OUR PROGRAM

Become an in-demand professional with the valuable skills you will acquire in the Master of Science in Cybersecurity Management online program from Murray State University. Designed with the needs of various industries in mind – including healthcare, education and finance – this degree provides students with the technical foundation to manage and secure contemporary data networks. You will receive an overview of security challenges and mitigation controls such as network intrusion, prevention and detection, incident response, malicious software, public key encryption, and message authentication. You will also graduate equipped with skills in cybersecurity governance, policy and planning, risk management, business continuity and more. This degree can complement your existing career by adding collaborative information technology and security expertise to your professional strengths.

As a graduate of this program, you will be able to:

- Become a member of ISACA® and have access to mentors, networking opportunities, and additional training and credentials
- Understand the infrastructures and architecture of networks, data communications, and hardware/ software components to business needs
- Work with industry partners to examine security operations, management, governance, risk and compliance
- Discover the root cause of security breaches and lead forensic investigations

This Program will prepare you for careers such as:

- Chief Information Security Officer
- Information Security Manager
- Information Systems Security Office
- Information Security Officer
- IT Auditor

80+ COMPANIES

visiting Murray State to recruit our students

COURSE REQUIREMENTS

Core Courses 24Hours

CYS 601: Data Communications and Networking
CYS 615: Information Systems Security
CYS 630: Telecommunications Law, Policy and Regulations
CIS 603: Project Management
CYS 645: Information Security Management
CYS 625: Information Security Risk Management
CYS 640: Incident Management and Business Continuity
CYS 680: Cybersecurity Solutions Development

Elective Courses...6 Hours

CYS 650: Security Operation Center Analyst
CYS 660: Certified Ethical Hacker I
CYS 661: Certified Ethical Hacker II
CIS 623: Introduction to Business Analytics
CIS 609: Data Management