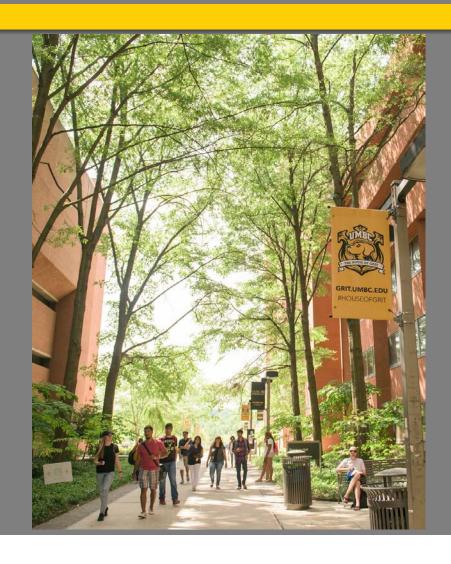
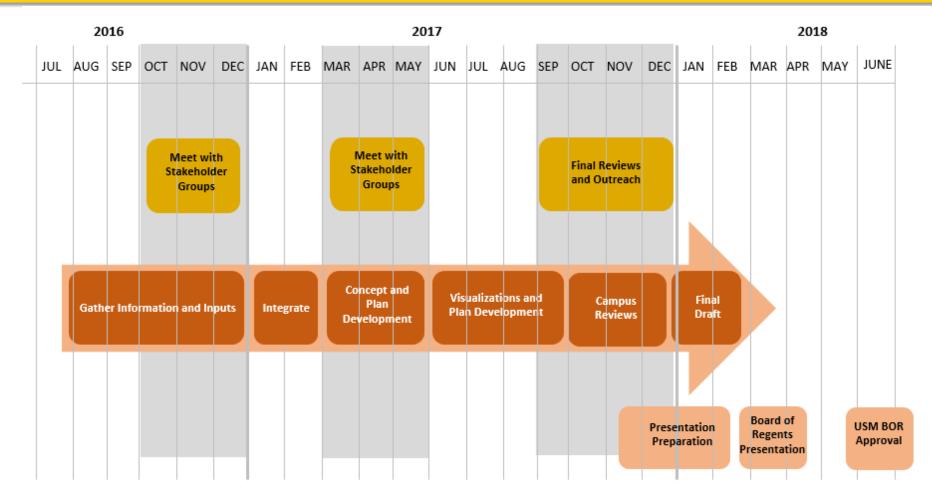
Realizing the Vision

2018 Facilities Master Plan University of Maryland, Baltimore County



- Framework for orderly growth, linked to university mission and strategic plan
- Development plan for building renewals, new buildings, utility upgrades, and site improvements
- Strategy to address challenge of climate change
- Basis of capital plan





- 1 Align campus development with UMBC's strategic plan.
- Provide for **enrollment growth** in an intentional manner.
- 3 Assure the campus is **welcoming** and accessible.
- 4 Promote **meaningful interactions** through thoughtful planning.



- 6 **Optimize** utilization of existing resources.
- Tencourage interdisciplinary scholarship and research through purposeful adjacencies.



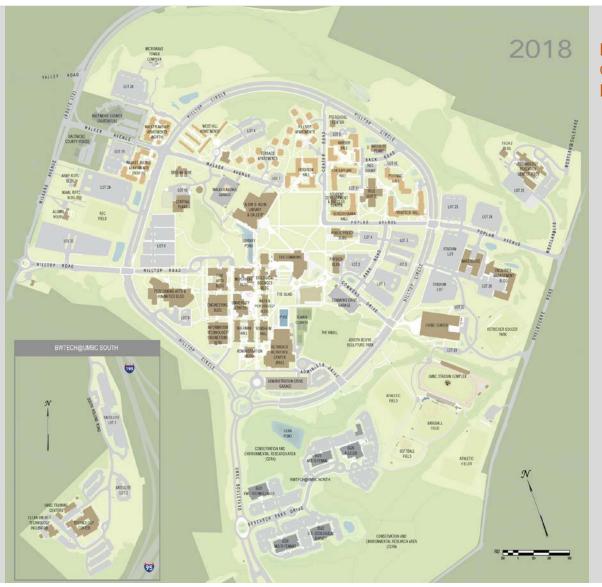












UMBC Today

UMBC 2018 Facilities Master Plan



Most Innovative Schools

- 1. Arizona State University—Tempe
- 2. Stanford University
- 3. Massachusetts Institute of Technology
- 4. Georgia State University
- 5. Carnegie Mellon University
- 6. Northeastern University

7. UMBC

- 8. University of Michigan—Ann Arbor
- 9. Harvard University
- 10. Duke University
- 10. Portland State University
- 12. California Institute of Technology

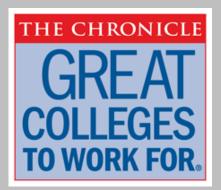


Best Undergraduate Teaching

- 1. Princeton University
- 2. Dartmouth College
- 3. Brown University
- 3. Rice University
- 5. Miami University-Oxford
- 6. University of Michigan—Ann Arbor
- 7. College of William and Mary
- 8. Georgia State University
- 9. Stanford University
- 10. Duke University
- 11. Yale University
- 12. Wake Forest University

13.UMBC

- 14. Indiana University—Bloomington
- 15. University of Wisconsin—Madison
- 16. Vanderbilt University



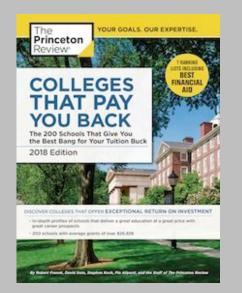
"Honor Roll" excelled in nearly every measured category



"Best Value University" for 8th year in a row



Top 2% of Universities Worldwide



"for students seeking a superb education with great career preparation and at an affordable price"



One of the World's Top Universities for 6th consecutive time

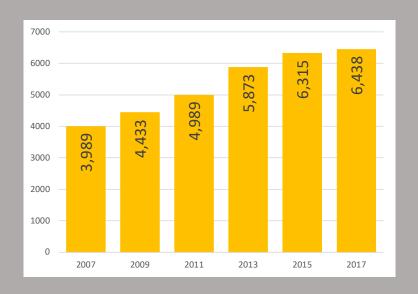


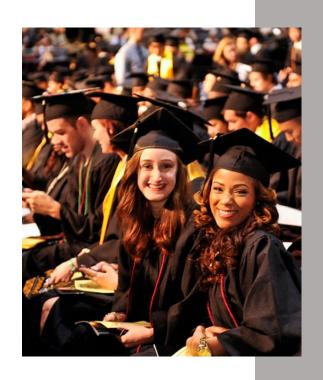




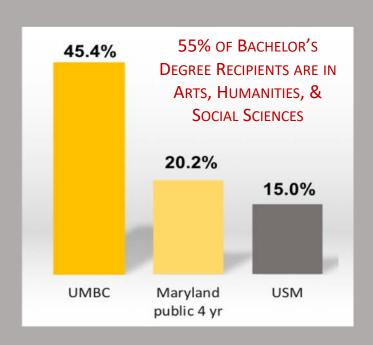


UNDERGRADUATE STEM ENROLLMENT





STEM BACHELOR'S DEGREE RECIPIENTS





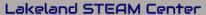
Teachers of the Year

Washington Post
Sean Pang '09, '11 (2017)
Shalonda Holt '07 (2016)
Baltimore County
Corey Carter '08, '10



Lakeland Partnership

Sherman Family Foundation Lakeland Elementary Lakeland Middle School Southwest Baltimore







Whiting Fellowship

Denise Meringolo, Professor of History for Baltimore Uprising public history project





Proscenium Theatre

Black Box Theatre

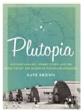
Concert Hall

Dance Cube





















Kate Brown, Professor of History 2016 Carnegie Fellow for nuclear disaster research 2016 Berlin Prize Fellowship

Anne Sarah Rubin, Professor of History and Associate Director of the Imaging Research Center eLincoln Prize James Harvey Robinson Prize

George Derek Musgrove '97, Assoc. Professor of History

Author of Chocolate City: A History of Race and Democracy in the Nation's Capital

Jessica Berman, Director of Dresher Center for the Humanities

The Inclusion Imperative supported by the Andrew Mellon Foundation







Govind Rao, Professor of Chemical, Biochemical, & Environmental Engineering and Director of Center for Advanced Sensor Technology

2017 Pioneer Award, Technologies Saving Lives & Empowering Patients Portable bioreactors to rapidly manufacture medicines Affordable incubator for vulnerable newborns in low-resource areas

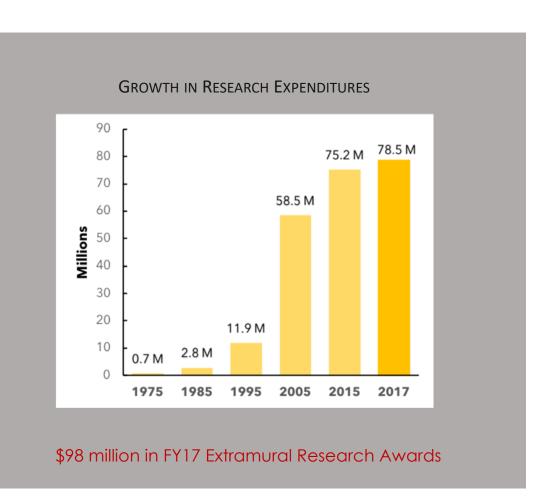


Gymama Slaughter, Associate Professor of Computer Science & Electrical Engineering Human-Powered Biosensors (\$400,000 NSF CAREER Award) Bioreactors for Life-Saving Organ Transplants (\$1.5M from U.S. Army Medical Research and Materiel Command)











UMBC/UMB Partnership

Joint Degree Programs

- Graduate program in biochemistry and molecular biology
- Ph.D. programs in gerontology and in biostatistics
- Dual-Campus School of Social Work

Institute of Marine and Environmental Technology (IMET)

Center for Brain Imaging Research (CBIR)

UMBC-UMB Research and Innovation Partnership Seed Grant Program

Nuclear Magnetic Resonance Core Facility





bwtech@UMBC North

- Three incubators focused on cybersecurity, life sciences, and clean technology
- 130 companies
- 50% focused on cybersecurity and IT
- Over 1,600 direct jobs and 2,500 indirect jobs
- 1,000 annual student internships
- More than 25% of CEOs are minorities and 30% are women

UMBC GENERATES:



78,000 JOBS STATEWIDE, including jobs held by alumni. (3% of jobs in Maryland)



\$7.8 BILLION in household income (4% of Maryland HHI)



\$531 MILLION in state and local government taxes

Nearly 70% of our 70,000 alumni live in Maryland.

Source: Anirban Basu, Sage Policy Group report (2016)

Making History!

UMBC 2018 Facilities Master Plan



UMBC defeats Vermont to win a bid to the NCAA men's basketball tournament

The New York Times

Cinderella Story? It's True for U.M.B.C. in Academics, Too

By ERICA L. GREEN MARCH 17, 2018





Dan Rather ©theDanRather ©theDanRather ©theDanRather Top Comments | Not like | Share | Not | Not

THE BALTIMORE SUN

Never heard of UMBC? MIT has. And Cal Tech. And Harvard. And Stanford...



The Washington Post

UMBC called 'Surgeon General approved' after upset

By Associated Press March till

Seth Davis apologizes after getting roasted by UMBC's Twitter account



L'ÉQUIPE

UMBC signe l'exploit du siècle dans le tournoi NCAA

Publié le samedi 17 mars 2018 à 10:18 | Mis à jour le 17/03/2018 à 11:40

En écrasant Virginia vendredi (74-54), UMBC, une université basée dans le Maryland, est devenue la première de l'histoire à éliminer d'entrée une équipe classée tête de série n°1.

By Dan Steinberg March 17 🚾 Email the author

You'll find UMBC alumni making a difference at all levels—in Baltimore, across Maryland, and on the national stage.











U.S. Surgeon General **Jerome Adams '97, M4**

President
Clemson University
James Clements '85, M.S. '91, Ph.D. '93

Director, Applied Physics Laboratory Johns Hopkins University Ralph Semmel, Ph.D '92

Vice Provost for Information Technology and Cl Johns Hopkins University **Stephanie Reel '85**

Dean of the School of Dentistry University of Maryland Mark A. Reynolds '78











President and CEO
Winthrop Rockefeller Foundation
Sherece West-Scantlebury, Ph.D. '07

President/CEO
Associated Black Charities
Diane Bell McCoy '73

Co-founder and Chair, Betamore Chair, Baltimore Angels **Greg Cangialosi '96**

Founder and CEO, Center for Urban Families Joseph T. Jones, Jr '06

Vice President & General Manager at Lockheed Martin RMS—Cyber, Ships & Advanced Technologies Chair, Greater Baltimore Committee Stephanie Hill '86 You'll find UMBC alumni making a difference at all levels—in Baltimore, across Maryland, and on the national stage.









Speaker Pro Tem Maryland State Delegate **Adrienne Jones '76**

Maryland State Delegate **Haven Shoemaker '87**

Maryland State Delegate Charles Sydnor III, M.P.R. '00

Delegate
Mark Chang '99









Chief of Staff
Office of the Governor,
Matt Clark '00

Deputy Chief of Staff, Office of the Governor, **Tiffany Robinson '97**

Maryland State Senator

James Mathias '74

Howard County Executive **Allan Kittleman '81**

UMBC BY THE NUMBERS FALL 2017



13,662 students



faculty and staff



4.0 million gross square feet (GSF)



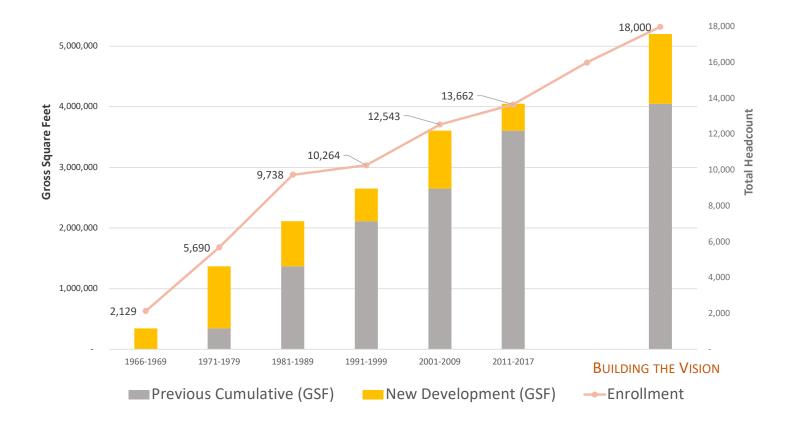
73 buildings main campus

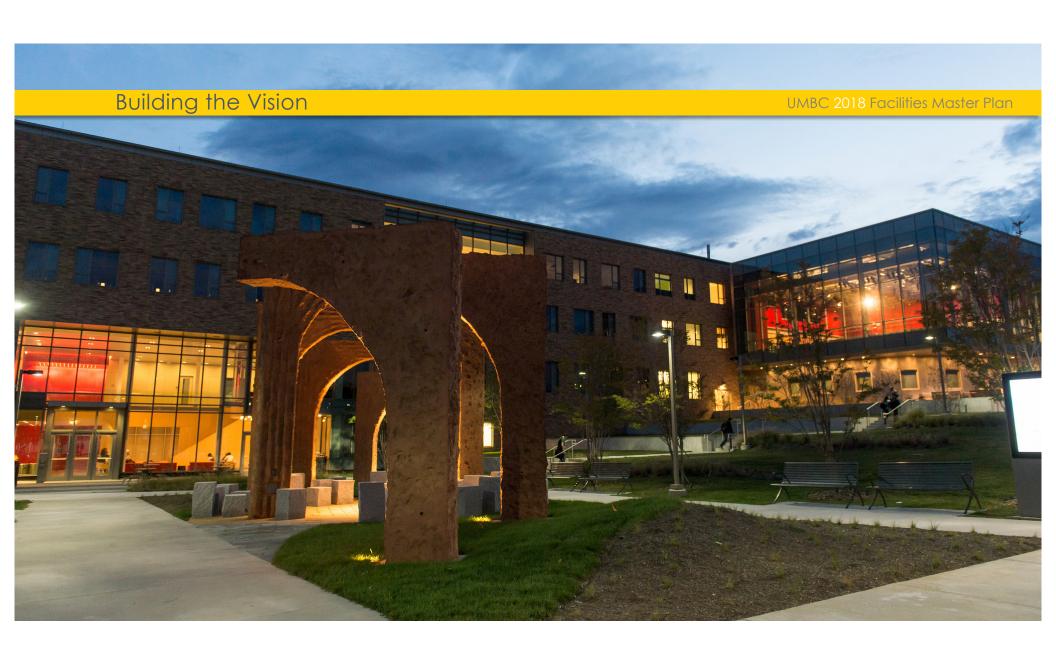


highly residential freshmen/undergraduates living on campus



4,000 beds in residential communities

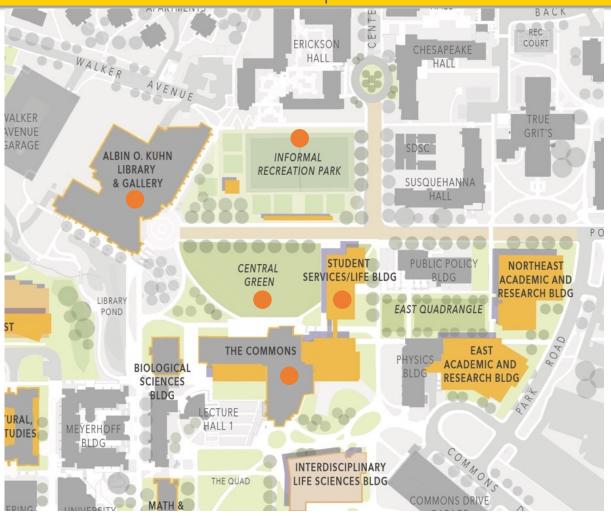








Vitalize the Heart of the Campus



New Informal Recreation Park

The Commons Renovation and Addition

New Student Services/Student Life Building

Central Green

AOK Library & Gallery Renewal













Framing an Improved Central Green













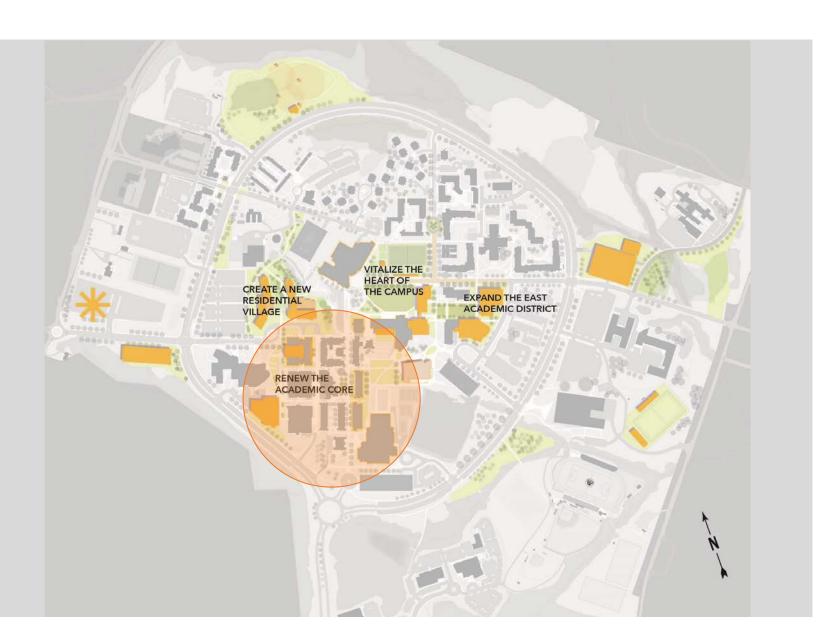


24 HR STUDY • recharge commons

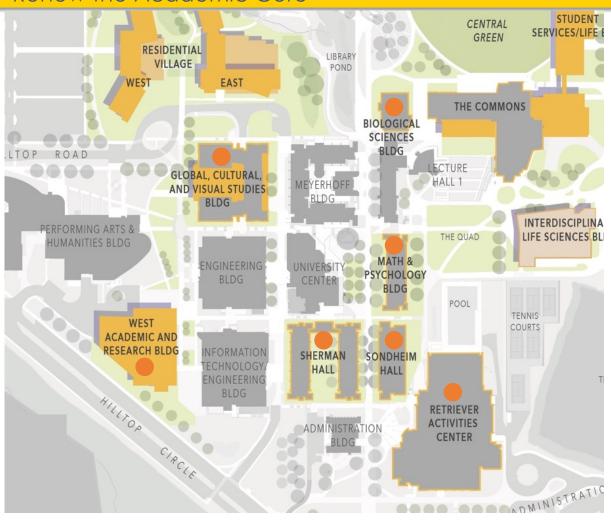
focus • Faculty and Graduate Research

3D design and printing • collaborate





Renew the Academic Core



Retriever Activities Center Renewal

Five Academic Building Renovations

New Academic and Research Building











STRENGTH • Fitness • HEALTH SERVICES

Physical Conditioning • WELLNESS

Outdoor Adventure • RECREATION





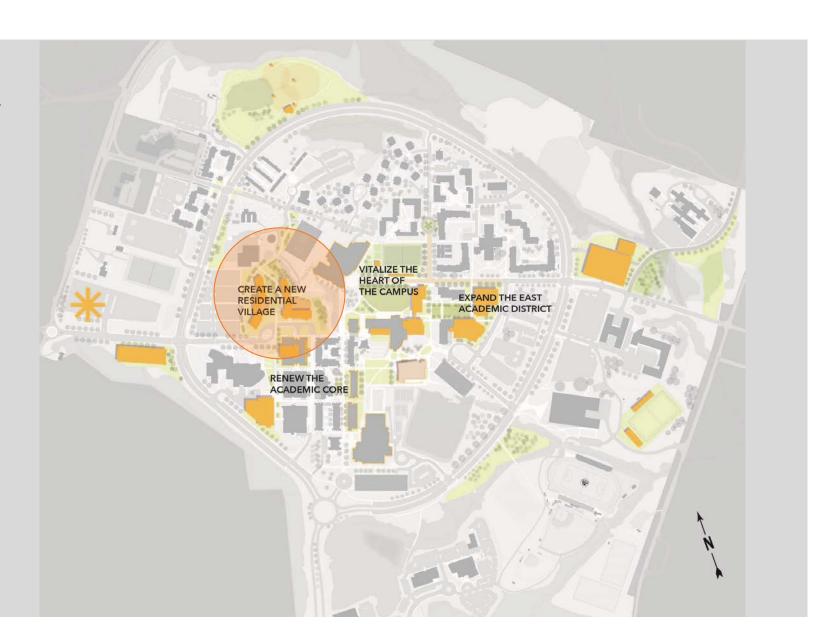


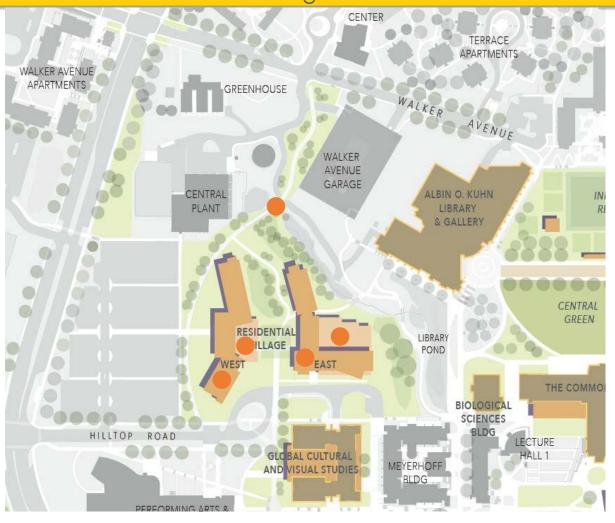


MULTI-DISCIPLINARY • Research

Teaching Labs • HANDS ON LEARNING

Create a new Residential Village



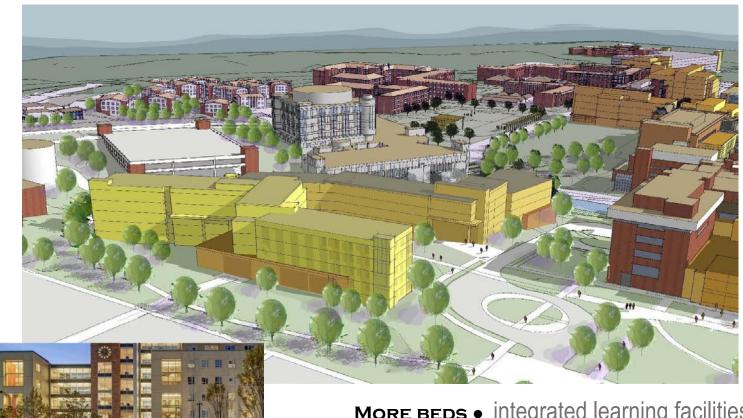


Two New 320-bed Residences

Dining

Learning commons

Pedestrian pathway and bridge



MORE BEDS ● integrated learning facilities

Living Learning Community

Study Spaces • Maker Labs • Dining







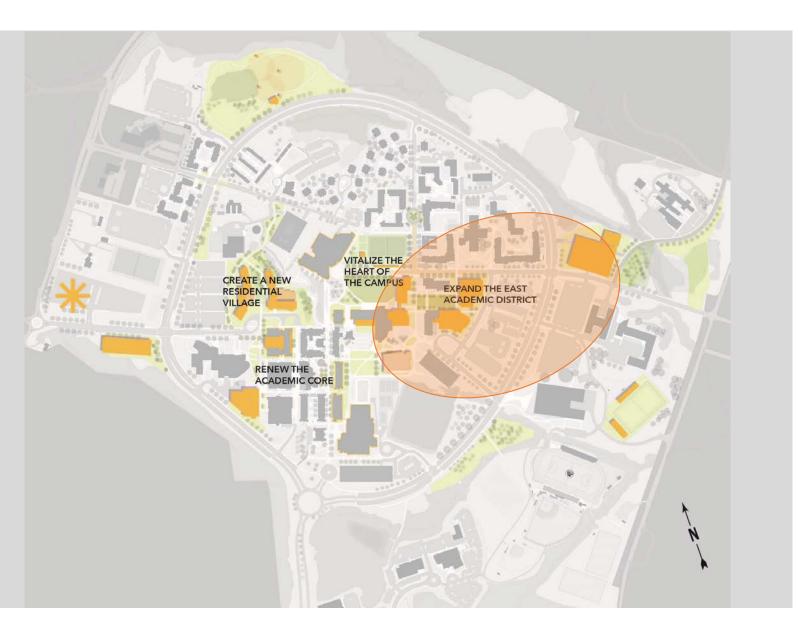


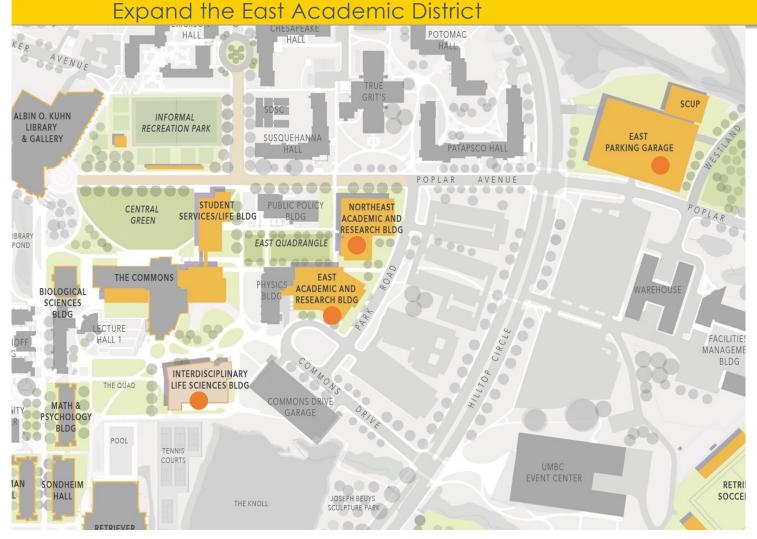
More beds • integrated learning facilities

Living Learning Community

Study Spaces • Maker Labs • Dining

Expand the
East Academic
District





New Interdisciplinary Life Sciences Building

Two New Academic and Research Buildings

New Parking Garage



Under Construction

Interdisciplinary Research Labs
Shared Core Research Facilities
Innovative Teaching Classrooms and Labs







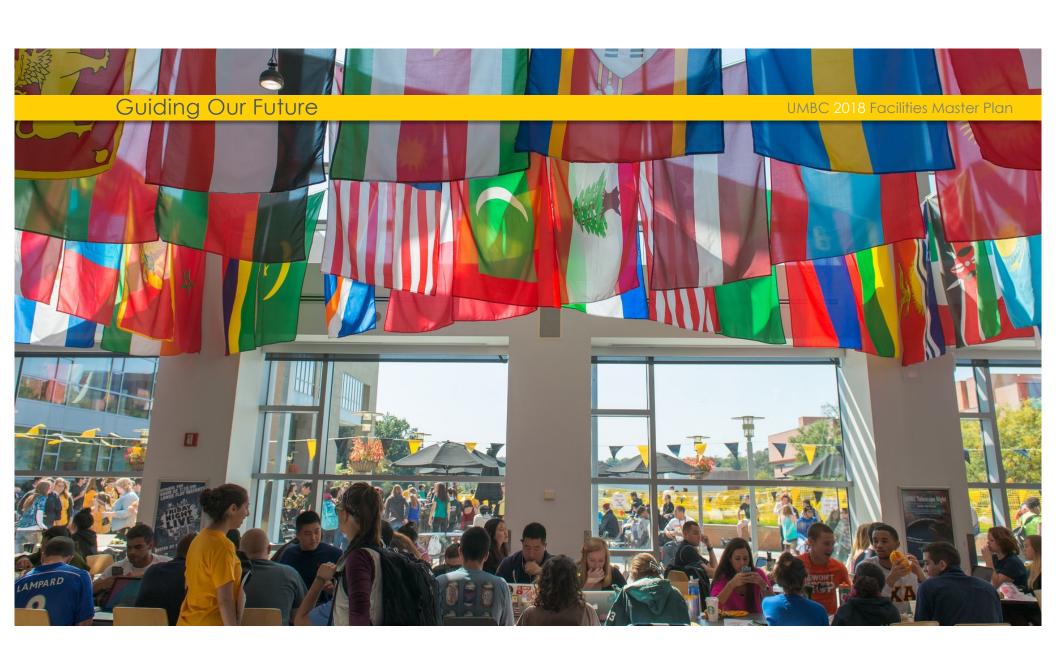


multi-disciplinary • advanced technology

Building on Success

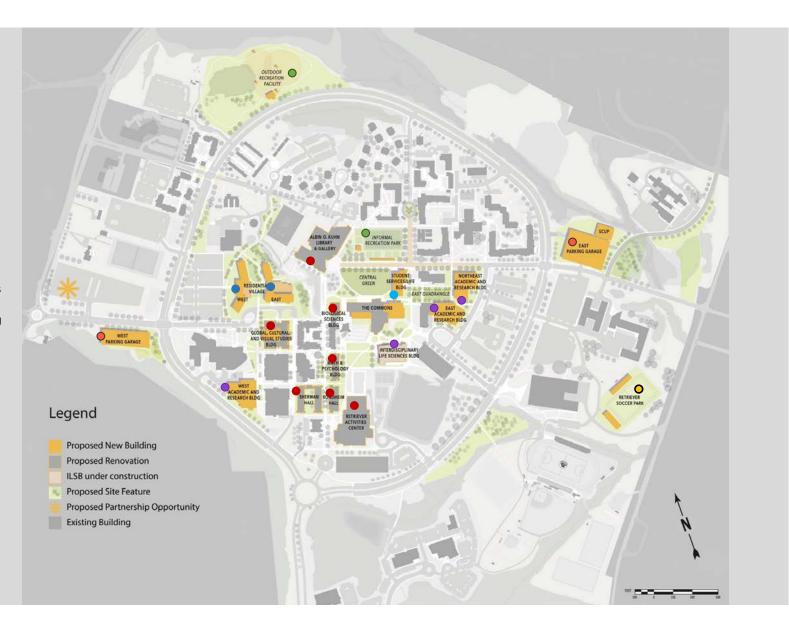
Active-learning • Applied research





Implementation Plan

- 7 Building Renovations
- 4 New Academic Buildings
- 2 New Residential Buildings
- 1 New Student Life Building
- 2 New Parking Garages
- 2 New Recreation Areas
- 1 Renovated Sports Facility

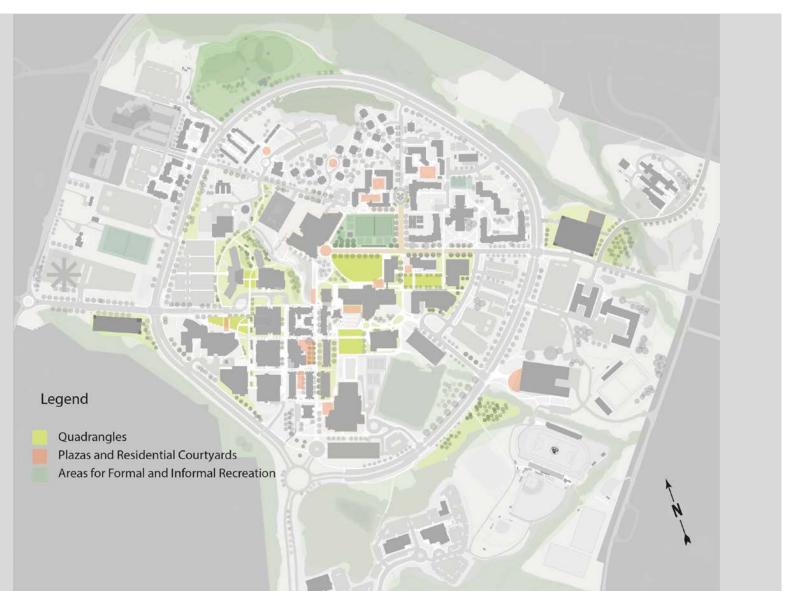


Open Space Framework

Enhance our network of plazas and green quadrangles

Create places to rest, meet friends and share ideas

Support student events and key university celebrations



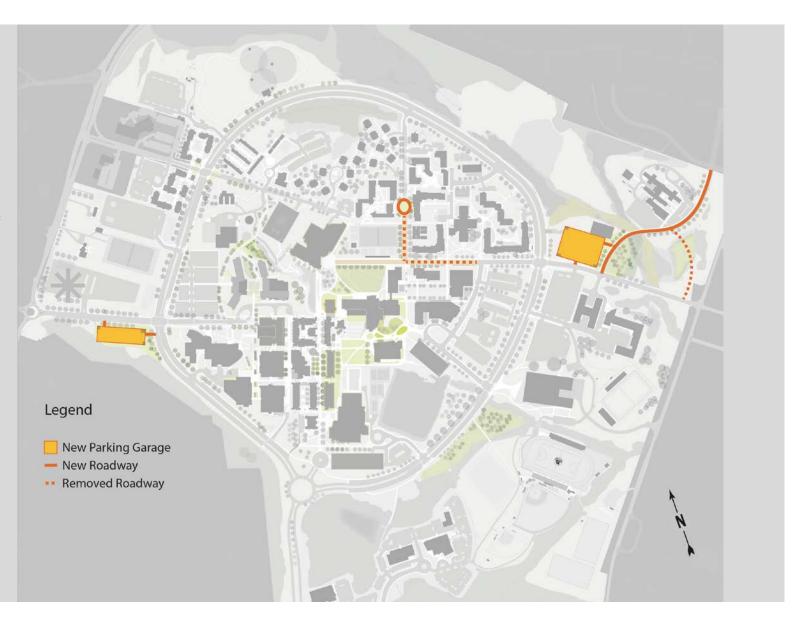
Parking and Circulation

Shift parking outside of Hilltop Circle as new buildings are located on parking lots

Improve campus access from Westland Boulevard

Increase safety pedestrianize Poplar Avenue

Celebrate portals to campus



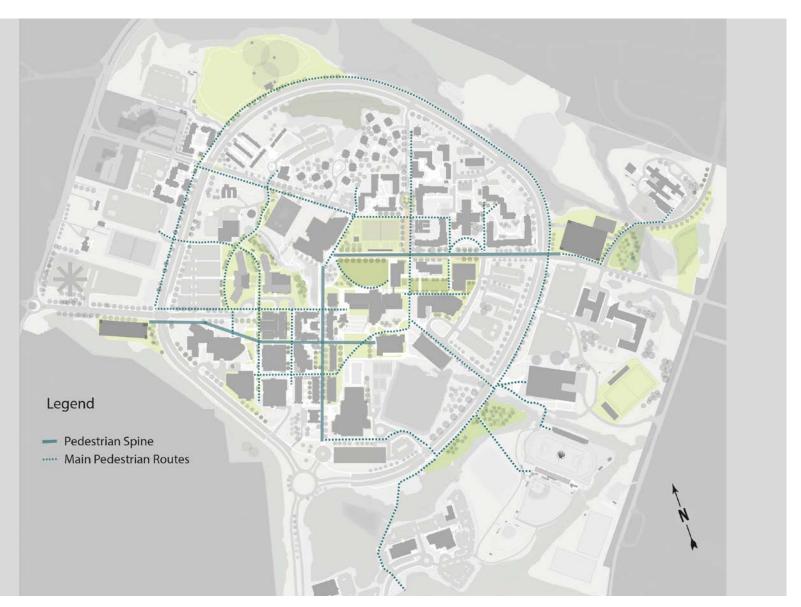
Pedestrian Framework

Clear hierarchy of paths

New linkages between residential and the academic core

New bridges traverse the topography

Placement of parking garages to reinforce pedestrian movement



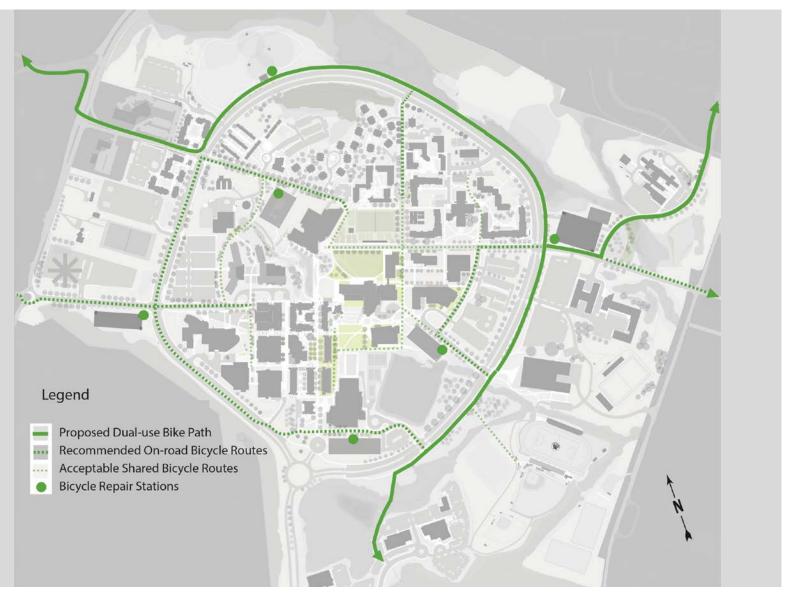
Bicycling

Improve connectivity to adjoining communities and surrounding housing

Covered parking and repair facilities at green dots

Dual-use bicycling and running path on north and east sections of the loop road

Bicycle racks and marked paths strategically located to minimize conflicts with pedestrians



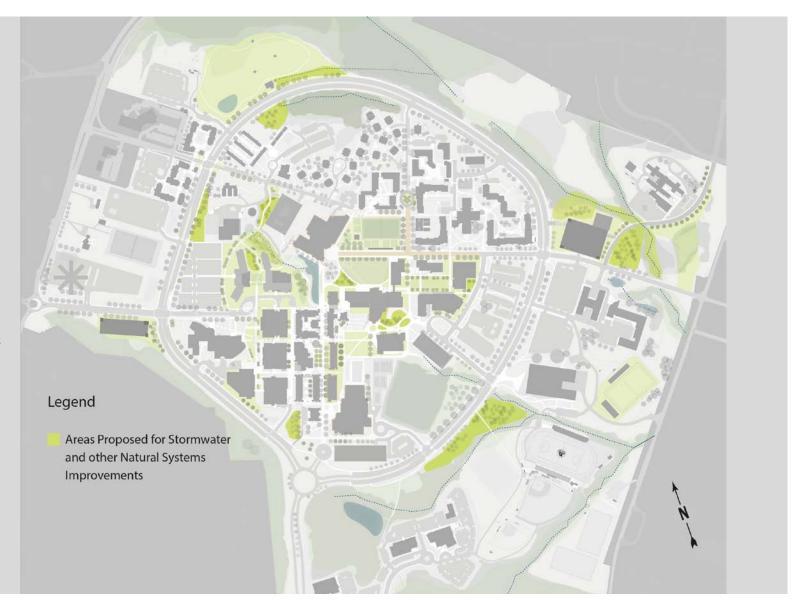
Natural Systems Improvements

Targeted stormwater improvements, like new wetlands, gardens, and forest buffers address SWM at watershed scale

Protecting our streams and stream banks

Blending of working landscapes into our open spaces

Reducing mowed lawns, especially on steep slopes



Implementation Plan







