

2018

Master of Science in Information Assurance and Cybersecurity

Nova Southeastern University

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Information Assurance and Cybersecurity

MASTER OF SCIENCE

NOVA SOUTHEASTERN
UNIVERSITY

NSU
Florida

Program Features

- 10 courses | 30 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 12–14 months.
- Working professionals can earn the degree in 16–24 months.

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 Master of Science in Information Assurance and Cybersecurity degree program is designed for students who want to professionally design, program, enhance, and develop cybersecurity technologies that secure information and systems.

Admissions Requirements

- online application (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 and with an appropriate major
- sealed official transcripts from all institutions attended
- a résumé

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.



Information Assurance and Cybersecurity

MASTER OF SCIENCE

Curriculum | Total Credits: 30

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

Required courses are in the following list. Students must take all 10 required courses. Students who wish to take an elective (above the 10 required courses) must request approval from the program office prior to registration. Students who opt to do a thesis must take all 10 required courses aside from ISEC 690, and take 6 thesis credits (total 33 credits). Plans for the thesis option must be made in conjunction with, and be approved by, the program office.

DEGREE PROGRAM COURSES

Required Courses (10 courses, 3 credits each)

CISC	640	Operating Systems
CISC	650	Computer Networks
CISC	680	Software Engineering
ISEC	600	Secure Computer Systems
ISEC	620	Applied Cryptography
ISEC	640	Database Security
ISEC	650	Computer and Network Forensics
ISEC	660	Advanced Network Security
ISEC	690	Information Security Project
MSIT	630	Database Systems

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. 08-055-18_02PGA

Admissions

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Fort Lauderdale, Florida 33314-7796
cec.nova.edu/admissions
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cecinfo@nova.edu

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