Why UMBC?

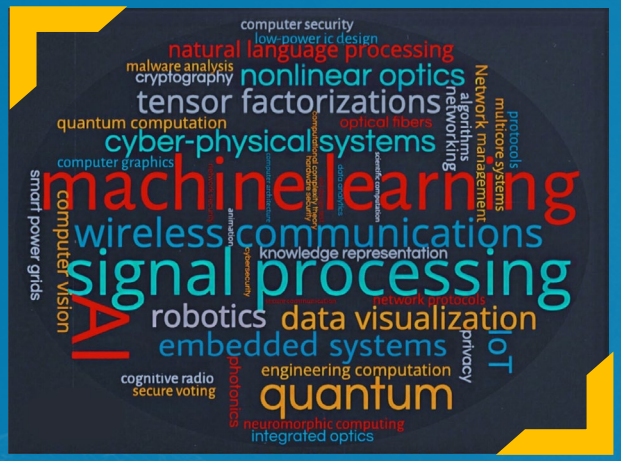
A Globally Respected Research University

US News and Word Report Best Colleges
- Carnegie Research 1 (R1) Institute (high/very high research activity)
- Ranked 14 in Most Innovative Schools
- Ranked 15 for Best Undergraduate Teaching
- Ranked 74 in Public Universities
- Ranked 144 in National Universities
- Ranked 10 in NASA Research Funding Recipients (NASA HERD, 2024)

Why International Students Choose UMBC?

Competitive cost with high ROI

- Centrally located - Just hours from Washington, D.C., Philadelphia, New York City, New Jersey, Virginia, Delaware
- 92% of students are employed or pursuing further study within 6 months of graduation
- Top employers include Amazon, Apple, Cisco, Deloitte, Intel, Microsoft, MITRE, Walmart with an average starting salary of $85-95K
- International student support services offers: 1) Prepare for student visa interview 2) Maintain your visa status



Program Overview

A rigorous and flexible program built for future innovators

PhD
- Computer Science
- Computer Engineering
- Electrical Engineering

MS
- Computer Science
- Computer Engineering
- Electrical Engineering
- Cybersecurity

MPS
- Data Science

Certificates
- Data Science
- Cybersecurity

Graduate Assistantships include funding support and additional responsibilities such as teaching, research, or grading.

Apply here!

UMBC CSEE



A globally recognized STEM program at the intersection of AI, Robotics, ML, Natural Language Processing, Signal Processing, Cybersecurity, Quantum Computing, Communications and Photonics, Hardware Systems, Cyber Physical Systems, Networks, Graphics and Visualization, Data Science and Software Innovation

INNOVATE · TRANSFORM · SUCCEED



The UMBC CSEE Advantage

Largest & Most Prestigious Program at UMBC

- CSEE maintains strong industry partnerships including tech startups in UMBC's Research and Technology Park, the bwtech@UMBC.
- CSEE alumni are employed by prestigious technology innovators.
- 16 of our faculty received the NSF CAREER Award, " NSF's most prestigious award in support of early-career faculty." 30% of all UMBC NSF CAREER awardees are from our department.
- 8 of our faculty are on the 2023 Stanford's List of World's Top 2% Scientists
- 10 of our faculty members are fellows of professional organizations such as the IEEE, ACM, SIAM, SPIE, with a cumulative total of 27 such recognitions.
- For over 20 years, UMBC has been a National Center of Academic Excellence in Cyber Defense Education and Research based on our undergraduate and graduate computer science programs with tracks and research in cybersecurity.



Research Centers

Federal & Institute Funded Research Centers

These centers attract top national and international students at every level to advance state-of-the-art research in AI, robotics, cybersecurity, and other active and emerging technologies.



- CENTAUR: Center for Navigation, Timing & Frequency Research
- CREM: Center for Research in Emergent Technology
- BRAIN: Building Reliable Advances and Innovations in Neurotechnology
- UMBC Center for Artificial Intelligence
- UCYBR – UMBC Center for Cybersecurity
- CARTA: Center for Accelerated Real Time Analytics



From UMBC CSEE to the World

Our distinguished alumni are leading on the global stage

- Gargi Dasgupta, a UMBC alumna with a PhD in CS is featured in Business Today as one of the most "Powerful Women" in India. She is the CTO and Director of IBM Research India.
- Stephanie C. Hill, a UMBC alumna with a degree in CS and economics, is the President of Lockheed Martin's Rotary and Mission Systems, leading a $16 billion enterprise.
- Tina Williams-Koroma '00 CS, was featured in the Baltimore Business Journal's "People on the Move in Baltimore" list. As the leader of CyDeploy, she is driving innovation in cybersecurity and organizational resilience.
- Vince D. Calhoun '02 EE uses advanced data science to uncover brain signatures of health and disease, received the field's Glass Brain Award, and leads a large multi-institutional translational neuroimaging center (TReNDS).

