



Graduate & Professional Studies

Certificate of Advanced Study - Cybersecurity

This 15-credit program will allow you to expand your knowledge base and open opportunities in the field of Cybersecurity. All courses can be applied toward a master's degree or can be a stand-alone credential of value setting you apart in the workplace.

CY621: Cybersecurity Risk Analysis & Decision-Making **Fall I**

Cybersecurity, information assurance, and computer security deal with virtual and remote risks that continue to evolve rapidly. Losses frequently remain undetected for a year, even in sophisticated environments across most industry sectors. Technologists, managers, and leaders need to make use of leading techniques, to deploy defenses and respond to incidents quickly, and prepare for new adversaries on a continual basis. You will learn skills to convince CEOs and Boards to provide appropriate resources to manage risk within a general enterprise risk strategy.

MG554: Project Management **Fall II**

This course builds on introductory project management skills to form a solid grounding in the nine project management knowledge areas and five process groups as detailed by the Project Management Body of Knowledge (PMBOK). Topics include the following: initiating, planning, executing, monitoring, and controlling, closing, integration management, scope management, time management, cost management, quality management, human resource management, communication management, risk management, and procurement management. Cost, scope, quality, and procurement receive special emphasis in this course.

CY617: Cyber Law and Ethics **Spring I**

Examines legal and ethical challenges relevant to cyber operations professionals confront in the public and private sectors. Coverage extends to include the specific cyber extensions including the implications of ethical hacking, limitations on defensive strategies, and avoiding collateral damage. The course then reviews the statutes and regulations that provide the government with the authority to conduct cyber operations, as well as the limits that the statutes impose. In addition, students investigate the interaction between public-sector and private-sector cybersecurity and the resulting influences on privacy that and cybersecurity defenses.

CS550: Technology Management and Integration **Spring II**

This course is designed to provide a graduate-level introduction of corporate information systems, including investigations in the role of technology for communications, decision making, management, and planning. Students will demonstrate competency in utilizing information technologies on the managerial level and adapt technology to business scenarios and leadership decisions.

CY656: Cyber Integration and Assurance **Summer I**

Provides Knowledge and capabilities to extend general risk postures of an organization to the cyber areas. It aligns enterprise views, policy formulation, together with legal compliance, acquisition considerations, and principles relating to integration with external parties. In addition, the course integrates technology and strategy within the cybersecurity arena with threat modeling, with all other areas of the firm, and extended information stakeholders beyond the firm's boundaries.

Students may take up to 3 courses before they must matriculate.

Students pursuing Certificates of Advanced Study may be eligible for financial aid.