

A DISTINCTIVE COMMUNITY OF INQUIRING MINDS

- National leader in innovation (#6) and undergraduate teaching (#6) (*U.S. News & World Report*)
- A leading world university, including in social and economic impact (*Times Higher Education*)
- Two Rhodes Scholar recipients and two finalists in the past five years
- Top graduate programs in psychology, engineering, statistics, physics, biological sciences, 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, Forbes, Money, and Fiske Guide to Colleges*)
- Nation's #1 producer of Black undergraduates who go on to complete a Ph.D. in the natural sciences or engineering and #1 for Black undergraduates who complete an M.D./Ph.D.
- National leader in annual NASA funding (#13) (NSF)
- Among the top universities in federal support for geosciences, atmospheric sciences, and ocean sciences (#36); social sciences (#46); computer and information sciences (#55); and physical sciences (#57) (NSF)
- #101 top public institution for federal R&D expenditures (NSF)
- APLU Gold Award in Leadership and Pervasiveness for Internationalization
- "Best College to Work For" for over a decade (*Chronicle of Higher Education*)



TWO RHODES SCHOLAR RECIPIENTS AND TWO FINALISTS IN THE PAST FIVE YEARS

In 2017, Naomi Mburu '18, M26, chemical engineering, became the first student in UMBC history to receive the prestigious Rhodes Scholarship. In 2020, Sam Patterson '21, M29, mathematics, statistics, and economics, was named just one of 32 American students to win the award.

WHAT'S NEW AT UMBC



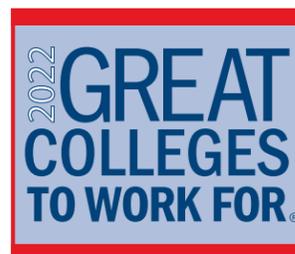
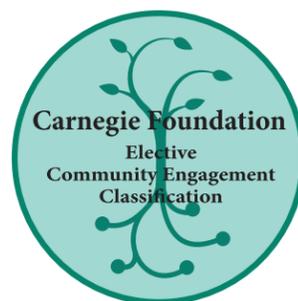
August 2022

The University of Maryland, Baltimore County's commitment to innovative teaching, public impact research, and supportive community empowers and inspires inquisitive minds. UMBC combines the learning opportunities of a liberal arts college with the creative energy and impact of a leading Research 1 (R1) university.

UMBC ascends to the nation's highest level as a research university

In spring 2022, UMBC officially reached the nation's highest level of research performance. The Carnegie Classification of Institutions of Higher Education announced that UMBC has been placed into the category of doctoral universities with very high research activity, popularly known as R1. UMBC is now ranked as one of only 146 R1 institutions nationally, including 107 public and 39 private universities. UMBC's research enterprise has grown steadily over the course of decades, ascending to new heights in recent years. Faculty secured more than \$200M in new research awards in 2021 alone.

"This historic moment for our campus is an outcome of long-term strategic priorities and investments in the research and creative achievement community at UMBC—people, facilities, and programs," says **Karl Steiner**, vice president for research. "It is essential to recognize that this reflects the work of our entire campus community, including engineering, natural sciences, social sciences, arts, and humanities. UMBC faculty from all fields successfully compete for research funding and national recognition at the highest level."



Dr. Valerie Sheares Ashby joined UMBC as president on August 1, 2022. She previously served as dean of Duke University's Trinity College of Arts & Sciences, since 2015, and prior to that was a professor and chair of chemistry at UNC-Chapel Hill, where she launched one of the earliest Meyerhoff Scholars replication pilots. As a researcher, she has focused on synthetic polymer chemistry with an emphasis on designing and synthesizing materials for biomedical applications.

INNOVATION IN TEACHING AND LEARNING

- Based on a strong record of success, UMBC's Academic Success Center and Academic Advocates have expanded to include first-year, transfer, and peer advocate programs, providing centralized help for undergraduates to tackle personal, academic, and financial challenges.
- At the Universities at Shady Grove, UMBC received a nearly \$1M grant from the National Institute for Innovation in Manufacturing Biopharmaceuticals (NIIMBL) to create a new, short-term biomanufacturing training program.
- UMBC launched the EDUCATE Scholars program, funded by the National Institute on Drug Abuse, to develop the next generation of addiction researchers, and the Beckman Scholars program for students aspiring to become physician scientists.
- To support our growing number of returning students, UMBC will offer a new flexible bachelor's degree in individualized studies, multidisciplinary studies track. UMBC launched Finish Line in 2020 to encourage former students to re-enroll and complete their degrees online during the pandemic. From fall 2020 through spring 2022, 289 students returned through Finish Line; 176 have since earned their degrees.
- The National Institutes of Health awarded UMBC \$5.6M for the Graduate Research Training Initiative for Student Enhancement (G-RISE), supporting underrepresented graduate students in STEM.
- COEIT is launching a second undergraduate program at Universities at Shady Grove – mechanical engineering – joining computer science and 11 other bachelor's and master's degree programs at the Montgomery County campus.



BROOMES NAMED UNIVERSITY INNOVATION FELLOW

Ashley Broomes, project coordinator for the Division of Undergraduate Academic Affairs, was named UMBC's first University Innovation Alliance Fellow. Through this program, Broomes will participate in professional development activities to ready her for leadership positions guiding university transformation toward the elimination of equity gaps for historically marginalized student populations.

COMMUNITY AND EXTENDED CONNECTIONS

- The Baltimore Field School project has received an ACLS grant (supported by the National Endowment for the Humanities), in addition to prior funding from the Andrew W. Mellon Foundation, to build more ethical and sustainable frameworks for engagement between local communities and academia.
- UMBC and the State of Maryland launched the Maryland Institute for Innovative Computing to address pressing challenges related to computing, analytics, and workforce in state agencies, with a focus on cybersecurity, artificial intelligence, and data science.
- With support from the UMBC community and partners, the Grit & Greatness Campaign surpassed its \$150 million goal, bringing in more than \$189 million to empower our work of making big breakthroughs, forging true partnerships, and transforming lives.
- The bwtech@UMBC Research and Technology Park houses over 130 companies, 19% of which are female-owned and 35% minority-owned. Park tenants employ more than 1,900 people and carry an economic impact close to \$500 million.
- UMBC leaders serve in prominent roles with groups such as the Association of Public and Land-grant Universities, GRE Board, Council of Graduate Schools, American College Personnel Association, National Academic Advising Association, Maryland Career Consortium, Maryland Juvenile Justice Reform Council, Maryland Association on Higher Education and Disability, EDUCAUSE, AASCU's American Democracy Project, and the National Academies.



\$21M SHERMAN FAMILY FOUNDATION GIFT SUPPORTS UMBC'S BOLD COMMITMENT TO PREK-12 RESEARCH, TEACHING, AND LEARNING

UMBC received its largest-ever gift—\$21M from the Sherman Family Foundation—to dramatically expand the reach and impact of the university's K-12 and early childhood education work, launching the Betsy & George Sherman Center for Early Learning in Urban Communities as a national model to advance excellence in urban schools.



SOUNDTRACK TO ENVIRONMENTAL CHANGE

Through a collaborative biodiversity study with the National Aquarium and the Institute of Marine and Environmental Technology (IMET), Steven Bradley has created Bio-Buggy: Ear to the Harbor, which draws attention to the harm that human-generated noise pollution inflicts on aquatic species, including disrupting mating and growth.

RESEARCH AND CREATIVE ACHIEVEMENT

- The Andrew W. Mellon Foundation has granted \$3 million to launch Breaking the M.O.L.D., developing a pipeline to higher ed leadership for arts and humanities scholars, focusing on associate and full professors from underrepresented groups. Dean Kimberly Moffitt and Vice Provost Patrice McDermott lead the work at UMBC. Partners include Morgan State University and the University of Maryland, College Park.
- Four UMBC faculty and staff members received highly competitive Fulbright awards to conduct research and establish important connections around the world during the 2022 - 2023 academic year. They include Shimei Pan, associate professor of information systems; Corrie Parks, assistant professor of visual arts; Tiffany Thames Copeland, adjunct faculty in Africana studies; and Nancy Young, vice president for student affairs.
- UMBC faculty submitted over \$530M in proposals in FY21, secured over \$114M in new extramural awards in FY22, and had over \$87M in extramural expenditures in FY22.
- UMBC received \$20M through a \$68M partnership with UMD and the Army Research Lab to make Army artificial intelligence technology more secure, effective, and resilient.
- Among numerous UMBC faculty awards, George Derek Musgrove '97, associate professor of history, was named a 2022 Andrew Carnegie Fellow for research on Black political movements in the U.S.
- NASA committed \$110M in new awards to support UMBC research through the Goddard Earth Sciences Technology and Research (GESTAR II) center, Center for Space Sciences and Technology (CSST), and Heliophysics and Space Environment Research (PHaSER).
- The Smithsonian National Museum of Natural History named Erle Ellis's research on how humans have shaped Earth's ecology for 12,000 years one of its top ten discoveries of 2021.
- NSF awarded \$13M to launch iHARP, a UMBC-led climate-focused NSF data science institute that will examine polar ice melt and sea level rise.
- Substantial grants supported work on topics such as scaling up land-based salmon aquaculture, genetic architecture of spider glues, and improving data-driven diagnosis of mood disorders.

STUDENT EXPERIENCE

- UMBC will welcome its largest-ever class of first-time, first-year students in fall 2022, surpassing a record set just last year.
- A record-setting 2,100 international students from more than 100 countries are enrolled at UMBC. International enrollment increased more than 70% between fall 2021 and fall 2022.
- UMBC students pursue applied learning in huge numbers, and these experiences have an impact. Among the Class of 2022, 91% of new grads head directly to a job, advanced degree, or both. Of those employed, 55% interned or worked for their employer as a student.
- UMBC will also welcome more than 1,100 new graduate students in fall 2022, a more than 55% increase over the previous year.
- UMBC softball captured its third consecutive America East title, with standout pitcher Courtney Coppersmith '22, biochemistry and molecular biology, earning America East "Woman of the Year" honors, the first in UMBC history. Men's swimming and diving reclaimed their America East Championship title and earned their 13th title win out of 15 appearances. Women's volleyball defended their America East title and advanced to the NCAA championship. Women's swimming and diving took home second place.



HALEEMAT ADEKOYA RECEIVES PRESTIGIOUS TRUMAN SCHOLARSHIP FOR EDUCATION ADVOCACY

Political science major Haleemat Adekoya '23 has long been an education advocate, serving on the Maryland Higher Education Commission, working with the Maryland State Dept. of Education, and as a Sherman STEM Teacher Scholar at UMBC. Her selection as one of just 58 Truman Scholars nationwide reflects this commitment.