



The UMBC Campus. Photos courtesy of UMBC.

At **University of Maryland, Baltimore County**, a Research 1 (R1) university, students study cybersecurity by pursuing a BA or BS, MS, combined BS/MS, or PhD degree through programs in computer science, cybersecurity, computer engineering, and information systems. These degrees are awarded through the Department of Computer Science and Electrical Engineering and Department of Information Systems, where there are tracks in cybersecurity at the undergraduate and graduate levels. UMBC offers scholarships for students to study cybersecurity under the DoD Cybersecurity Scholarship Program (CySP), NSF CyberCorps: Scholarship for Service (SFS), and UMBC CyberScholars.

Undergraduate and graduate students can work with a variety of faculty in their labs spanning all

aspects of cybersecurity—from hardware security, to systems and network security, to mobile/IoT/CPS security, to securing applications. For example, projects at the Cyber Defense Lab include protocol analysis, educational cybersecurity assessment tools, and high-integrity voting systems. The CyberDawgs, UMBC's cyber competition team, took first place in the 2021 Mid-Atlantic Collegiate Cyber Defense Competition (MACCDC).

The interdisciplinary Center for Cybersecurity (UCYBR) at UMBC streamlines the university's cybersecurity-related academic, research, workforce development, and technology incubation activities. It provides Maryland and the nation with cybersecurity leadership, collaboration, innovation, and outreach.

UMBC is known for inclusive excellence. Our undergraduate programs in computing are significantly more diverse than the national averages. For instance, the CyberScholars program is nearly 50% women and 40% students from groups historically underrepresented in computing.

DESIGNATIONS

- CAE-Cyber Defense
- CAE-Research

CONTACT INFORMATION

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Students walk on Academic Row