Master of Science in Anesthesia Ft. Lauderdale 2017

Nova Southeastern University

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

NOVA SOUTHEASTERN UNIVERSITY—synonymous with dynamic innovation and intellectual challenge—is the second largest, private, nonprofit university in the Southeast and 1 of only 37 universities (out of more than 4,000) that have earned designations for both High Research Activity and Community Engagement from the Carnegie Foundation for the Advancement of Teaching. Situated on a beautiful, 314-acre campus in Fort Lauderdale, Florida, the university is experiencing a sustained period of academic growth, fiscal strength, and commitment to the challenges of the 21st century.

In this environment of expansion and stability, the university is capitalizing on its strengths in such areas as academic innovation, comprehensive clinical training, and flexible educational delivery systems. Founded in 1964 as Nova University, the institution merged with Southeastern University of the Health Sciences in 1994, creating Nova Southeastern University. To date, the institution has more than 170,000 alumni and current enrollment of more than 23,000 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 Fort Lauderdale/Davie Campus, at NSU’s regional campuses, 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 $570 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 60 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 (HPD) 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 HPD 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.
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, physical, and respiratory therapy; physician assistant; audiology; medical and cardiovascular sonography; anesthesiologist assistant; speech-language pathology; athletic training; exercise and sport science; 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.

Stanley Wilson, Ed.D., PT, CEAS
Dean, College of Health Care Sciences
Certified anesthesiologist assistants (CAAs), also known as anesthetists, are highly educated and skilled allied health professionals. They work under the supervision of physician anesthesiologists to develop and implement anesthesia care plans. Certified anesthesiologist assistants work exclusively within the anesthesia care team environment as described by the American Society of Anesthesiologists (ASA). Certified anesthesiologist assistants possess a premedical background, a baccalaureate degree, and also complete a comprehensive didactic and clinical program at the graduate school level. Certified anesthesiologist assistants are trained extensively in the delivery and maintenance of quality anesthesia care as well as advanced patient monitoring techniques. The mission of the anesthesiologist assistant (AA) program is to prepare students for lifelong learning and leadership roles that will benefit the health care community. The educational process will be committed to training and educating competent anesthetists who will embrace the anesthesia care team to provide safe, quality, and compassionate anesthesia care for all degrees of illness for the surgical patient.

The Master of Science in Anesthesia program is dedicated to developing a well-rounded practicing CAA. Faculty members and current students are dedicated to the following objectives:

• to prepare competent, entry-level anesthesiologist assistants in the cognitive (knowledge), psychomotor (skills), and affective (behavior) learning domains

• to develop vigilant, knowledgeable, skilled, and compassionate anesthesia care providers who are capable of functioning within the anesthesia care team model in the delivery of all perioperative anesthesia services

• to inspire and prepare the future leaders in our profession for service in local, state, and national organizations that shall advance the utilization and practice of certified anesthesiologist assistants

• to advance anesthesiologist assistant education through the application of state-of-the-art technology and evidence-based learning practices that continue to support our student learning objectives

• to develop highly skilled, interdisciplinary, and culturally sensitive faculty members and students who model professionalism and exemplify ethical practice, effective communication, and organizational leadership

• to support the mission and goals of Nova Southeastern University, including our department, college, and division, in the provision of scholarship, service, teaching, and patient care
The Master of Science in Anesthesia (M.S.) program is fully accredited by the Commission on Accreditation of Allied Health and Education Programs (CAAHEP). The 27-month program consists of an intensive academic and didactic program that will prepare the student to function within the anesthesia care team. The students will get an extensive clinical training experience that will consist of a minimum of 2,000 clinical hours that encompass all aspects of anesthesia care for the surgical patient. Upon completion of the course of study, students will have earned a Master of Science in Anesthesia degree from Nova Southeastern University.

Students are trained in state-of-the-art facilities. Our classrooms feature high-definition technology providing crisp visual presentation of course materials and video recording capabilities that allow students to review course lectures. The student’s educational experience is enhanced by two of the largest, fully functional operating rooms. The NSU Master of Science in Anesthesia programs are the only ones in the country to have four high-fidelity anesthesia simulators (two adult, one pediatric, and one baby). A student library, lounge, and study center area complete the AA facilities.

The first year (semesters 1, 2, 3, and 4) encompasses an in-depth course of study in the fundamentals of anesthesia through close, personal interaction with highly qualified faculty members and the latest available anesthesia technology. Student learning is advanced through integrated anesthesia simulation. Students will master all aspects of anesthesia practice through advanced simulation including regional anesthesia and spinal and epidural techniques. Clinical experience begins in the first year and will increase as the year progresses.

The senior year (semesters 5, 6, and 7) will consist of clinical rotations assigned in intervals ranging from two weeks to two months. During the senior year, clinical rotations are full time and involve all specialty areas in anesthesia, including general surgery, pediatrics, obstetrics and gynecology, otolaryngology, orthopedics, neurosurgery, ophthalmology, genitourinary surgery, vascular surgery, cardiac surgery, thoracic surgery, transplantation, and trauma. Clinical rotations include days, evenings, nights, weekends, and on-call—depending upon the rotation.

NSU’s Master of Science in Anesthesia programs will prepare the student for the national certification exam administered by the National Board of Medical Examiners under the auspices of the National Commission for the Certification of Anesthesiologist Assistants. The certification process involves successfully completing the Certifying Examination for Anesthesiologist Assistants for initial certification; registration of continuing medical education credits every two years; and successful completion of the Examination for Continued Demonstration of Qualifications every six years.

Due to the highly integrated curriculum, the program requires admitted students to complete the entire program course of study. No advanced placement, transfer of credit, or credit for experiential learning will be granted.
WHAT IS THE TYPICAL JOB DESCRIPTION FOR A CAA?

The specific job descriptions and duties of CAAs may differ according to geographic area and local practice. State law or board of medicine regulations or guidelines may further define the job descriptions of CAAs. Certified anesthesiologist assistants practice under the direction of a qualified anesthesiologist. The CAA’s functions include, but are not limited to, the following:

- obtaining an appropriate and accurate preanesthetic health history, performing an appropriate physical examination, and recording pertinent data in an organized and legible manner
- conducting diagnostic laboratory and related studies as appropriate, such as drawing arterial and venous blood samples
- performing and monitoring regional anesthesia including (but not limited to) spinal, epidural, IV regional, and other special techniques, such as local infiltration and nerve blocks
- performing the insertion of invasive monitoring modalities, such as arterial lines, pulmonary artery catheterization, and central venous lines, as delegated by the supervising anesthesiologist
- administering anesthetic agents and any controlled substances under the medical direction of a supervising anesthesiologist including, but not limited to, administration of induction agents, maintaining and altering anesthesia levels, administering adjunctive treatment, and providing continuity of anesthetic care into and during the postoperative recovery period
- establishing airway interventions and performing ventilatory support
- applying and interpreting advanced monitoring techniques
- using advanced life support techniques, such as high-frequency ventilation and intra-arterial cardiovascular assist devices
- making post-anesthesia patient rounds by recording patient progress notes, compiling and recording case summaries, and transcribing standing and specific orders
- evaluating and treating life-threatening situations, such as cardiopulmonary resuscitation, on the basis of established protocols (BLS, ACLS, and PALS)
- performing duties in intensive care units, pain clinics, and other settings, as appropriate
- training and supervising personnel in the calibration, troubleshooting, and use of patient monitors
- performing administrative duties in an anesthesiology practice or anesthesiology department, such as patient record management, procedure coding and billing, and management of personnel
- participating in the clinical instruction of others

WHAT IS THE ACCREDITING BODY FOR AN AA COURSE OF STUDY?

The Commission on Accreditation of Allied Health Education Programs (CAAHEP) accredits AA training programs.

Commission on Accreditation of Allied Health Education Programs
25400 U.S. Highway 19 North
Suite 158
Clearwater, Florida 33763
Phone: (727) 210-2350
Fax: (727) 210-2354
Website: caahep.org
WHAT IS THE CERTIFICATION PROCESS FOR A CAA?

The National Commission for Certification of Anesthesiologist Assistants (NCCAA) was founded in July 1989 to develop and administer the certification process for AAs in the United States. Graduates or senior students in an AA educational program that has been accredited by CAAHEP may apply for initial certification. Initial certification is awarded to an AA who has successfully completed the Certifying Examination for Anesthesiologist Assistants administered by the NCCAA in collaboration with the National Board of Medical Examiners (NBME). Certified AAs are permitted to use the designation CAA to indicate that they are currently certified.

DOES A CAA HAVE TO RECERTIFY?

Yes. In order to maintain certification after passing the initial examination, CAAs must submit documentation to the NCCAA that they have completed 40 hours of continuing medical education (CME) every two years. In addition, every six years they must pass the Examination for Continued Demonstration of Qualifications (CDQ).

WHERE WOULD A CAA PRACTICE?

The use of CAAs within the anesthesia care team across the country is a dynamic and evolving process. Therefore, in order to get the latest and most accurate information, please contact your state board of medicine or the American Academy of Anesthesiologist Assistants.

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.
### Curriculum Outline

**START DATE:** JUNE  
**LENGTH:** 27 MONTHS  
**DEGREE:** Master of Science in Anesthesia

**TOTAL CREDIT HOURS:** 104  
**MINIMUM CLINICAL HOURS:** 2,000  
**NOTE:** ALL COURSES WITH THE MHS PREFIX WILL BE TAKEN ONLINE.

#### Summer—Semester I (June–August)

<table>
<thead>
<tr>
<th>COURSE #</th>
<th>COURSE TITLE</th>
<th>CREDIT HOURS</th>
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</thead>
<tbody>
<tr>
<td>ANES 5048</td>
<td>Medical Terminology</td>
<td>1</td>
</tr>
<tr>
<td>ANES 5081</td>
<td>Introduction to Clinical Anesthesia</td>
<td>2</td>
</tr>
<tr>
<td>ANES 5301</td>
<td>Anesthesia Laboratory I</td>
<td>3</td>
</tr>
<tr>
<td>ANES 5328</td>
<td>ECG for Anesthesiologist Assistants</td>
<td>2</td>
</tr>
<tr>
<td>ANES 5621</td>
<td>Principle of Airway Management I</td>
<td>2</td>
</tr>
<tr>
<td>ANA 5420</td>
<td>Anatomy</td>
<td>5</td>
</tr>
<tr>
<td>PHS 5400</td>
<td>Physiology</td>
<td>3</td>
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</tbody>
</table>

**TOTAL CREDIT HOURS:** 18  
*Basic Life Support Certification and Advanced Cardiac Lifesaving will be obtained during this semester.*

#### Fall—Semester II (September–December)

<table>
<thead>
<tr>
<th>COURSE #</th>
<th>COURSE TITLE</th>
<th>CREDIT HOURS</th>
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</thead>
<tbody>
<tr>
<td>ANES 5302</td>
<td>Anesthesia Laboratory II</td>
<td>3</td>
</tr>
<tr>
<td>ANES 5462</td>
<td>Pharmacology for Anesthesia I</td>
<td>2</td>
</tr>
<tr>
<td>ANES 5601</td>
<td>Applied Physiology for Anesthesia Practice I</td>
<td>3</td>
</tr>
<tr>
<td>ANES 5622</td>
<td>Principle of Airway Management II</td>
<td>2</td>
</tr>
<tr>
<td>ANES 5801</td>
<td>Instrumentation and Monitoring I</td>
<td>2</td>
</tr>
<tr>
<td>ANES 5901</td>
<td>Anesthesia Principle and Practices I</td>
<td>2</td>
</tr>
<tr>
<td>ANES 5328</td>
<td>Principles of Perioperative Life Support*</td>
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<tr>
<td>MHS 5205</td>
<td>Writing for Medical Publication</td>
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**TOTAL CREDIT HOURS:** 20

#### Winter—Semester III (January–May)

<table>
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<th>CREDIT HOURS</th>
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<tbody>
<tr>
<td>ANES 5001</td>
<td>Clinical Anesthesia I</td>
<td>3</td>
</tr>
<tr>
<td>ANES 5303</td>
<td>Anesthesia Laboratory III</td>
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<tr>
<td>ANES 5463</td>
<td>Pharmacology for Anesthesia II</td>
<td>2</td>
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<tr>
<td>ANES 5602</td>
<td>Applied Physiology for Anesthesia Practice II</td>
<td>3</td>
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<tr>
<td>ANES 5802</td>
<td>Instrumentation and Monitoring II</td>
<td>1</td>
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<tr>
<td>ANES 5902</td>
<td>Anesthesia Principle and Practices II</td>
<td>2</td>
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<tr>
<td>ANES 5101</td>
<td>Student Lecture Series I</td>
<td>1</td>
</tr>
</tbody>
</table>

**TOTAL CREDIT HOURS:** 15  
*Minimum Clinical experience: 150 hrs.*

#### Summer—Semester IV (June–August)

<table>
<thead>
<tr>
<th>COURSE #</th>
<th>COURSE TITLE</th>
<th>CREDIT HOURS</th>
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<tbody>
<tr>
<td>ANES 5002</td>
<td>Clinical Anesthesia II</td>
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<tr>
<td>ANES 5304</td>
<td>Anesthesia Laboratory IV</td>
<td>3</td>
</tr>
<tr>
<td>ANES 5903</td>
<td>Anesthesia Principle and Practices III</td>
<td>2</td>
</tr>
<tr>
<td>ANES 5102</td>
<td>Student Lecture Series II</td>
<td>1</td>
</tr>
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</table>

**TOTAL CREDIT HOURS:** 9  
*Minimum Clinical experience: 144 hrs.*

*Pediatric Advanced Cardiac Lifesaving will be obtained during this semester.*
Clinical Year, Fall—Semester V  
(September–December)

<table>
<thead>
<tr>
<th>COURSE #</th>
<th>COURSE TITLE</th>
<th>CREDIT HOURS</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANES 6001</td>
<td>Clinical Anesthesia III</td>
<td>13</td>
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</tbody>
</table>

**TOTAL CREDIT HOURS** .................................. 13

Minimum Clinical experience: 675 hrs.

Clinical Year, Winter—Semester VI  
(January–May)

<table>
<thead>
<tr>
<th>COURSE #</th>
<th>COURSE TITLE</th>
<th>CREDIT HOURS</th>
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</thead>
<tbody>
<tr>
<td>ANES 6002</td>
<td>Clinical Anesthesia IV</td>
<td>15</td>
</tr>
<tr>
<td>ANES 6110</td>
<td>Anesthesia Review</td>
<td>2</td>
</tr>
</tbody>
</table>

**TOTAL CREDIT HOURS** .................................. 17

Minimum Clinical experience: 675 hrs.

Clinical Year, Summer—Semester VII  
(June–August)

<table>
<thead>
<tr>
<th>COURSE #</th>
<th>COURSE TITLE</th>
<th>CREDIT HOURS</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANES 6003</td>
<td>Clinical Anesthesia V</td>
<td>12</td>
</tr>
</tbody>
</table>

**TOTAL CREDIT HOURS** .................................. 12

Minimum Clinical experience: 356 hrs.

Curriculum is subject to change as directed by the department.
The Master of Science in Anesthesia curriculum includes some coursework (5 credits) designed to be completed in a distance-learning format. These courses complement student learning through interactive activities taught by an experienced faculty.

Students in the program are provided with NSU computer accounts including email. Students must obtain their own Internet service providers (ISP), use their own computer systems (PC or Apple Macintosh), and purchase a smartphone. New students receive an orientation and extensive online technical support dealing with online access, online tools and methods, and library resources. The online medical database collection at NSU is extensive and includes access to quality subscription services that are free for the student.

**COMPUTER REQUIREMENTS**

All students are required to have a computer with the following minimum specifications:

- 2 GB RAM
- video and monitor capable of 1024 X 768 resolution or better
- sound card and speakers
- high-speed Internet connection with Internet service provider
- Windows 7 or equivalent MAC OS
- Microsoft Office 2000 or newer with PowerPoint, Word, and Excel minimum
- printer capability
- Android or iPhone smartphone (for use with electronic evaluations)
Nova Southeastern University participates in the Centralized Application Service for Anesthesiologist Assistants (CASAA) for the receipt and processing of all applications. CASAA takes no part in the selection of students. The CASAA may take up to six weeks verifying supporting documents. Therefore, early application is highly recommended. Applicants must

- complete the online CASAA application before February 15 (All applicants should apply online at https://casaa.liaisoncas.com.)
- send the following supporting documents directly to CASAA:
  - all official college transcripts from all undergraduate, graduate, and professional institutions attended (sent to CASAA directly from the institutions)
  - three evaluation forms from supervisors or colleagues, clinical or nonclinical
  - resume or curricula vitae
  - copies of national and professional certifications or licenses by a recognized certifying body (if applicable)
  - summary of an article published in a current anesthesia journal
  - evidence of eight hours of documented anesthesia exposure

Once the CASAA application has been received by Nova Southeastern University, an NSU supplemental application will be made available to applicants. The NSU application is available beginning April 15 until March 15 of the next year. In addition to completing the online NSU supplemental application, applicants must submit the following:

- $50, nonrefundable application fee
- official Graduate Record Examination (GRE) scores

GRE scores must be less than five years old from the date of application and must be taken early enough for official scores to be received by the CASAA deadline of February 15.

The NSU code number is 5522.

Completed NSU applications without a completed CASAA application will not be considered.

After NSU receives the supplemental application, the $50 fee, and GRE scores, the applicant’s application will be reviewed. The Committee on Admissions will not consider an application until all required fees, credentials, and evaluations have been received by NSU.

If applicant attended or is a graduate of a foreign institution, all coursework from the foreign institution must be evaluated for U.S. institutional equivalence. The official evaluation must be sent directly from an approved National Association of Credential Evaluation Services (NACES) evaluation service, 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 • wes.org

**Josef Silny and Associates, Inc.**
7101 SW 102nd Avenue
Miami, Florida 33173
(305) 273-1616 • (305) 273-1388 (fax)
josifny.com

**Educational Credential Evaluators, Inc.**
P.O. Box 514070
Milwaukee, Wisconsin 53203-3470
(414) 289-3400 • 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 CASAA.
Personal Interview
Personal interviews are by invitation only and are an integral part of the admissions process. Not all applicants will be granted an interview by the program, and an interview is not a guarantee of admission. The program processes applications on a “rolling” or periodic basis. It is in the best interest of prospective students to complete their applications early because of the limited number of positions in the class.

Current College Coursework
All prerequisite coursework must be completed by the start of class in order to be considered for admission. If, at the time of the application, coursework is in progress or anticipated, please identify these courses on the supplemental application.

Transcripts
All applicants who are accepted must submit official transcripts of all completed coursework to the NSU Enrollment Processing Services prior to matriculation. It is the responsibility of the applicant to ensure that arrangements are made for these transcripts to be sent to

Nova Southeastern University
Enrollment Processing Services
College of Health Care Sciences
Anesthesiologist Assistant Admissions
3301 College Avenue, P.O. Box 29900
Fort Lauderdale, Florida 33329-9905
Prospective anesthesiologist assistant students are selected by the Committee on Admissions (COA), which considers the overall qualities of the applicant. Areas of consideration include interpersonal skills, personal motivation, knowledge and understanding of the AA profession and the Anesthesia Care Team, academic performance and level of achievement, life experiences, and recommendations. Personal interviews are offered to the most qualified applicants to assess interpersonal and communication skills, altruistic attitude, maturity, and commitment to the AA profession and anesthesia care team model.

Applicants must submit the following:
1. evidence of a baccalaureate degree from a nationally recognized and regionally accredited college or university, including above-average performance in courses required in a premed curriculum (refer to required courses below)

REQUIRED COURSES

<table>
<thead>
<tr>
<th>Course</th>
<th># of Semesters Needed</th>
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</thead>
<tbody>
<tr>
<td>General biology with lab OR</td>
<td>2</td>
</tr>
<tr>
<td>Anatomy and physiology with lab</td>
<td>2</td>
</tr>
<tr>
<td>General chemistry with lab</td>
<td>2</td>
</tr>
<tr>
<td>Organic chemistry with lab</td>
<td>1</td>
</tr>
<tr>
<td>Biochemistry</td>
<td>1</td>
</tr>
<tr>
<td>General Physics with lab</td>
<td>2</td>
</tr>
<tr>
<td>Calculus</td>
<td>1</td>
</tr>
<tr>
<td>English composition</td>
<td>1</td>
</tr>
</tbody>
</table>

PREFERRED COURSES—NOT REQUIRED

<table>
<thead>
<tr>
<th>Course</th>
<th># of Semesters Needed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Anatomy with lab</td>
<td>1</td>
</tr>
<tr>
<td>Physiology</td>
<td>1</td>
</tr>
<tr>
<td>Organic chemistry</td>
<td>a second semester</td>
</tr>
<tr>
<td>Microbiology*</td>
<td>1</td>
</tr>
<tr>
<td>Cellular and molecular biology*</td>
<td>1</td>
</tr>
</tbody>
</table>

*An advanced course in microbiology or cellular and molecular biology is preferred and would meet one semester of the general biology requirement. 1 semester = 1.5 quarters

Note: A 2.0 (C) or better is required in all prerequisite classes.

2. official transcripts of all undergraduate and graduate coursework

3. evidence of a minimum cumulative GPA of 2.75 on a 4.0 grading scale—minimum GPA of 3.25 preferred

4. Graduate Record Examination (GRE) or Medical College Admissions Test (MCAT) scores (must have been taken within the past five years and must be taken early enough for official scores to be received by admissions office by the supplemental application due date of March 15)

NSU’s GRE code is 5522.

The GRE information can be obtained from gre.org. Information for the MCAT is at aamc.org/students/mcat.

5. three letters of recommendation from individuals familiar with the applicant’s prior academic performance, potential, character, work habits, and suitability for graduate study leading into a career in clinical practice

6. documented anesthesia exposure—by observation in the operating room—of at least eight hours

7. summary of an article published in a current anesthesia journal

8. demonstrated evidence of computer skills, through coursework or self-study, prior to the end of the first semester (instruction may be obtained through NSU Student Microcomputer Laboratory or other training facilities)

The applicant who has graduated from a college or university of a country for which 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 Service in Princeton, New Jersey, to NSU’s EPS.
Tuition for 2017–2018 will be posted on our website (nova.edu/chcs/healthsciences/anesthesia/index.html). 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. In addition, a clinical support fee of $475 will be assessed in each of the five semesters of clinical training. All tuition and fees are subject to change by the board of trustees without notice.

1. 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.

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

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

The first semester’s tuition and fees, less the $1,000 previously paid, are due on or before registration day. Tuition for each subsequent semester is due on or before the appropriate registration day. Students will not be admitted until their financial obligations have been met. The financial ability of applicants to complete their training at the college is important because of the limited number of positions available in each class. Applicants should have specific plans for financing 27 months of professional education. This should include tuition, living expenses, books, equipment, and miscellaneous expenses.

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.

Students should anticipate spending approximately $19,000 per year for living expenses. In addition, students should anticipate spending $5,000 for books and equipment during the 27-month program. If the student participates in clinical rotations outside the South Florida area, the student may incur additional housing and other living expenses.

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

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

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

A limited number of part-time work assignments are available. However, due to the demands of the program curriculum, the program strongly discourages any outside employment.
Additional Sources of Information

With an emphasis on leadership and professional development, and to maximize the governmental and political understanding of the AA profession, students in the Master of Science in Anesthesia Program at NSU will be required to obtain student membership with the American Academy of Anesthesiologist Assistants (AAAA), American Society of Anesthesiologists (ASA), Florida Society of Anesthesiologists (FSA), and Florida Academy of Anesthesiologists Assistants (FAAA). Participation via attendance at the annual conferences for the organizations listed above is highly encouraged.

- For information on a career as a certified anesthesiologist assistant, contact

  **American Academy of Anesthesiologist Assistants**
  1231 Collier Road, NW
  Suite J
  Atlanta, Georgia 30318
  Toll Free: 888-443-6353
  Email: aaaa@societyhq.com
  Website: anesthetist.org

- For information on the certification process for certified anesthesiologist assistants, contact

  **National Commission for Certification of Anesthesiologist Assistants**
  1500 Sunday Drive, Suite 102
  Raleigh, North Carolina 27607
  Telephone: (919) 573-5439
  Toll Free: 877-558-0411
  Fax: (919) 573-5440
  Email: business.office@aa-nccaa.org
  Website: aa-nccaa.org

- For information about the anesthesia care team, contact

  **American Society of Anesthesiologists**
  520 N. Northwest Highway
  Park Ridge, Illinois 60068-2573
  Website: asahq.org

  **Florida Society of Anesthesiologists**
  701 Brickell Avenue
  Suite 1550
  Miami, Florida 33131
  Phone: (786) 300-3183
  Fax: (310) 437-0585
  Email: executiveoffice@fsahq.org
  Website: http://www.fsahq.org/

- For information about the NSU AA program or to request an AA admissions application packet, please contact the NSU admissions office.

  Nova Southeastern University
  Health Professions Division
  Master of Science in Anesthesia
  3200 South University Drive
  Fort Lauderdale, Florida 33328-2018
  Telephone: (954) 262-1101
  Toll Free: 800-356-0026, ext. 21101
  Website: nova.edu/mhs/anesthesia

Disclaimer: Links to non-NSU sites are provided for your convenience and do not constitute an endorsement.
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
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, NSU Art Museum Fort Lauderdale, 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 horse racing at Gulfstream Park; and Florida Panthers ice hockey at the state-of-the-art BB&T Center. 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 International Game Fish Association (IGFA) Fishing Hall of Fame and Museum with its interactive exhibits. 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.