

Cyber and Information Systems, Graduate Certificate (Online)

The Graduate Certificate in Cyber and Information Systems focuses on the sociotechnical approach to cybersecurity with attention to identifying threats, applying engineering methods, and considering real-world complexities to protect and sustain secure digital environments.

This three-course graduate certificate is designed to provide students with opportunities to apply the fundamentals of cybersecurity knowledge and skills to system defense with attention on secure architecture and implementation, enterprise threat and risk assessment, and the integration of security controls across interconnected systems.

Program Requirements

Complete all courses and requirements listed below unless otherwise indicated.

Required Courses

Code	Title	Hours
Complete 12 semester hours from the following (some options require prerequisite coursework outside of this curriculum):		12
CSYE 6255	Software Testing for Engineers	
CSYE 7280	User Experience Design and Testing	
DAMG 6210	Data Management and Database Design	
DAMG 7350	Systems and Cybersecurity Fundamentals	
INFO 6150	Web Design and User Experience Engineering	
INFO 6245	Planning and Managing Information Systems Development	
INFO 6255	Software Quality Control and Management	
INFO 7260	Business Process Engineering	

Program Credit/GPA Requirements

12 total semester hours required

Minimum 3.000 GPA required