

CYBERSECURITY AND INFORMATION ASSURANCE, MS

Introduction

Graduate certificates are offered in specialized business areas and are designed to update skillsets or explore a new area of business. Courses are tailored to the working professional with online and evening class options.

The Cybersecurity and Information Assurance certificate places an emphasis on the use of tools and technologies for information assurance rather than on design and development of protocols to secure an enterprise infrastructure.

With recent breaches in the security of many large government agencies and private companies, cybersecurity is an issue of great importance to the global society. As corporations increasingly depend on digital solutions in new product development, the consequence of an electronic security breach will likely become more severe.

Program Requirements

Code	Title	Hours
Core Courses		21
Students must complete ALL 7 core courses:		
ISMG 6020	Python for Data-Driven Applications	
ISMG 6120	Network Design and Analysis	
ISMG 6340	Cloud Computing Concepts, Tools, and Security	
ISMG 6430	Information Systems Security and Privacy	
ISMG 6860	Ethical Hacking Concepts and Methodologies	
ISMG 6865	Digital Forensics Analysis	
ISMG 6890	IT Risk Management	
Capstone Experience		3
Students must complete a capstone experience to be completed during the final 12 credit hours of the program. This can either be an applied course or internship:		
ISMG 6910	Design Science Practicum	
ISMG 5939	Internship	
Electives		6
Any course numbered 5000 or higher with an ISMG prefix, or any graduate-level Business School, CSCI, or CVEN course may be used to satisfy the free electives.		
Total Hours		30