

## GRADUATE CERTIFICATE IN INFORMATION SECURITY MANAGEMENT

### About the Major

The Graduate Certificate in Information Security Management requires a total of 15 credit hours. It is recognized by the National Security Agency (NSA) based on its certification of the college's curriculum under NSA national training standards. As a result of this certification, Federal civilian and military personnel will be permitted to take the college's certified graduate course under government sponsorship, and the college is authorized to issue certificates to students who complete such courses. Individuals may apply to take one or more certified information security courses as non-degree seeking students.

### Program Format

This program's formats offer students to earn the certificate in 12-16 months. This program is available online and/or on-campus. On-campus classes are held on the main campus in Fort Lauderdale. Each class meets once a week from 6:00 p.m. to 8:00 p.m. for 16 weeks in the fall and winter terms and 14 weeks in the summer term.



### Career Opportunities

- Security Specialist
- Chief Security Officer (CSO)
- Information Security Professional
- Network Administrator

# THE CURRICULUM - 15 TOTAL CREDITS

## Information Security Management

Students must take the five courses listed below. Each of these courses has prerequisite requirements which may be satisfied by taking the prerequisite courses listed in the course descriptions or by demonstrating equivalent experience or the complete of equivalent courses taken elsewhere.

### ISEC 615 Fundamentals of Security Technologies

An overview of the technical aspects of information security. Issues discussed include authentication, confidentiality, access control, trust and non-repudiation. Investigation of fundamental assurance technologies that can be applied to interface specifications, architectures, and implementations of information security mechanisms. The selection of appropriate security applications, security lifecycles, and interoperability issues will also be covered. Students who do not have prior exposure to computer networking are recommended to take MMIS 653, Telecommunications and Computer Networking, prior to taking this course.

### ISEC 635 Information Security Operations Management

Provides an understanding to implement effectively the information security vision and strategy set forth by the executive management. The emphasis will be on the management of an information security program. Focus is on the implementation of information security policy, information security planning, development of information security processes, and establishment of information security measures. Concepts and techniques from the management and organizational behavior disciplines will be integrated in order to identify and propose solutions to the problems of information security administration.



#### Notice of Nondiscrimination and Accreditation

Nova Southeastern University admits students of any race, color, sex, age, nondisqualifying disability, religion or creed, sexual orientation, or national or ethnic origin to all the rights, privileges, pro-grams, and activities generally accorded or made available to students at the school, and does not discriminate in administration of its educational policies, admissions policies, scholarship and loan programs, and athletic and other school administered programs. Nova Southeastern University is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools (1866 Southern Lane, Decatur, Georgia 30033-4097, Telephone number: 404-679-4501) to award associate's, bachelor's, master's, educational specialist, and doctoral degrees.

### ISEC 655 Information Security Governance

Challenges and opportunities of effectively governing an organization's information security requirements and resources. Information security governance lays out the vision for the information security program. Discussions include what constitutes good information security governance, and development of an effective information security strategy and policy. Also focuses on how to improve information security accountability, regulatory compliance, and maturity.

### ISEC 675 Information Systems Auditing

Prerequisites: MMIS 683 or ISEC 615 and MMIS 684 or ISEC 635

Fundamental concepts related to an information systems audit. Principles and practices related to secure operation of existing information technology. Information security accountability, development of internal control objectives and framework, and identification of appropriate audit procedures for a secure information system.

### ISEC 695 Information Security Management Project

Prerequisites: MMIS 683 or ISEC 615 and MMIS 684 or ISEC 635 and MMIS 685 or ISEC 655 and MMIS 686 or ISEC 675

This project course integrates all of the knowledge accumulated through the previous courses and serves as a capstone for the Concentration in Information Security Management. The course focuses on integrating best practices demonstrated through case studies and systems assessment in order to help students develop a final information security management capstone project. Students may enroll in this class only after completing all of the information security management concentration courses. Upon request, the course may be taken concurrently with one of the prerequisite courses. Such a request will only be approved in the last term of a student's matriculation, and students taking a prerequisite concurrently are subject to the same expectations as those who have completed all prerequisites.

## For further information

- Visit us online at [www.cec.nova.edu](http://www.cec.nova.edu)
- Contact us at (954) 262-2005, toll free: 800-986-2247, ext. 22005 or via email at [cecinfo@nova.edu](mailto:cecinfo@nova.edu)
- Visit us on-campus at 3301 College Avenue, Carl DeSantis Building, Fourth Floor, Fort Lauderdale, Florida 33314
- Apply Online at [www.cec.nova.edu/admissions](http://www.cec.nova.edu/admissions)