

CYBERSECURITY FOR MANAGERS (ADV CERT)

Overview

15 credits

NYSED 41021

Cybersecurity and cybersecurity managers are in high demand in corporations, as cybercrimes become more rampant and widespread. There is a demand for business leaders to understand how to detect, manage, prevent and recover from cyberattacks. The emphasis is on prevention and mitigation, and on the provision and management of the cybersecurity elements within the corporate information technology ecosystem.

This advanced certificate program prepares students for career opportunities in cybersecurity by developing their knowledge and skills for developing, deploying, and managing security in organizations. The curriculum takes a socio-technical approach to cybersecurity, emphasizing the human and managerial aspects.

The curriculum consists of 5 courses (3 required core and 2 electives) spanning two to three semesters and resulting in a 15-credit Advanced Certificate in Cybersecurity for Managers. Students can use the 15 credits toward the M.S. in Information Technology program offered in the Information, Technology and Operations area at the Gabelli School of Business.

The program integrates the fields of information technology with other business and technology areas. It aims to provide an introductory understanding of security principles, as well as the applied methods used to solve security problems and address relevant challenges and issues. It is designed to help students work at a professional level in cybersecurity.

Admissions

Admissions requirements include:

- Completed and signed application
- Application fee
- Written statements
- Official undergraduate transcript (and graduate transcript)
- Two reference letters
- Resume

Requirements

Curriculum

Course	Title	Credits
Core Courses		
ISGB 799D	Cybersecurity for Business	3
ISGB 79AC	Cybersecurity Analytics for Business	3
ISGB 79AD	Digital Forensics	3
Elective Courses		
Choose two courses from the list below. ¹		6
Total Credits		15

¹ Other elective courses within the Gabelli School of Business are possible with approval of the Program Director.

Elective Courses

Courses in this group have the CME attribute.

Course	Title	Credits
ISGB 7933	Audit Data Analytics	3
ISGB 7943	Programming with Python	3
ISGB 799R	IT Audit and Information Assurance	3
ISGB 799V	R Statistical Programming	3