

INFORMATION SECURITY (ISEC)

ISEC 5305 Seminar in Information Security Foundations (3)

Pre-requisite(s): Graduate standing

Covers fundamental concepts in information security through providing students with a common body of knowledge in key information security knowledge domains. Coverage of these knowledge domains prepares entry-level professionals in both technical and non-technical disciplines with the key skills and concepts needed to contribute to the information security posture of their organization.

ISEC 5310 Cyber Security Human Factors: Ethics, Integrity, Practices, Policies, and Procedures (3)

Pre-requisite(s): Graduate standing

This course explores the areas of ethics and integrity to assure that the practices, policies, and procedures are in place in an organization to secure the firm's information.

ISEC 5320 Cyber Security Technology Factors (3)

Pre-requisite(s): ISEC 5305 or equivalent

This course provides a roadmap of the paths available to organizations for deploying various security devices and tools. The course goes beyond the narrow technical view and offers a full context for the deployment of security technologies. Six key areas of network security will be covered, with each section covering a tool that will play a part in a company's overall information assurance program.

ISEC 5330 Cybersecurity Policy and Planning (3)

Pre-requisite(s): Graduate standing

This course examines how the information security function is best managed from an organizational perspective. The class will cover a variety of topics to help students understand some of the best practices for how the security function should operate within the context of the overall organization.

ISEC 5340 Cyber Warfare, Threats, Vulnerabilities and Countermeasures (3)

Pre-requisite(s): Graduate standing

This course presents material relevant to understanding the various types of information security risks faced by organizations. Students are also exposed to concepts for developing a corporate security plan designed to mitigate these various information security risks and cyber-attacks.

ISEC 5405 Cyber Security Fundamentals (4)

Introduces students to the foundational aspects of cybersecurity, and how these aspects relate to the organizational and business environment. Students will be able to describe the major "domains" of cyber security and how these domains can be applied to the organization or workplace.

ISEC 5430 Enterprise Cyber Security Planning and Policy: A Strategic Approach (4)

This course examines how the enterprise cyber security function can be managed from a strategic perspective to ensure effective risk mitigation in an environment where the nature of cyber risks is continually evolving. The course focuses on the importance of treating cyber security as a strategic organizational function and provides students with tools, best practices, and security frameworks to help safeguard organizational information assets.