

# INFORMATION SYSTEMS

## MASTER OF SCIENCE (M.S.)

**NSU** Florida

### At a Glance

- Earn a degree in 30 credit hours.
- Complete the program in 12–14 months as a full-time student.
- Complete the program in 16–24 months as a working professional.

### Program Formats

- Fort Lauderdale/Davie Campus
- online

### Program Highlights

- Concentrations include artificial intelligence management, cybersecurity management, data analytics, technology management, and user experience (UX)/human-computer interaction.
- The security concentration is recognized by the U.S. National Security Agency.
- Receive quality instruction from CCE faculty members—all of whom hold Ph.D. degrees and are experts in their respective fields of research/application.

### Future Opportunities

Explore careers, such as

- chief information officer (CIO)
- cybersecurity analyst/director of IT security/chief information security officer
- data scientist/business intelligence analyst
- information systems manager
- project manager
- systems analyst
- user experience designer/researcher

**Learn More**  
[computing.nova.edu](https://computing.nova.edu)

### Solve Real-World Problems

Master the ability to apply information technology to the design, retention, and dissemination of information for management planning and decision-making with the M.S. in Information Systems program at NSU's College of Computing and Engineering.

Emerge as a leader in key areas such as project management, database systems and data warehousing, user experience (UX) and human-computer interaction, cybersecurity management, and data analytics and artificial intelligence.

Theory and practice are blended into a learning experience that develops skills applicable to complex, real-world problems. The program is designed to give you a thorough knowledge of the field and to provide you with an enduring foundation for professional growth.

Get the NSU edge.

### Admissions Requirements

- online application ([apply.nova.edu](https://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 [computing.nova.edu/admissions](https://computing.nova.edu/admissions) for additional requirements.



# INFORMATION SYSTEMS

## MASTER OF SCIENCE (M.S.)

### Curriculum | Total Credits: 30

#### PREREQUISITE COURSES

Applicants who do not have adequate academic backgrounds may be required to take the following 500-level graduate course during the first term of the program.

Courses	
MSIT 501	Foundations of Programming, Data Structures, and Algorithms 3

The Master of Science in Information Systems has five concentration options, along with a no-concentration option. Students must complete 30 credits. Core courses, concentrations, and electives are listed below.

#### DEGREE PROGRAM COURSES

##### Core Courses

ISEC 615	Fundamentals of Cybersecurity	3
MMIS 621	Information Systems Project Management	3
MMIS 623	Ethics in Computing	3
MSIT 630	Database Systems	3
MMIS 653	Telecommunications and Computer Networking	3
MMIS 671	Data Analytics	3
MMIS 680	Human-Computer Interaction	3

##### Artificial Intelligence Management Concentration

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

##### Cybersecurity Management Concentration

ISEC 675	Information System Auditing	3
ISEC 695	Information Security Management Project	3

Choose one of the following:

ISEC 635	Information Security Operations Management	3
ISEC 655	Information Security Governance	3

##### Data Analytics Concentration

MMIS 642	Data Warehousing	3
MMIS 643	Data Mining	3
MMIS 692	Data Analytics Project	3

##### Technology Management Concentration

MMIS 677	Technology Management	3
ISEC 635	Information Security Operations Management	3

Select a course from aforementioned concentrations and/or any offerings of 600-level courses prefixed MMIS or ISEC as electives.

##### User Experience (UX)/Human-Computer Interaction Concentration

CISC 685	Interaction Design	3
MMIS 636	Computer-Supported Cooperative Work	3
MMIS 644	UX Strategy for Social Media	3

##### No-Concentration Option (3 courses, 3 credits each)

Select a mix of courses from the concentrations mentioned previously and/or any offerings of 600-level courses prefixed MMIS or ISEC as electives.

Curriculum is for the 2024–2025 academic year. 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 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 (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](http://www.sacscoc.org)). 24-02-060MCP

#### Admissions

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College of Computing  
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NOVA SOUTHEASTERN UNIVERSITY

**NSU**  
Florida