MASTER OF SCIENCE IN INFORMATION TECHNOLOGY

About the Major

Information Technology spans organizational information systems, application technologies, software methods and 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. The M.S. in Information Technology is a 36 credit-hour program.

The M.S. in Information Technology is offered with three concentrations:
1. Application Development
2. Database
3. System Administration

Program Format

The program’s formats offer full-time students the opportunity to earn the degree in 12 months and working professionals the opportunity to earn the degree in 16–24 months. This program is available online and/or on-campus. On-campus classes are held on the main campus in Fort Lauderdale. Each class meets once a week from 6:00 p.m. to 8:00 p.m. for 16 weeks in the fall and winter terms and 14 weeks in the summer term.

Career Opportunities

- Software Developer
- Business Intelligence Analyst
- IT Specialist
- Network Administrator
- Systems Analyst
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 student’s program.

**Prerequisite Courses** (three credits each)
- MSIT 500 Foundations of Systems
- MSIT 501 Foundations of Programming, Data Structures, and Algorithms

Student must complete four core courses (twelve credits), one concentration (nine credits), and fifteen elective credits. Core courses, concentrations, and electives are listed below. If the thesis option is elected, students take nine credits of elective and six credits of thesis. Plans for the thesis option must be made with and approved by the program office.

**Core Courses** (three credits each)
- MSIT 630 Database Systems
- MSIT 650 Platform and Network Technologies
- MSIT 660 Software Development
- MSIT 670 Fundamentals of Information Security

**Application Development Concentration, Curriculum Courses** (three credits each)
- MSIT 665 Web Services
- Either
  - MSIT 662 Mobile Application Development in iOS
  - MSIT 664 Mobile Application Development in Android
- MSIT 668 Mobile Application Development Capstone

**Database Concentration, Curriculum Courses** (three credits each)
- MMIS 671 Fundamentals of Analytics & Business Intelligence
- MMIS 643 Data Mining
- MSIT 638 Database Capstone

**System Administration Concentration, Curriculum Courses** (three credits each)
- MSIT 652 System Integration and Administration
- MSIT 654 Database Integration and Administration
- MSIT 658 System and Database Administration Capstone

**Electives** (three credits each)
Students may select from any course at the school with prefix MMIS, or MSIT, except MMIS 501, 520, 630, or 653.

Notice of Nondiscrimination and Accreditation
Nova Southeastern University admits students of any race, color, sex, age, nondisqualifying disability, religion or creed, sexual orientation, or national or ethnic origin to all the rights, privileges, programs, and activities generally accorded or made available to students at the school, and does not discriminate in administration of its educational policies, admissions policies, scholarship and loan programs, and athletic and other school administered programs. Nova Southeastern University is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools (1866 Southern Lane, Decatur, Georgia 30033-4097, Telephone number: 404-679-4501) to award associate’s, bachelor’s, master’s, educational specialist, and doctoral degrees.