

SCHOOL OF BUSINESS AND PUBLIC ADMINISTRATION

CYBERSECURITY MANAGEMENT PROGRAM

OVERVIEW

PROSPECTUS

The Cybersecurity Management Minor and Professional Certificate Program in Cybersecurity Management are part of an interdisciplinary management approach to cybersecurity in public and private organizations. The primary objectives of this program are to provide students and professionals with the skills and confidence needed to identify problem areas related to cybersecurity and information technology management in an organization and identify solutions. The program is intended to enhance student and participant learning and career opportunities in information security management that can be applied to various organizational settings.

Subject Matter

The focus of the course material is on cybersecurity management challenges in an organizational setting. Students will learn about the critical need for protection of data and information, and what to do in the event that protected information is breached. The program is designed to capitalize on the intellectual strengths of students majoring in different disciplines that are consistent with the broad suite of professional management needs found in varied institutional settings. Students with background or academic areas of interest in: criminal justice, information technology, business, public administration, law, education, healthcare, the behavioral sciences and many other fields may link their area of interest to this program. The program will cover subject matter in information risk management, computer crime, homeland security, law, defense, terrorism studies, policy development and other topics as they relate to information management and security threats.

Intellectual Skills and Learning Methods

The course of study will provide students with the techniques and tools to deal with cybersecurity management, planning and threats. The methodology of the coursework will provide students and participants with skills to:

1. Develop an understanding of the importance of cybersecurity management in organizations;
2. Identify short- and long-term cybersecurity threats and problems and their associated consequences for organizations if not properly addressed by management;
3. Learn how to gather and analyze relevant information for informed management decision-making and responses to cybersecurity threats; and
4. Learn how to think strategically about new ways to approach and solve cybersecurity management challenges in organizations.

Affective and Creative Capabilities

In this program, students will examine cybersecurity and information technology oversight; management techniques and key components in developing cybersecurity plans (see above) and search for strategic ways to protect organizations from cybercrimes and intrusions.

LEARNING OUTCOMES

Student Learning Outcome assessments will be conducted by performing pre-and-post tests in every class and by developing student learning performance profiles for each class. Hands-on simulation exercise and writing assignments will be used to measure proficiency.

DEGREE REQUIREMENTS

CYBERSECURITY MANAGEMENT MINOR AND CYBERSECURITY PROFESSIONAL CERTIFICATE

PROGRAM REQUIREMENTS (15 CREDIT HOURS)

Required Courses (15 credit hours)

Course	Course Title	Credits	Term Offered
CSM100	INTRODUCTION TO CYBERSECURITY MANAGEMENT	3	FALL/SPRING/ ALL YEARS
CSM200	FUNDAMENTAL OF COMPUTERS AND NETWORKING TECHNOLOGIES FOR CYBERSECURITY MANAGERS IN ORGANIZATIONS: UNDERSTANDING COMPUTER HARDWARE, NETWORKS AND THE INTERNET	3	FALL/SPRING/ ALL YEARS
CSM300	CYBERSECURITY MANAGEMENT TOOLS AND TECHNIQUES	3	FALL/SPRING/ ALL YEARS
CSM301	CYBERCRIME AND DIGITAL FORENSICS	3	FALL/SPRING/ ALL YEARS
CSM302	LEGAL ISSUES AND CASES IN CYBERSECURITY AND THE LAW: LOCAL, NATIONAL AND INTERNATIONAL	3	FALL/SPRING/ ALL YEARS

Elective Courses

A student may petition the Public Administration and Legal Studies Program for consideration to substitute

a course they have completed that may be equivalent in content to a course required in the Cybersecurity Management program.

FACULTY

PROGRAM FACULTY

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