Master of Science in

CYBERSECURITY MANAGEMENT

Come Back and Move Forward as a Leader in Cybersecurity

The demand for cybersecurity professionals who can address the challenges facing the field continues to grow. With a master's degree from Purdue Global, you'll be prepared to meet it. Make your comeback as a leader who can direct and protect critical information infrastructures. Help organizations anticipate, respond to, and overcome cyberattacks and gain the latest industry advances to keep you competitive now and in the future.

PURDUE GLOBAL™

Why Study Technology at Purdue Global?

Built for Working Adults

Complete courses online, without compromising your work or family schedule.

Backed by the Power of Purdue

Earn a degree you can be proud of — and one that employers will respect. Achieve more in the cybersecurity field with a name that opens doors in your career.

Practical Experience You Can Count On

In the cybersecurity field, tangible experience is key. Our program offers learning labs that simulate real-world, on-the-job situations so you can build a portfolio of diverse learning skills.

Expert Faculty With Real-World Experience

Our faculty are practicing professionals with extensive experience in cybersecurity and education. All professors possess advanced degrees, and many hold industry certifications, have significant industry experience, contribute to academic journals, and present at conferences.

Personal Support

Work directly with faculty through online discussion boards and seminars, and enjoy no-cost individual tutoring. In addition, academic and career advisors are dedicated to helping you balance school with your career and life responsibilities.

An Education That's Proven and Respected

Purdue Global is backed by Purdue University. One of the most prestigious universities in the world, Purdue ranked #16 overall and #1 in education among *Fast Company* magazine's prestigious **World's Most Innovative Companies**.[1]

Program Outcomes Support Your Career Growth

BUILD THE CORE SKILLS AND COMPETENCIES THAT EMPLOYERS DEMAND OF CYBERSECURITY LEADERS		PREPARE TO MANAGE CYBERSECURITY TEAMS
• Theory and Principles • Industry Research • Decision Analysis	• Critical and Analytical Thinking • Communication Abilities • Leadership	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.

Concentration Areas

Customize your degree plan to develop specialized expertise in your chosen career path. We offer several optional concentrations aligned to current industry demands.

Amazon Web Services (AWS) Cloud Technologies

Explore cloud computing, architecting, and AWS core services. Examine the fundamentals of AWS infrastructure, service options, and best practices in the AWS cloud.

Data Analytics

Explore statistical methods for data analytics and employ appropriate data analytics concepts and tools. Apply foundational programming concepts in an analytics setting.

Project Management

Focus on every phase of the project life cycle using current software to achieve goals and objectives. Learn to control project cost and scheduling, analyze project risk and quality, and consider legal and ethical issues.

Secure Software Development and Quality Assurance

Examine secure software development and design concepts. Apply best practices for coding, software testing, and implementation processes.

Curriculum

Our rigorous curriculum prepares you for leadership and management roles across the field of cybersecurity.[2] All courses are continually reviewed by our dedicated faculty and curriculum department to ensure they reflect the most recent developments and breakthroughs.

Courses

- Writing and Critical Thinking for the IT Professional
- Foundations in Data Analytics
- Quantitative Risk Analysis
- Security for Analytics
- Introduction to Cybersecurity
- Management of Information Security
- Cryptography Concepts and Techniques
- 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 Investment of Cybersecurity
- Master's Capstone in Cybersecurity Management

Optional Concentrations:

- Amazon Web Services (AWS) Cloud Technologies
- Data Analytics
- Project Management
- Secure Software Development and Quality Assurance

Program Detail

Credit Hours:
- General Program: 60 (non-concentration)
- Optional Concentration: 76-80

Program Length:
- General Program: Less than 2 years
- Optional Concentration: Approximately 2.5 years
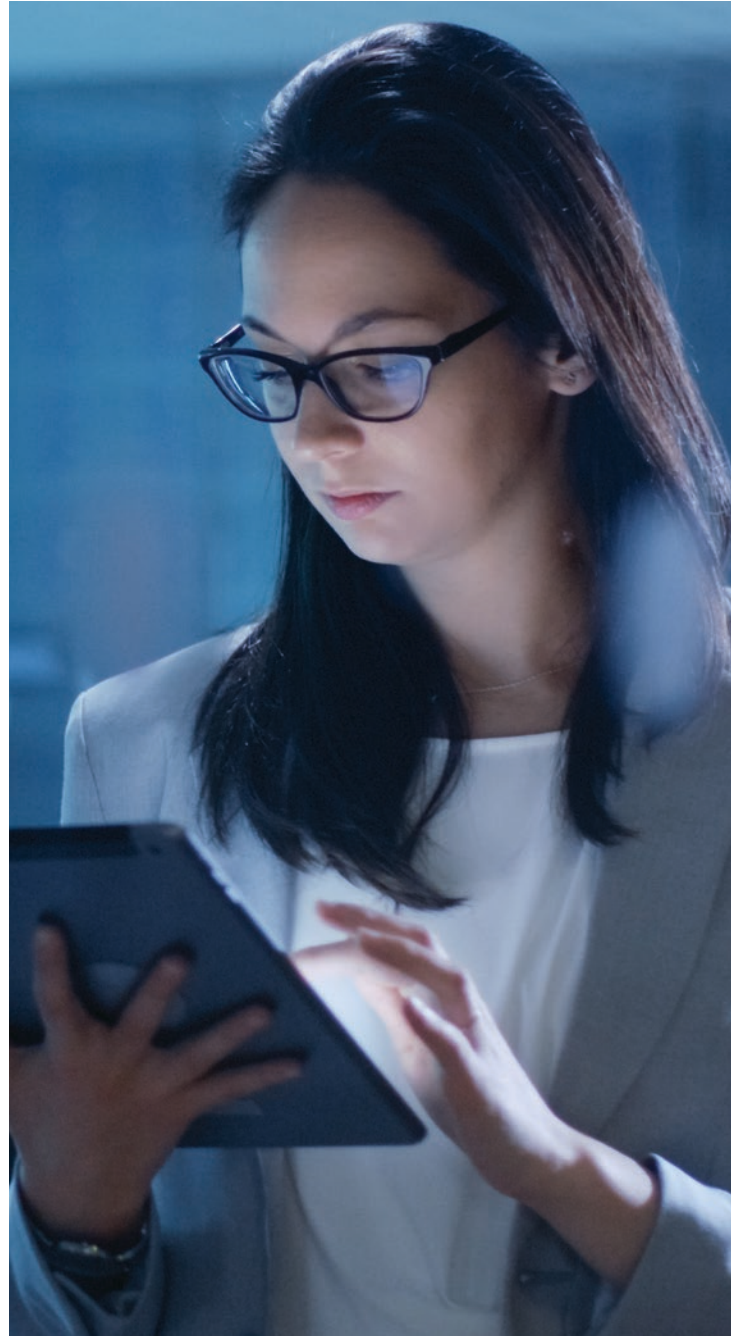
Course Load: 1–2 courses per term

Terms: 10 weeks long

Start Dates: Throughout the year

Delivery: 100% online

Additional Programs

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

PURDUE GLOBAL™

Career and Networking Opportunities

Industry Outlook

- Employment of information security analysts is projected to grow 32% from 2022 to 2032 — much faster than average.[2,3]
- Employment of computer and information systems managers is also expected to grow as organizations seek qualified cybersecurity executives with an advanced degree and experience in the field to lead and protect their critical infrastructures.[3]
- 87% of organizations are experiencing a shortfall of skilled IT security personnel.[4]

Career Pathways and Outcomes[2]

Roles

- 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

Settings/Industries

- Financial services
- Government
- Military
- Manufacturing
- Health care
- Communications
- Transportation

The Center for Career Advancement

Our Career Specialists connect cybersecurity students with job and networking opportunities and offer the following assistance:

- Career assessment/exploration
- Resume and cover letter review
- Interview preparation/mock interviews
- Portfolio development to showcase your skills
- Assistance in building an online presence
- Job search and networking support
- Virtual career fairs

Student Organizations and Honor Societies

- Association for Computing Machinery (ACM) and ACM Women in Computing
- Graduation Information Technology Association (GITA)
- Student Online Annual Research Symposium (SOARS)
- Cybersecurity Club
- Cloud Club

Purdue Global Is Accredited by the Higher Learning Commission

The HLC (HLCommission.org) is an institutional accreditation agency recognized by the U.S. Department of Education.

Military Friendly

We offer reduced tuition rates for servicemembers, veterans, and spouses.

Contact an Admissions Advisor at 844-PURDUE-G or visit PurdueGlobal.edu.