Master of Science in Cybersecurity Management

Nova Southeastern University

Follow this and additional works at: https://nsuworks.nova.edu/cec_coursecatalogs

Part of the Computer and Systems Architecture Commons

NSUWorks Citation

https://nsuworks.nova.edu/cec_coursecatalogs/178

This Program Overview is brought to you for free and open access by the NSU Course Catalogs and Course Descriptions at NSUWorks. It has been accepted for inclusion in College of Engineering and Computing Course Catalogs by an authorized administrator of NSUWorks. For more information, please contact nsuworks@nova.edu.
Cybersecurity Management

MASTER OF SCIENCE

M.S. in Cybersecurity Management

The Master of Science in Cybersecurity Management is a 30-credit program at Nova Southeastern University's College of Engineering and Computing. Offered online and on campus in South Florida, the program is designed for individuals who want to focus on security policy development and compliance by obtaining the necessary skills and abilities for the development of organizational policies related to information assurance/cybersecurity defense and the analysis of operational systems for compliance with applicable related laws and policies. If you want to focus on network security engineering to ensure the security of organizational assets from the technical perspective, then you should look at the M.S. in Information Assurance and Cybersecurity.

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. Because 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 non-degree students. NSU is designated as a National Center of Academic Excellence in Cyber Defense (CAE/CD) education, and NSU's CEC is hosting the Center for Information Protection, Education, and Research (CIPhER). The university was among the first in Florida to receive this designation in March 2005 amongst the first in the State of 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

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.
Curriculum | Total Credits: 30

PREREQUISITE COURSES
Applicants who do not have adequate academic backgrounds may be required to take the following 500-level graduate course during the first term of the program.

MSIT  501   Foundations of Programming, Data Structures, and Algorithms

Students must take all 10 required courses in the list that follows. 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 first take first nine required courses (not including ISEC 695) and take 6 thesis credits (total 33 credits). Plans for the thesis option must be made in conjunction with, and approved by, the program office.

DEGREE PROGRAM COURSES
Required Courses (10 courses, 3 credits each)
- MMIS  621  Information Systems Project Management
- MMIS  623  Information Privacy and Ethics
- MMIS  630  Database Management and Applications
- MMIS  653  Telecommunications and Computer Networking
- MMIS  680  Human-Computer Interaction
- ISEC  615  Fundamentals of Cybersecurity
- ISEC  635  Information Security Operations Management
- ISEC  655  Information Security Governance
- ISEC  675  Information System Auditing
- ISEC  695  Information Security Management Project

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.