UMBC ACHIEVEMENTS

The University of Maryland, Baltimore County's commitment to innovative teaching, relevant research, and supportive community empowers and inspires inquisitive minds. UMBC combines the learning opportunities of a liberal arts college with the creative intensity of a leading research university.

RANKINGS

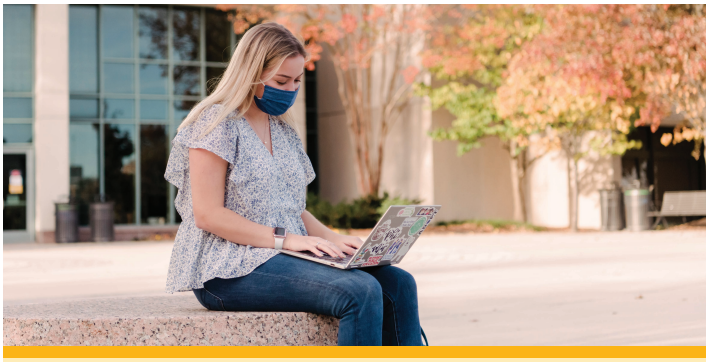
- **National leader in innovation (#9) and undergraduate teaching (#11) (*U.S. News & World Report*)**
- **Leading world university, including in social and economic impact (*Times Higher Education*)**
- **Top graduate programs in public policy, psychology, statistics, physics, computer science, chemistry, fine arts, and more (*U.S. News & World Report*)**
- **Global leader in geosciences and space science (*U.S. News & World Report*)**
- **"Best Value" university (*Princeton Review, Kiplinger's Personal Finance, Forbes, Money,* and *Fiske Guide to Colleges*)**
- **#1 producer of African American undergraduates who go on to complete an M.D./Ph.D. and #2 nationally for African American undergraduates who complete a STEM Ph.D. (NSF)**
- **Top-100 public university in federal research and development expenditures (NSF)**
- **National leader in NASA funding (#15) and federal funding for social sciences (#30) and geosciences, atmospheric sciences, and ocean sciences (#39) (NSF)**
- **"Best College to Work For" for over a decade (*Chronicle*)**

RESEARCH AND CREATIVE ACHIEVEMENT

- UMBC faculty secured over $81M in extramural awards in FY20 and UMBC's R&D expenditures reached $84M.
- Faculty research is supported by the NIH, NSF, NASA, NOAA, DOE, ONR, USDA, NEH, NEA, ARL, AFOSR, Andrew W. Mellon Foundation, Alfred P. Sloan Foundation, Google, Northrop Grumman, IBM, Amazon Web Services, Merck, Morgan Stanley, Microsoft, the State of Maryland, and more.
- Several faculty are leading COVID-19-related research and community-engaged projects. Topics include rapid COVID-19 testing, predicting hospitalization risk, speeding detection through machine learning, antiviral treatments, COVID-19-related discrimination against Chinese Americans, archiving pandemic experiences, and expanding internet access in Baltimore during COVID-19.
- Substantial grants supported work on topics such as improving math teacher education ($3M from NSF), nuclear fusion energy ($4M from U.S. Dept. of Energy), genetic control of regeneration ($1.9M from NIH), and supporting workers returning to community college ($1.4M from U.S. Dept. of Education).
- UMBC's Center for Urban Environmental Research and Education (CUERE) received a $4.8M Critical Zone Collaborative Network grant from NSF to lead a nine-institution team in research on the health of urban ecosystems.
- The American Institute of Aeronautics and Astronautics named UMBC's Hyper-Angular Rainbow Polarimeter (HARP) Small Satellite Mission of the Year.
- UMBC faculty published numerous books in 2020, including 14 in the humanities alone, such as *Easy Living: The Rise of the Home Office* by Elizabeth Patton and *Blood on the River* by Marjoleine Kars, featured as one of NPR's best books of 2020.

INNOVATION IN TEACHING AND LEARNING

- With classes largely online during COVID-19, over 120 former students who previously paused their studies re-enrolled at UMBC through the Finish Line initiative. Some had been away from college for up to a decade. UMBC celebrated the first Finish Line graduates in December 2020.
- UMBC programs at the Universities at Shady Grove continue to expand. The new Translational Life Science Technology program graduated its first students in December 2020 and was named Biobuzz Workforce Champion of the Year.
- UMBC's new Academic Success Center and Academic Advocates provide centralized help for undergraduates to tackle personal, academic, and financial challenges, supporting their degree progression.
- UMBC received a $7.7M Undergraduate Research Training Initiative for Student Enhancement (U-RISE) NIH grant to support the next generation of STEM leaders through mentoring, community-building, and financial support.
- UMBC guides students to international learning opportunities as a Fulbright Top-Producing Institution and through international collaborations, including a new partnership with the Korean Ministry of Education.



Pivoting to meet online learning needs

When UMBC courses moved online during COVID-19, more than 600 faculty trained through summer 2020 to create engaging, high-quality virtual classroom experiences for students. Graduate and undergraduate students provided essential input on content and delivery to make for richer online courses. In October 2020, 83% of students reported overall satisfaction with their online courses. Most graduate students described UMBC advisors, mentors, and supervisors as supportive, approachable, and responsive.

UMBC alumnae researchers tackle COVID-19
Kizzmekia Corbett '08, M16, has served as scientific lead for the NIAID team that developed the NIH-Moderna vaccine against COVID-19. Kaitlyn Sadtler '11 is leading an NIH study to estimate how many people in the U.S. have been infected with COVID-19, including asymptomatic people.

STUDENT EXPERIENCE

Student Enrollment (Fall 2020): 13,497 (10,932 undergraduate, 2,565 graduate)

Freshman Class Profile (Fall 2020): average GPA: 3.92; average SAT: 1251 (two-part)

- UMBC students pursue applied learning in huge numbers, and these experiences have an impact: 90% of new grads head directly to a job, advanced degree, or both. Of those employed, half interned or worked for their employer as a student. In the most recent annual data, over 6,500 students and alumni connected with the Career Center, over 3,300 received career coaching, and nearly 2,000 students interned (73% paid).
- Students regularly receive highly competitive awards, recently including Goldwater Scholarships, Newman Civic Fellowships, NASA graduate student fellowships, and Fulbright awards.
- UMBC's men's and women's swimming and diving teams won the 2020 America East championship and second-place, respectively. Elite 18 Award winner Ilia Rattsev '20 became the first America East swimmer to sweep the freestyle sprints in three consecutive years.
- UMBC undergraduate and graduate student teams won the USM COVID-19 app challenge with apps to support the healthcare of people with COVID-19 and to connect residents with restaurant options as dining policies change during the pandemic. A UMBC alumnus won the USM public health video challenge.
- The UMBC Cyber Dawgs took first place in the Mid-Atlantic Collegiate Cyber Defense Competition. UMBC Mock Trial's Sydney Gaskins '21 was runner-up in the national Trial By Combat competition.

COMMUNITY AND EXTENDED CONNECTIONS

- The Sherman STEM Teacher Scholars Program has launched an intensive virtual math tutoring program for students at nine Baltimore City public schools.
- The bwtech@UMBC Research and Technology Park houses 131 companies and organizations that employ nearly 1,900 people and have generated $700M in labor income and business sales. bwtech created the Maryland New Venture Fellowship for Cybersecurity with a grant of nearly $600,000 from the U.S. Dept. of Commerce plus matching funds from partners.
- UMBC is collaborating with MxD to develop a cybersecurity curriculum for workers in manufacturing.
- UMBC leaders serve in prominent roles with groups such as the Association of Public and Land-grant Universities, GRE Board, Maryland Career Consortium, Maryland Juvenile Justice Reform Council, Maryland Association on Higher Education and Disability, National Association of College and University Business Officers, EDUCAUSE, and the National Academies.
- UMBC alumni serve as leaders at all levels, including Adrienne Jones '76, speaker of the Maryland House of Delegates; Letitia Dzirasa '03, M11, Baltimore City health commissioner; and Ralph Semmel, Ph.D. '92, director of the Johns Hopkins University Applied Physics Laboratory.
- UMBC produces top K–12 educators, including alumni earning Teacher of the Year honors.
- UMBC finished ninth in the national 2020 ALL IN Campus Democracy Challenge.
- "Grit & Greatness: The Campaign for UMBC" has raised more than $141M toward UMBC's $150M goal.

Two Rhodes Scholars in three years
Sam Patterson '21, M29, became the second student in UMBC history to receive a Rhodes Scholarship. He will pursue an M.Sc. in Nature, Society, and Environmental Governance at Oxford, focusing on the economics of transportation. He continues the legacy of UMBC's first Rhodes Scholar, Naomi Mburu '18, M26.

BEST COLLEGES U.S.News & WORLD REPORT NATIONAL UNIVERSITIES UNDERGRAD TEACHING 2021

BEST COLLEGES U.S.News & WORLD REPORT MOST INNOVATIVE 2021

Carnegie Foundation Elective Community Engagement Classification

2020 GREAT COLLEGES TO WORK FOR

2020-2021 FULBRIGHT PROGRAM 75 TOP PRODUCER STUDENT PROGRAMS

Updated March 2021