Information Assurance and Cybersecurity
MASTER OF SCIENCE

NSU
NOVA SOUTHEASTERN UNIVERSITY
College of Engineering and Computing

Program Features

- 12 courses | 36 credit hours
- The CEC is recognized as a National Center of Academic Excellence in Information Assurance and Cyber Defense Education by the U.S. National Security Agency and the Department of Homeland Security.
- 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 12 weeks.

Career Opportunities

- chief security officer
- compliance manager
- information systems security officer
- network security administrator
- security analyst

Learn More
cec.nova.edu

M.S. in Information Assurance and Cybersecurity

The Master of Science in Information Assurance and Cybersecurity program was developed to address the rapidly growing global challenges associated with maintaining and securing computer information. Important areas addressed by the program include threats and vulnerabilities, cryptography, authentication and access control, security models, network security, trusted computer systems, distributed systems security, World Wide Web security, and applications security, as well as security management and policies.

The MSIS degree program is designed for students who want to professionally design, program, enhance, and develop cybersecurity technologies that secure information and systems.

Admissions Requirements

✓ completed online application for admission (*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* for additional requirements.

Curriculum

Total Credits: 36

PREREQUISITE COURSES

Applicants who do not have adequate academic backgrounds 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
CISC	500	Java Programming Language
CISC	501	Assembly Language and Architecture
CISC	502	Mathematics in Computing
CISC	503	Data Structures and Algorithms

Core courses and electives are in the following lists. Students must take all 10 core courses and 2 electives. Students who wish to take an additional elective must request approval from the program office prior to registration. Students who opt to do a thesis must take all 10 core courses and 6 thesis credits. Plans for the thesis option must be made in conjunction with, and be approved by, the program office.

DEGREE PROGRAM COURSES

Core Courses (10 courses, 3 credits each)

CISC	640	Operating Systems
CISC	650	Computer Networks
CISC	680	Software Engineering
MSIT	630	Database Systems
ISEC	600	Secure Computer Systems
ISEC	620	Applied Cryptography
ISEC	640	Database Security
ISEC	650	Computer and Network Forensics
ISEC	655	Information Security Governance
ISEC	660	Advanced Network Security

Electives (two courses, 3 credits each)

Choose any two 600-level courses at the college prefixed RESD, MMIS, MSIT, ISEC, or CISC (except MMIS 630 or 653, MSIT 650, or CISC 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.

Admissions

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cecinfo@nova.edu

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