

Information Systems

MASTER OF SCIENCE

NOVA SOUTHEASTERN
UNIVERSITY

NSU
Florida

Program Features

- 10 courses | 30 credit hours
- Concentrations include business intelligence/data analytics, information assurance and cybersecurity management, and user experience (UX)/human-computer interaction.
- The security concentration is recognized by the U.S. National Security Agency and the Department of Homeland Security.
- Students receive quality instruction from CEC faculty members—all of whom hold Ph.D. degrees and are experts in their respective fields of research/application.

Program Formats

- Fort Lauderdale/Davie Campus
- Online

Program Highlights

- Full-time students can earn the degree in 12–14 months.
- Working professionals can earn the degree in 16–24 months.

Career Opportunities

- chief information officer
- cybersecurity analyst/ Director of IT Security/Chief Information Security Officer (CISO)
- data scientist/business intelligence analyst
- information systems manager
- project manager
- systems analyst
- user experience designer/researcher

Learn More
cec.nova.edu

M.S. in Information Systems

The M.S. in Information Systems program focuses on the application of information technology to the design, collection, retention, and dissemination of information for management planning and decision-making.

The program concentrates on areas such as project management, database systems and data warehousing, system analysis and design, user experience (UX) and human-computer interaction, information assurance and cybersecurity management, and data analytics/business intelligence.

The unique program blends theory and practice into a learning experience that develops skills applicable to complex, real-world problems. It is designed to give students a thorough knowledge of the field and to provide an enduring foundation for professional growth. This program offers concentrations in business intelligence/data analytics, information assurance and cybersecurity management, and user experience (UX) and human-computer interaction.

Admissions Requirements

- online application (apply.nova.edu)
- \$50 application fee (nonrefundable)
- an earned bachelor's degree with a GPA of at least 2.5 from a regionally accredited institution and with an appropriate major
- sealed official transcripts from all institutions attended
- a résumé

International students should visit cec.nova.edu/admissions for additional requirements.



Information Systems

MASTER OF SCIENCE

Curriculum | Total Credits: 30

PREREQUISITE COURSES

Applicants who do not have adequate academic backgrounds may be required to take one or both of the following 500-level graduate courses during the first two terms of the program. (Courses are 3 credits each.)

MSIT 501	Foundations of Programming, Data Structures, and Algorithms
MMIS 520	Management Information Systems

The degree program consists of 30 credits (a total of 10 courses). Core courses, concentrations, and electives are in the following lists. In order to earn the Master of Science in Information Systems degree, students must complete 7 required core courses and 3 additional courses. For the 3 additional courses, students will complete one entire concentration OR the no concentration option as specified below.

DEGREE PROGRAM COURSES

Core Courses

(7 courses, 3 credits each)

ISEC 615	Fundamentals of Cybersecurity
MMIS 621	Information Systems Project Management
MMIS 630	Database Management and Applications
MMIS 653	Telecommunications and Computer Networking
MMIS 660	Systems Analysis and Design
MMIS 671	Fundamentals of Analytics and Business Intelligence
MMIS 680	Human-Computer Interaction

Business Intelligence/Data Analytics Concentration

(3 courses, 3 credits each)

Students take the listed courses, then select two more elective courses.

MMIS 642	Data Warehousing
MMIS 643	Data Mining
MMIS 692	Capstone Project in Business Intelligence

Information Assurance and Cybersecurity Management Concentration

(3 courses, 3 credits each)

Students take the listed courses, then select one elective course.

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

User Experience(UX)/Human-Computer Interaction Concentration

(3 courses, 3 credits each)

Students take the listed courses, then select one elective course.

CISC 685	Interaction Design
MMIS 636	Computer-Supported Cooperative Work
Choose one:	
MMIS 623	Information Privacy and Ethics
MMIS 644	Social Media
MMIS 656	Web Design Technologies

No Concentration Option

(3 courses, 3 credits each)

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

This publication should not be viewed as a substitution for official program requirements and outcomes. A student is responsible for meeting the curriculum and program requirements in the *Graduate Student Catalog* that are in effect when the student enters the program.

Nova Southeastern University admits students of any race, color, sexual orientation, gender, gender identity, military service, veteran status, and national or ethnic origin. ■ Nova Southeastern University is accredited by the Southern Association of Colleges and Schools Commission on Colleges to award associate's, baccalaureate, master's, educational specialist, doctorate, and professional degrees. Contact the Commission on Colleges at 1866 Southern Lane, Decatur, Georgia 30033-4097 or call 404-679-4500 for questions about the accreditation of Nova Southeastern University. 08-055-18_04PGA

Admissions

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