

# Information Technology

## MASTER OF SCIENCE

### Program Features

- 10 courses | 30 credit hours
- Concentrations include application development, data analytics, information assurance, and cybersecurity management.
- 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 within 12 months.
- Working professionals can earn the degree in 16–24 months

### Career Opportunities

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

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

## M.S. in Information Technology

The Master of Science in Information Technology (MSIT) program is designed to provide students with a thorough knowledge of organizational information systems, application technologies, and systems infrastructure. It 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.

Students take five core courses covering database systems, platform technologies, telecommunication and networking, software development, and security technologies. Three courses are then taken in one of the following three concentrations of the student's choosing: application development, data analytics, or information assurance cybersecurity management. Students taking the no concentration option will need to take five elective courses. For students taking a concentration option, remaining courses are electives drawn from information technology, information security, or management information systems course offerings.

### Admissions Requirements

- ✓ completed online application for admission ([apply.nova.edu](http://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](http://cec.nova.edu/admissions) for additional requirements.



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MASTER OF SCIENCE

## Curriculum

Total Credits: 30

### PREREQUISITE COURSES

This program 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 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

Core courses, concentrations, and electives are in the following lists. Students must complete five core courses, one concentration, and 6 elective credits in order to earn the MSIT degree.

### DEGREE PROGRAM COURSES

#### Core Courses (five courses, 3 credits each)

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

#### Application Development Concentration (three courses, 3 credits each)

MSIT 665 Web Services  
MMIS 656 Web Design Technologies  
CISC 668 Mobile Application Development

#### Data Analytics Concentration (three courses, 3 credits each)

MMIS 642 Data Warehousing  
MMIS 643 Data Mining  
MMIS 671 Fundamentals of Analytics and Business Intelligence

#### Information Assurance and Cybersecurity Management Concentration (three courses, 3 credits each)

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

#### No Concentration Option (five 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).

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. 05-045-18\_01PGA

## Admissions

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