Cybersecurity - a professionally-focused, relevant and practical graduate degree

» Courses are designed to prepare technical professionals and others in the ‘cyber’ fields to fill management and leadership roles in cybersecurity, cyber operations, and/or related organizations in the government or private sector.
» Students gain applicable skills that speak to the needs of the operational cybersecurity workforce in Maryland.
» Cybersecurity is a critical domain of global competition that reaches across social, economic, political and military realms of influence.

When you choose UMBC Professional Programs, you can count on:

» Classes taught by cybersecurity industry experts with significant current professional experience.
» Flexible evening, hybrid, and/or weekend class schedule that accommodates working professionals.
» Wide-ranging resources offered at a top-notch public research university.

Why UMBC?

» UMBC is uniquely positioned to provide education and training that respond to the state’s need for qualified technical professionals in the cybersecurity field.
» For six years running, UMBC was ranked #1 in the U.S. New and World Report’s list of ‘national up-and-coming’ universities, and in 2015 ranked #4 as ‘most innovative schools.’
» UMBC is certified as a National Center of Academic Excellence in Information Assurance/Cyber Defense Education (CAE-IA/CD) as well as a Center of Academic Excellence in Information Assurance/Cyber Defense Research (CAE-R) sponsored by the National Security Agency and Department of Homeland Security (DHS).
» UMBC provides a comprehensive and quality education at a manageable cost.

For Program/Academic Information:
Baltimore:  
Dr. Rick Forno | Program Director  
richard.forno@umbc.edu  
Rockville:  
Dr. Behnam Shariati | Asst. Program Director  
shariati@umbc.edu | 301-738-6019

For Application Information:
Baltimore:  
Lisa Gambino | Assistant Director  
gambino@umbc.edu | 410-455-3034  
Rockville:  
Rickeysha Jones | Program Coordinator  
rcjones@umbc.edu | 301-738-6285

Offered in Baltimore and Rockville
umbc.edu/cyber

Masters in Professional Studies:  
Cybersecurity

Post-Baccalaureate Certificate:  
Cybersecurity Strategy and Policy

Post-Baccalaureate Certificate:  
Cybersecurity Operations
Admission Requirements

M.P.S.:
» A bachelor’s degree in Computer Science, Information Systems, or a related field is preferred
» Minimum undergraduate GPA of 3.0 on a 4.0 scale
» GRE scores are not required for applicants with a degree from an accredited U.S. institution
» Current professional experience in information technology or cybersecurity

Graduate Certificates:
» A bachelor’s degree in any discipline
» Minimum undergraduate GPA of 3.0 on a 4.0 scale
» GRE scores are not required for applicants with a degree from an accredited U.S. institution
» Basic understanding of the internet, networked information systems and information security

International Applicants:
Please visit umbc.edu/cyber/international for detailed admissions requirements for international applicants.

Please pay special attention to English proficiency and testing requirements

Admission Deadlines
Fall: August 1
Spring: December 1

For detailed application process please visit: umbc.edu/cyber

Offered in Baltimore and Rockville. (schedules may vary)

Master’s Program
Master in Professional Studies (M.P.S.): Cybersecurity
30 Credits (10 courses)

Required Courses
18 Credits

- CYBR 620: Introduction to Cybersecurity
- CYBR 623: Cybersecurity Law & Policy
- CYBR 624: Cybersecurity Project
- CYBR 650: Managing Cyber Operations
- CYBR 658: Risk Analysis and Compliance
- ENMG 652: Management, Leadership, and Communication

Elective Courses (Select 4)
12 Credits

- CYBR 621: Cyber Warfare
- CYBR 622: Global Cyber Capabilities and Trends
- CYBR 644: Cyber Practitioner Development Lab
- CYBR 691: Special Topics in Cybersecurity
- CMPE 685: Principles of Communications Networks
- CMSC 644: Information Assurance
- CMSC 652: Cryptography and Data Security
- CMSC 687: Introduction to Network Security
- CMSC 691: Special Topics in Computer Science

Other relevant graduate course(s) approved by the Cybersecurity Graduate Program Director.

Certificate Programs

Post-Baccalaureate Certificate: Cybersecurity Strategy & Policy
Required Courses
(12 Credits)

- CYBR 620: Introduction to Cybersecurity
- CYBR 622: Global Cyber Capabilities and Trends
- CYBR 621: Cyber Warfare
- CYBR 623: Cybersecurity Law & Policy

Post-Baccalaureate Certificate: Cybersecurity Operations
Required Courses (12 Credits)

- CYBR 620: Introduction to Cybersecurity
- CYBR 650: Managing Cybersecurity Operations
- CYBR 658: Risk Analysis and Compliance
- One Additional Cybersecurity Elective

All credits earned in this graduate certificate may be applied to the Master of Professional Studies (M.P.S.): Cybersecurity

Office of Professional Programs
UMBC’s Office of Professional Programs offers a broad array of professionally focused master’s degree and certificate programs that address industry needs while anticipating future opportunities.

umbc.edu/professionalprograms