2018

Master of Science in Information Assurance and Cybersecurity

Nova Southeastern University

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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.
Information Assurance and Cybersecurity
MASTER OF SCIENCE

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.