

INFORMATION SECURITY MANAGEMENT, CAS

Contact

Jeff Saltz
Program Director
(315)443-2911
igrad@syr.edu

Website

<https://ischool.syracuse.edu/academics/certificate-of-advanced-study-in-information-security-management/>

Overview

Information is a critical asset within an organization. Lives and livelihoods depend on the continuation of information systems and their correct operation. With the increasing complexities of today's hardware, software, and their networking, the need for managing enterprise security becomes more pressing. Information Security Management (ISM) can be defined as the comprehensive skills that manage a high degree of complex technical security, increased operational costs, and diverse policies and user behavior. Senior executives, IT managers, and technical staffs need well-educated, strong skills in ISM for their organizations.

The Certificate of Advanced Study (CAS) in Information Security Management (ISM) offers a comprehensive set of skills for information security management, enabling students to take a lead role in the area within their organizations. The 15-credit CAS provides students with the flexibility to take coursework that does not overlap with their current expertise but gives them tools in information security technology, policy, risk management, and evaluation, depending on their background.

This certificate is offered both on campus and online. The certificate is available to those with or without experience in the information technology field. Applicants may be currently working in a related field, or they may be interested in making a career change into the information security field. The certificate also provides an opportunity for professional development and serves as a foundation for career advancement.

Student Learning Outcomes

After completing the program, students will be able to:

1. Analyze technical and policy issues, ethics, and diverse user behavior that either impact or are impacted by information security
2. Evaluate and explain applications of information security in highly complex hardware, software, data, and their networking infrastructure
3. Manage the complex interaction between technical security, management issues, policy issues, ethics, and diverse user behavior, as it may affect organizational operations and data integrity
4. Develop and deliver effective professional communications

Curriculum

Code	Title	Credits
Required Core		
IST 623	Introduction to Information Security	3
Secondary Core		
Students need to choose three classes from the list below		9

IST 602	Digital Forensics
IST 625	Enterprise Risk Management
IST 634	Security in Networked Environments
IST 636	Leading Issues in Information Security
IST 704	Applied Information Security
IST 728	Information Security Policy
Electives	
Students can choose one course from the list below or any additional course from the secondary core. Courses and Independent studies in related areas can be petitioned to count as an elective.	
IST 615	Cloud Management
IST 618	Information Policy
IST 659	Data Administration Concepts and Database Management
IST 690	Independent Study
IST 714	Cloud Architecture