

Graduate Programs in CYBERSECURITY



Masters in Professional Studies:
Cybersecurity

Post-Baccalaureate Certificate:
Cybersecurity Strategy and Policy

Post-Baccalaureate Certificate:
Cybersecurity Operations

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.



Offered in Baltimore and Rockville
umbc.edu/cyber

For Program/Academic Information:

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Rockville:
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For Application Information:

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Rockville:
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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

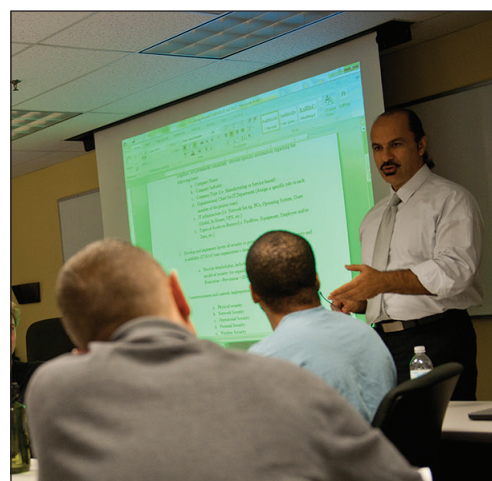
Other relevant graduate course(s) approved by the Cybersecurity Graduate Program Director.

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