



ONLINE

MASTER OF SCIENCE IN CYBERSECURITY

BE THE SOLUTION TO CYBER-ATTACKS.

In 2021, cybersecurity spending is expected to grow by 10% to \$60.2 billion¹, and Cybersecurity Ventures reports there will be 3.5 million unfilled cybersecurity jobs. This quickly growing field can't find the skilled professionals it needs to meet its everevolving demands. A master's in cybersecurity prepares you to meet that need. You'll graduate from Saint Mary's University of Minnesota ready to stand out to employers, build on your technology expertise, and cultivate leadership skills that are crucial to excel in this field and prevent cyber-attacks. You will be able to:

- Complete this program in only two years, 100% online
- Prepare for CISSP + CISM certification
- Enter this program without a bachelor's in computer science or technology

GRADUATE CERTIFICATES

You may also choose to pursue one of our cybersecurity certificates which you can use toward your Cybersecurity Masters:

Cybersecurity Management Graduate Certificate

Cybersecurity Technology Graduate Certificate

Contact an enrollment advisor to learn more about the graduate certificate offerings.

PROGRAM HIGHLIGHTS

- **Expert Insights:** Work alongside practice-based faculty in a curriculum designed by real-world professionals to meet the needs of this field.
- **Leadership Skills:** Develop crucial skills in communication, negotiation and appliedethics—what you need to lead and promote your ideas to non-cyber leaders in a business environment.
- **Exam Readiness:** Prepare for CISSP and CISM certifications, and earn a respected master's degree that sets you apart in this growing field.

Sources

1 Ackerman, Bob (2018, February 9). The Road for Cybersecurity in 2018. Retrieved from <https://allegiscyber.com/2018/02/the-road-for-cybersecurity-in-2018/>.

2 Morgan, Steve (2017). Cybersecurity Jobs Report, 2017 Edition, A Special Report from the Editors at Cybersecurity Ventures. Retrieved from <https://www.heravectgroup.com/wp-content/uploads/2018/07/HG-and-CV-The-Cybersecurity-Jobs-Report-2017.pdf>.



MAKE AN IMPACT. MAKE A DIFFERENCE.

TAKE ON A TOP ROLE

Throughout your coursework, you'll develop a strategic balance between business needs and hands-on practical skills. This program will bolster your technology knowledge with leadership and communication skills that are crucial to excelling in cybersecurity. With a master's in cybersecurity, you'll be ready for top-paying jobs like these:

TITLE	MEDIAN INCOME
Information Security Analyst	\$98,350 ¹
Information Security Specialist	\$75,347 ²
Information Security Officer	\$91,562 ³
Information Systems Manager	\$142,530 ⁴
Information Assurance Engineer	\$87,680 ⁵

EXPERTLY CRAFTED CURRICULUM

Experience a curriculum crafted by real-world professionals, including hiring managers, information security executives and government officials.

Saint Mary's consulted with these experts to develop a curriculum that meets the needs of today's hiring managers. As a graduate, you'll benefit from their guidance and stand out to professionals like them.

Core to the curriculum are skills in business communications, risk assessment, applied ethics and managerial basics, as well as technical knowledge in risk management, operational policy and network security.

You'll graduate ready for a top-level position, empowered to protect important assets and be the solution to cyberattacks.

¹ Bureau of Labor Statistics, U.S. Department of Labor, Occupational Outlook Handbook, Information Security Analysts. Retrieved from <https://www.bls.gov/ooh/computer-and-information-technology/information-security-analysts.htm>.

² 6Payscale, Average Information Security Specialist Salary. Retrieved from https://www.payscale.com/research/US/Job=Information_Security_Specialist/Salary.

³ Payscale, Average Information Security Officer Salary. Retrieved from https://www.payscale.com/research/US/Job=Information_Security_Officer/Salary.

⁴ Bureau of Labor Statistics, U.S. Department of Labor, Occupational Outlook Handbook, Computer and Information Systems Managers. Retrieved from <https://www.bls.gov/ooh/management/computer-and-information-systems-managers.htm>.

⁵ Bureau of Labor Statistics, U.S. Department of Labor, Occupational Outlook Handbook, Computer Network Architects. Retrieved from <https://www.bls.gov/ooh/computer-and-information-technology/computer-network-architects.htm>.

DEGREE REQUIREMENTS

Required Courses — 36 credits

Student must have a transcribed undergraduate or graduate computer networking course completed before taking CYBR 610.

CYBR 600 Foundations of Cybersecurity	3 cr.
(required first course)	
CYBR 605 Security Architecture	3 cr.
CYBR 610 Network Security and Intrusion Detection	3 cr.
CYBR 615 Cybersecurity Change Mgmt	3 cr.
CYBR 620 Operational Security Policy	3 cr.
CYBR 625 Risk Management	3 cr.
CYBR 630 Communication for Cybersecurity Professionals	3 cr.
CYBR 635 Data Privacy	3 cr.
CYBR 640 Leadership and Ethics	3 cr.
CYBR 645 Incident Response and Investigation	3 cr.
CYBR650 Ethical Hacking and Defense	3 cr.
CYBR690 Security Operations and Leadership	3 cr.

For current degree requirements, visit the Saint Mary's University of Minnesota Course Catalog at <https://catalog.smumn.edu>.