Graduate Programs in
CYBERSECURITY

UMBC
AN HONORS UNIVERSITY IN MARYLAND

Master's of 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.

» The 2017 *U.S. News & World Report Best Colleges* guide ranks UMBC in the top five on its closely-watched Most Innovative Schools list and has recognized UMBC as a global leader in higher education.

» 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.

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Offered in Baltimore and Rockville
umbc.edu/cyber

For Program/Academic Information:

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For Application Information:

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Master's Program
Master's of 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

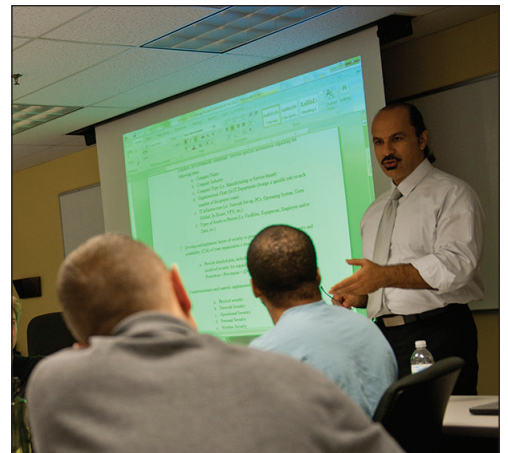|	
CYBR 621: Cyber Warfare	CMSC 644: Information Assurance
CYBR 622: Global Cyber Capabilities and Trends	CMSC 652: Cryptography and Data Security
CYBR 644: Cyber Practitioner Development Lab	CMSC 687: Introduction to Network Security
CYBR 691: Special Topics in Cybersecurity	CMSC 691: Special Topics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

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