

# INFORMATION TECHNOLOGY

## MASTER OF SCIENCE (M.S.)

**NSU** Florida

### At a Glance

- 10 courses | 30 credit hours
- degree completion in 12–14 months as a full-time student
- degree completion in 16–24 months as a working professional

### Program Formats

- Fort Lauderdale/Davie Campus
- online

### Program Highlights

- Concentrations include application development, artificial intelligence management, cybersecurity management, and data analytics.
- 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

- business intelligence analyst
- information technology specialist
- software developer
- systems analyst
- web developer

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

## Master Today's Computing Technologies and Resources

Gain a thorough knowledge of organizational information systems, application technologies, and systems infrastructure with the M.S. in Information Technology program at NSU's College of Computing and Engineering. Available in both in-person and online formats, NSU's M.S. in Information Technology is designed within an organization and societal context through the selection, creation, application, integration, and administration of today's computing technologies and resources.

Take advantage of five core courses in database systems, platform technologies, telecommunications and networking, software development, and security technologies. Then, get a tailored approach by choosing one of four concentrations for specialized training: application development, artificial intelligence management, cybersecurity management, and data analytics; if you choose the no-concentration option, you will need to take five elective courses.

### Admissions Requirements

- online application ([apply.nova.edu](http://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 with an appropriate major
- sealed official transcripts from all institutions attended
- a résumé

International students should visit [computing.nova.edu/admissions](http://computing.nova.edu/admissions) for additional requirements.



# INFORMATION TECHNOLOGY

## MASTER OF SCIENCE (M.S.)

### Curriculum | Total Credits: 30

#### PREREQUISITE COURSES

#### Credits

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
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The Master of Science in Information Technology has four 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 653	Telecommunications and Computer Networking	3
MSIT 630	Database Systems	3
MSIT 650	Platform Technologies	3
MSIT 660	Software Development	3

##### Application Development Concentration

CISC 668	Mobile Application Development	3
CISC 685	Interaction Design	3
MSIT 665	Web Services	3

##### Artificial Intelligence Management Concentration

MMIS 621	Project Management	3
MMIS 671	Data Analytics	3
MMIS 677	Technology Management	3
MSIT 675	Deep Learning	3

##### Cybersecurity Management Concentration

ISEC 635	Information Security Operations Management	3
ISEC 655	Information Security Governance	3
ISEC 675	Governance System Auditing	3

##### Data Analytics Concentration

MMIS 642	Data Warehousing	3
MMIS 643	Data Mining	3
MMIS 671	Data Analytics	3

##### No-Concentration Option (5 courses, 3 credits each)

Select a mix of courses from concentrations and/or electives.

##### Electives (3 credits each)

Students select any 600-level courses at the college prefixed MMIS, MSIT, or ISEC (except MMIS 630 or ISEC 600, 620, 640, 650, or 660).

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)). 24-02-061MCP

## Admissions

3300 S. University Drive  
Fort Lauderdale, FL 33328-2004  
[computing.nova.edu/admissions](http://computing.nova.edu/admissions)  
(954) 262-2031 • 800-986-2247, ext. 22031  
[computing@nova.edu](mailto:computing@nova.edu)

College of Computing  
and Engineering  
NOVA SOUTHEASTERN UNIVERSITY

**NSU**  
Florida