2018

Master of Science in Information Assurance and Cybersecurity

Nova Southeastern University

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Information Assurance and Cybersecurity

MASTER OF SCIENCE

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.

Professional students should visit cec.nova.edu/admissions for additional requirements.
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.

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