

# Information Technology

## MASTER OF SCIENCE



### Program Features

- 12 courses | 36 credit hours
- 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 months.
- Working professionals can earn the degree in 16–24 months.
- Fall and winter terms are 16 weeks.
- Summer term is 14 weeks.

### Career Opportunities

- software developer
- business intelligence analyst
- information technology specialist
- network administrator
- 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 four core courses covering database systems, platform and network technologies, software development, and security technologies. Three or more courses are then taken in one of the following three concentrations of the student's choosing: application development, database administration, or system administration. The remaining five courses (15 credits) 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.



# Information Technology

MASTER OF SCIENCE

## Curriculum

Total Credits: 36

### 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, as well as assembly language and computer organization. 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 500 Foundations of Systems

MSIT 501 Foundations of Programming, Data Structures, and Algorithms

Core courses, concentrations, and electives are in the following lists. Students must complete four core courses, one concentration, and 15 elective credits in order to earn the MSIT degree.

### DEGREE PROGRAM COURSES

#### Core Courses (four courses; 3 credits each)

MSIT 630 Database Systems

MSIT 650 Platform and Network Technologies

MSIT 660 Software Development

ISEC 615 Fundamentals of Security Technologies

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

MSIT 665 Web Services

MSIT 662 Mobile Application Development in iOS

or

MSIT 664 Mobile Application Development in Android

MSIT 668 Mobile Application Development Capstone

#### Database Concentration (three courses; 3 credits each)

MMIS 671 Fundamentals of Analytics and Business Intelligence

MMIS 643 Data Mining

MSIT 638 Database Capstone

#### System Administration Concentration (three courses; 3 credits each)

MSIT 652 System Integration and Administration

MSIT 654 Database Integration and Administration

MSIT 658 System and Database Administration Capstone

#### Electives (five courses; 3 credits each)

Students select any five 600-level courses at the college prefixed MMIS, MSIT, or ISEC (except MMIS 630 or 653 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, 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. 08-029-16\_03MCS

## Admissions

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[cec.nova.edu/admissions](http://cec.nova.edu/admissions)

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