

2026–2027

STUDENT ACADEMIC CATALOG
GRADUATE PROGRAMS

NSU Florida

College of Computing,
AI and Cybersecurity

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Nova Southeastern University
Institutional Governance

Foreword

This Student Handbook/Academic Catalog contains university-wide information, policies, and procedures applicable to all students for the academic year 2026–2027 and will remain in effect until superseded. This Student Handbook/Academic Catalog supersedes all prior versions, and the content of this Student Handbook/Academic Catalog shall govern and control any conflicts of information or policies in other university, college or program documents, directives, or website postings. The Student Handbook/Academic Catalog is the governing document for all university, college, and program-related information, unless expressly stated otherwise in an adjoining college and program student handbook. It is the responsibility of every student to be aware of, and compliant with, the policies and procedures of this Student Handbook/Academic Catalog. Failure to read and be cognizant of the content of this Student Handbook/Academic Catalog does not excuse students from adherence with NSU rules, policies, and procedures contained in it.

For the purpose of promoting its educational mission to foster an environment where students grow and flourish in intellectual achievement, NSU has the inherent right to preserve order, respect and tolerance, honesty and integrity, and uphold institutional consistency through the setting of academic and conduct standards and the prescribing of procedures for the enforcement of such standards. In addition to maintaining order and consistency, whenever possible, the university aims to utilize its disciplinary procedures as a developmental process. In accordance with this philosophy, educational assignments may be added to any disciplinary -sanction. The foundation underlying such student standards relies on the tenet that the exercise of individual rights must be accompanied by an equal amount of responsibility and accountability. This ensures that the same rights are not denied to others. By becoming a member of the university community, a student acquires rights in, as well as responsibilities to, the whole university community. These rights and responsibilities are included in this Student Handbook/Academic Catalog.

Students are required to comply with all NSU regulations as well as all local, city, county, state, and federal laws at all times. All students are subject to the policies and procedures as contained herein. The term “students” includes any individual enrolled in a course or academic program offered by NSU, whether in a degree-seeking program or not. In addition, any student residing in university residence facilities is subject to these policies and procedures and disciplinary sanctions for violations occurring within those facilities. Any act that constitutes a violation or an attempt to violate any of the policies or procedures contained herein may establish cause for disciplinary and/or legal action by the university. In circumstances where this Student Handbook/Academic Catalog defines a violation more stringently or differently than local/state law, the Student Handbook/Academic Catalog’s definition shall supersede. The university is not limited to or bound by the definitions contained in the local/state statutes or case law in addressing student academic or conduct violations.

Students are also subject to rules and regulations established by academic programs of the various NSU schools and colleges such as the Code of Student Conduct and Academic Responsibility. Students should familiarize themselves with their individual college and program academic, conduct, and professionalism standards, in addition to the information contained in this NSU Student Handbook/Academic Catalog.

Students who engage in conduct that is disruptive or endangers their own health or safety, or the health or safety of others, may be required to participate and make satisfactory progress in a program of medical evaluation and/or treatment if they are to remain at the university, reside in university housing, participate

in any program, service, or activity offered by NSU, or if their physical presence is to be permitted on campus or university properties will be referred to the NSU Student Behavioral Concerns Committee for determination as to the student's participation and progress in a particular program. NSU reserves the right to place conditions upon or require the withdrawal of a student from enrollment, university housing, or participation in any program, service, or activity offered by NSU, and/or to prohibit the student's physical presence on university campuses and properties when the student's continuation or presence therein, in the university's judgment, may compromise to the health or safety of the student or others. Policies and procedures associated with the Student Behavioral Concerns Committee can be found on the NSU Student Conduct website at *nova.edu/studentconduct/Student%20Behavioral%20Concerns%20Committee%20Policies.html*.

In lieu of, or in addition to, disciplinary action, NSU also reserves the right to impose fines, take legal action, rescind housing privileges, revoke study abroad privileges, withhold student records, revoke other privileges, and impose other measures as it deems appropriate based on the circumstances. Students should also be aware that disciplinary action may impact eligibility for scholarships or other institutional financial aid. Students may also be subject to disciplinary proceedings for acts committed before their admission and/or enrollment at NSU.

Reservation of Power

NSU's Student Handbooks and Academic Catalogs are not intended to form a contract or be part of a contractual agreement between NSU and the student, but rather provide guidance for academic and conduct standards and information as to the university policies and procedures. Handbooks and catalogs are deemed in effect upon publishing online and will remain in effect until superseded by either a new handbook/catalog or by a modified version, which is available at *nova.edu/student-handbook* and at *nova.edu/academics/course-catalog.html*. From time to time, it may be advisable for the university to alter or amend its procedures, policies, and/or the modality of instruction. NSU reserves the right to make such changes at any time. Reasonable notice may be furnished to the university community of any substantive change but is not required. It is the responsibility of each student to stay informed about any changes by reviewing them as published on the NSU website at *https://www.nova.edu/student-affairs/student-handbooks.html*.

The most current versions of the NSU Student Handbook and Academic Catalogs are published online and they supersede all previous online or printed versions of handbooks and catalogs. The currently published versions of each will control in the event of any ambiguity or conflicting policy with what may have been stated in an earlier version of the same. University policies are maintained in *PolicyStat* and will control in the event of any inconsistency or ambiguity with policies in this handbook or a catalog. Furthermore, the colleges, schools, departments, and academic programs may establish additional or more restrictive policies consistent with this handbook. Where such policies differ, the policy of the applicable college, school, department, or academic program will control, provided that it does not conflict with any applicable university policy maintained in *PolicyStat*.

Flexibility in Policies

University policies are intended to describe some of the expectations of members of the university community, as well as outline the university's community policies and programs. They are intended to be used as guidelines and do not create an express or implied contract which cannot be changed or modified. Circumstances not specifically addressed in university policies will be handled on a case-by- case basis by the appropriate official selected by the university. As the need may arise, the university reserves the right to, in its sole discretion, modify, revise, supplement, rescind, suspend, terminate, or change its policies, procedures, programs, activities, and services, in whole or in part, to the fullest extent permitted by law.

Glossary of Terms

For purposes of this handbook, the following terms shall have the meanings set forth below. These definitions apply throughout this handbook unless otherwise specified in a particular policy, college, or academic program.

Academic catalog / catalog: The official publication outlining academic programs, requirements, and policies for each college or academic unit.

Academic program: A course of study offered by a college or academic unit leading to a degree, certificate, or credential.

Admissions: The process by which an individual applies for and is considered for acceptance into an academic program at NSU, including the review of application materials, determination of eligibility, and issuance of an admission decision.

Business days: Monday through Friday, Eastern Standard Time (EST), excluding university-observed holidays.

Campus / NSU campus: Any property, facility, or location owned, leased, operated, or otherwise controlled by NSU, including the Fort Lauderdale/Davie campus and all regional campuses and instructional sites.

Campuses / NSU campuses: Collectively, all campuses, instructional sites, and facilities owned, leased, operated, or otherwise controlled by Nova Southeastern University, including the Fort Lauderdale/Davie campus and all regional campuses.

Code / Code of Student Conduct and Academic Responsibility: The university's standards, policies, and procedures governing student conduct, academic responsibility, violations, disciplinary processes, and related sanctions.

College or Program Policy: Policies adopted by a specific college, school, or academic program that may supplement or be more stringent than university-wide policies.

Committee: Any group formally established or authorized by the university, a college, or an academic program to review, evaluate, or make recommendations or decisions regarding student matters, policies, or procedures.

Designee: An individual authorized to act on behalf of a university official.

Disciplinary Action: Any action taken by the university in response to a violation of university policy, including, but not limited to, warnings, sanctions, suspension, or dismissal.

Enrollment: The status of a student who is registered for courses or otherwise officially participating in an academic program.

Handbook: The Nova Southeastern University Student Handbook, as amended from time to time.

Heath Colleges: The Barry and Judy Silverman College of Pharmacy, College of Optometry, College of Dental Medicine, Dr. Kiran C. Patel College of Allopathic Medicine, Dr. Kiran C. Patel College of Osteopathic Medicine, and Ron and Kathy Assaf College of Nursing.

Judicial Officer: The Dean of Students or the Dean's designee, authorized to administer and enforce the Code of Student Conduct and Academic Responsibility, including the review, adjudication, and resolution of alleged violations.

Jurisdiction: The authority of the university to enforce its policies and procedures.

Main Campus: The primary campus of NSU located in Fort Lauderdale/Davie, Florida.

Matriculation: is the official process of becoming a student at Nova Southeastern University, which occurs after the drop/add period of the first semester and/or part-of-term. Once a student has remained enrolled in their registered courses and is not dropped due to non-payment, course cancellation or roster reconciliation, they are considered matriculated effective the start of the first semester.

Most current version: The version of a policy or document as published on the university's official website, which shall control in the event of any inconsistency with prior or printed versions.

NSU email account / NSU email / NSU email address: The official university-issued email account assigned to each student (i.e., @mynsu.nova.edu and/or @nova.edu), which serves as the primary method of communication.

Off-campus email: Any email address not issued by NSU, including personal or external email accounts, which may be used by a student for communication but is not considered an official method of university communication.

Official communication: Any communication issued by the university through official channels, including the NSU email account, university websites, or other designated platforms.

Official University Website / NSU Website: The university's official website (nova.edu).

Registered Student Organization (RSO): Student organizations that are formally registered with and recognized by the Office of Campus Life and Student Engagement are designated as Registered Student Organizations (RSOs).

Regional Campus / NSU Regional Campus(es): Any NSU campus or instructional site other than the Fort Lauderdale/Davie (main) campus, including, but not limited to, campuses located in Florida and other domestic or international locations where NSU offers academic programs, services, or administrative functions.

Sanction: A consequence imposed as a result of a violation of university policy.

Student(s) / NSU student(s): Any individual enrolled in a course or academic program offered by Nova Southeastern University, whether in a degree-seeking program or not.

Student Group(s): A general term used to refer to student-based groups affiliated with or by the university. Student groups may include, but are not limited to, registered student organizations, clubs, student government organizations, ambassador groups, advisory groups, and other university-recognized student groups. Specific requirements, privileges, responsibilities, and recognition processes may vary by type of student group.

Unit Policy: A policy developed and implemented by a specific college, school, division, administrative unit, or program within NSU to address operational or academic needs specific to that unit. Unit Policies must align with and not contradict University Policies. For purposes of this Student Handbook, a Unit Policy may be referred to by the specific unit to which it applies, such as a college, school, or program policy.

University / the university / NSU: Nova Southeastern University, Inc.

University Official / Administrator: Any person employed by the university in an administrative, academic, or support capacity, including designees acting within the scope of their authority.

University Policy: Any policy adopted and maintained by NSU and published in official university materials or on the university's official website.

University Property: A policy that has broad applicability across NSU, governing institutional operations, academic and administrative functions, or stakeholder conduct. University Policies are developed to ensure consistent compliance with legal, regulatory, accreditation, or strategic institutional requirements and apply

to faculty, staff, students, and affiliated entities. These policies are approved by senior university leadership and maintained in NSU's centralized policy repository.

University-Sponsored Activity: Any event, program, or activity that is organized, funded, authorized, or supervised by NSU or any of its colleges, departments, or student organizations.

Violation: Any act or omission that is contrary to university policy.

Written Notice: Communication provided in writing, including electronic communication sent to a student's NSU email account or hard copy sent via postal mail.

About Nova Southeastern University

NSU's Vision

To be recognized as a leading professional-dominant, doctoral research university providing competitive career advantages to its students and fostering alumni and partnership connections.

NSU's Mission

The mission of Nova Southeastern University—a selective, doctoral research university—is to deliver academic programs in a dynamic, innovative environment. The university fosters academic excellence, leadership, integrity, and scientific, economic, and community contributions through engaging and empowering students, faculty, staff, alumni, and partners.

NSU Core Values

Student-Centered

Academic Excellence

Scholarship and Research Innovation

Opportunity

Community

Diversity

Integrity

NSU Board of Trustees

The Board of Trustees for Nova Southeastern University is comprised of community leaders who help to guide the university through fiscal and operational oversight to ensure student and institutional success and to foster its financial sustainability. For complete list, please visit *https://nova.edu/about/board-of-trustees.html*.

Accreditation

Nova Southeastern University is accredited by the Southern Association of Colleges and Schools Commission on Colleges (SACSCOC) to award associate's, baccalaureate, master's, educational specialist, doctoral, and professional degrees. Nova Southeastern University also may offer credentials such as certificates and diplomas at approved degree levels. Questions about the accreditation of Nova Southeastern University may be directed in writing to the Southern Association of Colleges and Schools Commission on Colleges at 1866 Southern Lane, Decatur, GA 30033-4097, by calling (404) 679-4500, or by using information available on SACSCOC's website (*www.sacscoc.org).*

Campus Facilities

Nova Southeastern University operates multiple campuses in the Miami to Fort Lauderdale area, including

the Fort Lauderdale/Davie campus, the Oceanographic Campus in Dania Beach, and the Miami Campus in Kendall. The university has campuses in the Florida cities of Jacksonville, Orlando, Clearwater, Fort Myers, Miramar, and Palm Beach. There are also campuses in San Juan, Puerto Rico and Centennial, Colorado. In 2026, NSU opened its newest campus in Henderson, NV, which hosts our newest Certified Anesthesiologist Assistant (CAA) Program.

The campus in Fort Lauderdale/Davie is located on a 314-acre site 10 miles inland from the Atlantic Ocean and readily accessible via several highways and Florida's Turnpike. The campus is the central location for most of NSU's colleges, with state of-the-art classrooms, laboratories, patient simulation facilities, auditoriums, and computer centers.

NSU's campus includes educational facilities, athletic venues, residence halls, and performing arts theatres. In 2003, the university dedicated the 110,000-square-foot Jim & Jan Moran Family Center Village, a model for early education programs across the country. It also opened the Carl DeSantis Building, the 261,000-square-foot home of the H. Wayne Huizenga College of Business and Entrepreneurship, the Abraham S. Fischler College of Education and School of Criminal Justice, and the College of Computing, AI, and Cybersecurity.

In 2006, the University opened the Don Taft University Center, a 366,000-square-foot recreation, athletic, and arts complex at the Fort Lauderdale/Davie Campus. The center is home to the 4,500-seat Rick Case Arena, Chick-fil-A, a state-of-the-art gym, food court, and a performing and visual arts wing. The wing houses the Department of Communication, Media, and the Arts at the Halmos College of Arts and Sciences. It includes the intimate Black Box Theatre, art gallery, performance theatre, and additional rooms supporting theatre, music, art, dance, and other creative activities.

The Fort Lauderdale/Davie campus also includes the Rose and Alfred Miniaci Performing Arts Center, and the Alvin Sherman Library Research and Information Technology Center, which serves the university and the residents of Broward County in a unique private-public partnership and is home to the Alan B. Levan | NSU Broward Center of Innovation, the Cathy J. Husman Fine Arts Gallery, the Craig and Barbara Weiner holocaust Museum, and the Cotilla Gallery. NSU's library system, also includes the Martin and Gail Press Library, Panza Maurer Law Library, the William S. Richardson Ocean Sciences Library, and four junior K- 12 school libraries contribute to NSU's strong academic research environment.

Opened in September 2016, NSU's Center for Collaborative Research (CCR) is one of the largest and most advanced research facilities in Florida. The CCR provides wet and dry labs for NSU's innovative researchers, a General Clinical Research Center, an outpatient facility, a technology incubator offering partnerships with innovative companies, and the NSU Cell Therapy Institute. The CCR also houses NSU's Institute for Neuro-Immune Medicine; the AutoNation Institute for Breast Cancer; the David and Cathy Husman Neuroscience Institute and Cathy J. Husman ALS Center; the Gateway Brain Institute; NSU's Rumbaugh-Goodwin Institute for Cancer Research; NSU's College of Dental Medicine's Biomedical Institute for Oral-Systemic Integrative Sciences; the Emil Buehler Research Center for Engineering, Science and Mathematics; the U.S. Geological Survey (USGS), which partners with NSU on collaborative research.

Eight residence halls at the Fort Lauderdale/Davie Campus serve undergraduate and graduate students, including Mako Hall, a modern 608-bed apartment style residence hall constructed in 2019.

Also on the Fort Lauderdale/Davie Campus is the K-12 NSU University School, an independent, nonsectarian, college-preparatory school serving students from early childhood through grade 12 within a dynamic university setting. The school offers a rigorous, research-based curriculum enriched by access to university resources, experiential learning, innovation, and a strong emphasis on arts, athletics, and community service, all within a supportive environment that prioritizes personalized instruction and student growth across lower, middle, and upper school programs. University School is home to the Noel P. Brown Sports Center which was expanded and renovated in 2016. It has a state-of-the-art fitness center, two full-sized basketball courts, a volleyball court, and areas for physical fitness activities and programming.

NSU's Guy Harvey Oceanographic Research Center, located at the Oceanographic Campus opened in 2012 as, one of the largest facilities in the U.S. dedicated to research and the conservation of marine life. It includes state of the art classroom and laboratory spaces supporting the Halmos College of Arts and Sciences. The building also includes an auditorium, library, and computer lab.

The NSU Art Museum Fort Lauderdale boasts a permanent collection of more than 6,000 works, visual arts exhibits, arts curriculum, and educational programs in South Florida.

In August 2019, NSU relocated and opened the Tampa Bay Regional Campus in Clearwater, featuring a 325,000 square-foot, state-of-the-art facility and parking structure.

For a more information, please visit *https://www.nova.edu/facilities/*.

Colleges and Academic Units

Abraham S. Fischler College of Education and School of Criminal Justice, (954) 262-8500

Barry and Judy Silverman College of Pharmacy, (954) 262-1300

College of Computing, AI, and Cybersecurity, (954) 262-2031

College of Dental Medicine, (954) 262-7319

College of Optometry, (954) 262-1402

College of Psychology, (954) 262-5750

Dr. Kiran C. Patel College of Allopathic Medicine, (954) 262-1737

Dr. Kiran C. Patel College of Osteopathic Medicine, (954) 262-1400

Halmos College of Arts and Sciences and The Guy Harvey Oceanographic Research Center

- Fort Lauderdale/Davie Campus, (954) 262-3600
- Oceanographic Campus, (954) 262-3600

H. Wayne Huizenga College of Business and Entrepreneurship, (954) 262-5000

Ron and Kathy Assaf College of Nursing, (954) 262-1813

Shepard Broad College of Law, (954) 262-6100

NSU University School

- Lower School: Grades JK–5, (954) 262-4500
- Middle School: Grades 6–8, (954) 262-4444
- Upper School: Grades 9–12, (954) 262-4400

NSU Campus Locations

Fort Lauderdale/Davie Campus
3300 S. University Drive
Fort Lauderdale, Florida 33328
Phone: 800-541-NOVA (6682)
Email: *nsuinfo@nova.edu*

Oceanographic Campus
8000 North Ocean Drive
Dania Beach, Florida 33004
Phone: 800-39-OCEAN
Email: *imcs@nova.edu*

NSU Regional Campuses

Colorado Regional Campus
6881 South Yosemite Street
Centennial, CO 80112
Phone: (954) 262-2582
Email: *nsu-regionalcampuses@nova.edu*

Fort Myers Regional Campus
3650 Colonial Court
Fort Myers, Florida 33913
Phone: (239) 274-6070
Email: *nsu-fortmyers@nova.edu*

Jacksonville Regional Campus
6675 Corporate Center Parkway,
Jacksonville, Florida 32216
Phone: (904) 245-8910
Email: *nsu-jacksonville@nova.edu*

Miami Regional Campus
8585 SW 124th Avenue
Miami, Florida 33183
Phone: (305) 275-2601
Email: *nsu-miami@nova.edu*

Miramar Regional Campus
2050 Civic Center Place, Third Floor Miramar, Florida 33025
Phone: (954) 262-9498
Email: *nsu-miramar@nova.edu*

Nevada Regional Campus
876 Seven Hills Drive
Henderson, Nevada 89052
Phone: (725) 444-2500
Email: *nsu-regionalcampuses@nova.edu*

Orlando Regional Campus
4850 Millenia Boulevard
Orlando, Florida 32839
Phone: (407) 264-5601
Email: *nsu-orlando@nova.edu*

Palm Beach Regional Campus
11501 North Military Trail
Palm Beach Gardens, Florida 33410
Phone: (561) 805-2100
Email: *nsu-palmbeach@nova.edu*

Puerto Rico Regional Campus
998 San Roberto Street San Juan, PR 00926
Phone: (787) 773-6501
Email: *nsu-puertorico@nova.edu*

Tampa Bay Regional Campus
3400 Gulf-to-Bay Boulevard
Clearwater, Florida 33759
Phone: (813) 574-5200
Email: *nsu-tampa@nova.edu*

NSU Health Care Clinics

The Health Care Centers serve as integral parts of the student training programs and bring health care service to resource- limited community.
16855 NE 2nd Avenue, Suite N400
North Miami Beach, FL 33162

This center provides the community with full-service, primary care/family-medicine.

Health Care Center at Covenant Village of Florida

9215 West Broward Boulevard
Suite 3105
Plantation, FL 33324
Phone: (954) 916-6585

This center provides convenient medical care so that residents can quickly receive the health care they need.

Sanford L. Ziff Health Care Center

3060 South University Drive
Fort Lauderdale, FL 33328-2018
Phone: (954) 262-4200

This primary care facility offers state-of-the-art full-service capabilities. It houses family medicine, pediatrics, internal medicine, geriatrics, student health, obstetrics/ gynecology, osteopathic manipulative medicine, nutritional services occupational therapy, and a pharmacy. It also offers physical therapy, sports medicine and rehabilitation, optometric clinic, and an optical dispensary.

Student Health Care Clinics (Walk-In Service)

Sanford L. Ziff Health Care Center
3060 South University Drive
Fort Lauderdale, FL 33328-2018
Phone: (954) 262-4200

The mission of the Student Medical Center is to provide quality healthcare services to our students. It is staffed by board certified physicians and physician assistants who provide primary care services including: physical exams, health care, immunizations, preventive care, general medical care, nutrition education and minor surgical procedures.

Audiology Clinic

Sanford L. Ziff Health Care Center
3060 South University Drive
Fort Lauderdale-Davie, FL 33328-2018
Phone: (954) 262-4200

The Audiology Clinic provides comprehensive hearing and vestibular services to patients of all ages. This faculty practice and community-care facility offers comprehensive audiology care within a teaching environment. Doctor of Audiology (Au.D.) students work beside faculty to provide service to patients. Patients and students develop a comfortable patient-provider relationship in a professional atmosphere with advanced technology and contemporary treatment programs.

Dental Medicine Patient Care Center

3050 South University Drive
Fort Lauderdale-Davie, FL 33328-2018
Phone: (954) 262-7500

Services are available to adults, children, adolescents, and elderly clients. All dental treatment meets or exceeds technical and ethical standards of care established by the dental profession. The college offers patients comprehensive and specialty care within a university setting. Patients choose from one of four affordable treatment options providing standard dental care, orthodontics, pediatric dentistry, endodontics (root canal therapy), periodontics (gum disease, implants), oral surgery (extractions), and prosthetics (complete and removable partial dentures, crowns, bridges).

Kids In Distress, Broward County

819 N.E. 26th Street,
Building C
Wilton Manors, FL 33305
Phone: (954) 567-5640

Individual, Couple, and Family Therapy Clinic

Maltz Building
3151 College Avenue
Fort Lauderdale-Davie Florida, 33314-7796
Phone: 954-262-3030

The clinic provides therapy to individuals, couple, and families. Clients can be seen by graduate students supervised by a licensed faculty supervisor for fee-for-service sessions or by licensed faculty in the insurance-based faculty practice.

The clinic's mission is to help clients find solutions to problems. Whether clients are navigating personal challenges, relationship concerns, or family transitions, the clinic partners with clients to discover meaningful solutions that support clients' goals and enhance overall well-being.

Physical Therapy

Don Taft University Center
3300 S. University Drive
Suite 1441b
Fort Lauderdale, FL 33328-2004
Phone: (954) 262-4149

Physical therapy provides treatment and preventive care for athletes and the community. Therapists help with all aspects of pain management in sports, and alternative therapies.

Occupational Therapy

Don Taft University Center
3300 S. University Drive
Suite 1441b
Fort Lauderdale, FL 33328-2004
Phone: (954) 262-4149

Occupational therapy assists patients of all ages with caring for themselves, participating in productive activities and interacting with others.

Speech-Language Pathology Clinic

7600 SW 36th St, Suite 200
Davie, FL 33328
Phone: (954) 262-7726

The Speech-Language Pathology Clinic conducts evaluations and treatment services for children and adults with speech, language, and communication delays and disorders. Faculty have expertise in developmental issues, autism, language & learning disabilities, stroke and disease, early intervention, stuttering, augmentative communication and cleft palate. Bilingual services are provided.

Sports Medicine Clinic

3300 S. University Drive
Suite 1433
Fort Lauderdale, FL 33328-2004
Phone: (954) 262-5590

The Sports Medicine Clinic is an interdisciplinary subspecialty of osteopathic medicine which deals with the treatment and preventive care of athletes, both amateur and professional. Our team includes primary care physicians, specialty physicians and surgeons, athletic trainers, physical therapists, coaches, dietitians, psychologists, strength and conditioning trainers, and of course the athlete.

The Eye Institute

3200 S. University Drive
Fort Lauderdale/Davie, FL 33328
Phone: (954) 262-4200

The Eye Institute provides primary eye care and pediatric/ binocular vision services to the urban community in the downtown area as well as the hospital district patients. Along with routine and emergency eye care, services for early detection and monitoring and treatment of glaucoma and other eye diseases are provided by student's supervised by experienced faculty members in the state-of-the-art facility. Specialty care, including vision training for children up to 12 years of age, is offered by the Eye Institute's pediatric sections. A wide selection of frames for both children and adults are available at reasonable cost on-site.

Center of Student Counseling and Well-being by Henderson Behavioral Health

3300 S. University Drive
Student Affairs Building, 3rd Floor
Fort Lauderdale/Davie, Florida 33328-2004
Phone: (954) 262-7050 or (954) 424-6911

Website: *https://www.nova.edu/student-counseling/https://www.nova.edu/studentcounseling/*

The NSU Center for Student Counseling and Well-Being by Henderson Behavioral Health offers a wide array of services and programs to support various aspects of student' well- being. These services include daily triage appointments for new students, medication management, and individual, couples, and family counseling. Additionally, we work with NSU Student Affairs to link students to psychoeducational programming and personal growth groups. Examples of what a student can focus on in counseling include but are not limited to: Academic & Career Development, Relationship Challenges, Adjustment to Student Life, Depression, Stress & Time Management, Problem Solving & Goal Setting, Test and Seminar Anxiety, Eating and Body Image, Anxiety, and Substance Abuse. Henderson is accredited at the highest level to provide student counseling services by the Commission on the Accreditation of Rehabilitation Facilities (CARF).

Services Offered

- individual counseling
- couples counseling
- family counseling
- psychiatric services

How to make an appointment

Please register for an appointment accessing the HSCS portal at *https://www.nova.edu/student-counseling/https://www.nova.edu/studentcounseling/*

Daily Triage/Screening Appointments are available.

Payment

Part-time and full-time students can participate in up to 10 sessions per year, and counseling sessions are available at no cost. If seeing the psychiatrist, students are charged a nominal fee. Insurance is accepted.

Hours of Operation

Monday	8:30 a.m. – 6:00 p.m.
Tuesday	8:30 a.m. – 8:00 p.m.
Wednesday	8:30 a.m. – 8:00 p.m.
Thursday	8:30 a.m. – 5:00 p.m.
Friday	8:30 a.m. – 6:00 p.m.

AFTER HOURS ON-CALL COUNSELOR: (954) 424-6911, available 24/7 (365 days per year): select #4 to connect to counselor.

NSU Pharmacy

The NSU Pharmacy provides free screenings to NSU students, employees, and the public on the third Tuesday of every month.

This full-service pharmacy is available to students and the community for all prescription needs:

- Prescription dispensing
- Compounding tailor-made medicines
- Disease management programs - diabetes, hypertension, anticoagulation, hyperlipidemia, and osteoporosis
- Dosage monitoring for patients with multiple prescriptions
- Herbal and nutritional counseling
- Wellness screenings

Student Medical Center

The mission of the Student Medical Center is to provide quality primary health care services to our collegiate populations. Services include physical exams, women's health care, immunizations, preventive care, general medical care, and minor surgical procedures.

NSU Campus Map

The interactive campus map is available at *https://maps.nova.edu*.

University-Wide Policies and Compliance

Statement on Student Rights and Responsibilities

As a community, NSU is committed to furthering scholarship, academic pursuits, and service to our society. All students have an opportunity to fulfill their intellectual potential through pursuit of the highest standards of academic excellence.

It is important that rights of NSU students be embraced by the university community and observed in the spirit of the university's mission. Certain qualities flow from membership in any academic community committed to such goals, including

- respect for others
- professionalism and collegiality in academic and social settings
- to live and/or attend classes in a physically safe campus environment
- the expectation of a positive living/learning environment
- the ability to initiate a complaint relating to the Code of Student Conduct and Academic Responsibility
- personal and intellectual freedom, which are fundamental to the idea of a university
- dedication to the scholarly and educational purposes of the university
- participation in promoting and ensuring the academic quality and credibility of the institution
- to provide service to our community and beyond
- to engage in service opportunities that enhance learning outcomes, both on and off campus
- to associate with student organizations of one's own choosing

Students are responsible for obtaining, learning, and observing the established university and academic center policies as listed in all official publications. All members of the NSU community should inform the appropriate university official of any violation of the Code of Student Conduct and Academic Responsibility.

Nondiscrimination Policy

NSU prohibits all forms of discrimination, harassment, and retaliation on the basis of race, color, national or ethnic origin, sex, pregnancy status, sexual orientation, gender, religion or creed, disability, age, genetic information, ancestry, marital or parental status, military service, veteran status, or political beliefs or affiliations, or any other protected characteristic or status under applicable federal, state, or territory laws in its educational programs, activities, admissions, employment, and operations, including federal aid and athletics.

Definitions:

Discrimination

Discrimination is different, unjust or prejudicial treatment of similarly situated individuals based on actual or perceived, legally protected characteristics described above, which excludes a person from participation, denies a person the benefits of, or otherwise adversely affects participation in an NSU

program, activity or employment. Discrimination can also occur through harassment, the creation of a hostile environment, and/or retaliation.

Harassment

Harassment consists of unwelcome verbal, written, or physical conduct based on an actual or perceived, legally protected characteristic indicated above, that is so severe, pervasive or objectively offensive that it:

- has the purpose or effect of unreasonably interfering with the individual's work or educational performance,
- creates or has the intention of creating an intimidating, hostile, or offensive working and/or learning environment, or
- unreasonably interferes with or limits one's ability to participate in or benefit from an educational program or activity.

Hostile Environment

The University will not tolerate the creation or existence of an environment that is hostile on the basis of a legally protected class described above. Such a hostile environment is defined as harassing conduct (e.g., physical, verbal, graphic, or written) related to an individual's protected class that is sufficiently serious to either (1) to interfere with or limit the ability of an individual to participate in or benefit from the University's programs and activities, or (2) to unreasonably interfere with an individual's work or academic performance by creating an objectively intimidating, hostile, or offensive work or learning environment.

Retaliation

Federal and state laws prohibit retaliation based on discrimination. No person nor the University may intimidate, threaten, coerce, or discriminate against any individual for the purpose of interfering with any right or privilege secured by NSU's nondiscrimination policy, or because the individual has made a report or complaint, provided information, assisted, participated, or refused to participate in any manner in a discrimination investigation or proceeding.

Students may report claims of discrimination or harassment to the University in accordance with the Discrimination Grievance Procedures for students or file complaints with external agencies, including the U.S. Department of Education Office for Civil Rights, the Equal Employment Opportunity Commission, or for programs or activities receiving federal assistance from the U.S. Environmental Protection Agency, the EPA External Civil Rights Compliance Office.

The policy can also be found at *https://nova-int.policystat.com/policy/20930440/latest*.

Title IX / Sexual Misconduct Policy

NSU does not discriminate on the basis of sex and prohibits sex discrimination in any education program or activity that it operates, as required by Title IX and its regulations, including admissions and employment. Inquiries about Title IX may be referred to NSU's Title IX coordinator, the U.S. Department of Education's Office for Civil Rights, or both. Please visit *nova.edu/title-ix* to review NSU's Title IX policy and grievance procedures, to report information about conduct that may constitute sex discrimination, or to make a complaint of sex discrimination under Title IX.

Title IX and NSU's policy prohibit all forms of sex-based discrimination, including:

- Quid pro quo harassment by an employee
- Denial of access and hostile environment

- Sex offenses which may also be crimes, such as nonconsensual penetration/contact, dating/domestic violence, and stalking.
- Sexual or gender-based harassment
- Sexual exploitation

Retaliation is also prohibited. No one may intimidate, threaten, coerce, or discriminate against any individual for the purpose of interfering with any right or privilege secured by Title IX, or because the individual has made a report or complaint, provided information, assisted, participated or refused to participate in any manner in a Title IX investigation or proceeding.

For expanded definitions and examples of prohibited behaviors, the Title IX investigation and resolution procedures, Title IX resources, and the online reporting form, please visit the Title IX website at *nova.edu/title-ix*.

Complaints of sexual misconduct or other sex-based discrimination should be reported to:

Title IX Coordinator
titleIX@nova.edu
(954) 262-7858

Disability Accommodations

Student Accommodations Request Process Policy (Academic and/or Housing Requests)

Student Accommodations Request Process Policy (Academic and/or Housing Requests)

It is the student's responsibility to initiate the process for disability services. Requests for accommodations must be made in writing to the Office of Student Disability Services (SDS) and must be supported by appropriate documentation of recent medical, psychological, or educational assessment data administered and evaluated by a qualified professional. The Office of Student Disability Services (SDS) will review the student's request and submitted documentation and notify the student as to the determination of the requested accommodations via the student's NSU email address.

If any student disagrees with the accommodation(s) determined by the Office of Student Disability Services (SDS), the student may appeal the decision to the university's Accommodation Appellate Committee, chaired by the Dean of Students or named designee. The process to file an appeal and the Appellate Committee Guidelines may be found on the Office of Student Disability Services (SDS) website (*nova.edu/disability-services/*). An appeal must be filed in writing from the student with the Office of the Dean of Students within ten (10) business days of the date on the SDS determination letter. This policy can also be found at *https://nova.edu/disability-services/accommodation-appellate-process.html*, where the most current version is maintained.

It is the student's responsibility to notify the academic program contact(s) of their intention to receive the determined accommodations and to follow any processes the student's academic program has established for implementing the approved accommodations.

Students acknowledge that any NSU-granted accommodation(s) are not retroactively applied. If and when, the Office of Student Disability Services (SDS) makes a determination for any approved accommodation(s), the academic program will implement the approved accommodations from the date on the SDS determination letter and/or the student's signed agreement memo date.

If any student disagrees with the accommodation(s) as determined by the Office of Student Disability Services (SDS), the student may appeal the determination to the university's Accommodation Appellate Committee, chaired by the Office of the Dean of Students. Please review the above information

outlining the process for filing an appeal in accordance with the Appellate Committee Guidelines described below. Students also retain the right to waive any accommodation(s) while enrolled and are provided instructions as to the accommodation waiver request process during their intake meeting with SDS.

Academic Accommodation Appellate Committee Guidelines

1. A written, formal statement of the rationale for the appeal must be filed in writing from the student with the Office of the Dean of Students within ten (10) business days of the date of the SDS determination letter.

2. Upon receipt of the student's written, formal statement of the rationale for the appeal, the Office of the Dean of Students shall schedule a meeting of the Academic Accommodation Appellate Committee at a time and place convenient to the student and to the committee members. The student will receive a confirmed date for the scheduled Academic Accommodation Appellate Committee meeting within fifteen (15) business days upon receipt of the student's written, formal statement of the rationale for the appeal.

3. The student shall have the opportunity to present relevant documents to support the rationale for the appeal to the Chair of the Academic Accommodation Appellate Committee (or designee) for review and consideration by the committee members.

4. The student shall have the right to meet with the committee to present their appeal.

5. Proceedings of the committee shall be kept in strict confidence. As such, appeals are closed hearings. Accordingly, parents, family members, attorneys, or any other individuals who are not authorized participants may not attend or join the hearing.

The following are prohibited in all appellate hearings:

- any recording of the meeting by students. The Appellate Committee Chair (or designee) may conduct official minutes and/or a recording of the meeting.
- legal counsel.
- uninvited guests.

In reaching its decision, the committee may consult with recognized experts in the field of disability and/or organizations such as the Association on Higher Education and Disability (AHEAD).

The student shall be notified in writing of the decision of the committee with respect to the student's appeal within thirty (30) business days of the appellate hearing. All decisions of the committee are final and binding on the student without further appeal.

This policy can also be found at *https://nova.edu/disability-services/accommodation-appellate-process.html*, where the most current version is maintained.

Housing, Facility, and Grounds Accommodation Appellate Committee Guidelines

1. A written, formal statement of the rationale for the appeal must be filed in writing from the student with the Office of the Dean of Students within ten (10) business days of the date of the SDS determination letter.

2. Upon receipt of the student's written, formal statement of the rationale for the appeal, the Office of the Dean of Students shall schedule a meeting of the Housing, Facility, and Grounds Accommodation Appellate Committee at a time and place convenient to the student and to the committee members. The student will receive a confirmed date for the scheduled Housing,

Facility, and Grounds Accommodation Appellate Committee meeting within fifteen (15) business days upon receipt of the student's written, formal statement of the rationale for the appeal.

3. The student shall have the opportunity to present relevant documents to support the rationale for the appeal to the Chair of the Housing, Facility, and Grounds Accommodation Appellate Committee (or designee) for review and consideration by the committee members.
4. The student shall have the right to meet with the committee to present their appeal.
5. Proceedings of the committee shall be kept in strict confidence. As such, appeals are closed hearings. Accordingly, parents, family members, attorneys, or any other individuals who are not authorized participants may not attend or join the hearing.

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- any recording of the meeting by students. The Appellate Committee Chair (or designee) may conduct official minutes and/or a recording of the meeting.
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In reaching its decision, the committee may consult with recognized experts in the field of disability and/or organizations such as the Association on Higher Education and Disability (AHEAD).

The student shall be notified in writing of the decision of the committee with respect to the student's appeal within thirty (30) business days of the appellate hearing. All decisions of the committee are final and binding on the student without further appeal.

This policy can also be found at *https://nova.edu/disability-services/accommodation-appellate-process.html*, where the most current version is maintained.

NSU Student Religious Holiday Policy

NSU, though a secular institution, values the varied backgrounds and beliefs of its student body, including expressions of faith. NSU recognizes that religious observances may result in potential conflicts between work-restricted religious high holidays and educational activities such as classes or scheduled examinations. NSU seeks to accommodate students with personal religious beliefs who wish to observe work-restricted religious holidays. The following provisions apply to all faiths and religious groups equally:

1. This policy applies to all NSU students.
2. Students will not be penalized for approved class absences due to work-restricted religious holidays. This policy does not apply to required attendance in the clinical care setting.
3. The university has developed an interfaith calendar that can be found online at *nova.edu/studentconduct/religious-holiday-policy.html*, which includes the recognized work-restricted religious holidays that have been approved by NSU. The calendar is published annually at least one month prior to the start of the fall semester. Approved absence requests for additional work- restricted religious holidays that are not included on the NSU interfaith calendar should be directed to the NSU Dean of Students at (954) 262-7281, who will evaluate the request, determine whether such religious accommodation will be approved, and notify the student and college/program of the outcome.
4. A student with a personal religious belief, requesting to be excused from class or an educational activity for a work-restricted religious holiday, shall complete the *Student Religious Work-Restricted Holiday Form* within ten calendar days prior to the Holiday. NSU reserves the right to

change this time period. NSU may request documentation or information from the student's religious institution in order to establish a legitimate need for accommodation. Absences for travel associated with religious observances are not deemed approved absences for purposes of this policy. A student's absence request for a work-restricted religious holiday will not be approved if the student fails to provide requisite notice for the absence request and/or provide requisite documentation. The failure to obtain approval for an absence may result in a academic or administrative action from the college or program.

5. With appropriate advance notice and approval, accommodations will be provided. The type of accommodation provided is within the discretion of the program and may vary by course or program depending on the nature and type of educational activity in conflict. An absence for the observance of a work-restricted religious holiday does not relieve students from responsibility for any part of the coursework required during the period of the absence, and missed work remains the students' responsibility to complete. It may not be possible to make up certain academic experiences, including, but not limited to, experiential group activities, as well as laboratory and clinical activities. Approved absences may extend program length or require repetition of a course.

6. It may not be possible to miss extensive periods of a scheduled academic class or experience (e.g., labs, residential institutes) due to the format of the program (e.g., weekends). Students should check the academic calendar prior to enrollment to determine whether they can meet the obligations of the program.

7. If a student's request is approved and the student believes the respective college or program is not complying with this policy, and/or if a student has any questions about this policy, please contact the NSU Dean of Students at (954) 262-7281.

NSU Interfaith Work-Restricted Religious Holiday Calendar

NSU recognizes that there are additional religious holidays and observances beyond those identified in this calendar. However, the NSU University-Wide Religious Holidays Policy and calendar are limited to those religious holidays that have been recognized as work-restricted religious holidays. Detailed information can be found at *nova.edu/student-conduct/religious-holiday-calendar.html*.

Family Educational Rights and Privacy Act (FERPA)

The Family Educational Rights and Privacy Act of 1974 (FERPA) protects the privacy of education records and gives eligible students (aged 18 or older or entering college) and parents (if legally permitted and at NSU's discretion) certain rights with respect to the student's education records. NSU students have:

- the right to inspect and review their education records within 45 days of the university's receipt of a written request for access. Students should submit written requests to the Office of the University Registrar (*registrarstudentrecords@nova.edu*) and identify the record(s) they wish to inspect. The Office of the University Registrar will arrange for access and notify the student of the time and place where the records may be inspected.
- the right to request an amendment to their education record if they believe it to be inaccurate or misleading. Students who believe that their education records contain information that is inaccurate, misleading or otherwise in violation of their privacy rights, may submit a written request for amendment of the education record to the Office of the University Registrar at *registrarstudentrecords@nova.edu*. The student will be notified in writing, within a reasonable time after receipt of the request, whether the record will be amended. If the university decides not to amend the record, the Office of the University Registrar will notify the student of their right to a hearing.

- the right to consent to disclosures of personally identifiable information within their education records, except where FERPA permits disclosure without consent. One exception that permits disclosure without consent is disclosure to school officials with legitimate educational interests. A school official is a person employed by the university in an administrative, supervisory, academic, research, or support staff position; a person or company with whom the university has contracted (such as, attorneys, auditors, collection or loan servicing agents, the National Student Clearinghouse); clinical training sites; Board of Trustees members; or students serving on official committees (such as a disciplinary or grievance committees), or assisting school officials with their tasks.
- the right to file a complaint if they believe their privacy rights under FERPA have been violated. Complaints may be directed to the Student Privacy Policy Office (for internal resolution), or the U.S. Department of Education, 400 Maryland Avenue, SW, Washington, D.C. 20202-8520.

Directory Information

NSU designates the following information in a student's education record as "Directory Information," which may be made publicly available and/or disclosed.

Student name	Dates of attendance
Local and home address	Degrees, honors and awards received
Telephone numbers	Enrollment status
Major field of study	Year in school
Participation in sports	Graduation date/anticipated graduation date
Place of birth	Email addresses
Photo ID	

Release of Student Information

Students may give consent for NSU to discuss and/or release information in their education record to a third party by entering that person's name, relationship, and type of information to be disclosed in SharkLink/Self Service Banner. The student may revoke or modify the consent at any time. Instructions on how to grant and/or modify consent are published on the Office of the University Registrar's website at *https://nova.edu/registrar/services/release-of-information.html*. Although students may authorize the release of information from their education records, the university is under no obligation to release such information unless required to do so by law or court order. Students may enter, review, or modify their consent via the online Release of Information Form at *nova.edu/roi* made available on the Office of the University Registrar's website.

Students may request to keep their Directory Information private by submitting a completed *Request to Keep Directory Information Private* form to the Office of the University Registrar. The form may be found at *https://nova.edu/registrar/forms/index.html*. Please note that doing so may have unintended consequences, such as the university not including the student on the Dean's List or in commencement programs; the university's inability to verify the student's details for prospective employers; and the university cannot communicate with the student over the phone. Completed forms may be submitted electronically, via DocuSign using the above link, mailed to the Office of the University Registrar, 3300 S. University Drive, Fort Lauderdale, FL 33328, or delivered to One-Stop Shop in the Horvitz Administration Building.

Deceased Student Records

Records of deceased students are made available to parents, spouses, executors/executrix, or other authorized parties upon a written request to the Office of the University Registrar. The request must

state the specific need for the records and the requestor's relationship to the student; and include proof of authorization such as a court order appointing the executor or executrix and .an official copy of the death certificate if the university does not have prior or verified notice of the death. The university reserves the right to deny any record request in its reasonable discretion.

Additional Assistance

For further assistance on this matter, eligible students should contact the Office of the University Registrar at (954) 262-7200 or 800-541-6682 ext. 27200, or at *registrarstudentrecords@nova.edu*.

Healthcare Privacy (HIPAA) Statement

The Health Insurance Portability and Accountability Act of 1996 (HIPAA) requires "covered entities" to abide by the regulations governing the privacy, confidentiality, and security of protected health information, defined as individually identifiable health information created, received, maintained, or transmitted at or by a covered entity, whether such information is electronic, written, or spoken. NSU is considered a "hybrid entity" for purposes of compliance with the HIPAA Privacy and Security Regulations, as NSU's business activities include both HIPAA-covered and non-covered functions. As such, NSU health clinics are required to comply with the HIPAA Privacy and Security Regulations, as well as policies implemented by NSU.

Pursuant to the HIPAA Privacy and Security Regulations, the HIPAA-covered health clinics at NSU that provide patient care have enacted privacy and security policies and procedures for patient health information. All workers at health clinics at NSU, including, but not limited to, faculty members, employees, and trainees, are responsible for following the policies and procedures implemented by the applicable health clinic at NSU. In addition, the HIPAA regulations require that NSU provides training to its health clinic faculty members, employees, and trainees with respect to its HIPAA Privacy, Security, and Research policies and procedures. NSU has developed a comprehensive online education program designed to comply with the HIPAA Regulations and to educate its workforce members and others who use, disclose and/ or access protected health information. Applicable health college and/or mental health college students and trainees will be required to complete the education program coordinated through their respective college/academic program. Violations of the NSU policies and procedures regarding privacy and security of protected health information will be reported to the appropriate supervising authority for potential disciplinary action, up to, and including, dismissal in accordance with the applicable college/academic program policies.

Further, NSU faculty members and students may be subject to the HIPAA privacy and security policies and procedures enacted by various non-NSU healthcare facilities in which they train. It is the responsibility of the faculty members and students to familiarize themselves with such policies and procedures upon entering each facility. Any questions concerning the HIPAA privacy policies can be directed to the HIPAA liaison of the faculty members/students' health clinic at NSU, the NSU chief privacy officer, or the NSU chief information security officer. Please see the NSU HIPAA Privacy Department website at *nova.edu/hipaa-privacy*.

Degree Conferral Process

Once students have completed all of the degree requirements, the earned NSU degree will automatically be conferred. Students with no academic or financial holds will be invited to participate in their college's commencement ceremonies, and each student's diploma, along with a complimentary academic transcript, will be mailed to the student's address on file. For more information, visit the registrar's website at *nova.edu/registrar/services/degree-conferral.html*

Image Use Statement

As part of the *Student Enrollment Agreement* (SEA), which students are required to read and accept with their first registration each year, students consent to the following Image Use Statement:

I permit and authorize Nova Southeastern University (NSU) and its employees, agents, representatives, contractors, and personnel who are acting on behalf of NSU to take and/or obtain my photograph, name, alias, video and/or audio recording, or other likeness of myself, or any combination thereof, at any public NSU-related events or at any public areas on NSU's property (hereinafter, "my likeness"). I further grant NSU permission to utilize my likeness for commercial purposes including publicity, marketing, and promotion for NSU and its programs, without compensation to me, to the extent permissible under the Family Educational Rights and Privacy Act (FERPA). I understand and consent to NSU copying, reproducing, and distributing my likeness in any media format. I further understand that my likeness may be subject to reasonable modification and/or editing and waive any right to inspect or approve the finished product or material in which NSU may eventually use my likeness. I acknowledge that NSU owns a nonexclusive right to my likeness and understand that, although NSU will endeavor to use my likeness in accordance with standards of good judgment, NSU cannot warrant or guarantee that any further dissemination of my likeness will be subject to NSU's supervision or control. Accordingly, I release NSU from any and all liability related to the use, dissemination, reproduction, distribution, and/or display of my likeness in any media format, and any alteration, distortion, or illusionary effect of my likeness, whether intentional or otherwise, in connection with said use. I also understand that I may not withdraw my permission for use of my likeness which was granted.

Student-athletes are permitted to use, control, and commercialize use of their likeness in a wide range of activities name, image, and likeness activities (NIL), including, but not necessarily limited to,

- commercials/advertisements for products and services
- development and promotion of the student-athlete's own brand/business
- personal appearances
- promotion of student-athlete-run camps, clinics, and private lessons
- sponsored social media activities
- autograph sessions

In accordance with NSU's Student-Athlete Name, Image, and Likeness Policy, Section 1006.74, and current NCAA Division II Bylaws, NSU will not restrict student-athletes from the ability to commercialize use of their likenesses. However, NSU student-athletes shall not use NSU intellectual property in connection with their NIL activities unless the prior written permission of NSU has been secured in writing through an agreement granting specified rights. NSU intellectual property includes, but is not limited to, NSU's name, trademarks, service marks, logos, colors, symbols, apparel with university trademarks/logos, and uniforms, regardless of whether the intellectual property is registered. NSU may grant or refuse to grant permission in its sole discretion. Student-athletes may, in connection with NIL activities, state that they are a student-athlete at NSU and/or list their personal academic or athletic accolades. However, student-athletes shall not state or imply, directly or indirectly, that NSU is endorsing the NIL activity or any products or services associated with that NIL activity.

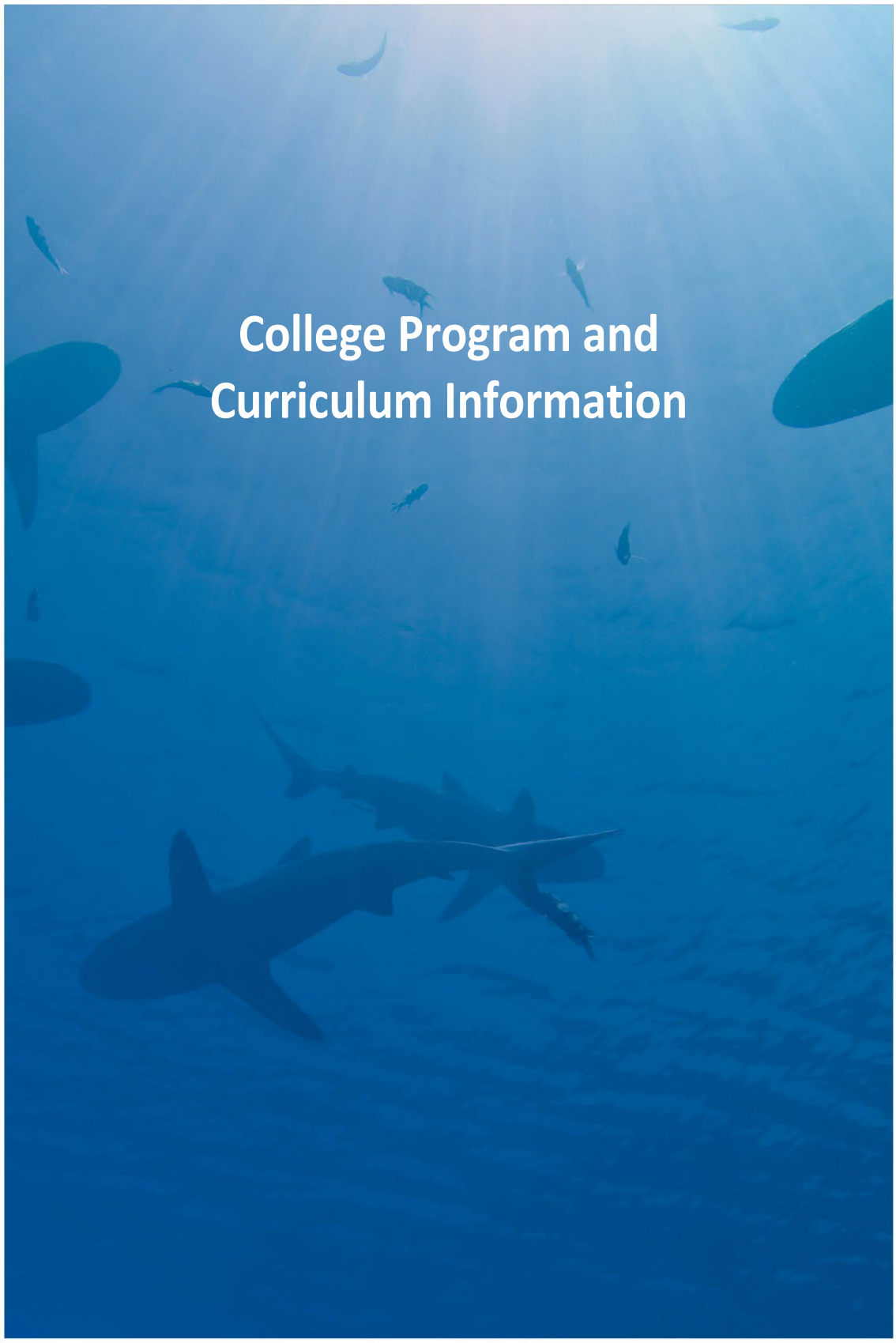
Force Majeure

The university's duties and obligations to the student may be delayed, suspended or modified, effective immediately without notice, during force majeure events, including, without limitation, any fire or other casualty, flood, earthquake, hurricane, lightning, explosion, strikes, lockouts, shortage of energy supplies, inclement weather, riots or civil commotion, act(s) of God, war, governmental action, act(s) of terrorism, infectious diseases, epidemic, pandemic, public health emergency, physical or structural dangers, or any other event, similar or dissimilar, beyond NSU's control, that in NSU's sole judgment

may affect the health, safety or welfare of the university community or operations. If such an event occurs, NSU's duties and obligations to the student (including its delivery and format of classes, student housing and dining, campus facilities and related services, activities, and events) may be postponed, canceled or modified until such time as the university, in its sole discretion, decides it is safe to reopen or resume normal operations. Under no circumstances, except as otherwise required by federal or state law, will NSU be obligated to refund, reduce or credit any portion of tuition, housing, meal plans, fees, or any other cost or charge attributable to any location, delivery modality, or service affected by any such force majeure event as described herein necessitated by act(s) of God, university, academic or health and safety decisions, and/or any situations outside of the university's control. This includes, but is not limited to, any suspensions to or changes from in-person, on-campus education, services and/or activities to remote services, activities, and/or remote learning. By choosing to enroll or study at NSU, students agree to these terms.

Any decisions by the university to provide a refund or credit, in whole or in part, of any fee or other charge, in the event of a campus closure, suspension, or other change to the delivery format of education, activities, housing, dining, and/or services shall be in the university's discretion and shall not create an expectancy that any individual is legally entitled to such refund or credit or that it will be provided in any other instances.

For additional information regarding emergency preparedness and response, including hurricanes, please refer to the NSU Public Safety website and the Comprehensive Emergency Management Plan available at *nova.edu/public-safety/cemp.html*.



College Program and Curriculum Information

College of Computing, AI and Cybersecurity



Meline Kevorkian, Ed.D.
Dean

Introduction

The College of Computing, AI and Cybersecurity (CCAC) prepares students to meet the technological challenges of today. Drawing on 40 years of institutional experience in computing education and research, and 30 years of experience in innovative program delivery, CCAC offers focused and flexible programs aligned to industry's most sought- after fields to help students reach their full potential. CCAC has a distinguished faculty, evolving curricula, and an alumni network that integrates 40 years of graduates from computing disciplines at NSU. CCAC has flexible online and campus-based formats for its three bachelor's, ten master's, and three Ph.D. programs, which include B.S. to Ph.D. pathways. The college welcomes part-time and full-time students, whether on-campus or online. Undergraduate on-campus students participate in day and evening programs and may have the opportunity to apply to the Dual Admission program that automatically reserves a seat in one of CCAC's graduate programs. Online master's degree programs require no campus attendance and are available to students worldwide. CCAC has facilities to support hands-on instruction for students to learn and research computing and engineering including mobile application development in the Mobile Computing Laboratory (MCL); areas of distributed systems with an emphasis on designing, implementing, and evaluating systems in the Distributed Systems (CLOUDS) and Security Robust Distributed Systems (SARDIS) laboratory; and more. The college's research advances knowledge, improves professional practice, and contributes to understanding in the engineering and computing fields. In addition to its regional accreditation by the Commission on Colleges of the Southern Association of Colleges and Schools, NSU has been designated a National Center of Academic Cybersecurity (NCAE-C) - Cyber Defense (CD) and Cyber Research (R) by the U.S. National Security Agency (NSA) and its federal partners include the Cybersecurity and Infrastructure Security Agency (CISA), the Federal Bureau of Investigation (FBI), the National Institute of Standards and Technology (NIST)/National Initiative on Cybersecurity Education (NICE), the National Science Foundation (NSF), the Department of Defense Office of the Chief Information Officer (DoD-CIO), and U.S. Cyber Command (USCYBERCOM) (https://*www.nsa.gov/Academics/Centers-of-Academic-Excellence/).* NSA its federal partners have certified that NSU's curriculum in Cybersecurity meets or exceeds the requirements and standards expected of a leader in cybersecurity education. All M.S. graduate degree programs employ a three-term format: Fall (8-week term starting in August) and 8-week term II starting in October), Winter (8-

week term starting in January and 8-week term II starting in March) and Summer (8-week term starting in May). Once students are in the doctoral research and dissertation stage of the Ph.D. program, they will have a longer semester format: Fall (16-week term starting in August), Winter (17-week term starting in January) and Summer (12-week term starting in May). Online students use the web to access course materials, announcements, email, distance library services, subscription library databases, and other information and interaction with faculty and fellow students. Online, interactive learning methods are used through the instructional sequence based on the use of a web-based course management system. Online activities facilitate frequent student-to-faculty and student-to-student interaction. They are supported by threaded discussion boards, white boards, videoconferences, email, and other online tools.

Mission

Engaging in innovation across boundaries, the College of Computing, AI and Cybersecurity prepares leaders and problem solvers in engineering, computer science, information systems, and cybersecurity for application and integration of science and technology to research and design effective solutions that contribute to society and the public good.

Degrees and Programs

Bachelor of Science (B.S.)

- Computer Science
- Cybersecurity Management
- Information Technology

Master of Science (M.S.)

- Applied Artificial Intelligence Management
- Artificial Intelligence (concentrations in cybersecurity and data science)
- Artificial Intelligence Cybersecurity
- Computer Science (concentrations in artificial intelligence, cyber defense, data science, and software engineering
- Computer Science Education (concentrations in data science and artificial intelligence; and teaching and learning)
- Cyber Defense
- Cybersecurity Management
- Data Analytics and Artificial Intelligence
- Information Systems (concentrations in artificial intelligence application, cybersecurity management, data analytics, technology management, and user experience (UX)/human-computer interaction)
- Information Technology (concentrations in application development, artificial intelligence application, cybersecurity management, and data analytics)

Doctor of Philosophy (Ph.D.)

- Computer Science
- Cybersecurity Management
- Information Systems

Faculty Listing

Charmaine Barreto, Ph.D., Syracuse University. Associate Professor. Human computer interaction, telecommunications and network management, web design, management information systems, systems analysis and design, project management, business statistics, survey design, research methods, library and information science, knowledge management.

Laurie P. Dringus, Ph.D., Nova Southeastern University. Professor. Human-computer interaction, information systems, computer-mediated communication, computer- supported collaborative work, interaction design, user experience and usability evaluation, and online learning.

Mary Harward, Ph.D., Nova Southern University. Assistant Professor. Data science, analytics, database and information systems, project management, and knowledge management.

Ajoy Kumar, Ph.D., Florida Atlantic University, Assistant Professor. Program languages, data structures and cybersecurity.

Michael J. Laszlo, Ph.D., Princeton University. Professor. Computer graphics, data structures and algorithms, software engineering, and programming.

Yair Levy, Ph.D., Florida International University. Professor. Cybersecurity skills and competencies, social engineering, cybersecurity awareness and cyber threat prevention, as well as experimental research design.

Wei Li, Ph.D., Mississippi State University. Professor. Computer security, network security, software engineering, artificial intelligence, database systems.

Peixiang Liu, Ph.D., Imperial College London. Professor. Computer networks, QoS routing, database systems, machine learning.

Thomas W. MacFarland, Ed.D., Associate Professor (on Administrative Leave). Institutional research, assessment of student learning outcomes, Federal data resources, K-12 computer science education.

Frank Mitropoulos, Ph.D., Nova Southeastern University. Professor. Programming languages, data structures, software engineering, object-oriented design, mobile application design and development.

Sumitra Mukherjee, Ph.D., Carnegie Mellon University. Professor. Artificial intelligence, machine learning, analytics, business intelligence, database security, and data management.

Greg Simco, Ph.D., Nova Southeastern University. Professor, Chair. Operating systems, data communications, computer networks, client-server computing, distributed systems, systems performance evaluation.

Ling Wang, Ph.D., Purdue University. Professor, Research methodology and statistics, learning systems and technologies, information privacy, and computing ethics.

Contact Information for CCAC

College of Computing, AI and Cybersecurity
Nova Southeastern University
3301 College Avenue, Carl DeSantis Building
Fort Lauderdale, Florida 33314-9918

800-986-2247/954-262-2031

https://computing.nova.edu/

Tuition and fees

Tuition for 2026–2027 will be posted on the college's website at *https://computing.nova.edu/admissions/tuition-fees.html* and are subject to change.

University-Wide Fees

The university sets the overall student fees on an aggregate, student-centric basis for the entire student body, as the same quality education and opportunities for student benefits are offered to all students regardless of whether they attend on campus, online, in clinicals, or hybrid classrooms. The below fees are assessed for all NSU students. Additional fees, such as acceptance, access, late registration, and lab fees, may be assessed by your college and/or program. Please visit *https://www.nova.edu/bursar/billing/tuition-fees.html* for more information.

COLLEGE'S ADMISSIONS POLICIES

Admissions Information and Requirements (M.S.)

Admission decisions are made on a rolling basis. Applications will be reviewed by the Admissions Committee after the following items have been received by the admissions office: application form, application fee, résumé, and the sealed official transcript from the conferred 4-year bachelor's degree (unofficial copies are acceptable pending receipt of sealed official transcript).

Master's (M.S) Program Minimum Admission Requirements are as follows:

1. An earned bachelor's degree with a GPA of at least 2.5 from a regionally accredited institution and with an appropriate major (see program-specific admission requirements under individual programs). Lower GPA scores must be accompanied by a supplemental letter explaining why the low GPA does not reflect inadequate potential for success in the program.
2. Online application form and application fee.
3. Sealed official transcript from the conferred 4-year bachelor's degree institution attended. A résumé

Admission Information and Requirements (Ph.D.)

Applications will be reviewed by the Admissions Committee after the following items have been received by the admissions office: application form, application fee, resume/curriculum vitae, and sealed official transcripts from the conferred 4-year bachelor's degree and conferred master's degree (unofficial copies are acceptable pending receipt of sealed official transcripts).

Applications and all required documents must be submitted one month prior to the start of the term. Any late completed applications will automatically be processed for the next available term.

Ph.D. Minimum Requirements are as follows:

1. An earned bachelor's or master's degree with a GPA of at least 3.2 from a regionally accredited institution and with an appropriate major (see program-specific admission requirements under individual programs).

1. Online application form and application fee.
2. Sealed official transcripts from the conferred 4-year bachelor's degree and conferred master's degree from the institutions attended.
3. A Résumé/Curriculum vitae (CV) that provides a short account of your academic background and professional experience.
4. Proficiency in the English language. Ph.D. students are expected to write numerous papers and a dissertation. Grammatical errors, spelling errors, and writing that do not express ideas clearly will affect a student's grades and the completion of his or her degree. The faculty will not provide remedial help concerning grammatical errors or other writing problems. Applicants who are unable to write correctly and clearly are urged to seek remedial help before applying to any of the college programs.

Additional Admission Requirements for International Students.

1. The applicant must have a university-level education equivalent to a regionally- accredited United States bachelor's or master's degree in a related field (see program- specific admission requirements in this catalog) with an equivalent GPA meeting the stated minimum. A course-by-course evaluation with a GPA calculation is required. To enable CCAC to determine equivalencies, applicants must have their degrees evaluated by an agency that is a member of the National Association of Credential Evaluation Services (NACES). For current information on evaluation agencies visit *http://www.naces.org/members.html.*
2. Applicants whose native language is not English are required to demonstrate English proficiency. The following standardized tests satisfy the university's English requirement for nonnative English speakers: (1) Duolingo English Test (*https://englishtest.duolingo.com/*): minimum score 105; (2) International English Language Testing System (IELTS) (*www.ielts.org):* 6.0 on the Academic test module; and (3) Pearson Test of English – (PTE-Academic) (*https://pearsonpte.com/*): 54 on the computer-based test; and (4) Test of English as a Foreign Language (TOEFL) (*www.ets.org/toefl):* 4on the Internet-based test. Official test results must be sent directly from the testing agency to Nova Southeastern University. An applicant can qualify for an exemption from taking an English proficiency examination if one of the following criteria is met: (1) successful completion of at least a bachelor's degree at a regionally approved U.S. institution of higher education; (2) passing Level 5 at Talk International Language School; (3) completion of a degree at an institution in one of the following countries: Australia, English-speaking Canada, Ghana, Ireland, New Zealand, or United Kingdom.
3. Applicants for the M.S. programs may complete their degrees entirely online and do not have to travel to the United States.
4. Pursuant to U.S. Citizenship and Immigration Services (USCIS) regulations, international students who are granted full admission to a M.S. program requires an I-20 in order to obtain a student (F-1) visa for study in the U.S. for the length of their programs.
5. The application fee must be in U.S. dollars.
6. An Enrollment Deposit Fee for F-1 visa students of $500 will be required to process the accepted applicant's I-20. This deposit will go toward your tuition costs once you are officially enrolled in classes and is not refundable in the event of a withdrawal or non-register. An I-20 cannot be issued to a conditionally or provisionally admitted student. All official documents and the $500 deposit fee must be submitted.

Detailed instructions are provided on the website of the Office of International Students and Scholars: *http://www.nova.edu/internationalaffairs/students/*. Applicants may contact the university's Office of International Students and Scholars by email: intl@nova.edu; telephone: 954-262-7240 or 800-541-6682, ext. 27240; or fax: 954-262-3846. An I-20 cannot be issued to a provisionally admitted student. Interested international applicants should contact the university's Office of International Students and Scholars.

Official Transcripts

Master's (M.S.) Program Minimum Admission Requirements are as follows:

- An earned bachelor's degree with a GPA of at least 2.5 from a regionally accredited institution and with an appropriate major (see program-specific admission requirements under individual programs). Lower GPA scores must be accompanied by a supplemental letter explaining why the low GPA does not reflect inadequate potential for success in the program.

- Online application form and application fee.
- Sealed official transcript from the conferred 4-year bachelor's degree institution attended.
- A résumé.

Transfer Credit Policy (M.S. only)

A maximum of six credit hours of graduate-level work will be considered for transfer if (1) the graduate credit was earned within five calendar years of course completion, (2) the credit was earned from a regionally accredited university, (3) the content of the courses requested for transfer is equivalent to an NSU course in the program of study (4) the courses were not used toward a prior awarded degree, and (5) a grade equivalent to B or higher in each of the courses requested for transfer. A grade of P (Pass) of CR (Credit) or other such grades will not be accepted. Upon admission into one of the master's degree programs, the student may request approval of transfer of credits in writing to an academic advisor. Official transcripts are required to process requests for transfer of credits. The acceptance of transfer credits is at the sole discretion of the College of Computing, AI and Cybersecurity.

Provisional Admission

Applicants are provisionally admitted based on a review of unofficial transcripts and/or unofficial test scores. This initial status of provisional admission allows students to register for one term only (the term of acceptance). All final and official documents and requirements must be received within ninety (90) calendar days from the start of the term.

If these final and official documents and/or requirements are not received by that time, the student will not be allowed to continue class attendance. Financial aid will not be disbursed to a provisional student until he or she has been fully admitted as a regular student (all admission requirements have been approved by the Office of Admissions)."

All students must have at least provisional admission status, be officially registered, and pay tuition and fees in order to attend class, receive a grade, and receive academic credit. Students should register via SharkLink for the fall, winter, and summer semester during the open registration period, and take advantage of the university's online degree- evaluation system Degree Works for guidance (see "Degree Works" on page 69 for more details). Students should register for all courses they intend to complete within a semester and not wait until the semester has started to register for part of a term. Petitions for changes to course registrations will only be accepted up to 20 days after each semester ends. Registering early for the entire semester ensures availability of seats in required classes and allows the Financial Aid and Academic Records (FAAR) to properly process and disburse the student's financial aid. An official grade will not be recorded, and credit will not be given to anyone who attends class as an unregistered student. The following holds will prevent students from registering: NSU employee hold—NSU employees must submit a Student Transaction Form (STF) to register. An online STF is available on the registrar's website; paper STF's may be submitted at the One-Stop Shop or the Office of the University Registrar. Other holds, such as a bursar or academic hold, may prevent students from registering. Students must contact the respective hold originator to resolve the hold before registering in SharkLink. Please note that late registration will not be accepted if a financial hold was not cleared prior to the closing of the registration period.

Readmission

Any student who has been withdrawn or dismissed and wishes to re-enter the program must apply for readmission in accordance with the requirements outlined below. Students withdrawn from NSU due to academic inactivity and seeking readmission to their academic program will be required to petition

their specific college or academic program for readmission.

The application for readmission cannot be submitted until one (1) year has elapsed since withdrawal or dismissal. The application for readmission must be submitted to the Office of Admissions and must include the items listed in the minimum admission requirements. The applicant, in a separate letter, must present the reasons why the conditions that led to dismissal or withdrawal have been remediated and why the applicant now feels more confident about succeeding. The applicant needs only to send transcripts not previously submitted. If readmitted, the student must meet all program requirements in effect at the time of readmission and will be given a new time limit for completion of the program.

ACADEMIC RESOURCES AND STUDENT SERVICES

Academic Advising - Graduate Advisers for Admitted Students:

Laura Macias
Assistant Director, Graduate Academic Advising
Phone: (954) 262-2061 | Toll-free: (800) 986-2247, ext. 22061
Email: *ld639@nova.edu*

Latesha Ware
Graduate Academic Adviser
Phone: (954) 262-2056 | Toll-free: (800) 986-2247, ext. 22056
Email: *wlatesha@nova.edu*

If you have any general questions or comments, please email *cecadvising@nova.edu* or call (888) 719-0309 or Toll-Free: 800-986-2247, ext. 22031.

Student Organizations

Organizations with active CCAC affiliations include:

- Association for Computing Machinery (ACM)
- Association for Information Systems (AIS)
- CCAC Student Government Association (SGA)
- Institute of Electrical and Electronics Engineers (IEEE)
- NSU eHACKERs
- Upsilon Pi Epsilon Honor Society (UPE)

Alumni Association

For information, visit NSU's Alumni Association at *https://alumni.nova.edu*

2026 - 2027 ACADEMIC CALENDAR

Fall 2026: August 17, 2026 - December 6, 2026	
Open Registration Period	Term I: April 6, 2026 - August 16, 2026 Term II: April 6, 2026 - October 16, 2026
Late Registration Begins	August 7, 2026 (Late Registration Fees Applied)
Drop/Add Period	August 17 - 23, 2026 / October 12 - 18, 2026
Last Day to Withdraw	September 20, 2026 / November 15, 2026
Last Day to Request Incomplete	September 27, 2026 / November 22, 2026
*Doctoral meeting dates are subject to change	

Winter 2027: January 4, 2027 - May 2, 2027	
Open Registration Period	Term I: October 19, 2027 - January 3, 2027 Term II: October 19, 2027 - March 7, 2027
Late Registration Begins	December 25, 2026, Late Registration Fees Applied)
Drop/Add Period	January 4 - 10, 2027 / March 8 - 14, 2027
Spring Break: March 1, 2027 - March 7, 2027	
Last Day to Withdraw	February 7, 2027 / April 11, 2027
Last Day to Request Incomplete	February 14, 2027 / April 25, 2027

Summer 2027: May 3, 2027 - July 25, 2027	
Open Registration Period	March 29, 2027 - May 2, 2027
Late Registration Begins	April 23, 2027 (Late Registration Fees Applied)
Drop/Add Period	May 3, 2027 - May 9, 2027
Last Day to Withdraw	May 30, 2027
Last Day to Request Incomplete	June 13, 2027

Detailed information including Drop/Add Periods and Tuition Refund Schedule can also be found at *https://computing.nova.edu/graduate/academic-calendar.html***.**

NSU administrative and academic offices/departments are closed on NSU observed holidays. The information can be found at *https://www.nova.edu/hr/holiday-schedule.html*

Academic Misconduct

The university is an academic community and expects its students to manifest a commitment to academic integrity through rigid observance of standards for academic honesty. The university can function properly only when its members adhere to clearly established goals and values. Accordingly, the academic standards are designed to ensure that the principles of academic honesty are upheld. Students are required to comply with NSU Code of Student Conduct and Academic Responsibility as outlined in the *NSU Student Handbook*. Please also *see "Student Misconduct Policies and Procedures" section* for information our college's specific policies and procedures.

In addition, students are expected to submit tests and assignments that they have completed without aid or assistance from other sources. Using sources to provide information without giving credit to the original source is dishonest. Students should avoid any impropriety or the appearance thereof in taking examinations or completing work in pursuance of their educational goals. Students in violation will be subject to disciplinary action.

Consequences for academic misconduct can include but are not limited to reduced grades on assignments or in courses, and failing grades on assignments or in courses, as determined by the course professor. Academic misconduct may also result in dismissal from the College of Computing, AI and Cybersecurity without the possibility of re-enrolling at any time. Students may not withdraw from a course in progress to avoid a failing grade upon receiving notice that academic misconduct may have occurred.

Note: If a charge of academic misconduct is determined in a course, any student-initiated withdrawal for that course may be administratively reversed, and a grade of "F" may be entered on the student's transcript for that course.

Administrative Withdrawal

M.S.

Other than students on a college-approved leave of absence. Any student who fails to register or enroll in any courses at the College of Computing, AI and Cybersecurity for a period of one year (3 consecutive full terms/semesters) or more will be considered administratively withdrawn from the program/college. Any administratively withdrawn student wishing to reenroll in the college/program, must contact their academic advisor to petition for readmission. Any student who is granted readmission will be subject to the requirements established under the current catalog in effect at the time of their readmission. Petitions for readmission are evaluated on a case-by-case basis and approval is not guaranteed.

Ph.D.

Doctoral students are expected to register for courses or dissertation credits continuously from acceptance in the program until graduation. In the event of circumstances that preclude registration for course or dissertation credit, the student must notify the Academic Advising department in the Office of Academic Affairs, in writing, of their intent to take a leave of absence. The leave should be coordinated with the student's dissertation chair, if such a relationship exists, before approval by the Office of Academic Affairs. Note that coordination with the dissertation chair does not guarantee that the dissertation committee will continue to work with the student upon the student's return. Any Doctoral student who fails to register for courses or dissertation credits

continuously and is not on a leave of absence will automatically be administratively withdrawn from their academic program. Any administratively withdrawn doctoral student who wishes to resume their academic program must contact their academic advisor to petition for readmission.

Petitions for readmission are evaluated on a case-by-case basis and approval is not guaranteed.

Students who wish to request a leave of absence from his/her program of study must follow the Leave of Absence procedure in the *NSU Student Handbook*.

Attendance Policy

Students are required to be present at each meeting of their classes on campus. Exceptions to this rule may be made in the case of illness or in other hardship situations when approved by the course professor. Students should advise their course professors in advance of any anticipated absences. Additional work may be required by a course professor for any absence. Excessive absences will result in a failing grade. For online and hybrid courses, participation/attendance policies will be covered in the syllabus of each course. Each course requires substantial participation in the first week of each term.

Auditing of Courses

Auditing of courses is not allowed or permitted by the College of Computing, AI and Cybersecurity.

Degree Conferral

Degree conferral process: *https://www.nova.edu/registrar/services/degree-conferral.html*

Note: Existing holds and outstanding balances will not prevent degree conferral, but failure to complete and submit a degree application in a timely manner will affect your degree conferral date. Understand, however, that no diploma, transcripts or degree verification will be released until all financial obligations have been satisfied.

Graduation Requirements

- Students must complete the minimum number of credit hours designated for the chosen program, and must meet the following requirements:
- Satisfaction of program and academic requirements including completion of courses, master's thesis where appropriate and, for the Ph.D., an approved dissertation as specified in program documentation.
- **Ph.D. students:** Attendance at all required class meetings.
- Attainment of a cumulative GPA of at least 3.0 (M.S. students) and 3.20 (Ph.D. students).

Registration

Students must be officially registered prior to the start of courses in order to participate in and receive credit for those courses. Students can register and confirm their registration status by accessing NSU SharkLink (*https://sharklinkportal.nova.edu*). Prior to registration, students must complete the Nova Southeastern University Student Enrollment Agreement (SEA) each semester or risk being dropped from their courses. To avoid late fees, students should register during the open registration period before the registration deadline. Students should register for all courses they intend to complete within a semester and not wait until the semester has started to register for part of a term. Petitions for changes to course registrations will not be accepted beyond 20 days after each semester ends. Registering early for the entire semester ensures availability of seats in required classes and allows the

NSU Financial Aid and Academic Records (FAAR) to properly process and disburse the student's financial aid. Students must be fully admitted in order for financial aid funds to disburse. An official grade will not be recorded, and credit will not be given for anyone who attends class as an unregistered student.

All holds must be cleared at the time of registration, and all registrations must be completed by the last date of the registration period. Late registration will not be accepted if due to a financial hold that was not cleared prior to the close of registration period.

Registration after the close of the published registration period, when permitted, may incur a late registration fee. Registration materials are available on the school's website.

Students should also visit *https://www.nova.edu/registrar/services/registration.html* for more information on Financial Hold and Roster Reconciliation policies.

Standards of Academic Integrity

For the university-wide policy on academic standards, see the section Code of Student Conduct and Academic Responsibility in NSU's *Student Handbook,* student is responsible for maintaining academic integrity and intellectual honesty in his or her academic work.

Student Research Involving Human Subjects

All students must be aware of the university's policy regarding research involving humans. The instruments and protocols of surveys, interviews, tests, or any other types of assessments involving human subjects must be reviewed in advance by the university's Institutional Review Board (IRB). The purpose of the IRB is to protect the rights of human subjects involved in research and ensure appropriate practices are being carried out at NSU. CCAC has a representative to the IRB who can help students with the review process. There are three levels of review: exempt, expedited, and full review. The CCAC representative guides students regarding the level of review required and assists with any paperwork and procedures that might be required. Most research at CCAC involving human subjects falls into the exempt category, which requires a rather simple process, but it must be logged appropriately. Doctoral students doing such research should contact the CCAC IRB representative by the time they start working on their dissertation proposals. Additional information can be found at http://www.computing.nova.edu . Courses also may involve human subject research. In most cases, faculty members secure approval in advance for all students in the course. Students planning to conduct human subject research in a course should raise the matter with their professor. Students may obtain additional information from the program office and from *http://www.nova.edu/irb/.*

Student Participation in Extracurricular Research

Research is a critical component in maintaining the quality of educational programs. Research may require the collection of data from human subjects. Students may be requested by faculty to participate as human subjects in research activities. The NSU Institutional Review Board (IRB) has established procedures to ensure that all research involving human subjects complies with applicable federal laws and regulations. An important consideration in obtaining IRB approval of research is the protection of the privacy of the human subjects participating in the study. While most research studies are designed to offer some level of privacy protection to the participants, the complete anonymity of the participants cannot be guaranteed in all research activities conducted at NSU. However, a primary protection provided by the IRB process is that no researcher may involve individuals as subjects in research without their informed consent. CCAC students are advised that while their participation in these research activities is extremely valuable to the researchers conducting these investigations, their participation is strictly voluntary. No CCAC student will be required to participate in any research

activity that is conducted outside the scope of established course activities. Students are encouraged to discuss the scope and requirements of any research program with the principal investigator prior to volunteering to participate in the research activity. Any questions regarding the IRB can be directed to the CCAC IRB representative.

Thesis Option

(Applicable to programs that support a thesis.) For the thesis option, students must register twice for MMIS 699 for a total of six credit hours. These credit hours are in lieu of six credit hours of course work (usually electives). Students who have not completed the thesis by the end of the second thesis registration must register for continuing thesis. Students interested in the thesis option should contact the program office to make arrangements.

The Dissertation

Students must successfully pass the qualifier stage, secure an advisor and dissertation committee, and have an approved Idea Paper before pursuing dissertation course registration. Students will have qualified for doctoral candidacy and be permitted to register for Doctoral Dissertation after they have completed their required course work with a minimum cumulative GPA of 3.20 completed at least two sections of Doctoral Research and a submitted dissertation idea approved by a faculty advisor and two readers. Three registrations of Doctoral Dissertation are required, to be taken over three consecutive terms. The dissertation is the most important requirement for the Ph.D. Each student is expected, with the approval of a faculty advisor, to select an appropriate topic of sufficient scope to satisfy the requirements for the dissertation. Although registration for Doctoral Dissertation cannot occur until doctoral candidacy is established, students are encouraged to learn about the dissertation process as early as possible and to begin talking with faculty members about potential research topics early in the program.

The dissertation must be an original work and must represent a significant extrapolation from a base of solid experience or knowledge in the student's area of concentration. Dissertation results must, in a significant way, advance knowledge, improve professional practice, or contribute to understanding in the field of study. Results must be of sufficient strength to distill from the work a paper worthy of publication in a major journal. Although publication is not a requirement for completing the Ph.D., students are encouraged to submit their dissertation research for publication. Ph.D. students must follow the policies, procedures, and formatting requirements contained in the Dissertation Guide (*https://computing.nova.edu/doctoral/documents/dissertation guide.pdf*) (Students are required to present an oral defense of the dissertation.

Unregistered Students

Students who are not registered are not eligible to receive academic services from faculty and staff members and are not eligible to receive computing, library, and other university services. Doctoral students, see also section Leave of Absence.

Writing Skills and Form and Style Requirements

Students must demonstrate proficiency in the use of the English language. Writing, including grammatical errors and spelling errors, that fails to express ideas clearly will affect their grades and the completion of their academic programs. The faculty will not provide remedial help concerning grammatical errors or other writing difficulties. It is the student's responsibility to proofread and edit his or her work, which, in both form and content, should be letter-perfect. Work that is not properly edited will be rejected.

For an individual course, the course professor will specify form and style requirements in the course syllabus. For the M.S. thesis, students must follow the guidance of their thesis advisors. Ph.D. students must follow the policies, procedures, and formatting requirements contained in the school's *Dissertation Guide* (2013) for the planning and preparation of the dissertation, as well as the guidance of their dissertation advisors. M.S. and Ph.D. students may find the *Dissertation Guide* helpful in the preparation of other work. Several books contain general guidelines for form, style, and writing. *On Writing Well* (Zinsser, 2006) is an excellent guide to clear, logical, and organized writing. *The Elements of Style* (Strunk & White, 2000) is a compact handbook on the basic principles of composition, grammar, word usage and writing style. The *Publication Manual of the American Psychological Association* (APA) (2010), a comprehensive handbook on writing for publication, addresses editorial style, grammar, and organization. Give particular attention to Chapter 2, Manuscript Structure and Content; Chapter 3, Writing Clearly and Concisely; and Chapter 4, The Mechanics of Style. Chapter 3 also has good advice on writing style and grammar. Another excellent handbook on writing for publication is *The Chicago Manual of Style* (2003). The APA manual and the Chicago manual contain guidance on punctuation, spelling, capitalization, abbreviations, quotations, numbers, statistical and mathematical material, tables, figures, footnotes, appendixes, and reference citations in text. Students should use a good dictionary such as *Merriam- Webster's Collegiate Dictionary* (11^{th} ed.).

COLLEGE'S STUDENT MISCONDUCT POLICIES AND PROCEDURES

Students are expected to conduct themselves as respectable and respectful members of the academic community. The school will not tolerate acts of academic dishonesty, or behavior that is unethical, unprofessional, flagrantly disruptive, or that violates the general understanding of the proper conduct of graduate students. Committing an act of misconduct may subject the student to disciplinary action, including, but not limited to, dismissal from the university.

Procedures for Resolving Allegations of Student Misconduct

Allegations of student misconduct must be made in writing to an advisor, faculty member, Dean, or member of the Dean's executive staff, by a faculty member, staff member, or student. Pertinent factors, witnesses, events, and evidence related to the alleged misconduct should be included. Non-academic violations will be handled by the Office of the Dean of Student Affairs pursuant to the policies and procedures detailed in the NSU Handbook. Alleged violations of academic standards will be examined by the Department Chair of the student's program who will determine if an inquiry should be conducted into the allegations, he or she will notify the accused of the inquiry, including sufficient details about the nature of the allegations for the basis of the inquiry to be understood, and the specific academic standards that were alleged to have been violated. The Department Chair may appoint a faculty designee to conduct the investigatory phase of the inquiry. Students who believe that the Department Chair has a conflict of interest which prevents them from conducting the student conduct process in an impartial manner should notify the Dean of such allegation, along with any supporting information in writing, within two business days of receiving notice of the inquiry. In such circumstances, an independent party from outside of the College will be appointed by the Dean to review such claims and make a determination if a conflict of interest exists. If the determination is made that a conflict exists, the Dean will designate a replacement faculty member to complete the student conduct process. If a determination is made that no conflict exists, the student conduct process will continue with the original Department Chair.

As part of the inquiry, all pertinent documentary evidence and statements from witnesses will be assembled by the Department Chair or his/her designee. Students are permitted to review the report that initiated the conduct process against them, and any other documentation they would otherwise be permitted to inspect or review pursuant to the Family Educational Rights and Privacy Act.

The accused will be given an opportunity to provide the Department Chair with a written response to the allegations within seven days of receipt of the inquiry notice. After reviewing the findings of the inquiry, if the Department Chair determines that misconduct has been committed, the Department Chair will identify an appropriate sanction (see NSU's Student Handbook) and make a recommendation to the Dean. The Dean may accept, reject, or modify the recommendation of the Department Chair, and will notify the student of his or her findings and penalty. The student may acquiesce or appeal in writing to the Director of Academic Affairs, or his/her designee as indicated in the correspondence provided to the student from the Dean, setting forth the grounds for appeal. Grounds for appeal are limited to:

1. The student has new, relevant evidence that was not available during the investigation that would substantially alter the outcome of the case.

2. Information that that applicable University and/or College policies/procedures were not followed, and the deviance would substantially alter the outcome of the case.

3. The sanction(s) do not relate appropriately to the violation.

Failure of the accused to appeal to the Director of Academic Affairs, or his/her designee, in writing within 10 days from the date of receipt of the report shall be construed as acquiescence of the Dean's findings and prescribed penalty. Appeals that do not rely upon the specific grounds for appeal described above will be denied. If the Director of Academic Affairs, or his/her designee, timely receives an appeal from the accused student, an appeal of an academic violation will be conducted by the College's Academic Review Board, while appeals of non-academic violations will be conducted by the Office of the Dean of Student Affairs, in accordance with the procedures detailed in the NSU Student Handbook. The College's Academic Review Board will consider the grounds for appeal cited by the student and may uphold, overturn, or modify the Deans decision or remand the matter back to the Department Chair for further investigation. The decision of the College's Academic Review Board is final.

GRADING SYSTEM

Grade	Quality Points
A	4.0
A–	3.7
B+	3.5
B	3.0
B–	2.75
C+	2.50
C	2.0
C–	1.75
F	0
I	A temporary grade assigned for incomplete course work.
P	Pass. Indicates successful completion in a course. Carries credit hours but no grade points.
W	Withdrawn from a course
PR	Progress. May be assigned to thesis or dissertation. Carries credit hours but no grade points. Indicates progress toward completion of a thesis or dissertation.
NPR	No Progress. May be assigned to thesis or dissertation. Carries no credit hours. Indicates insufficient progress toward completion of a thesis or dissertation. Repeated NPR grades will result in probation (see section Evaluation of Research Progress).

To determine the grade point average (GPA), divide the sum of all the grade points earned in graduate courses taken toward the graduate degree by the number of course credit hours taken toward that degree. Only those courses and projects taken toward the degree that carry grade points, except courses that have been repeated, and transfer credits are included in the computation of the GPA. The grades of I, W, PR, and NPR do not affect the GPA. With the exception of the grade of I, once a final grade in a course has been recorded by the Office of the University Registrar it can be changed only in cases of computational error or other justifiable cause approved by the dean (see Challenge of Course Grade). A student may not do additional work nor repeat an examination to raise a final grade.

The Temporary Grade of Incomplete (I)

The temporary grade of Incomplete (I) will be granted only in cases of extreme hardship. Students do not have a right to an Incomplete, which may be granted only when there is evidence of just cause. A student desiring an Incomplete must submit a written appeal to course professor at least two weeks prior to the end of the term. In the appeal, the student must: (1) provide a rationale; (2) demonstrate that he/she has been making a sincere effort to complete the assignments during the term; and (3) explain how all the possibilities to complete the assignments on time have been exhausted. Should the course professor agree, an *Incomplete contract* will be prepared by the student and signed by both student and professor. The Incomplete contract must contain a description of the work to be completed and a timetable. The completion period should be the shortest possible. The completion date will not typically extend beyond 30 days from the last day of the term for master's courses or 60 days from the last day of the term for doctoral courses. The Incomplete contract will accompany the submission of the professor's final grade roster to the program office. The program office will monitor each incomplete contract. When the incomplete

contract ends. The course professor will assign a grade based upon the work completed. No student may graduate with an "I" on his or her record. The grade of an "I" does not apply to master's thesis or doctoral dissertation registrations.

Grade Policy Regarding Withdrawals

Course withdrawal requests must be submitted to the program office in writing by the student. Requests for withdrawal must be received by the program office by the withdrawal deadline (see specific withdrawal deadline dates in the Academic Calendar on p. ii). Withdrawals sent by email must be sent from the student's assigned NSU email account. Requests for withdrawal received after 11:59 p.m. on the withdrawal deadline date will not be accepted. Failure to attend class or participate in course activities will not automatically drop or withdraw a student from the class or the university. Students who have not withdrawn by the withdrawal deadline will receive letter grades that reflect their performance in the course. When a withdrawal request is approved, the transcript will show a grade of W (*Withdrawn*) for the course. Students with four withdrawals will be subject to dismissal from the program.

Depending on the date of withdrawal, the student may be eligible for a partial refund (see detailed information including Drop/Add Periods and Tuition Refund Schedule at *https://computing.nova.edu/graduate/academic-calendar.html*.

Repeating a Course

See sections for Academic Progress, Grade Requirements, and Academic Standing.

Challenge of Course Grade

A student who wishes to challenge a grade assigned for an entire course must communicate with the course professor, in writing, within 15 calendar days of posting of the grade. In this communication, the student must state the reasons for requesting a change in grade. A decision will be made by the course professor following his or her review of the appeal. If the student is not in agreement with the course professor's decision, the student can choose to appeal, in writing, to the department chair. The chair will review the appeal and return a decision in writing. The student will not be permitted further appeal. A student may neither do additional work nor repeat an examination to raise a final grade.

Student Grievance Procedure

Please see NSU Student Handbook (*nova.edu/student-handbook*) for information.

Degree Recission Policy

This policy outlines the protocols for the rescission of a conferred and awarded degree from Nova Southeastern University. The policy information can be found at *https://www.nova.edu/academic-affairs/documents/aqaa/forms/NSU-Degree-Rescission-Policy.pdf*

Communication by Email

Students must use their NSU email accounts when sending email to faculty and staff and must clearly identify their names and other appropriate information, e.g., course or program. When communicating with students via email, faculty and staff members will only send email to students' NSU email accounts. Students who forward their NSU-generated email to other email accounts do so at their own risk. CCAC uses various course management tools that use private internal email systems. Students

enrolled in courses using these tools should check both the private internal email system and NSU's regular email system. NSU offers students web-based email access. Students are encouraged to check their NSU email accounts and their course management email accounts daily. Please also see Means of Communication with Students in the *NSU Student Handbook*.

Academic Progress, Grade Requirements, and Academic Standing

Students are expected to maintain satisfactory academic progress through their programs. Relevant academic policies are as follows (also see the section Time Limitations):

The following requirements apply to M.S. students:

- Each student must maintain a cumulative grade point average (GPA) of at least 3.0 for the duration of his or her program to remain in good academic standing. When the cumulative GPA falls below 3.0, the student is automatically placed on academic probation and will not be permitted to graduate. (Academic probation may adversely affect financial aid.) If the cumulative GPA is not raised to 3.0 within two terms, the student may be dismissed from the program. Upon achieving a cumulative GPA of 3.0, the student will be removed from academic probation. If the cumulative GPA could not possibly be raised to 3.0 within the required period, the student will be dismissed.
- Students with four withdrawals will be subject to dismissal.
- Students who receive a second grade of F in any course will be subject to dismissal (independent of whether the first F was repeated with a passing grade).
- A student who has passed a course with a grade of B or higher is not permitted to repeat it for credit. A student receiving a grade of B– or lower has
- one opportunity to repeat the course and earn a higher grade. Students are recommended to consult with their academic advisor before registering for a repeated course. Students may not repeat more than two courses to earn passing grades. The transcript will show both the original and repeat grades; however, only the higher grade will be counted in the student's cumulative GPA. Students repeating a course must pay course tuition and fees.

The following requirements apply to Ph.D. students:

- Students must maintain a cumulative grade point average (GPA) of at least 3.20 for the duration of their programs to remain in good academic standing. If the cumulative GPA falls below 3.20, the student will automatically be placed on academic probation. (Academic probation may adversely affect financial aid.) If the cumulative GPA is not raised to 3.20 within two terms, the student will be dismissed from the program. Upon achieving a cumulative GPA of 3.20, the student will be removed from academic probation. If the cumulative GPA could not be raised to 3.20 within the required period, the student will be subject to dismissal. Students who do not have a cumulative GPA of 3.20 at the end of their course work will not be eligible to enter doctoral candidacy or register for dissertation. Students with four withdrawals will be subject to dismissal.
- Students may repeat a doctoral course to replace the earned grade (whether it was passing or failing). At most two courses may be repeated. Students repeating a course must pay course tuition and fees.
- Students may not repeat a master's course taken to fulfill requirements specified on admission to the doctoral program.
- Students who receive two failing grades will be subject to dismissal (independent of whether the first F was repeated with a passing grade).

- Doctoral courses taken to satisfy prerequisite requirements must be completed with a grade of B or better.
- Registered but inactive dissertation students risk losing their advisors/committees, especially if their inactivity has not been coordinated with their advisors.
- Students who make sustained unsatisfactory progress toward the completion of a dissertation will be placed on probation, and are subject to dismissal (see
- the section Evaluation of Research Progress).
- Doctoral Research courses can be taken at a maximum of four times (regardless or NPR or PR grade). Students who do not complete their Idea Paper within such a timeframe will be subject to dismissal.

Evaluation of Research Progress (Ph.D. Students Only)

(See the section Academic Progress, Grade Requirements, and Academic Standing.)

Students are evaluated each term by their dissertation committee regarding their research progress. The purpose of such evaluations is to provide students with relevant and timely feedback concerning their overall performance in the dissertation process. Students that receive a total of three NPR grades may be subject to dismissal from the Ph.D. program. Students must demonstrate proficiency in the use of the English language in all work submitted during the dissertation process. Grammatical errors, spelling errors, and writing that fail to express ideas clearly and may result in an NPR grade. The faculty will not provide remedial help concerning grammatical errors or other writing problems that students might have. Students who are unable to write clearly and correctly are urged to obtain remedial help. (See the section Writing Skills and Form and Style Requirements.)

Leave of Absence Policy

A leave of absence (LOA) is a university-approved temporary period of time during which the student is not in attendance but is not considered withdrawn from the university. Students who experience certain circumstances that prevent them from maintaining an active status through continuous enrollment must consult with their academic advisor, program office, or the Office of the Dean of Students representative to determine whether their circumstances warrant an LOA request and to discuss the impacts of an approved LOA on their degree/program completion, academic standing, course grades, and conditions for return. Financial aid recipients who wish to request an LOA must also consult with a financial aid counselor to learn about impacts on their financial aid eligibility. Failure to qualify for—or timely return from—an LOA may have a significant impact on a student's ability to procure future financial aid and may result in the student being placed into a loan repayment status with the student's lender pursuant to applicable federal regulations. An LOA request must be submitted at least 14 days prior to the beginning of the semester/term for the leave. Leaves requested after the semester/term has begun will be considered for approval only in a documented extreme circumstance, as determined by the university as its sole discretion. An approved LOA may be granted for up to 180 days within a 12-month period. For more details, including the Leave of Absence Request Form, visit the Office of the University Registrar's website at *nova.edu/registrar/policies/leave-of-absence-policy.html*

Program Length / Time Limits

M.S.

Students must complete requirements for the master's degree within three (3) years from the initial term of registration. Students unable to complete the program within this three-year timeline may be subject to dismissal.

Students who experience unexpected extenuating circumstances that inhibit their ability to complete all program/degree requirements within three years may request an extension of time of up to one (1) year (maximum). Requests must be received during the last term prior to the expiration of the three-year timeframe for program/degree completion, for consideration. Students must be in good academic and financial standing to be eligible for an extension.

Ph.D.

Students must have an approved dissertation proposal within five (5) years of the date of their first registration and have completed all requirements for the Ph.D. degree within six (6) years from the initial term of registration. Students unable to complete the program within this timeline may be subject to dismissal.

Students who experience unexpected extenuating circumstances that inhibit their ability to complete all program/degree requirements within the ten-year timeframe, may request an extension of time of up to one (1) year (maximum). Extension requests must be received prior to the expiration of the ten-year timeframe for program/degree completion, during students' last term of enrollment, for consideration. Students must be in good academic and financial standing to be eligible for an extension.

Independent-Study Basis and Taking a Course in Another Program

Each of these requires the student to submit a request for approval to the relevant department chair prior to registration. Independent-study basis means taking a course that is published in the curriculum of the program under which the student is enrolled but is not currently offered (it would be taken under the supervision of a faculty member). The student would register for the course prefix and number listed in the curriculum. Taking a course in another program means taking a course in one of the school's programs in which the student is not enrolled. For each of these cases, the department chair will review the student's record to determine the appropriateness of the request. If the request appears to be consistent with the student's program and school policies, the department chair will consult with the appropriate faculty member for possible approval and will notify the student of the decision and any requirements.

DEGREE PROGRAMS: DEPARTMENT OF COMPUTING

Programs: B.S. Computer Science; B.S. Cybersecurity Management; BS. Information Technology; B.S. to Ph.D. in Computer Science Pathway; B.S. to Ph.D. in Cybersecurity Pathway; B.S. to Ph.D. in Information Systems Pathway; M.S.in Artificial Intelligence, M.S. Artificial Intelligence and Cybersecurity, M.S. Computer Science; M.S. Computer Science Education, M.S. Cyber Defense, M.S. Cybersecurity Management., M.S. Data Analytics and Artificial Intelligence, M.S. Information Systems; M.S. Information Technology; ; M.S Applied Artificial Intelligence Management; M.S. to Ph.D. in Computer Science Pathway; M.S. to Ph.D. in Cybersecurity Pathway; M.S. to Ph.D. in Information Systems Pathway Ph.D. Computer Science; Ph.D. Cybersecurity Management; Ph.D. Information Systems.

Masters of Science

Master of Science in Applied Artificial Intelligence Management

The M.S. in Applied Artificial Intelligence is a 30 credit-hour degree program that prepares professional to lead artificial intelligence (AI) initiatives, manage innovation and guide organizations through digital transformation.

Offered online and on campus in South Florida, the Master of Science in in Applied Artificial Intelligence i degree program blends theory and practice to develop skills you'll use to solve real-world problems.

Learning Outcomes

A graduate with an M.S. in Applied AI Management will have the ability to (1) communicate AI, information, and application management concepts, design, and solutions effectively and professionally. (2) apply knowledge of AI, information, and application management to produce effective designs and solutions for specific problems. (3) identify, analyze, and synthesize scholarly literature relating to the field of AI, information, and application management. (4) evaluate artificial intelligence and information analysis techniques for management planning and decision-making.

Program-Specific Admission Requirements

(For general requirements, see the *Admission* section)

The Master of Science in Applied AI Management degree is designed for students with undergraduate majors in computer science, business, information systems, information technology, engineering, mathematics, or physics.

Curriculum for the M.S. in Applied AI Management

Core Courses (3 credits each)

Complete 8 courses (30 credits)

MSIT	501	Foundations of Programming, Data Structures, and Algorithms
ISEC	615	Fundamentals of Cybersecurity
MMIS	623	Ethics in Computing
ISEC	655	Information Security Governance
MMIS	621	Information Systems Project Management

MMIS	671	Data Analytics and Artificial Intelligence
MMIS	677	Technology Management
MSIT	610	Introduction to AI

Elective Courses (3 credits each)

Select two courses (6 credits) from any offerings of 600-level courses prefixed MMIS or MSIT as electives. For a full of all course descriptions, visit *coursewizard.nova.edu*

Master of Science in Artificial Intelligence

The M.S. in Artificial Intelligence program at NSU prepares responsible, well-rounded graduates capable of protecting and defending artificial intelligence systems and users. As a result of this curriculum, students will meet the high demand need for artificial intelligence professionals who have the technical and theoretical foundation to become professionals. Get your M.S. in Artificial Intelligence at NSU and stand out in the world of AI.

The M.S. in Artificial Intelligence at Nova Southeastern University offers a rich, distinctive, and innovative graduate educational experience. The program will provide the opportunity for students to learn to develop depth in all the core concepts that build a foundation for artificial intelligence theory and practice.

Learning Outcomes

A graduate with an M.S. in Artificial Intelligence Cybersecurity will have the ability to (1) communicate professionally artificial intelligence and deep learning concepts applied to cybersecurity designs and solutions; (2) apply knowledge of artificial intelligence and computing to produce effective designs and solutions for specific cybersecurity problems; (3) information security risk management, auditing, and network security; and (4) demonstrate an understanding of the key concepts of the application of artificial intelligence to Knowledge, Skills, and Tasks (KSTs) to apply artificial intelligence to security control measures to mitigate cyber risks and attacks.

Program-Specific Admission Requirements

(For general requirements, see the *Admission* section)

The Master of Science in Artificial Intelligence degree is designed for students with undergraduate majors in computer science, information technology, engineering, mathematics, or physics. Applicants must have knowledge of data structures and algorithms, assembly language and computer architecture, structured programming in a modern high-level language, and discrete mathematics.

Applicants who do not have an adequate background may be required to take one or more of the following 500-level graduate courses, three credits each during the first two terms of the student's program:

MSIT	501	Foundations of Programming, Data Structures, and Algorithms
CISC	501	Computer Organization and Architecture
CISC	502	Mathematics in Computing
CISC	503	Data Structures and Algorithms

These are in addition to the required credit hours at the 600 level. Courses at the 500 level need to be completed prior to taking courses at the 600 level. All 500-level courses must be completed with a grade of 'B' or higher to continue in the program.

Curriculum for the M.S. in Artificial Intelligence

The M.S. in Artificial Intelligence is offered with two concentrations along with a no concentration option. Students must complete a total of 30 credits. Core courses, concentrations, and electives are listed below. If a thesis is elected, a thesis will replace two of the elective courses. Plans for the thesis option must be made with and approved by the program office.

Core Courses (3 credits each)

CISC	615	Design and Analysis of Algorithms
CISC	680	Software Engineering
MMIS	643	Data Mining
CISC	670	Artificial Intelligence
MMIS	671	Data Analytics and AI
MSIT	675	Deep Learning

Cybersecurity Concentration (4 Courses at 3 Credits each for a total of 12 Credits)

ISEC	615	Fundamentals of Cybersecurity
ISEC	620	Applied Cryptography
ISEC	640	Database Security
ISEC	650	Computer and Network Forensics
ISEC	660	Advanced Network Security

Data Science Concentration Courses (4 Courses at 3 Credits each for a total of 12 Credits)

MMIS	642	Data Warehousing
MSIT	630	Database Systems
CISC	672	Data Visualization
CISC	681	Computer Graphics
CISC	685	Interaction Design

No-Concentration (4 Courses at 3 Credits each for a total of 12 Credits)

CISC	610	Programming Languages
CISC	640	Operating Systems
CISC	650	Computer Networks
CISC	665	Distributed Systems
CISC	668	Mobile Application Development
CISC	682	Software Requirements Engineering
CISC	683	Object-Oriented Design
CISC	684	Software Testing and Verification

Master of Science in Artificial Intelligence and Cybersecurity

The Master of Science in Artificial Intelligence Cybersecurity at Nova Southeastern University offers a rich, distinctive, and innovative graduate educational experience. The program will provide the opportunity for students to learn to develop depth in all the core concepts that build a foundation for artificial intelligence (AI) theory and practice and its application to cybersecurity defense.

AI cybersecurity is poised to drive the next generation of global innovation. The need for skilled AI cybersecurity professionals is greater than ever, with 97 million new AI cybersecurity-related jobs expected globally over the coming years. Get your M.S. in Artificial Intelligence Cybersecurity at NSU and stand out in the world of AI cybersecurity.

Learning Outcomes

A graduate with an M.S. in Artificial Intelligence Cybersecurity will have the ability to (1) communicate professionally artificial intelligence and deep learning concepts applied to cybersecurity designs and solutions; (2) apply knowledge of artificial intelligence and computing to produce effective designs and solutions for specific cybersecurity problems; (3) demonstrate an understanding of the key concepts of the application of artificial intelligence to information security risk management, auditing, and network security; and (4) demonstrate Knowledge, Skills, and Tasks (KSTs) to apply artificial intelligence to security control measures to mitigate cyber risks and attacks.

Program-Specific Admission Requirements

(For general requirements, see the *Admission* section)

The Master of Science in Artificial Intelligence Cybersecurity degree is designed for students with undergraduate majors in computer science, information technology, engineering, mathematics, or physics. Applicants must have knowledge of data structures and algorithms, assembly language and computer architecture, structured programming in a modern high-level language, and discrete mathematics. Applicants who do not have an adequate background may be required to take one or more of the following 500-level graduate courses during the first two terms of the student's program:

MSIT	501	Foundations of Programming, Data Structures, and Algorithms
CISC	501	Computer Organization and Architecture
CISC	502	Mathematics in Computing
CISC	503	Data Structures and Algorithms

These are in addition to the required credit hours at the 600 level. Courses at the 500 level need to be completed prior to taking courses at the 600 level. All 500-level courses must be completed with a grade of 'B' or higher to continue in the program.

Curriculum for the M.S. in Artificial Intelligence and Cybersecurity

The M.S. in Artificial Intelligence Cybersecurity requires students to take all 10 courses in the list that follows. Students who wish to take an elective (above the 10 required courses) must request approval from the program office before registration.

Core Courses (3 credits each)

MMSI	623	Ethics in Computing
CISC	650	Computer Networks
CISC	670	Artificial Intelligence
MMSI	671	Data Analytics and AI
MSIT	675	Deep Learning

ISEC	615	Fundamentals of Cybersecurity
ISEC	640	Database Security
ISEC	660	Advanced Network Security
ISEC	675	Information System Auditing
ISEC	692	AI Cybersecurity Project

Master of Science in Computer Science

The Master of Science in Computer Science is a 30 credit-hour degree program designed to give students a thorough knowledge of the field and to provide an enduring foundation for future professional growth. Offered online and on-campus in South Florida, the Master of Science in Computer Science degree program blends theory and practice into a learning experience that develops skills applicable to complex real-world problems.

The security concentration in the M.S. in Computer Science is part of the Center for Information Protection, Education, and Research (CIPhER) that is recognized as a National Center of Academic Excellence in Cybersecurity (CAE-C) in Cyber Defense

(CD) and Cyber Research (R) by the U.S. National Security Agency (NSA) and its federal partners.

Learning Outcomes

A graduate with a M.S. in Computer Science will have the ability to (1) communicate computer science concepts, designs, and solutions effectively and professionally; (2) apply knowledge of computing to produce effective designs and solutions for specific problems; (3) identify, analyze, and synthesize scholarly literature relating to the field of computer science; and (4) use software development tools, software systems, and modern computing platforms.

Program-Specific Admission Requirements

(For general requirements, see the *Admission* section)

The M.S. in Computer Science degree is designed for students with undergraduate majors in computer science, engineering, mathematics, or physics, or a closely related field, and who have completed courses or have equivalent experience in data structures and algorithms, assembly language, computer architecture, programming in a modern high-level language, systems software (compilers or operating systems), calculus (differential and integral calculus), and discrete mathematics. Applicants who do not have adequate backgrounds may be required to take one or more of the following 500-level graduate courses during the first two terms of the student's program (courses are 3 credits each):

CISC	501	Computer Organization and Architecture
CISC	502	Mathematics in Computing
CISC	503	Data Structures and Algorithms
MSIT	501	Foundations of Programming, Data Structures and Algorithms

These are in addition to the required 30 credit hours of courses at the 600 level. Courses at the 500 level may need to be completed prior to taking courses at the 600 level. All 500-level courses must be completed with a grade of B or higher to continue in the program.

Curriculum for the M.S. in Computer Science

The M.S. in Computer Science is offered with six concentrations along with a no concentration option. Students must complete a total of 30 credits. Core courses, concentrations, and electives are listed below. If the thesis option is elected, a thesis will replace two of the elective courses. Plans for

the thesis option must be made with and approved by the program office.

Core Courses (3 credits each)

CISC	610	Programming Languages
CISC	615	Design and Analysis of Algorithms
CISC	640	Operating Systems
CISC	670	Artificial Intelligence
CISC	680	Software Engineering

Artificial Intelligence Concentration (3 credits each, choose 4 courses)

MMIS	643	Data Mining
MSIT	675	Deep Learning
CISC	685	Interaction Design
MMIS	671	Data Analytics & AI
MMIS	643	Data Mining
MSIT	675	Deep Learning

Cyber Defense Concentration Courses (3 credits each, choose 4 courses)

ISEC	615	Fundamentals of Cybersecurity
ISEC	620	Applied Cryptography
ISEC	640	Database Security
ISEC	650	Computer and Network Forensics
ISEC	660	Advanced Network Security

Data Science Concentration Courses (3 credits each)

MMIS	643	Data Mining
MSIT	630	Database Systems - required concentration course
MSIT	675	Deep Learning
CISC	672	Data Visualization
MMIS	671	Data Analytics and Artificial Intelligence

Software Engineering Concentration Courses (3 credits each)

CISC	682	Software Requirements Engineering
CISC	683	Object-Oriented Design
CISC	684	Software Testing and Verification
CISC	685	Interaction Design

Concentration Option (3 credits each, choose 5 courses)

Select a mix of courses from Concentrations and/or Electives.

Any course in the concentrations is also an elective course in the program. Additionally, any offerings of CISC 631—Theory of Computation or CISC 690—Special Topics in Computer Science, will count as electives.

Elective Courses (0)

Master of Science in Computer Science Education

The M.S. in Computer Science Education is a 30 credit-hour degree program designed to support the teaching of computer science in educational settings but is NOT intended to lead to K-12 licensure.

NSU's M.S. in Computer Science Education will prepare you to bridge that educational gap. In addition to pedagogical knowledge, you'll have the skills necessary to demonstrate the ability to create basic computational artifacts and knowledge of computing systems and their integration. This includes

security, privacy, and ethical considerations.

Learning Outcomes

A graduate with an M.S. in Computer Science Education will have the ability to: (1) communicate computing systems and applications concepts, designs, and solutions effectively and professionally; (2) apply knowledge of computing and information technology to produce effective designs and solutions for specific problems; (3) identify, analyze, and synthesize scholarly literature relating to the field of computing and information technology; and (4) evaluate software development tools, software systems, and modern computing platforms.

Program-Specific Admission Requirements

(For general requirements, see the *Admission* section)

The Master of Science in Computer Science Education degree is designed for students with undergraduate majors in education, business, cybersecurity, information systems, or information technology.

Curriculum for the M.S. in Computer Science Education

The M.S. in Computer Science Education is offered with two concentrations along with a no concentration option. Students must complete a total of 30 credits. Core courses, concentrations and electives are listed below.

Core Courses (3 credits each)

CUR	526	Educational Research for Practitioners
ISEC	615	Fundamentals of Cybersecurity
MMIS	671	Data Analytics and Artificial Intelligence
MMIS	630	Database Systems
MMIS	642	Data Warehousing
MMIS	623	Ethics in Computing
MSIT	501	Foundations of Programming, Data Structures, and Algorithms Concentrations

Data Science and AI Applications Required Courses (3 credits each)

MMIS	643	Data Mining
MMIS	677	Technology Management
MSIT	675	Deep Learning

TEACHING AND LEARNING

Required Courses (3 credits each)

EDU	650	Curriculum Design for Secondary Education
EDU	660	Teaching Diverse Learning
EDU	508	Effective Instructional and Assessment Strategies

Open Electives Courses (9 credits)

Customize your degree with 3 open electives to dive deeper in your area of interest or diversify your skillset. Select a mix of courses from the concentrations and/or any offerings of 600-level courses prefixed to MMIS or MSIT, or any of the following courses: ISEC 615, ISEC 635, ISEC 655, or ISEC 675 as electives.

Master of Science in Cyber Defense

The Master of Science in Cyber Defense is a 30 credit-hour degree program designed for someone who wants to focus on network security engineering by obtaining the necessary skills and abilities for the design of secure network infrastructures and security analysis of network traffic. This program was developed to address the rapidly growing global problems of maintaining and securing computer information. Offered online and on- campus in South Florida, the Master of Science in Cyber Defense degree program addresses important topics such as, threats and vulnerabilities, cryptography, authentication and access control, security models, network security, trusted computer systems, distributed systems security, Internet security, applications security, and security management and policies.

The M.S. in Cyber Defense is recognized by the National Security Agency (NSA) and its federal partners who have certified that NSU's curriculum in cybersecurity meets or exceeds the requirements and standards expected of a leader in cybersecurity research and education. NSA and its federal partners recognized that NSU's graduate curriculum met the additional requirements for educational specializations in network security engineering and information security policy development and compliance. As a result of this certification, Federal agencies may sponsor civilian and military personnel to take the college's certified graduate courses.

Learning Outcomes

A graduate with an M.S. in Cyber Defense will have the ability to (1) describe the primary types of access control and the potential applications of each type; (2) demonstrate an understanding of the fundamental concepts, technologies, and challenges of telecommunications and network security; (3) demonstrate and understanding of the key concepts of information security governance and risk management, including current best practices in business continuity and disaster recovery planning; (4) describe the components of effective security architecture and the various security models that can be used in the design of secure architectures; (5) possess an understanding of the major cryptographic algorithms used in information security and how each can be effectively integrated into a secure information infrastructure; and (6) understand the common techniques to achieve effective physical security of protected information systems.

Program-Specific Admission Requirements

(For general requirements, see the *Admission* section)

The Master of Science in Cyber Defense degree is designed for students with Undergraduate majors in computer science, information systems, information technology, engineering, mathematics, or physics. Applicants must have knowledge of data structures and algorithms, assembly language and computer architecture, structured programming in a modern high-level language, and discrete mathematics. Applicants who do not have an adequate background may be required to take one or more of the following 500-level graduate courses during the first two terms of the student's program (courses are 3 credits each):

CISC	501	Computer Organization and Architecture
CISC	502	Mathematics in Computing
CISC	503	Data Structures and Algorithms
MSIT	501	Foundations of Programming, Data Structures and Algorithms

These are in addition to the required 30 credit hours of courses at the 600 level. Courses at the 500 level may need to be completed prior to taking courses at the 600 level. All 500-level courses must be completed with a grade of B or higher to continue in the program.

Curriculum for the M.S. in Cyber Defense

The M.S. in Cyber Defense requires students to take all 10 core courses in the list that follows. Students who wish to take an elective (above the 10 required courses) must request approval from the program office before registration.

Core Courses (10 courses, 3 credits each)

CISC	640	Operating Systems
CISC	650	Computer Networks
CISC	680	Software Engineering
ISEC	615	Fundamentals of Cybersecurity
ISEC	620	Applied Cryptography
ISEC	640	Database Security
ISEC	650	Computer and Network Forensics
ISEC	660	Advanced Network Security
ISEC	690	Information Security Project
MSIT	630	Database Systems

Master of Science in Cybersecurity Management

The M.S. in Cybersecurity Management is a 30 credit-hour degree program designed for individuals who want to focus on security policy development and compliance by obtaining the necessary skills and abilities for the development of organizational policies related to information assurance/cybersecurity defense and the analysis of operational systems for compliance with applicable related laws and policies.

The M.S. in Cybersecurity Management is recognized by the National Security Agency (NSA) and its federal partners who have certified that NSU's curriculum in cybersecurity meets or exceeds the requirements and standards expected of a leader in cybersecurity research and education. NSA and its federal partners recognized that NSU's graduate curriculum met the additional requirements for educational specializations in network security engineering and information security policy development and compliance. As a result of this certification, Federal agencies may sponsor civilian and military personnel to take the college's certified graduate courses.

Learning Outcomes

A graduate with an M.S. in Cybersecurity Management will have the ability to: (1) communicate cybersecurity management concepts professionally; (2) develop of organizational policies related to cybersecurity for effective solutions; (3) apply knowledge of information security compliance with applicable polices to perform cyber risk management analysis using recognized cybersecurity standards; and (4) demonstrate knowledge, skills, and abilities (KSAs) to apply security control measures to mitigate cyber risks.

Program-Specific Admission Requirements

(For general requirements, see the *Admission* section)

The M.S. in Cybersecurity Management degree is designed for students with undergraduate majors in computer science, information systems, information technology, engineering, mathematics, or physics. Applicants must have knowledge of data structures and algorithms and structured programming in a modern high-level language. Applicants who do not have an adequate background may be required to take the following 500-level graduate course during the first term of the program:

MSIT	501	Foundations of Programming, Data Structures, and Algorithms (3 credits)

This course is in addition to the required credit hours at the 600 level. Courses at the 500 level need to be completed prior to taking courses at the 600 level. All 500-level courses must be completed with a grade of B or higher to continue in the program.

Curriculum for the M.S. in Cybersecurity Management

The M.S. in Cybersecurity Management requires students to take all 10 core courses in the list that follows. Students who wish to take an elective (above the 10 required courses) must request approval from the program office before registration.

Core Courses (3 credits each)

ISEC	615	Fundamentals of Cybersecurity
ISEC	635	Information Security Operations Management
ISEC	655	Information Security Governance
ISEC	675	Information System Auditing
ISEC	695	Information Security Management Project
MMIS	621	Information Systems Project Management
MMIS	623	Ethics in Computing
MMIS	653	Telecommunications and Computer Networking
MMIS	680	Human-Computer Interaction
MSIT	630	Database Management and Applications

Master of Science in Data Analytics and Artificial Intelligence

The Master of Science in Data Analytics and Artificial Intelligence is a 30 credit-hour degree program that focuses on the application of concepts and methods central to data analytics, database management, data warehousing, data mining, data visualization, forecasting and predictive modeling. The program incorporates creativity, vision, strategic planning, and technology for analytics and decision making. Offered online and on campus in South Florida, this program blends theory and practice into a learning experience that develops skills applicable to complex, real-world problems and organizations.

Learning Outcomes

A graduate with a M.S. in Data Analytics and Artificial Intelligence will have the ability to: (1) communicate data analytics and artificial intelligence concepts, designs, and solutions effectively and professionally; (2) apply knowledge of data analytics and artificial intelligence to produce effective designs and solutions for specific problems; (3) identify, analyze, and synthesize scholarly literature relating to the field of data analytics and artificial intelligence; and (4) evaluate data analytics and artificial intelligence techniques for management planning and decision making.

Program-Specific Admission Requirements

(For general requirements, see the *Admission* section)

The Master of Science in Data Analytics and Artificial Intelligence degree is designed for students with undergraduate majors in computer science, business, information systems, information technology, engineering, mathematics, or physics.

Curriculum for the M.S. in Data Analytics and Artificial Intelligence

The M.S. in Data Analytics and Artificial Intelligence requires students to take 7 core courses and select three additional courses specific to the program. Students must complete a total of 30 credits. Core courses and additional specific courses are listed below.

Core Courses (7 courses, 3 credits each):

CISC	672	Data Visualization
MMIS	642	Data Warehousing
MMIS	643	Data Mining
MMIS	671	Data Analytics and Artificial Intelligence
MMIS	692	Data Analytics and Artificial Intelligence Project
MSIT	501	Foundations of Programming, Data Structures, and Algorithms
MSIT	630	Database Systems

Choose three courses (3 courses, 3 credits each):

CISC	685	Interaction Design
ISEC	615	Fundamentals of Cybersecurity
MMIS	621	Information Systems Project Management
MMIS	623	Ethics in Computing
MMIS	644	UX Strategy
MSIT	675	Deep Learning

Master of Science in Information Systems

The M.S. in Information Systems is a 30 credit-hour degree program that is designed to give students a thorough knowledge of the field and to provide an enduring foundation for future professional growth. Offered online and on campus in South Florida, The Master of Science in Information Systems degree program blends theory and practice into a learning experience that develops skills applicable to complex real-world problems.

The cybersecurity management concentration in the M.S. in Information Systems program is part of the Center for Information Protection, Education, and Research (CIPhER) that is recognized as a National Center of Academic Excellence in Cybersecurity (CAE-C) in Cyber Defense (CD) and Cyber Research (R) by the U.S. National Security Agency (NSA) and its federal partners.

Learning Outcomes

A graduate with a M.S. in Information Systems will have the ability to: (1) communicate information systems concepts, designs, and solutions effectively and professionally; (2) apply knowledge of information systems to produce effective designs and solutions for

specific problems; (3) identify, analyze, and synthesize scholarly literature relating to the field of information systems; and (4) evaluate software development tools, software systems, and modern computing platforms.

Program-Specific Admission Requirements

(For general requirements, see the *Admission* section)

The M.S. in Information Systems degree is designed for students with undergraduate majors in (management) information systems, information technology, business administration, or a related field, and having knowledge and significant experience in computer applications. Applicants who do not have adequate backgrounds may be required to take the following 500-level graduate course during the first term of the student's program:

MSIT	501	Foundations of Programming, Data Structures, and Algorithms (3 credits)

This course is in addition to the required 30 credit hours at the 600 level. Courses at the 500 level may need to be completed prior to taking courses at the 600 level. All 500-level courses must be completed

with a grade of B or higher to continue in the program.

Curriculum for the M.S. in Information Systems

The M.S. in Information Systems is offered with five concentrations along with a no concentration option. Students must complete a total of 30 credits. Core courses, concentrations, and electives are listed below.

Core Courses (3 credits each)

ISEC	615	Fundamentals of Cybersecurity
MMIS	621	Information Systems Project Management
MMIS	623	Ethics in Computing
MMIS	653	Telecommunications and Computer Networking
MMIS	671	Data Analytics and Artificial Intelligence
MMIS	680	Human-Computer Interaction
MSIT	630	Database Systems

Artificial Intelligence Application Concentration Courses (3 courses, 3 credits each)

ISEC	635	Information Security Operations Management (3 credits)
MMIS	677	Technology Management (3 credits)
MSIT	675	Deep Learning (3 credits)

Cybersecurity Management Concentration Courses (3 courses, 3 credits each)

ISEC	675	Information System Auditing
ISEC	695	Information Security Management Project
		Choose one:
ISEC	635	Information Security Operations Management
ISEC	655	Information Security Governance

Data Analytics Concentration Courses (3 courses, 3 credits each)

MMIS	642	Data Warehousing
MMIS	643	Data Mining
MMIS	692	Data-Analytics and Artificial Intelligence Project

Technology Management Concentration Courses (3 courses, 3 credits each)

MMIS	677	Technology Management
ISEC	635	Information Security Operations Management

Choose one from Concentrations and/or any offerings of 600-level courses prefixed MMIS or ISEC as electives

User Experience (UX)/Human-Computer Interaction Concentration Courses (3 courses, 3 credits each)

CISC	685	Interaction Design
MMIS	636	Collaborative Computing
MMIS	644	UX Strategy

No Concentration (3 credits each)

Select a mix of courses from Concentrations and/or any offerings of 600- level courses prefixed MMIS, or ISEC as electives.

Master of Science in Information Technology

The Master of Science in Information Technology is a 30 credit-hour degree designed to provide students with a thorough knowledge of organizational information systems, application technologies,

and systems infrastructure. Offered online and on campus in South Florida, the Master of Science in Information Technology degree program focuses on meeting the needs of users within an organizational and societal context through the selection, creation, application, integration, and administration of computing technologies and resources.

Learning Outcome

A graduate with a M.S. in Information Technology will have the ability to: (1) communicate Information technology concepts, designs, and solutions effectively and professionally; (2) apply knowledge of information technology to produce effective designs and solutions for specific

problems; (3) identify, analyze, and synthesize professional literature relating to the field of information technology; and (4) use current technologies, tools, software systems, modern computing platforms, and apply best practices to develop real-world solutions for specific problems (e.g., applications, deployments, etc.)

Program-Specific Admission Requirements

(For general requirements, see the *Admission* section)

The Master of Science in Information Technology degree is designed for students with undergraduate majors in science, math, engineering, or business. In addition, applicants must have knowledge of structured programming in a modern high-level language. Applicants who do not have an adequate background may be required to take the following 500-level graduate course during the first term of the program:

MSIT	501	Foundations of Programming, Data Structures, and Algorithms (3 credits)

This course is in addition to the required 30 credit hours at the 600 level. Courses at the 500 level may need to be completed prior to taking courses at the 600 level. All 500-level courses must be completed with a grade of B or higher to continue in the program.

Curriculum for the M.S. in Information Technology

The M.S. in Information Technology is offered with four concentrations along with no concentration option. Students must complete a total of 30 credits. Core courses, concentrations, and electives are listed below.

Core Courses (3 courses, 3 credits each)

ISEC	615	Fundamentals of Cybersecurity
MMIS	653	Telecommunications and Computer Networking
MSIT	630	Database Systems
MSIT	650	Platform Technologies
MSIT	660	Software Development

Application Development Concentration Courses (3 courses, 3 credits each)

CISC	685	Interaction Design
CISC	683	Object-Oriented Design
MMIS	621	Project Management

Artificial Intelligence Application Concentration Courses (4 courses, 3 credits each)

MMIS	621	Project Management
MMIS	671	Data Analytics and Artificial Intelligence

MMIS	677	Technology Management
MSIT	675	Deep Learning

Data Analytics Concentration (3 credits each)

MMIS	642	Data Warehousing
MMIS	643	Data Mining
MMIS	671	Data of Analytics and Artificial Intelligence

Cybersecurity Management Concentration (3 credits each)

ISEC	635	Information Security Operations Management
ISEC	655	Information Security Governance
ISEC	675	Governance System Auditing

No Concentration (3 credits each)

Select a mix of courses from Concentrations and/or Electives.

Elective Courses (3 credits each)

Students select any 600-level courses at the college with prefix MMIS, MSIT, or ISEC (Except ISEC 600, 620, 640, 650 or 660)

Graduate Certificates

Graduate certificates each require 1 credit hour. Graduate certificate applicants will be held to the same admissions standards as Master of Science (M.S.) degree-seeking applicants and will be required to submit all standard application materials associated with CCAC M.S. programs. Students admitted under certificate status may enroll in a maximum of 12 graduate-level credits and must complete all coursework within a two-year time limit from the date of initial enrollment.

Curriculum for the Graduate Cybersecurity Management Certificate

12 credits (4 courses, 3 credits each)

Students must take the four courses listed below.

ISEC	615	Fundamentals of Cybersecurity
ISEC	635	Information Systems Operations Management
ISEC	655	Information Security Governance
ISEC	675	Information System Auditing

Curriculum for the Graduate Data Analytics Certificate

12 Credits (4 courses, 3 credits each)

Students must take the four courses listed below.

MMIS	642	Data Warehousing
MMIS	643	Data Mining
MMIS	671	Data Analytics and Artificial Intelligence
MSIT	630	Database Systems

Curriculum for the Graduate Artificial Intelligence Cybersecurity Certificate

12 credits (4 courses, 3 credits each)

Students must take the four courses listed below.

CISC	670	Artificial Intelligence or MMIS 671 Data Analytics and AI
MSIT	675	Deep Learning
ISEC	615	Fundamentals of Cybersecurity
ISEC	675	Information System Auditing

Doctor of Philosophy Degree Programs

Ph.D. in Computer Science

This program offers a course of study leading to the degree of Doctor of Philosophy (Ph.D.) in Computer Science (CS). The Ph.D. in Computer Science has two curriculum pathways. The program combines traditional and online instruction to provide professionals with the opportunity to pursue graduate study while continuing to work in their current positions. The program is especially well suited to those in industry, education, or government who are involved with one of the many areas of computer science and information technology. It provides research-oriented professionals with knowledge in the major areas of computer science and the ability to develop creative solutions to substantive real-world problems.

Learning Outcomes

A graduate with a Ph.D. in Computer Science will have the ability to: (1) acquire advanced knowledge and deeper understanding of the field of computer science; (2) communicate professionally and ethically about computer science research issues; (3) identify, analyze, and synthesize scholarly literature related to the field of computer science; and (4) generate new knowledge through research/scholarship and disseminate that knowledge to others by demonstrating the necessary technical and intellectual skills to produce a written document that makes an original contribution to the field of computer science.

Program-Specific Admission Requirements

(For general requirements, see the Admission section.)

Applicants must have a 3.2 GPA in their respective degree and have taken the following course subjects in Calculus I & II, Linear Algebra, Probability and Statistics, Programming, Computer Organization and Architecture, Discrete Math, and Data Structures and Algorithms. The degree program is designed for students with a bachelor's or master's degree in computer science, or a closely related field. The B.S. to Ph.D. and M.S. to Ph.D. pathways emphasize core computer science knowledge in programming languages, operating systems, database management systems, software engineering, and design and analysis of algorithms. Additionally, coursework and research areas leading to the completion of a dissertation include cybersecurity, software engineering, computer systems, artificial intelligence, and data science.

Curriculum for the B.S. to Ph.D. Computer Science Pathway

Curriculum (Minimum of 66 Credits; 30 Credits of 600/700-level Courses; 12 Credits of 800-level Courses; 24 Credits 900-level Courses)

Courses (5 courses, 3 credits each for total of 15 Credits)

CISC	610	Programming Languages0
CISC	615	Design and Analysis Algorithms
CISC	640	Operating Systems

CISC	670	Artificial Intelligence
CISC	680	Software Engineering

Elective Courses (Select 5 courses, 3 credits each for total of 15 Credits)

CISC	650	Computer Networks
CISC	672	Data Visualization
CISC	681	Computer Graphics
CISC	682	Software Requirements Engineering
CISC	683	Object-Oriented Design
CISC	684	Software Testing and Verification
CISC	685	Interaction Design
CISC	690	Special Topics in Computer Science
ISEC	615	Fundamentals of Cybersecurity
ISEC	620	Applied Cryptography
ISEC	640	Database Security
ISEC	650	Computer Networks Forensics
ISEC	660	Advanced Network Security
MMIS	671	Data Analytics and Artificial Intelligence
MSIT	630	Database Systems
MSIT	675	Deep Learning

M.S. Enroute to Ph.D.

Students must complete the five core courses and any five 600-level elective courses below for a total of 30 credits.

Curriculum for the M.S. to Ph.D. Computer Science Pathway

Curriculum (Minimum of 51 Credits; 15 Credits of 600-level Courses; 12 Credits of 800- level Courses; 24 Credits 900-level Courses)

Core Courses (5 courses, 3 credits each for total of 15 Credits)

Students must substitute an elective for any of the following core courses for which they have passed an M.S. course equivalent within the past five years.

CISC	610	Programming Languages
CISC	615	Design and Analysis Algorithms
CISC	640	Operating Systems
CISC	670	Artificial Intelligence
CISC	680	Software Engineering

Elective Courses

CISC	650	Computer Networks
CISC	672	Data Visualization
CISC	681	Computer Graphics
CISC	682	Software Requirements Engineering
CISC	683	Object-Oriented Design
CISC	684	Software Testing and Verification
CISC	685	Interaction Design
CISC	690	Special Topics in Computer Science
ISEC	615	Fundamentals of Cybersecurity
ISEC	620	Applied Cryptography
ISEC	640	Database Security
ISEC	650	Computer Networks Forensics
ISEC	660	Advanced Network Security

MMIS	671	Data Analytics and Artificial Intelligence
MSIT	630	Database Systems
MSIT	675	Deep Learning

Research Courses (3 Courses at 4 Credits each for a total of 12 Credits)

In both pathways, each student will be required to complete at least three CISD 885 doctoral research courses. These directed-study courses will be taken at the end of the student's coursework. These faculty supported directed study courses will enable the student, with the support of a faculty adviser, to identify a viable research topic and conduct preliminary research that will lead to formal candidacy for the student.

CISD	885	Doctoral Research

The student pursues research under the direction of a faculty member. To register, students contact their advisor with the name of the faculty member under whose direction they would like to work and a brief explanation of the research area to be explored. The student must complete a 600-level course with the requested professor with a grade of B+ or higher.

Dissertation Courses (3 Courses at 8 Credits each for a total of 24 Credits)

In both pathways, each student must complete 24 credits of CISD 901 dissertation courses. Students who do not complete the dissertation within 24 credits will register for CISD 920 Continuing Dissertation (four credits) until the dissertation is complete.

CISD	901	Doctoral Dissertation
CISD	920	Continuing Dissertation

Ph.D. in Cybersecurity Management

This program offers a course of study leading to the degree of Doctor of Philosophy (Ph.D.) in Cybersecurity Management. The Ph.D. in Cybersecurity Management has two curriculum pathways.

The program combines traditional and online instruction to provide professionals with the opportunity to pursue graduate study while continuing to work in their current positions. The Ph.D. in Cybersecurity Management is a comprehensive, multidisciplinary, research program that prepares graduates for key positions in academia, in federal, state, and local government agencies, and in business and industry. The curriculum combines both technically intensive and management-focused security courses to provide a comprehensive approach to the study of information security/cybersecurity management.

Learning Outcomes

A graduate with a Ph.D. in Cybersecurity Management will have the ability to: (1) acquire advanced knowledge and deeper understanding of the field of cybersecurity management; (2) communicate professionally and ethically about cybersecurity management research issues; (3) identify, analyze, and synthesize scholarly literature related to cybersecurity management; and (4) generate new knowledge through research/scholarship and disseminate that knowledge to others by demonstrating the necessary technical and intellectual skills to produce a written document that makes an original contribution to the field of information security/cybersecurity management.

Program-Specific Admission Requirements

(For general requirements, see the Admission section.)

Applicants must have a 3.2 GPA in their respective degree and have taken the following course subjects in Probability and Statistics, and Programming. The B.S. to Ph.D. and M.S. to Ph.D. pathways are designed

for individuals with experience in cybersecurity/information assurance/information security. Applications are recommended to possess a bachelor's or master's degree in cybersecurity information assurance (or closely related degree) from a current National Center of Academic Excellence in Cybersecurity (NCAE-C) or a bachelor's or master's in computer science/information technology/information systems, with some coursework in cybersecurity/information security fundamentals. Additionally, students should have professional experience in information security and have a strong research potential in the areas of information security.

Curriculum for the B.S. to Ph.D. Cybersecurity Management Pathway

Curriculum (Minimum of 66 Credits; 30 Credits of 600/700-level Courses; 12 Credits of 800-level Courses; 24 Credits 900-level Courses)

Core Courses (10 Courses, 3 Credits each for total of 30 Credits)

ISEC	615	Fundamentals of Cybersecurity
ISEC	635	Information Security Operations Management
ISEC	675	Information System Auditing
ISEC	700	Research Seminar in Cybersecurity Management
MMIS	621	Information Systems Project Management
MMIS	623	Ethics in Computing
MMIS	653	Telecommunication and Computer Networking
MMIS	680	Human Computer Interaction
MSIT	630	Database Systems
RESD	700	Research Methods
MSIT	675	Deep Learning

M.S. Enroute to Ph.D.

Students must complete the ten core courses above for a total of 30 credits.

Curriculum for the M.S. to Ph.D. Cybersecurity Management Pathway

Curriculum (Minimum of 51 Credits; 15 Credits of 600/700-level Courses; 12 Credits of 800-level Courses; 24 Credits 900-level Courses)

Core Courses (5 Courses, 3 Credits each for total of 15 Credits)

Students must substitute an elective for any of the following core courses for which they have passed an MS course equivalent from a National Center of Academic Excellence in Cybersecurity within the past five years.

ISEC	635	Information Systems Operations Management
ISEC	655	Information Security Governance
ISEC	675	Information System Auditing
ISEC	700	Research Seminar in Cybersecurity Management
RESD	700	Research Methods

Electives

CISC	685	Interaction Design
ISEC	615	Fundamentals of Cybersecurity
ISEC	695	Information Security Project
MMIS	621	Information Systems Project Management
MMIS	623	Ethics in Computing
MMIS	636	Collaborative Computing
MMIS	642	Data Warehousing
MMIS	643	Data Mining

MMIS	644	UX Strategy
MMIS	653	Telecommunication and Computer Networking
MMIS	671	Data Analytics and Artificial Intelligence
MMIS	680	Human Computer Interaction
MMIS	690	Special Topics in Information Systems
MMIS	692	Data Analytics and Artificial Intelligence Project
MSIT	630	Database Systems
MSIT	675	Deep Learning

Research Courses (3 Courses at 4 Credits each for a total of 12 Credits)

In both pathways, each student will be required to complete at least three ISEC 885 doctoral research courses. These courses will be taken at the end of the student's coursework. These faculty supported directed study courses will enable the student to identify a viable research topic and conduct preliminary research that will lead to formal candidacy. Students must receive a B or higher in ISEC 700 and RESD 700 to register for ISEC 885 Doctoral Research Dissertation Courses (3 Courses at 8 Credits each for a total of 24 Credits).

In both pathways, students must complete 24 credits of ISEC 901 dissertation courses. Students who do not complete the dissertation within 24 credits will register for ISEC 920 Continuing Dissertation (4 credits) until the dissertation is complete. Students must have an approved Idea Paper register for ISEC 901.

ISEC	901	Doctoral Dissertation
ISEC	920	Continuing Dissertation

Ph.D. in Information Systems

This program offers a course of study leading to the degree of Doctor of Philosophy (Ph.D.) in Information Systems. The Ph.D. in Information Systems has two curriculum pathways.

The program combines traditional and online instruction to provide information technology professionals with the opportunity to pursue graduate study while continuing to work in their current positions. The program is especially well suited to professionals working in areas such as information system planning, information security, systems analysis and design, project management, information system administration, information science, or software engineering. It provides information technology professionals with the knowledge and ability to develop creative solutions to substantive real-world problems in information systems.

Learning Outcomes

A graduate with a Ph.D. in Information Systems will have the ability to: (1) acquire advanced knowledge and deeper understanding of the field of information systems; (2) communicate professionally and ethically about information systems research issues; (3) identify, analyze, and synthesize scholarly literature related to information systems; and (4) generate new knowledge through research/scholarship and disseminate that knowledge to others by demonstrating the necessary technical and intellectual skills to produce a written document that makes an original contribution to the field of information systems.

Program-Specific Admission Requirements

(For general requirements, refer to the Admissions section.) Applicants must have a 3.2 GPA in their respective degree and have taken the following course subjects in Probability and Statistics, and Programming. The B.S. to Ph.D. and M.S. to Ph.D. pathways are designed for the student with a

bachelor's or master's degree in information systems, information science, computer science, information technology, or a related area. In addition to holding a relevant bachelor's or master's degree, the applicant should satisfy graduate prerequisites or have equivalent experience in information systems, programming languages, database systems, systems analysis and design, telecommunications and computer networks, and statistics.

Curriculum for the B.S. to Ph.D. Program Pathway

(Minimum of 66 Credits; 30 Credits of 600/700-level Courses; 12 Credits of 800-level Courses; 24 Credits 900-level Courses)

Core Courses (8 courses, 3 credits each for total of 24 Credits)

ISEC	615	Fundamentals of Cybersecurity
MMIS	621	Information Systems Project Management
MMIS	623	Ethics in Computing
MMIS	653	Telecommunication and Computer Networking
MMIS	671	Data Analytics and Artificial Intelligence
MMIS	680	Human Computer Interaction
MSIT	630	Database Systems
RESD	700	Research Methods

Electives (Select 2 courses, 3 credits each for total of 6 credits)

CISC	685	Interaction Design
ISEC	635	Information Security Operations Management
ISEC	655	Information Security Governance
ISEC	675	Information Systems Auditing
ISEC	695	Information Security Project
MMIS	636	Collaborative Computing
MMIS	642	Data Warehousing
MMIS	643	Data Mining
MMIS	644	UX Strategy
MMIS	692	Data Analytics and Artificial Intelligence Project
MMIS	690	Special Topics in Information Systems
MSIT	675	Deep Learning

M.S. Enroute to Ph.D.

Students must complete the eight core courses and any two 600-level elective courses for a total of 30 credits.

Curriculum for the M.S. to Ph.D. Information Systems Pathway

Minimum of 51 Credits; 15 Credits of 600/700-level Courses; 12 Credits of 800-level Courses; 24 Credits 900-level Courses)

Core Courses (5 Courses at 3 Credits each for a total of 15 Credits)

Students must substitute an elective for any of the following core courses for which they have passed an MS course equivalent within the past five years.

RESD	700	Research Methods

Select One:

ISEC	615	Fundamentals of Cybersecurity
ISEC	635	Information Systems Operations Management
ISEC	655	Information Security Governance

ISEC	675	Information System Auditing

Select One:

MMIS	671	Data Analytics and Artificial Intelligence
MMIS	642	Data Warehousing
MMIS	643	Data Mining
MSIT	630	Database Systems

Select One:

CISC	685	Interaction Design
MMIS	680	Human Computer Interaction
MMIS	636	Collaborative Computing
MMIS	644	UX Strategy

Select One Elective from the courses below that is not counted as part of the core or that has not been completed in the last five years:

CISC	685	Interaction Design
ISEC	615	Fundamentals of Cybersecurity
ISEC	635	Information Systems Operations Management
ISEC	655	Information Security Governance
ISEC	675	Information System Auditing
ISEC	695	Information Security Project
MMIS	621	Information Systems Project Management
MMIS	623	Ethics in Computing
MMIS	636	Collaborative Computing
MMIS	642	Data Warehousing
MMIS	643	Data Mining
MMIS	644	UX Strategy
MMIS	653	Telecommunications and Computer Networking
MMIS	671	Data Analytics and Artificial Intelligence
MMIS	680	Human Computer Interaction
MMIS	690	Special Topics in Information Systems
MMIS	692	Data Analytics and Artificial Intelligence Project
MSIT	630	Database Systems
MSIT	675	Deep Learning

Research Courses (3 Courses at 4 Credits each for a total of 12 Credits)

In both pathways, each student will be required to complete at least three DISS 885 doctoral research courses. These courses will be taken at the end of the student's coursework. These faculty supported directed study courses will enable the student to identify a viable research topic and conduct preliminary research that will lead to formal candidacy.

DISS	885	Doctoral Research

Dissertation Courses (3 Courses at 8 Credits each for a total of 24 Credits)

In both pathways, each student must complete 24 credits of DISS 901 dissertation courses. Students who do not complete the dissertation within 24 credits will register for DISS 920 Continuing Dissertation (four credits) until the dissertation is complete.

DISS	901	Doctoral Dissertation
DISS	920	Continuing Dissertation

Ph.D. Program Format

The college offers Ph.D. programs with a blend of on-campus and online activities. Doctoral students may not change majors without prior approval from their academic advisor.

Doctoral students are not permitted to seek double majors or enroll in multiple academic programs concurrently within CCAC. Students are required to attend all of their scheduled class sessions. Between sessions, students work on course assignments and research and participate in online activities that facilitate frequent interaction with the faculty and with other students. Interactive learning methods, consistent communication between faculty and students, and accessible learning resources provide a powerful and supportive learning environment that can be accessed anywhere around the globe. Online activities may include forums using threaded discussion boards, chat rooms, white boards, email, and multimedia presentations. Each student must have an active broadband account with an Internet Service Provider (ISP) and must have his or her own personal computer.

Coursework

Students must complete a minimum of 51 credits in the M.S. to Ph.D. pathway or a minimum of 66 credits in the B.S. to Ph.D. pathway.

Qualifier Stage for Admission to Candidacy

Students must maintain a minimum of 3.2 GPA in core courses for the Ph.D. program and a B or higher in each core course. Additionally, students must successfully complete the core course requirement before taking doctoral research courses.

Comprehensive Stage Dissertation Proposal

Students must successfully pass the qualifier stage, secure an advisor and dissertation committee, and have an approved Idea Paper before pursuing dissertation course registration. After the student has achieved sufficient depth in a field of study, they prepare a proposal for the Ph.D. dissertation. Upon approval of the written proposal, the student must present the proposed work orally to the dissertation committee.

Doctoral Dissertation

The student registers for one year (three terms) of dissertation, at eight credits per term. Students who have not completed the dissertation after one year of dissertation registrations must register for Continuing Dissertation, three terms per year, until they have satisfied the dissertation requirement. Students not on approved leave register for each term following the one in which they enter candidacy.

Dissertation Defense

The dissertation defense consists of a presentation given by the candidate on the topic focus of the dissertation. This includes questions from the dissertation committee and others in attendance. The defense is chaired by the Ph.D. advisor.