

# Master of Science in Cybersecurity Management

School of Business and  
Information Technology

## The Risk Is Real. So Is the Expected Demand for Cybersecurity Leaders.

Kaplan University's Master of Science in Cybersecurity Management is designed to prepare you for leadership roles directing and protecting critical information infrastructures.

As a graduate, you can apply your knowledge to the management of information continuity, asset classification and control, compliance management, and the secure administration of IT infrastructure, as well as incident response.

Our curriculum is created by practicing professionals in the industry. Students can work directly with faculty via the online discussion boards and during faculty office hours.

### WHAT'S INSIDE:

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To enroll, call your Admissions Advisor today.  
For more information, visit [www.kaplanuniversity.edu](http://www.kaplanuniversity.edu).



# Build Cybersecurity Expertise and Prepare to Lead in This Growing Field

As the risk of cyberthreats continues to rise, organizations are looking for qualified cybersecurity executives with experience in the field and an advanced degree to lead and protect their critical infrastructures. In fact, employment of computer and information systems managers is projected to grow by 15% from 2014 to 2024.<sup>1</sup>



## Professional Competencies

Courses within the Master of Science in Cybersecurity Management could help students develop the following skills:

### Teamwork

- Engage in a team setting with professional integrity and respect.
- Apply conflict management skills to resolve issues and/or build team alliances.

### Leadership

- Demonstrate leadership knowledge, skills, and abilities to successfully lead teams within one's profession.
- Achieve goals through planning and prioritization.
- Formulate innovative solutions for identified initiatives.
- Model leadership skills by developing trusting relationships, respect, conflict resolution skills, and civic-mindedness.

### Personal Presentation

- Reflect the professional characteristics and culture of a given work setting.
- Convey competence through demonstrating characteristics such as reliability and accountability.
- Project a professional image, such as appearance, confidence, and attitude, for a given work environment.
- Engage in career development and advancement strategies.

### Multiculturalism and Diversity

- Assess the value of multiculturalism and diversity in a global environment.
- Apply concepts of multiculturalism and diversity to become an agent of change.

### Communications

- Demonstrate professional written and verbal communication to achieve positive results.

### Problem Solving and Critical Thinking

- Apply critical thinking and problem solving behaviors.
- Incorporate data, inferences, and reasoning to solve problems.
- Communicate the critical thinking process by which one arrives at a conclusion.
- Integrate standards of the field and ethical principles into the problem solving process.

## Possible Career Opportunities

Earning your master's degree in cybersecurity management may help you develop valuable skills that are applicable to a wide range of senior positions across the field,<sup>2</sup> including:

- Senior Security Policy Analyst/Specialist/Manager
- Senior Security Administrator/Engineer
- Security Architect/Programmer/Researcher
- Senior Forensics Analyst/Investigator
- Senior Ethical Hacker/Penetration Tester
- Senior IT Auditor

# Earn a Master’s Degree and Lead the Charge Against Cybercrime

The Master of Science in Cybersecurity Management is designed for midcareer professionals interested in meeting the challenges posed by increasing cyberthreats. To enter the program, you should already possess an in-depth knowledge of computer systems and networking technology, strong mathematical and communication skills, and familiarity with Internet and wireless applications. Required information technology (IT) skillsets should be equivalent to a Bachelor of Science in Information Technology or similar degree, or an appropriate combination of IT professional certifications and experience.

## Program outcomes:

- Evaluate theories, framework, principles, and best practices related to cybersecurity science and technology by assessing and reviewing recent cybersecurity literature and industry publications.
- Demonstrate the maturity to develop research topics based on cybersecurity underlying principles learned throughout the MSCM program.
- Analyze data using statistical principles for the purpose of developing and supporting a hypothesis.
- Apply appropriate theories, including Request for Comments (RFCs), within cybersecurity science and technology to evaluate and mitigate risk in contexts of uncertainty.

## Courses in the master’s degree include:

- Foundations in Data Analytics
- Quantitative Risk Analysis
- Computer Networks
- Cybersecurity
- Management of Information Security
- Computer and Network Security
- Ethical Hacking and Network Defense
- Platforms, Applications, and Data Security
- Wireless, Mobile, and Cloud Security
- Computer Forensics and Investigations
- Legal and Ethical Issues in IT
- IT Security Auditing and Assessments
- Financial Management of Cybersecurity

## Program Detail

### Master of Science in Cybersecurity Management

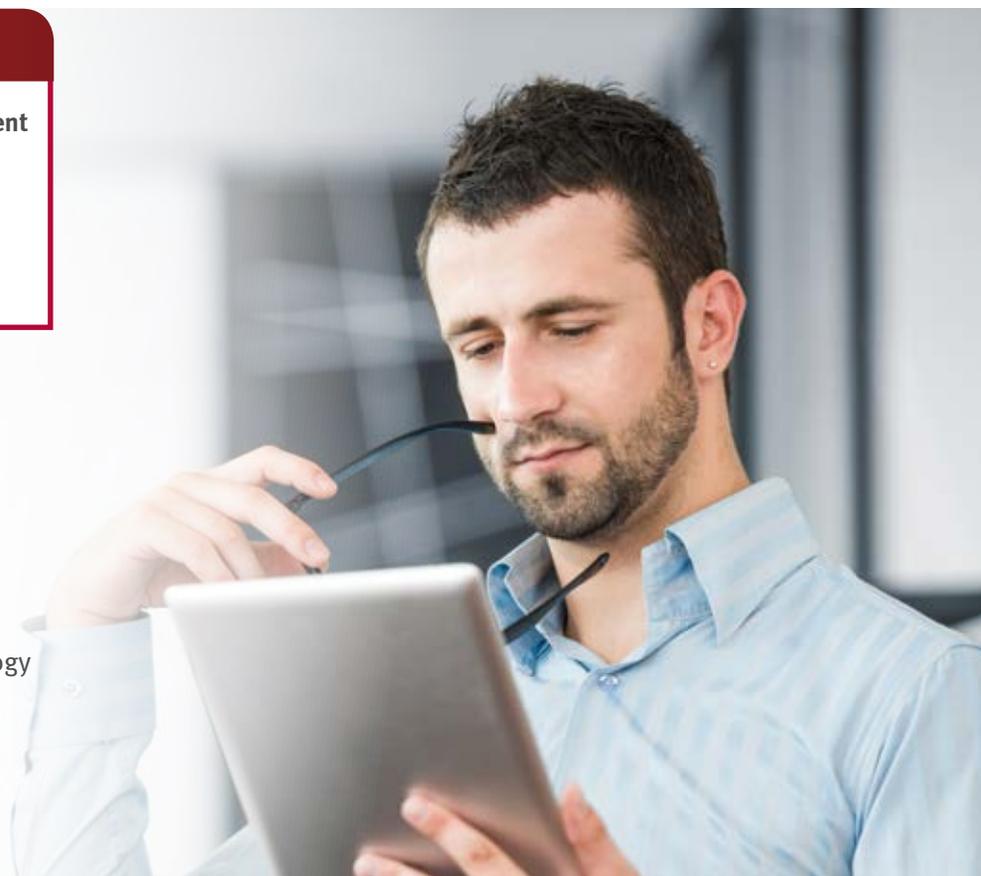
**Credit Hours:** 60

Program may not be available in all states. Contact an Admissions Advisor for details.

## Other Programs

In addition to this program, Kaplan University also offers:

- Master of Business Administration
- Master of Science in Information Technology
- Graduate Certificates in Information Technology



# Kaplan University—A Brighter Way Forward™

Kaplan University is an institution of higher learning dedicated to providing innovative undergraduate, graduate, and continuing professional education. Our programs are designed to foster student learning with opportunities to launch, enhance, or change careers in today's diverse global society.

## Advisory Board

The School of Business and Information Technology relies on the skills of a strong IT advisory board as well as educators and employers to continually review the curriculum and program offerings, and contribute faculty-authored articles and publications.

## Internship Program

The School of Business and Information Technology has created a program for both regional (local) and virtual internships.

## Chapter of the Association for Computing Machinery (ACM) and ACM Women in Computing

The School of Business and Information Technology is home to a chapter of the Association for Computing Machinery (ACM) and ACM Women in Computing, the world's largest national educational and scientific computing society. This organization delivers resources that advance computing as a science and profession.

## Hands-on Virtual Labs

These learning labs are intended to simulate real-world, on-the-job situations and allow you to practice skills relevant to the workplace. As an example, graduate students may use our virtual labs to gain tangible experience in such areas as configuring active directories, creating user accounts and assigning access, testing applications for usability, and implementing security access controls. The labs also help you build a portfolio of diverse learning skills.

## Women in Business and IT Leadership Center

The School contributes content for this online forum, providing access to practical information, tools, and insights on the trends and issues influencing women in highly competitive industries.

### Note From the Dean

"Technology is changing the way we learn, communicate, work, and live. I hope you will join us on this incredible journey and prepare to stay ahead of the curve. Our degree programs and courses help you gain the knowledge to become skilled at using this technology to benefit society and yourself. I look forward to welcoming you to our community."



Dr. Thomas Boyd, Dean  
School of Business and  
Information Technology



#### IMPORTANT INFORMATION—PLEASE READ

For comprehensive consumer and gainful employment information, visit [www.kaplanuniversity.edu/student-consumer-information.aspx](http://www.kaplanuniversity.edu/student-consumer-information.aspx).

<sup>1</sup> Source: U.S. Department of Labor, Bureau of Labor Statistics, Occupational Outlook Handbook, 2016-2017 Edition, Computer and Information Systems Managers, [www.bls.gov/ooh/management/computer-and-information-systems-managers.htm](http://www.bls.gov/ooh/management/computer-and-information-systems-managers.htm). National long-term projections may not reflect local and/or short-term economic or job conditions, and do not guarantee actual job growth.

<sup>2</sup> Kaplan University's programs are designed to prepare graduates to pursue the stated positions, which have varying responsibilities. However, the University cannot guarantee employment or career advancement. Additional training or certification may be required. In addition, job titles and responsibilities may vary from organization to organization.

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