

Management Information Systems

MASTER OF SCIENCE



Program Features

- 12 courses | 36 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 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 Management Information Systems

The M.S. in Management Information Systems (MMIS) 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

- ✓ completed online application for admission (apply.nova.edu)
- ✓ nonrefundable, \$50 application fee
- ✓ conferred bachelor's degree with an appropriate major from a regionally accredited institution
- ✓ sealed official transcripts from all prior institutions
- ✓ overall undergraduate GPA of 2.5 or greater on a 4.0 scale (Applicant must have earned a GPA of at least 3.0 in his or her major.)
- ✓ résumé providing a short account of the applicant's academic background and professional experience

The college may require additional documentation to support the application. An applicant may submit standardized test scores or any additional documentation to strengthen his or her application.

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



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Curriculum | Total Credits: 36

PREREQUISITE COURSES

Applicants who do not have adequate academic backgrounds may be required to take one or more 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

DEGREE PROGRAM COURSES

The degree program consists of 36 credits (a total of 12 courses). Core courses, concentrations, and electives are in the following lists. In order to earn the MMIS degree, students must complete 7 required core courses and 5 additional courses. For the 5 additional courses, students will complete one entire concentration OR the no concentration option as specified below.

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

(4 courses, 3 credits each)

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

ISEC 635 Information Security Operations Management

ISEC 655 Information Security Governance

ISEC 675 Information System Auditing

ISEC 695 Information Security Management Project

User Experience(UX)/Human-Computer Interaction Concentration

(4 courses, 3 credits each)

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

MMIS 623 Information Privacy and Ethics

MMIS 646 Information Visualization

CISC 685 Interaction Design

Choose one:

MMIS 636 Computer-Supported Cooperative Work

MMIS 644 Social Media

MMIS 656 Web Design Technologies

No Concentration Option (5 courses, 3 credits each)

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

Electives (3 credits each)

Any course in the concentrations aforementioned is also an elective course in the program. Additionally, any offerings of 600-level courses prefixed MMIS, RESD, or ISEC will count as electives. The following are sample elective courses that are not part of concentrations, but will count as electives in the program:

MMIS 627 Enterprise Technologies and Infrastructures

MMIS 628 Enterprise Systems and Business Processes

MMIS 650 Fundamentals of Cloud Computing

MMIS 654 Electronic Commerce on the Internet

MMIS 665 Information Systems Strategy

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, 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. 02-074-18PGA

Admissions

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