.)
- Graduate Certificate in Health Education
- Graduate Certificate in Public Health
- Graduate Certificate in Public Health Informatics
- Graduate Certificate in Medical Informatics

**COLLEGE OF PHARMACY**
- Doctor of Pharmacy (Pharm.D.)
- Doctor of Philosophy in Pharmacy (Ph.D.)

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

**COLLEGE OF HEALTH CARE SCIENCES**
- Bachelor of Health Science (B.H.Sc.)
- Bachelor of Health Science (B.H.Sc.)—Cardiovascular Sonography
- Bachelor of Health Science (B.H.Sc.)—General and Vascular Sonography

**COLLEGE OF HEALTH CARE SCIENCES (CONTINUED)**
- Master of Health Science (M.H.Sc.)
- Master of Health Science (M.H.Sc.)—Anesthesiologist Assistant
- Master of Health Science (M.H.Sc.)—Cardiovascular Sonography
- Master of Health Science (M.H.Sc.)—General and Vascular Sonography
- Master of Health Science (M.H.Sc.)/Doctor of Health Science (D.H.Sc.)
- Doctor of Health Science (D.H.Sc.)
- Doctor of Philosophy in Health Science (Ph.D.)
- Master of Medical Science in Physician Assistant (M.M.S.)
- Master of Occupational Therapy (M.O.T.)
- Entry-Level Doctor of Occupational Therapy (O.T.D.)
- Doctor of Occupational Therapy (Dr.OT)
- Doctor of Philosophy in Occupational Therapy (Ph.D./OT)
- 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./PT)
- Doctor of Audiology (Au.D.)

**COLLEGE OF MEDICAL SCIENCES**
- Master of Biomedical Sciences (M.B.S.)
- Certificate in Anatomical Studies

**COLLEGE OF DENTAL MEDICINE**
- Doctor of Dental Medicine (D.M.D.)
- Master of Science in Dentistry (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**
- Entry-Level Bachelor of Science in Nursing (B.S.N.)
- R.N. to B.S.N.
- R.N. to M.S.N.
- Master of Science in Nursing (M.S.N.)—Nursing Education
- Master of Science in Nursing (M.S.N.)—Health Systems Leadership
- Master of Science in Nursing (M.S.N.)—Advanced Practice Registered Nurse, FNP
- Doctor of Nursing Practice (D.N.P.)
- Doctor of Philosophy in Nursing (Ph.D.)
If you wish to be a leader in the health professions, Nova Southeastern University can help you reach your potential.

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

Fred Lippman, R.Ph., Ed.D.
Health Professions Division Chancellor
Nova Southeastern University’s College of Health Care Sciences provides the highest quality of education to students in a variety of health care disciplines, including occupational therapy, physical therapy, physician assistant, audiology, and health sciences. We offer entry-level programs to advanced health care studies that allow professionals to continue with their lifelong learning. The cutting-edge curricula offered in our programs will help our students gain future success in their fields.

The college is committed to providing health care educational opportunities in formats that meet the needs of prospective students in the community. These formats include both the standard, face-to-face classroom approach and innovative distance electronics. By combining the most contemporary teaching modalities with state-of-the-art technology, our students are assured of obtaining the most comprehensive education possible.

The College of Health Care Sciences believes in excellence and innovation in teaching, research, service, and learning. This is made possible by having an academically skilled and professionally qualified faculty and staff. We have diverse faculty members. They come from different backgrounds, have different degrees, and possess a wide range of educational experiences. Our faculty members are eager to share their knowledge of and expertise in the health care arena with their students. We also have an open door policy that encourages students to seek answers to their questions, allowing them to develop a solid understanding of the materials that they study.

All of these opportunities make the College of Health Care Sciences truly unique. The health care market is undergoing a rapid change. The pace of this change has provided a formidable challenge for institutions that provide the educational programs for future health care professionals. We are proud of the fact that we are training our students to become skilled and compassionate health care providers who are certain to make valuable contributions to the communities they serve. If you wish to become a graduate who is adequately prepared to assume a leadership role in health care, I encourage you to apply to our programs.

Richard E. Davis, PA-C, Ed.D.
Dean, College of Health Care Sciences
The Department of Health Science offers the working health professional distance online learning at the bachelor's, master's, and doctoral (D.H.Sc. and Ph.D.) levels. The Department of Health Science master's degree program also includes two on-campus concentrations (anesthesiologist assistant and general and vascular sonography), as well as the cardiovascular sonography specialization at NSU's Tampa Student Educational Center.

**Diagnostic Medical Sonography**

Diagnostic medical sonography includes four primary areas of specialization: general (RDMS), cardiac (RDCC), vascular (RVT), and musculoskeletal (MSK). General sonography includes subspecialties in obstetrics and gynecology, organs of the body, and small parts (soft tissues and superficial glands), as well as neurosonology. Cardiac sonography examines the anatomical structure and function of the heart and is subdivided into three different subspecialties: adult echocardiography, fetal echocardiography, and pediatric echocardiography. Vascular sonography studies the anatomical and physiological characteristics of blood vessels (veins and arteries) in the human body. The most recently created specialty in sonography is musculoskeletal sonography. This specialty studies the different joints and tendons in the body. Diagnostic medical sonography uses mechanical, nonionizing sound waves to obtain images and is considered a noninvasive modality.

**General Sonography**

Professionals in this field are called sonographers or medical sonographers. Sonographers use diagnostic medical ultrasound to obtain images of internal organs such as the liver, gallbladder, bile ducts, pancreas, spleen, appendix, kidneys, and adrenal glands. They also can obtain images from superficial glands and soft tissues. Sonographers specializing in obstetrics and gynecology obtain images of the female pelvic organs and the fetus, while those specializing in neurosonology obtain images of the brain and its blood vessels. Sonographers working in all these specialties determine normal from abnormal situations and contribute to the making of a diagnosis of pathologies affecting those organs.

**Vascular Sonography**

Professionals working in this specialty are called vascular sonographers. They use ultrasound and other specialized equipment to assess the anatomical, physiological, and pathologic conditions of veins and arteries. Among the most common studies are those of the carotid arteries, arteries of the upper and lower extremities, abdominal blood vessels, and intracranial circulation. Exploration of these vessels helps to determine the presence of plaques and thrombus, the direction of blood flow, and the process of revascularization, as well as patency of grafts. Vascular sonographers play a very important role in assessing the blood vessels in special situations such as stroke, peripheral arterial disease, abdominal aortic aneurysm, portal hypertension, and deep vein thrombosis. They even can help to select native vessels for grafts to be used in cardiac surgeries.

**General and Vascular Sonography Program**

The NSU General and Vascular Sonography Program in Fort Lauderdale offers didactic and clinical training in the general and vascular sonography subspecialties as one integrated curriculum. At the end of the program, the student will be able to perform general (abdomen, small parts, and cardiovascular), obstetrical and gynecological, and vascular studies. The growing use of ultrasound and the need for sonographers with multiple credentials to accommodate new regulations in the health care field have set the ground for a comprehensive program that combines these two main specialties: RDMS (abdomen, ob-gyn, breast, and neuro) and RVT.

**Bachelor of Health Science—General and Vascular Sonography (B.H.Sc.—GVS)**

The Bachelor of Health Science with a concentration in General and Vascular Sonography program was designed to prepare entry-level professionals in the fields of general and vascular sonography. During the first year, students take online courses at the undergraduate level, as well as on-campus classes that include many hours each week in the training ultrasound lab. This is followed by a 12-month externship in a clinical site and online courses. Graduates from this program will be able to apply for national examinations with the American Registry of Diagnostic Medical Sonography (ARDMS) and obtain RDMS and RVT credentials. Upon graduation from the B.H.Sc.—GVS program, students will be eligible to apply for admission to the online Master of Health Science (M.H.Sc.) program.

**Master of Health Science—General and Vascular Sonography (M.H.Sc.—GVS)**

The Master of Health Science with a concentration in General and Vascular Sonography is designed for those applicants who already have bachelor's degrees and are pursuing entry-level professional training in the field of diagnostic medical sonography. Students admitted into this program will earn the Bachelor of Health Science—General and Vascular Sonography degree and a Master of Health Science degree. During the first year, students take online courses at the graduate level, as well as on-campus classes that include many hours each week in the training ultrasound lab. This is followed by a 12-month externship in a clinical site and online courses. Graduates from this program will be able to apply for national examinations with the American Registry of Diagnostic Medical Sonography (ARDMS) and obtain RDMS and RVT credentials. Upon graduation from the M.H.Sc. program, students will be eligible to apply for admission to the online Doctor of Health Science (D.H.Sc.) program.
The general and vascular sonography program, both at the bachelor's and master's degree levels, includes on-campus lectures; extensive, hands-on training in the ultrasound laboratory; online courses; and a 12-month externship in an accredited clinical facility. The curriculum for this program follows the standards recommended by the American Registry of Diagnostic Sonography (ARDMS) and the Commission on Accreditation of Allied Health Education Programs (CAAHEP). Graduating students will earn either a Bachelor of Health Science—General and Vascular Sonography degree or a Bachelor of Health Science—General and Vascular Sonography degree and a Master of Health Science degree, depending on the program completed. Upon graduation, students will be able to sit for the professional registry exam with the ARDMS and earn RDMS and RVT credentials.

The curriculum follows a lock-step model and the courses must be taken and passed in a predetermined sequence.

Examples of the courses in health sciences include: Health Care Ethics, Academic and Professional Writing, Research Methods, and Principles of Management. Some of the core courses for the concentration in general and vascular sonography include: Ultrasound Physics, Abdominal Sonography, Obstetrics and Gynecology, Cerebrovascular Testing, and Peripheral Arterial Testing.

In the second year, students have a 12-month externship, allowing them to gain experience through observation and hands-on practice, while being supervised by clinical mentors. During this period, students will accrue more than 1,800 hours of clinical training while continuing to take online courses. Students enrolled in the master's degree program will also participate in a research project mentored by a faculty member to satisfy the internship and practicum course requirements. In the same manner, master's degree students will develop an extensive research project suitable for presentation or publication.
# CURRICULUM OUTLINE

## BACHELOR of HEALTH SCIENCE

<table>
<thead>
<tr>
<th>Required B.H.Sc. Courses</th>
<th>required semester hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BHS 3110 Health Care Ethics</td>
<td>3</td>
</tr>
<tr>
<td>BHS 3120 Introduction to Epidemiology</td>
<td>3</td>
</tr>
<tr>
<td>BHS 3130 Research and Design for Health Care</td>
<td>3</td>
</tr>
<tr>
<td>BHS 3150 Principles in Leadership</td>
<td>3</td>
</tr>
<tr>
<td>BHS 3155 Conflict Resolution in Health Care</td>
<td>3</td>
</tr>
<tr>
<td>BHS 3160 Health Care Policy</td>
<td>3</td>
</tr>
<tr>
<td>BHS 4000 Cultural Competency in Health Care</td>
<td>3</td>
</tr>
<tr>
<td>BHS 4100 Academic and Professional Writing</td>
<td>3</td>
</tr>
<tr>
<td>BHS 4110 Health Care and Aging</td>
<td>3</td>
</tr>
<tr>
<td>BHS 3120 Ultrasound Physics I/Lab</td>
<td>3</td>
</tr>
<tr>
<td>BHS 3111 Advanced Anatomy and Physiology for the Health Professions</td>
<td>4</td>
</tr>
<tr>
<td>BHS 3200 Ultrasound Physics II/SPI Exam</td>
<td>1</td>
</tr>
<tr>
<td>BHS 3220 Introduction to Diagnostic Medical Sonography</td>
<td>4</td>
</tr>
<tr>
<td>BHS 3300 Cerebrovascular Testing/Lab</td>
<td>4</td>
</tr>
<tr>
<td>BHS 3400 Venous Testing/Lab</td>
<td>4</td>
</tr>
<tr>
<td>BHS 3500 Peripheral Arterial Testing/Lab</td>
<td>4</td>
</tr>
<tr>
<td>BHS 3800 Abdominal Sonography/Lab</td>
<td>4</td>
</tr>
<tr>
<td>BHS 3700 Clinical Preparation and Review</td>
<td>4</td>
</tr>
<tr>
<td>BHS 3830 Small Parts Sonography</td>
<td>3</td>
</tr>
<tr>
<td>BHS 3900 Obstetrics and Gynecology Ultrasound I</td>
<td>4</td>
</tr>
<tr>
<td>BHS 3910 Obstetrics and Gynecology Ultrasound II</td>
<td>4</td>
</tr>
<tr>
<td>BHS 4500 Clinical Externship I</td>
<td>6</td>
</tr>
<tr>
<td>BHS 4600 Clinical Externship II</td>
<td>7</td>
</tr>
<tr>
<td>BHS 4700 Clinical Externship III</td>
<td>8</td>
</tr>
<tr>
<td>MHS 5003 Current Trends and Cultural Issues in Health Care</td>
<td>3</td>
</tr>
<tr>
<td>MHS 5521 Ethical Issues in Health Care</td>
<td>3</td>
</tr>
<tr>
<td>MHS 5205 Writing for Medical Publication</td>
<td>3</td>
</tr>
<tr>
<td>MHS 5510 Research Methods</td>
<td>3</td>
</tr>
<tr>
<td>MHS 5403 Directed Studies in Medical Sonography I</td>
<td>3</td>
</tr>
<tr>
<td>MHS 5501 Epidemiology and Biostatistics</td>
<td>3</td>
</tr>
<tr>
<td>MHS 5404 Directed Studies in Medical Sonography II</td>
<td>4</td>
</tr>
<tr>
<td>MHS 5530 Principles of Management in Health Care</td>
<td>3</td>
</tr>
<tr>
<td>MHS 5107 Internship</td>
<td>5</td>
</tr>
<tr>
<td>MHS 5405 Directed Studies in Medical Sonography III</td>
<td>2</td>
</tr>
<tr>
<td>MHS 5207 Practicum</td>
<td>5</td>
</tr>
</tbody>
</table>

Subtotal courses: 90  
Transfer: 30  
Total BHS Degree Semester Hours Required: 120

*Students enrolled in the Master of Health Science—General and Vascular Sonography program must have completed all the courses in the curriculum in order to obtain both the Bachelor of Health Science—General and Vascular Sonography and the Master of Health Science degrees. The 57 semester hours of transfer credit from the previously received bachelor's degree will be applied to the B.H.Sc.—General and Vascular Sonography degree leading to the completion of the courses required for the M.H.Sc. degree. There are 100 effective on-campus and online credits required during the program.

## MASTER of HEALTH SCIENCE

<table>
<thead>
<tr>
<th>Required M.H.Sc. Courses</th>
<th>required semester hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BHS 3102 Ultrasound Physics I/Lab</td>
<td>3</td>
</tr>
<tr>
<td>BHS 3111 Advanced Anatomy and Physiology for the Health Professions</td>
<td>4</td>
</tr>
<tr>
<td>BHS 3200 Ultrasound Physics II/SPI Exam</td>
<td>1</td>
</tr>
<tr>
<td>BHS 3220 Introduction to Diagnostic Medical Sonography</td>
<td>3</td>
</tr>
<tr>
<td>BHS 3300 Cerebrovascular Testing/Lab</td>
<td>4</td>
</tr>
<tr>
<td>BHS 3400 Venous Testing/Lab</td>
<td>4</td>
</tr>
<tr>
<td>BHS 3500 Peripheral Arterial Testing/Lab</td>
<td>4</td>
</tr>
<tr>
<td>BHS 3800 Abdominal Sonography/Lab</td>
<td>4</td>
</tr>
<tr>
<td>BHS 3700 Clinical Preparation and Review</td>
<td>4</td>
</tr>
<tr>
<td>BHS 3830 Small Parts Sonography</td>
<td>3</td>
</tr>
<tr>
<td>BHS 3900 Obstetrics and Gynecology Ultrasound I</td>
<td>4</td>
</tr>
<tr>
<td>BHS 3910 Obstetrics and Gynecology Ultrasound II</td>
<td>4</td>
</tr>
<tr>
<td>BHS 4500 Clinical Externship I</td>
<td>6</td>
</tr>
<tr>
<td>BHS 4600 Clinical Externship II</td>
<td>7</td>
</tr>
<tr>
<td>BHS 4700 Clinical Externship III</td>
<td>8</td>
</tr>
<tr>
<td>MHS 5003 Current Trends and Cultural Issues in Health Care</td>
<td>3</td>
</tr>
<tr>
<td>MHS 5521 Ethical Issues in Health Care</td>
<td>3</td>
</tr>
<tr>
<td>MHS 5205 Writing for Medical Publication</td>
<td>3</td>
</tr>
<tr>
<td>MHS 5510 Research Methods</td>
<td>3</td>
</tr>
<tr>
<td>MHS 5403 Directed Studies in Medical Sonography I</td>
<td>3</td>
</tr>
<tr>
<td>MHS 5501 Epidemiology and Biostatistics</td>
<td>3</td>
</tr>
<tr>
<td>MHS 5404 Directed Studies in Medical Sonography II</td>
<td>4</td>
</tr>
<tr>
<td>MHS 5530 Principles of Management in Health Care</td>
<td>3</td>
</tr>
<tr>
<td>MHS 5107 Internship</td>
<td>5</td>
</tr>
<tr>
<td>MHS 5405 Directed Studies in Medical Sonography III</td>
<td>2</td>
</tr>
<tr>
<td>MHS 5207 Practicum</td>
<td>5</td>
</tr>
</tbody>
</table>

Total required for graduation with B.H.Sc.—General and Vascular Sonography: 63  
Transfer credits from previous bachelor's degree: 57  
Total semester hours required to complete the B.H.Sc.—GVS: 120  
Additional mandatory credits required for graduation with the M.H.Sc.: 37  
Total semester hours required to complete the B.H.Sc.—GVS and M.H.Sc. programs: 157*
SELECTION

Prospective general and vascular sonography students are selected by the Committee on Admissions (COA) through consideration of the overall qualities of the candidate.

Upon receipt of a completed application, either for the bachelor’s or master’s degree track; fees; credentials; and transcripts, the admissions officer for the general and vascular sonography program in the College of Health Care Sciences will review all material for evidence of the proper prerequisites, education, training, and background to enter the general and vascular specialization. The university reserves the right to modify any requirement on an individual basis as deemed necessary by the dean of the College of Health Care Sciences.

Areas of consideration include application content, academic record, letters of evaluation, and personal motivation. Upon receipt of the completed application, the COA will select applicants for interview. It is highly recommended that B.H.Sc. and M.H.Sc. applicants have or obtain meaningful and significant scientific, health care, and elder care work or volunteer experience in a health care facility. Applicants must be present for the interview. Expenses for the interview are the responsibility of the applicant.

The applicant who is applying to the M.H.Sc.—GVS program who has graduated from a college or university in a country where English is not the primary language, regardless of United States residency status, must obtain a minimum score of 600 on the written or 213 on the computerized Test of English as a Foreign language (TOEFL). An official set of scores must be sent directly from the Educational Testing Services in Princeton, New Jersey, to NSU’s EPS.

BACHELOR of HEALTH SCIENCE

Prerequisites for the Bachelor of Health Science

In order to be eligible for admission to the Bachelor of Health Science—General and Vascular Sonography, a student must have completed 30 semester hours of prerequisite education coursework with a minimum cumulative GPA of 2.75 on a 4.0 grading scale. The college requires students to earn a 2.0 or better in each prerequisite course.

Required B.H.Sc. Prerequisite General Education Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Required semester hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Composition (above Comp 1000)</td>
<td>3</td>
</tr>
<tr>
<td>Social and Behavioral Sciences</td>
<td>9</td>
</tr>
<tr>
<td>Humanities*</td>
<td>6</td>
</tr>
<tr>
<td>Human, Biological, and Physical Sciences**</td>
<td>6</td>
</tr>
<tr>
<td>Physics</td>
<td>3</td>
</tr>
<tr>
<td>Math*** (above Math 1000)</td>
<td>3</td>
</tr>
<tr>
<td>Subtotal General Education Courses</td>
<td>30</td>
</tr>
</tbody>
</table>

Note: Required general education courses cannot be survey courses.

* recommend 3 semester hours in foreign language
** Anatomy and Physiology I required
*** strongly recommend 3 semester hours in college algebra

Preferred but not Required Course

Anatomy and Physiology II
Prerequisites for the Master of Health Science

In order to be eligible for admission to the Master of Health Science—General and Vascular Sonography, a student must have completed 18 semester hours of prerequisite education coursework and have earned a bachelor’s degree from a regionally accredited institution, both with a minimum cumulative GPA of 2.75 to 3.0 on a 4.0 grading scale. The college requires students to earn a 2.0 or better in each prerequisite course.

Required M.H.Sc. General Education Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Required Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>English</td>
<td>3</td>
</tr>
<tr>
<td>Anatomy and Physiology I</td>
<td>3</td>
</tr>
<tr>
<td>Math (above Math 1000)</td>
<td>3</td>
</tr>
<tr>
<td>Physical, Human, and Biological Sciences</td>
<td>6</td>
</tr>
<tr>
<td>Physics</td>
<td>3</td>
</tr>
<tr>
<td>Subtotal General Education Courses</td>
<td>18</td>
</tr>
</tbody>
</table>

Note: Required general education courses cannot be survey courses.

Preferred but not Required Course

Anatomy and Physiology II
APPLICATION PROCEDURES


Applicants for admission must submit or be responsible for submission of

1. a completed application form along with a $50, non-refundable application fee

2. two letters of evaluation from individuals (other than relatives) such as academic advisers, professors, clinical or non-clinical supervisors, or community associates

3. official college-, certificate-, and/or diploma-based transcripts from all undergraduate and graduate institutions attended, sent directly from the institution to the Enrollment Processing Services (EPS)

4. copies of national and/or state professional certification, licensure, or registration, if applicable

5. evaluation of coursework taken at a foreign institution for U.S. institutional equivalence (if applicable)

Foreign coursework must be evaluated by one of the following services:

World Education Services, Inc.
P.O. Box 745
Old Chelsea Station
New York, New York 10113-0745
(212) 966-6311 • www.wes.org

Josef Silny & Associates
7101 SW 102nd Avenue
Miami, Florida 33173
Phone: (305) 273-1616 • Fax: (305) 273-1338
www.jsilny.com

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

6. a current curriculum vitae

B.H.Sc. Applicants Only

a student-prepared learning portfolio requesting assessment of prior experiences for academic credit (only for graduates from programs other than those from regionally accredited colleges or universities)

All admissions information should be sent to

NOVA SOUTHEASTERN UNIVERSITY
Enrollment Processing Services (EPS)
College of Health Care Sciences
General and Vascular Sonography Admissions
3301 College Avenue
P.O. Box 299000
Fort Lauderdale, Florida 33329-9905
Phone: (954) 262-1101 • Fax: (954) 262-2282

The Office of Admissions works on a rolling admissions basis. Applications are accepted year round. To ensure that your application receives prompt consideration, you should apply early.

The Committee on Admissions will not consider an application until all required fees, credentials, transcripts, and test scores have been received by the EPS.

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

The college reserves the right, and the student (by his or her act of matriculation) concedes to the college the right, to require his or her withdrawal any time the college deems it necessary to safeguard its standards of scholarship, conduct, and compliance with regulations, or for such other reasons as are deemed appropriate.

The dean and general and vascular sonography director reserve the right to require the student's withdrawal at any time for the above-mentioned reasons.
TRANSFER OF PREREQUISITE CREDITS

**B.H.Sc.**

An evaluation of transfer credit will be completed prior to the first semester of enrollment, and applicable credit will be transferred based on all final official transcripts received. Students will be advised to take courses based on the official evaluation in their file.

Transfer students must provide final official transcripts from all their previous colleges. Their previous academic work will then be evaluated. The B.H.Sc.—General and Vascular Sonography concentration will transfer a maximum of 30 prerequisite semester hours (grades of C or better).

**M.H.Sc.**

Students matriculated into the M.H.Sc.—General and Vascular Sonography concentration may petition for transfer of credits to the program. Up to, but not exceeding, 6 semester hours of graduate work may be considered for transfer from a regionally accredited institution. The courses considered for transfer must meet the goals and objectives of the M.H.Sc. course in question, and cannot be previously applied toward another awarded degree in or outside of NSU. The 57 semester hours of transfer credit from the previously received bachelor's degree will be applied to the B.H.Sc.—General and Vascular Sonography degree leading to the completion of the courses required for the M.H.Sc. degree. There are 100 effective on-campus and online credits required during the program.

**ACCREDITATIONS**

The Bachelor of Health Science Program is an established program within NSU's College of Health Care Sciences. The B.H.Sc. Program was officially approved by the NSU board of trustees in November 2002 on recommendation from the NSU New Program Review Committee.

The Master of Health Science is an established program within Nova Southeastern University's College of Allied Health and Nursing. This program was officially approved by the NSU board of trustees in 2009.

The vascular sonography program is professionally accredited through the Commission on Accreditation of Allied Health Education Programs—Joint Review Committee on Education in Diagnostic Medical Sonography (CAAHEP-JRCDMS) with recommendation from the Southern Association of Colleges and Schools (1866 Southern Lane, Decatur, Georgia 30033-4097, Telephone number: 404-679-4501) to award associate's, bachelor's, master's, educational specialist, and doctoral degrees.

**NONDISCRIMINATION**

Consistent with all federal and state laws, rules, regulations, and/or local ordinances (e.g., Title VI, Title VII, Title IX, Rehab Act, ADA, and Title X), 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, non-disqualifying 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, non-disqualifying 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.
COURSE DESCRIPTIONS • GENERAL AND VASCULAR SONOGRAPHY CORE COURSES

Credit Hours

BHS 3102  Ultrasound Physics I/Lab ............ 3
This course is designed to help the student acquire knowledge of all the fundamental principles and concepts necessary to understand the properties of sound and ultrasound as used in diagnostic imaging. These principles and concepts will span from basic properties of sound in soft tissue to advanced techniques such as Doppler, spectral analysis, M-mode, etc. as they pertain to evaluation for abdominal, ob-gyn, small parts, vascular, and cardiac ultrasound imaging. The students will also learn about artifacts, safety, and the concepts of bioeffects, as well as quality assurance and image storage.

BHS 3111  Advanced Anatomy and Physiology for the Health Professions ............ 4
This course is designed as an advanced survey of human physiology and functional anatomy. It will be presented following fundamental concepts in cellular physiology, as an organ system approach.

BHS 3200  Ultrasound Physics II/SPI Exam........ 1
This course is designed to review the principles and concepts learned in Ultrasound Physics I through quizzes and exams. It will help to prepare students for the Sonography Principles and Instrumentation (SPl) exam administered by the ARDMS. Students will take the exam after completion of the course.

BHS 3220  Introduction to Diagnostic Medical Sonography ....... 3
This course is designed to introduce students to the equipment used in diagnostic ultrasound. The course will be primarily taught in the ultrasound training laboratory in small groups. The focus of the course will be to lead students toward proficiency and competency in using the tools available on the ultrasound equipment for the production of quality images, as well as proper ergonomics and scanning techniques. This course is the foundation for all the following core courses.

BHS 3300  Cerebrovascular Testing/Lab ............ 4
This course will focus on hemodynamic principles and the use of ultrasound for the evaluation of the extracranial and intracranial cerebrovascular circulation. This course will have a strong hands-on component with students spending several hours per week in the ultrasound training laboratory. Lectures will focus on anatomy, pathologies, treatment options, and analysis of data obtained by ultrasound, as well as some other imaging techniques.

BSV 3400  Venous Testing/Lab ............ 4
This course will focus on the use of ultrasound for the evaluation of the venous circulation of the upper and lower extremities. This course will have a strong hands-on component with students spending several hours per week in the ultrasound training laboratory. Lectures will focus on anatomy, pathologies, treatment options, and analysis of data obtained by ultrasound, as well as some other imaging techniques.

BHS 3500  Peripheral Arterial Testing/Lab ............ 4
This course will focus on the use of ultrasound for the evaluation of the arterial circulation of the upper and lower extremities. This course will have a strong hands-on component with students spending several hours per week in the ultrasound training laboratory. Lectures will focus on anatomy, pathologies, treatment options, and analysis of data obtained by ultrasound and other technologies specific to vascular laboratories, as well as some other imaging techniques.
BHS 3800 Abdominal Sonography ............ 4
This course will review the abdominal anatomy and physiology associated with visceral and vascular disease, with a focus on cross-anatomy. It will have a strong hands-on component with students spending several hours per week in the ultrasound training laboratory learning to recognize normal sonographic anatomy, abnormal sonographic anatomy, and the diagnostic criteria for assessing visceral and abdominal vascular disease. Lectures will focus on the above mentioned aspects, as well as on how to collect patient information relevant to the different ultrasound studies and how to correlate with the sonographic findings. This course provides a foundation that will help students understand the clinical exam and the elements contributing to their role and the scope of practice as general sonographers.

BHS 3900 Obstetrics and Gynecology Ultrasound I ............ 4
This course will focus on the use of ultrasound for the evaluation of the organs in the human female pelvic cavity in both normal and abnormal, gravid and non-gravid anatomy and physiology. It will have a strong hands-on component with students spending several hours per week in the ultrasound training laboratory. The lectures will focus on the aspects previously mentioned, as well as on fetal abnormalities and abnormal conditions of the ferns. The course will explore infertility and assisted reproductive technologies.

BHS 3910 Obstetrics and Gynecology Ultrasound II ............ 4
This course is a continuation of Obstetrics and Gynecology Ultrasound I. It is a further comprehensive approach to in-depth studies of the organs contained within the human female pelvic cavity in both normal and abnormal, gravid and non-gravid anatomy and physiology. The course will focus on fetal abnormalities and abnormal conditions of the fetus.

BHS 3830 Small Parts Sonography ............ 3
This course will focus on the use of ultrasound for the evaluation of superficial structures such as the thyroid and parathyroid glands, breasts, male reproductive system, superficial soft tissue structures, shoulders, hands, and wrists, as well as the neonatal brain, pediatric spine, pediatric hip/pelvis, and pediatric abdomen. It will have a strong hands-on component with students spending several hours in the laboratory. Lectures will focus on relevant normal and abnormal anatomical and physiological aspects as well as on clinical findings, signs, and symptoms of diseases related to these areas.

BHS 3700 Clinical Preparation and Review ............ 4
This course will provide and reinforce the non-technical aspects of the profession of diagnostic medical sonography. This will include, but is not limited to, patient care, professionalism, and clinical rationale. This course will also prepare students for the clinical experience that follows in the second year.

BHS 4500 Clinical Externship I ............ 6
This course will mainly be provided through immersion in a clinical setting assigned by the end of the first year. Students will be a daily integral part of the operations of the diagnostic ultrasound department they have been assigned to for the length of the term. Students will report to the clinical coordinator or an assigned professor of the program at NSU.

BHS 4600 Clinical Externship II ............ 7
This course is a continuation of Clinical Externship I.

BHS 4700 Clinical Externship III ............ 8
This course is a continuation of Clinical Externship II.
BHS 3110  Health Care Ethics  ............... 3
This course is designed to introduce ethical thinking and concepts regarding health care to prepare the student with the essential vocabulary and thought processes to understand, evaluate, and participate in ethical decision making.

BHS 3120  Introduction to Epidemiology .... 3
This course is designed to introduce students to the history and development of epidemiology in relation to public health and disease. Communicable, epidemic, endemic, and social diseases will also be discussed.

BHS 3130  Research and Design for Health Care ... 3
This course is designed as an introduction to critical analysis of research and medical literature as well as basic research methods. The course includes an introduction to descriptive and inferential analysis and research design. Statistical and research concepts and procedures are combined with an emphasis on practical health care applications.

BHS 3150  Principles of Leadership ............ 3
This course will provide an overview of numerous leadership theories to prepare the student for a leadership role in health care. The course will critically analyze the differences between leadership and management.

BHS 3155  Conflict Resolution in Health Care ... 3
The purpose of this course is to develop an understanding of, and effective methods and strategies for reducing, the incidences of workplace conflict, including employee-employee, supervisor-subordinate, patient-patient, and patient/client-provider conflict.

BHS 3160  Health Care Policy  ............... 3
This course provides the student with a broad understanding of policy, how health care is organized and dispensed, and how the practitioner can better work in the system. Topics of discussion include cost control, long term care, quality control, ethical issues, and insurance.

BHS 4000  Cultural Competency in Health Care ... 3
The purpose of this course is to develop competency and better understanding when confronted with the practitioner's delivery of health care and issues related to diversity; ethnically based customs, rituals, and alternative health care choices; folk medicine; and cultural structure and viewpoints.

BHS 4100  Academic and Professional Writing ... 3
The purpose of this course is to introduce students to the format, content, and thought processes needed for successful academic and professional writing. This is accomplished through the use of the NSU B.H.Sc. Form and Style Manual as well as an introduction to APA and AMA manuals. An overview of proper sentence and paragraph structure, grammar, punctuation usage, formatting, and bibliographic referencing will be discussed.

BHS 4110  Health Care and Aging .......... 3
This course examines the psychosocial and cultural variations associated with maturing and aging. Topics covered will be an overview of life choices, living wills, and treatment, as well as cultural implications of senior care.
<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>Course Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>MHS 5003 Current Trends and Cultural Issues in Health Care</td>
</tr>
<tr>
<td>3</td>
<td>MHS 5205 Writing for Medical Publication</td>
</tr>
<tr>
<td>3</td>
<td>MHS 5501 Epidemiology and Biostatistics</td>
</tr>
<tr>
<td>3</td>
<td>MHS 5521 Ethical Issues in Health Care</td>
</tr>
<tr>
<td>3</td>
<td>MHS 5530 Principles of Management in Health Care</td>
</tr>
<tr>
<td>5</td>
<td>MHS 5107 Internship</td>
</tr>
<tr>
<td>5</td>
<td>MHS 5207 Practicum</td>
</tr>
</tbody>
</table>

This course serves to familiarize the student with current and cultural issues in health care that may impact the patient, the health care system, or the ability to deliver high-quality health care. Discussion and analysis of current and cultural topics facing those who work in health care will be explored.

This course is a study and review of quality medical writing techniques, issues, and procedures with an emphasis on cultivating personal style and content. Focus will be on writing for peer and evidence-based publications.

The ability to understand the conceptual and practical aspects of biostatistics and epidemiology in health care is critical to understanding research and analyzing population data about disease. This survey course will improve the ability of students to understand and apply these concepts.

The student will examine the ethical issues that confront health care providers and patients. The medical, scientific, moral, and socioeconomic bases of these issues and the decision-making process that providers and patients engage in are analyzed. Topics will include informed consent and the allocation of scarce resources.

This course will discuss the various principles of management and its associated issues as they relate to the modern health care professional. It will explore topics such as concepts of organizational management; decision making; strategic planning; resource management; and allocation, conflict, and the concept of power.

Students will complete 80 hours of internship in an area of interest within a health care organization outside of their regular places of employment. The final product of this internship is an in-depth SWOT analysis of the unit or health care organization. The internship site requires prior M.H.Sc.-faculty member approval.

The practicum is a cumulating experience for M.H.Sc. students. Under supervision of an M.H.Sc. faculty adviser, students will develop community-based health promotion and disease prevention interventions with underserved and/or nontraditional populations.
MHS 5403 Directed Studies in 
Medical Sonography I ........ 3

This course is the foundation of a three-tiered series that will culminate in a paper or poster presentation based on extensive research on a particular topic in diagnostic medical ultrasound/technology. In this first part of the course, the student will select a topic related to the field of diagnostic medical sonography/technology, obtain approval from the program director, and explore the foundation of that topic, including issues and questions.

MHS 5404 Directed Studies in 
Medical Sonography II ........ 4

This course is designed to lead the student in preparing a draft paper based on the research on the topic chosen in Directed Studies I.

MHS 5405 Directed Studies in 
Medical Sonography III ...... 2

This course concludes the series on Directed Studies. At the end of this course, the student will have a completed a final paper on the topic chosen in Directed Studies I. This paper needs to be suitable for potential publication or presentation at a local, regional, or national level.
The online Bachelor and Master of Health Science courses are offered via NSU College of Health Care Sciences’ state-of-the-art, Web-based, distance-learning technologies.

Students in the B.H.Sc. and M.H.Sc.—General and Vascular Sonography concentrations are provided with NSU computer accounts including email. Students, however, must obtain their own Internet service providers (ISP) and use their own computer systems (IBM-compatible PC or Apple Macintosh and a modem). New students receive an orientation and extensive online technical support dealing with online access, online tools and methods, and library resources.

Online interactive learning methods involve Web pages to access course materials, announcements, the electronic library, and other information, plus a range of online activities that facilitate frequent student-professor interaction. Faculty members and students interact via online forums using threaded bulletin boards, chatrooms, and email. Students are able to submit assignments as email attachments, through the use of online forms sent directly to program instructors, fax-to-fax, fax-to-email, and through Blackboard. Some online courses may include electronic classroom sessions.

Online students have online access to books, journal articles, microfiche, dissertations, index searches, catalog searches, and reference librarians. The online medical database collection at NSU is extensive and includes access to quality subscription services free of charge to the student.

The bachelor’s and master’s degree curricula for the general and vascular sonography program follow a lock-step model. This means that all courses (both online and on-campus) have to be taken and passed in sequence for students to progress in the program. Each term will have a blend of both online and on-campus courses for a full-time curriculum of study. The specific sequence of courses will be announced during orientation for each new entering class and is subject to change, if necessary.

**Computer Requirements**

All students are required to have access to a computer (PC or Apple equivalent) with the following minimum specifications:

- AMD or Intel dual-core processor
- Windows XP Pro running Service Pack 2 or better
- 4 GB RAM
- 250 GB Hard-drive
- CD-ROM drive (read-write)
- USB port
- high-speed Internet connection (cable, DSL, etc. 100 Mb/second or better)
- graphics printing capability
- video Webcam with microphone capability
Program Contact Information

Online:
- Website: www.nova.edu/sonography
- Online application: www.nova.edu/sonography/
  Click on “To Apply Online” at the bottom of the page

Phone:
- Vascular Sonography admissions office: (954) 262-1111 or 877-640-0218
- Vascular Sonography specialization office: (954) 262-1964 or 800-356-0026, ext. 21964

Mail:
- Nova Southeastern University
  College of Health Care Sciences
  Vascular Sonography
  3200 South University Drive
  Fort Lauderdale, Florida 33328-2018

Student Housing
Numerous apartments, condominiums, and other rental facilities are located near campus. Limited on-campus housing is also available. Information concerning on- and off-campus housing may be obtained by contacting

Nova Southeastern University
Office of Residential Life and Housing
3301 College Avenue
Fort Lauderdale, Florida 33314-7796

(954) 262-7052

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.
Tuition and Fees

Tuition for 2012–2013 is $18,000 for the Bachelor of Health Science—Vascular Sonography and $20,250 for the Master of Health Science—Vascular Sonography. Tuition for 2013–2014 will subsequently be posted on our Web site (www.nova.edu/healthsciences/generalvascular). In addition, there will be a $200 fee for the Sonography Physics and Instrumentation (SPI) Examination. A Health Professions Division general access fee of $145 is required each year. An NSU student services fee of $900 is also required annually. All tuition and fees are subject to change by the board of trustees without notice.

Acceptance Fee—$500. This fee is required to reserve the accepted applicant’s place in the entering first-year class, but is not refundable in the event of a withdrawal. It is payable within two weeks of an applicant’s acceptance.

Deposit—$250. This is due February 15, under the same terms as the Acceptance Fee.

Preregistration Fee—$250. This is due April 15 under the same terms as the Acceptance Fee.

University Technology Fee. This fee is not to exceed $100 when implemented.

The first semester’s tuition and fees, less the $1,000 previously paid, are due on or before registration day. Tuition for each subsequent semester is due on or before the appropriate registration day. Students will not be admitted until their financial obligations have been met.

Each student is required to carry adequate personal medical and hospital insurance. Students may avail themselves of the hospitalization insurance plan obtainable through the university.

Financial Aid

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

The Office of Student Financial Assistance at Nova Southeastern University is there to help as many qualified students as possible to complete their health professions education. Various loans, scholarships, and grants are available to qualified students to help ease the high cost of a health professions education. These financial assistance programs are described on our Web site (www.nova.edu/financialaid).

For information on financial assistance, contact

NOVA SOUTHEASTERN UNIVERSITY
Office of Student Financial Assistance
3301 College Avenue
Fort Lauderdale, Florida 33314-7796
(954) 262-3380 • 800-806-3680

NSU COLLEGE OF HEALTH CARE SCIENCES
VISION STATEMENT
The College of Health Care Sciences will be recognized as a local, national, and international leader in health-care education through excellence and innovation in teaching, scholarship, and service.

MISSION STATEMENT
The College of Health Care Sciences strives to provide professionals with the skills necessary for the diagnosis, treatment, and prevention of disease and disability in order to assure optimum health conditions in the community and beyond. With an unwavering commitment to ethical practice and in support of the Nova Southeastern University Core Values, the college endeavors to advance research, scholarship, and the development of leadership skills utilizing traditional educational methods, distance learning, and innovative combinations of both to achieve its educational goals.
The city of Fort Lauderdale is situated on the southeast coast of Florida. It is located in the east-central portion of Broward County, Florida, approximately 23 miles north of Miami and 42 miles south of Palm Beach, and is a short drive to the world-famous Florida Keys.

Encompassing more than 33 square miles with a population of nearly 167,000, Fort Lauderdale is the largest of Broward County's 30 municipalities and the seventh largest city in Florida. Embraced by the Atlantic Ocean, New River, and myriad scenic inland waterways, Fort Lauderdale truly lives up to its designation as the "Venice of America."

An advantageous economic climate is helping the city of Fort Lauderdale establish itself as a world-class international business center and one of the most desirable locations for new, expanding, or relocating businesses. Once known strictly as a tourism-based economy, Fort Lauderdale now supports a diverse range of industries, including marine, manufacturing, finance, insurance, real estate, high technology, avionics/aerospace, and film and television production.

Fort Lauderdale also offers an outstanding quality of life, highlighted by a semitropical climate; rich, natural beauty; and an array of cultural, entertainment, and educational amenities. Blessed with over 3,000 hours of sunshine each year and pleasant, year-round ocean breezes, world-famous Fort Lauderdale Beach offers premier opportunities for recreation, relaxation, and enjoyment. The picturesque Riverwalk serves as the cornerstone of the city's arts, science, cultural, and historic district. This district features the Broward Center for the Performing Arts, Museum of Discovery and Science, Museum of Art, and Old Fort Lauderdale Village and Museum. Las Olas Boulevard has gained international acclaim as Fort Lauderdale's centerpiece of fashion, fine dining, and entertainment.

A mecca for the avid sportsperson, the area features endless holes of golf; miles of wilderness trails for hiking and biking; unsurpassed snorkeling, diving, and deep-sea fishing; premier thoroughbred horseracing at Gulfstream Park; Florida Panthers ice hockey at the state-of-the-art BankAtlantic Center; and interactive exhibits at the International Game Fish Association's Fishing Hall of Fame and Museum. Select your sort of sport year round. With our more than 300 sports venues from aquatic complexes to sheets of ice, soccer fields, and tennis courts, Greater Fort Lauderdale is ideal for amateur and leisure sports. Year-round tennis venues include the Jimmy Evert Tennis Center in Fort Lauderdale, the Red Clay Court Facility in Coral Springs, and the Palm-Aire Tennis Facility in Pompano Beach. Three world-class Olympic aquatic complexes—the International Swimming Hall of Fame, Plantation Aquatic Complex, and Coral Springs Aquatic Complex—meet the needs for every aquatic sport. Along the Atlantic coastline, Greater Fort Lauderdale hosts numerous fishing tournaments and is home to the IGFA Fishing Hall of Fame and Museum. Underwater treasures are discovered in award-winning wreck and reef diving.

Through the cooperative efforts of residents, businesses, and local government, Fort Lauderdale has evolved into a city that offers the best of both worlds—an attractive business environment and an outstanding quality of life. Fort Lauderdale is a great place to live, work, and raise a family, and the city looks forward to continuing to build upon its success to meet the challenges of the 21st century and beyond.
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)
- Reznick Auditorium (125 seats)
- Terry Auditorium (125 seats)
- Auditorium A, B, and C (125 seats each)
- Robert A. Steele Auditorium (500 seats)
- Hull Auditorium (236 seats)
- Seminar Rooms

3 LIBRARY/LABORATORY BUILDING

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

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

THIRD FLOOR
- Basic Science Laboratories
- Gross Anatomy Laboratories
- Microscopy Laboratory
- Research Laboratories
- Morin Pharmacy Practice Laboratory
- Pharmaceutical Laboratory
- Pharmacology 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
- 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 Postgraduate Oral Surgery

SECOND FLOOR
- Faculty Practice
- Simulation Lab
- Postgraduate Endodontics
- Postgraduate Orthodontics
- Postgraduate Pediatric Dentistry
- Postgraduate Periodontics

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

7 PARKING GARAGE

8 HPD ASSEMBLY BUILDING

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

A.D. Griffin Sports Complex with Lighted Softball Fields
Administrative Services Center
Alvin Sherman Library, Research, and Information Technology Center
Athletics and Business Services Building
Athletics Fields
Athletics and Student Affairs Building
Carl DeBartolo Building
Cultural Living Center
Don Taft University Center
Farquhar Residence Hall
Founders Residence Hall
Health Professions Division Complex
Health Professions Division Parking Garage
Hearing and Balance Clinic
Horvitz Administration Building
Jim and Jen Moren Family Center Village
Leo Goodwin Sr. Hall
Leo Goodwin Sr. Residence Hall
Library and Main Student Parking Garage
Malmen-Hollywood Building
Malz Psychology Building
Miami Dolphins Training Facility
Parker Building
Rosenthal Student Center
The Commons Residence Hall
University Park Plaza
University School Lower School
University School Middle School (Dauer Building)
University School Upper (Menken Building)
Vettel Residence Hall

2023-10-01