

# Master of Science in Cybersecurity

**Catalog Year: 2025**

**Total Degree Credit hours: 30**

This degree enhances career opportunities to supervise, design, develop, and operate a secure cyber environment. The program can be completed 100% online in 12 months by fully prepared applicants and employs a unique 7-week course structure allowing students to complete 4 courses per fall and spring semester while taking 2 classes at a time.

Upon completion students will be able to strategize, design, develop, deploy, and lead cybersecurity efforts in the enterprise; prepare for, respond to and recover from cybersecurity threats/incidents; manage cybersecurity risk to information assets; and select & apply appropriate tools & methodologies to solve real-world cyber problems.

**This program requires a specific type of background for admission** in addition to the general admission requirements to the Graduate College. All students must satisfy the 3 foundation requirements in programming, computing infrastructure, and data communication and networking. You can satisfy the foundation requirements for the MSCYBR program in one of the following 2 manners:

- 1) By completing the appropriate prerequisite modules through the KSU College of Graduate & Professional Education (<https://cpe.kennesaw.edu/>) in Programming Principles, Computing Infrastructure, Data Communication and Networking.
- 2) By completing the following undergraduate courses (or their KSU equivalents) with a grade of 'C' or better: IT 1114/L Programming Principles, CYBR/IT 3123 Computing Infrastructure, CYBR/IT 4323 Data Communications and Networking.

## Required Courses (27 Credit Hours)

### Prerequisites

CYBR 7000: Cyber Law, Policy, & Enforcement	Admission to program	3	
CYBR 7050: Cybercrime Detection, Analysis & Forensics	CYBR 7000	3	
CYBR 7100: Secure Application Development	Admission to program	3	
CYBR 7200: Securing Enterprise Infrastructure	Admission to program	3	
CYBR 7220: Mobile and Cloud Security	CYBR 7200	3	
CYBR 7240: Cyber Analytics & Intelligence	CYBR 7200	3	
CYBR 7300: Management of Cybersecurity	Admission to program	3	
CYBR 7350: Contingency Planning and Response	CYBR 7300	3	
CYBR 7400: Introduction to Cryptography and Its Application	CYBR 7200	3	

## Required - Select one from the following (3 Credit Hours)

### Prerequisites

CYBR 7910: Capstone in Cybersecurity Practicum	CYBR 7100, CYBR 7240 & CYBR 7300	3	
CYBR 7930: Capstone in Cybersecurity Management	CYBR 7350	3	