

INFORMATION ASSURANCE AND CYBERSECURITY

MASTER OF SCIENCE (M.S.)

NSU Florida

At a Glance

- 10 courses | 30 credit hours
- degree completion in 12–14 months as a full-time student
- degree completion in 16–24 months as a working professional

Program Formats

- Fort Lauderdale/Davie Campus
- online

Program Highlights

- The CCE 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.
- Receive quality instruction from CCE faculty members—all of whom hold Ph.D. degrees and are experts in their respective fields of research/application.

Future Opportunities

Under the category of Protect and Defend, within the National Institute of Standards and Technology, explore careers such as:

- chief information security officer (CISO)
- information systems security officer (ISSO)
- cyber defense analyst (OPM#511)
- cyber defense infrastructure support specialist (OPM#521)
- cyber defense incident responder (OPM#531)
- vulnerability assessment analyst (OPM#541)

Learn More
computing.nova.edu

Prepare to Dominate the Cybersecurity Field.

Prepare to dominate the cybersecurity field with the Master of Science (M.S.) in Information Assurance and Cybersecurity degree program at Nova Southeastern University (NSU). Gain the skills you need to design secure network infrastructures with top-tier network security engineering, and to perform security analysis of network traffic.

The National Security Agency (NSA) and the Department of Homeland Security (DHS) have certified that NSU's curriculum in information security meets or exceeds the requirements and standards expected of a leader in cybersecurity research and education. NSA and DHS recognized that NSU's graduate curriculum met the additional requirements for educational specializations in network security engineering and security policy development and compliance. As a result of this recognition, federal agencies may sponsor civilian and military personnel to take the school's certified graduate courses. Individuals may apply to take one or more certified information security courses as nondegree students.

NSU is designated as a National Center of Academic Excellence in Cyber Defense (CAE/CD) education, and NSU's CCE is hosting the Center for Information Protection, Education, and Research (CIPHER). NSU first received this designation in March 2005 and was among the first in Florida.

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

International students should visit computing.nova.edu/admissions for additional requirements.



INFORMATION ASSURANCE AND CYBERSECURITY

MASTER OF SCIENCE (M.S.)

Curriculum | Total Credits: 30

PREREQUISITE COURSES

Credits

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	501	Foundations of Programming, Data Structures, and Algorithms	3
CISC	501	Computer Organization and Architecture	3
CISC	502	Mathematics in Computing	3
CISC	503	Data Structures and Algorithms	3

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 before registration. Students who opt to complete 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	3
CISC	650	Computer Networks	3
CISC	680	Software Engineering	3
ISEC	615	Fundamentals of Cybersecurity	3
ISEC	620	Applied Cryptography	3
ISEC	640	Database Security	3
ISEC	650	Computer and Network Forensics	3
ISEC	660	Advanced Network Security	3
ISEC	690	Information Security Project	3
MSIT	630	Database Systems	3

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 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. 05-012-20MCP

Admissions

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