

# Inclusive Excellence



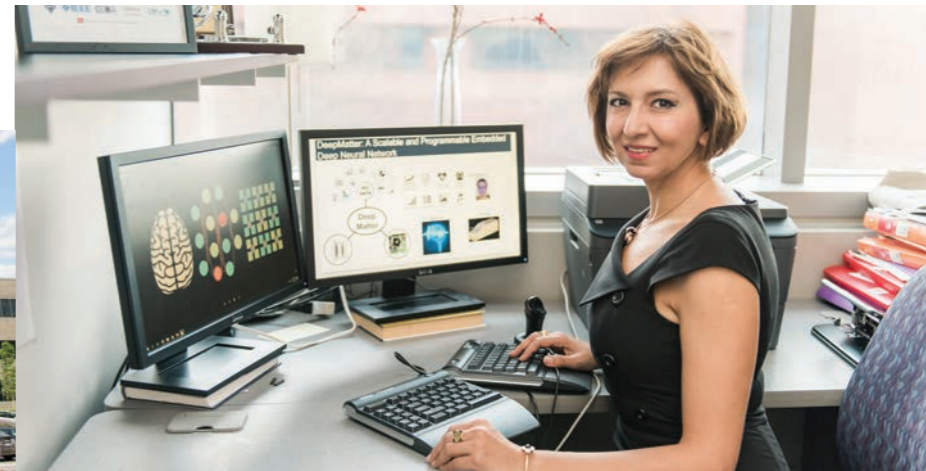
## FAST FACTS

UMBC was established in 1966  
 Full-time Faculty – 533; Minority Enrollment – 45%  
 Student Enrollment in Fall 2016 – 13,640  
 Average Freshman GPA – 3.75  
 48 Majors, 38 Minors, and 25 Certificate Programs  
 24 Ph.D. Programs, 36 Masters, and 17 Graduate Certificates

## ECONOMIC DEVELOPMENT

UMBC's Research & Technology Park – bwtech@UMBC – comprises 525,000 square feet, operates three incubators – cybersecurity, life sciences, and clean tech – houses 135 tenants, and supports 1,500 jobs.  
 UMBC's Express License Agreement reduces the burden for faculty to start a company.  
 UMBC's Technology Catalyst Fund provides support to advance innovations from faculty research.  
 UMBC faculty are highly successful contributors to TEDCO's Maryland Innovation Initiative – 25 projects awarded and 8 companies founded.

## Innovation That Matters



## RESEARCH CULTURE

Vibrant, interdisciplinary, and collaborative, with a national reputation for integrating undergraduates in mentored research.  
 Well aligned with regional and national priorities – Environment, Health, National Security, and Education.  
 Our most successful and impactful research efforts are often based on collaborations, across the campus, with other academic institutions, and with external partners.

**UMBC50**  
 GRIT & GREATNESS

**UMBC**  
 AN HONORS UNIVERSITY IN MARYLAND

[research.umbc.edu](http://research.umbc.edu)

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## NATIONAL RECOGNITION

UMBC is ranked #5 among the Nation's "Most Innovative Schools," according to *U.S. News & World Report* in its 2017 Best Colleges Guide, joining Stanford and MIT in the Top Five.

UMBC is ranked among the Top 20 National Universities with a particularly strong commitment to undergraduate teaching according to the 2017 Best Colleges Guide by *U.S. News & World Report*.



## KEY RESEARCH THEMES

### Computer Information Sciences & Engineering

- Cybersecurity
- Health IT
- Cognitive Computing & Analytics
- Big Data

### Environmental Sciences & Engineering

- Atmospheric Physics & Remote Sensing
- Ecology & Remediation

### Life Sciences & Biotechnology

- Bio Sciences & Engineering
- Marine Biotechnology

### Social Sciences

- Health Equity
- Policy Studies

### Arts & Humanities

- Public Humanities & Arts
- Intercultural Communications



## MEANINGFUL PARTNERSHIPS

### UMBC/NASA Partnership

- Three major Cooperative Agreements with NASA Goddard Space Flight Center
- UMBC is ranked among the Top 20 U.S. universities in NASA funding

### UMBC/UMB Partnership

- Joint Degree Programs
  - Graduate Program in Biochemistry & Molecular Biology
  - Ph.D. Programs in Gerontology and in Biostatistics
  - Dual-Campus School of Social Work

- Research & Innovation Partnership Seed Program

- Shared Research Facilities

### UMBC/MITRE Partnership

- Academic Partner Institution on NIST National Cybersecurity Center of Excellence FFRDC

### UMBC/Downtown Baltimore Partnership

- Institute for Marine & Environmental Technology
- 2015 Imagining America national conference
- 2016 Light City Baltimore

## HONORS & AWARDS

### National and International Recognition

2016 *National Academy of Sciences Member* – Michael Summers, Chemistry & Biochemistry

UMBC Faculty have received 34 NSF CAREER Awards since 1995 – including three in 2017 to Tinoosh Mohsenin and Ting Zhu in Computer Science & Electrical Engineering, and Lee Blaney in Chemical, Biochemical, and Environmental Engineering.

2016 *Carnegie Fellow* and 2015 *ACLS Research Fellowship* – Kate Brown, History

2015 *DOE Early Career Award* to Jeffrey Gardner in Biological Sciences

2014 *NIH Early Career Development Award* to Danielle Beatty Moody in Psychology

Alexander von Humboldt Research Awards to Michael Nance, Philosophy in 2016 and to Curtis Menyuk, Computer Science & Electrical Engineering in 2015

## COMMUNITY ENGAGEMENT

UMBC is located 15 minutes from Baltimore's Inner Harbor and 30 minutes from Washington, D.C.

UMBC is a dynamic public research university integrating teaching, research, and service to benefit the citizens of Maryland.

UMBC emphasizes science, engineering, information technology, human services, and public policy at the graduate level.

