Historic Development
By Decade
Since 2009, we have achieved...

Academic

• new Performing Arts and Humanities Building

• partial renovation of the Fine Arts Building

• upgrades to classrooms and lecture halls

• design of the Interdisciplinary Life Sciences Building and begun construction

• programming for the Global, Cultural and Visual Studies Building
Since 2009, we have achieved...

Residential

• addition to Patapsco Hall
• renovation to Potomac Hall
• new elevators and other improvements in Chesapeake and Susquehanna Halls
• renovation of Terrace, Hillside and West Hill Apartments (21 buildings)
• new Apartment Community Center
Since 2009, we have achieved...

Parking

• new Lots 9 and 29

• additions to Lot 1 and Lot 3

• modifications to the Administration Drive Garage and a new service lot

Roadways

• pedestrian improvements at numerous crossings of Hilltop Circle

• new Campus Entrance featuring capacity and aesthetic improvements to UMBC Boulevard
Since 2009, we have achieved...

**Sustainability**
- improvements to the Library Pond
- *green roof* on the Administration Building

**Athletics and Recreation**
- new *ball court and recreation field*
- new *stadium turf field and track*
- construction *(on-going)* of the Event Center
Construction Keeps Pace with Enrollment Growth

- Previous Cumulative (GSF)
- New Development (GSF)
- Enrollment
What guides our growth and development?

Facilities Master Plan

Framework consistent with the university mission and strategic plan

Cohesive approach to renew existing buildings, upgrade utilities, construct new buildings, and enhance site features

Path forward to support a more sustainable future

Basis of our ten year capital plan
Engagement

2017 Facilities Master Plan

- President
- Steering Committee
- Community
- Facilities Management
- Stakeholder Groups
1. Align campus development with UMBC’s strategic plan.

2. Provide for enrollment growth in an intentional manner.

3. Assure the campus is welcoming and accessible.

4. Promote meaningful interactions through thoughtful planning.

5. Advance carbon neutrality and protect the natural environment through responsible stewardship.

6. Optimize utilization of existing resources.

7. Encourage interdisciplinary scholarship and research through purposeful adjacencies.
Members provided specialized data and input in key topic areas, as well as made recommendations on goals and objectives.
Observations & Recommendations

- **Transform library** into a learning commons to better serve students, faculty, and the public
- Develop **new core facilities** such as a 3D visualization studio and maker lab
- **Focus on community** with gallery, special collections, and meeting rooms
• Increase number of active learning environments
• Upgrade existing teaching spaces
• Add more instructional space when enrollment growth dictates
• Create more **interdisciplinary core facilities** to support a variety of research and academic needs
• **Raise the quality** of research space
• **Demolish the TRC** after construction of new research facilities
Residential Observations & Recommendations

• Foster sense of community - common areas, recreation, and living-learning environments
• Add housing with desirable amenities as enrollment grows
• Add dining capacity to meet current and future demand
• Provide *welcoming* interior and exterior student life spaces for learning, meeting, and gathering

• Improve and add on to *The Commons*

• Create suitable *conference/event* space
Observations & Recommendations

• **Renovate existing buildings** to accommodate clusters of student services:

  - **Academic Support**: Learning Resource Center, Library, OIT Help Desk, Student Disability Services
  - **Admissions and Enrollment**: Registrar, Financial Aid, Bursar, Campus Card, Graduate School, Admissions
  - **Applied Learning**: Advising, Alumni Relations, Career Center, IES, Shriver Center, Study Abroad Office
  - **Wellness**: Counseling Center, Health Promotion, University Health Services, Recreation

  ... or consolidate student services into a **new building**
• **Renovate RAC** for recreation, health, and wellness facilities that support the greater UMBC community of faculty, staff, students, alumni, and neighbors

...and build a **new Health & Wellness Building** when RAC no longer serves needs

• **Provide indoor practice facility** for athletic teams so they don’t compete with students for recreation space
• **Upgrade stadium complex** to promote success for soccer, lacrosse, track and field, baseball, and softball

• **Renovate RAC** to support swimming and diving teams, local swim teams, and summer programs

• Strengthen **pedestrian connections** to stadium complex
• Currently have **7,203 parking spaces** -> size of 27 football fields

• Build **new garages** when new buildings displace parking

• Promote our **commitment to sustainability**
  - alternatives to single occupancy vehicles (SOV)
  - reduce carbon footprint
  - change campus culture
  - **add bike lanes and EV charging stations**
  - **enhance carpool and transit facilities**
Be good *environmental stewards*

Integrate sustainability focusing on transportation, waste, and energy

Provide opportunities to engage wooded/natural areas for research, education, & recreation

Integrate stormwater management into landscape

Build according to high performance building standards

Upgrade building and utility systems to reduce energy demand

*Don’t build more space than we really need*
Our master plan is shaped by:

- Guiding principles
- Stakeholder input

- Enrollment growth
- Pedestrian circulation
- Outdoor places
- Access and parking
- Bicycling
- Commitment to sustainability
**Assumed Enrollment Growth Progression**

**2017 Facilities Master Plan**

**Realizing the Vision**
- **Medium-Term**
  - 18,000
- **Short-Term**
  - 16,000
- **Total Enrollment**
  - 20,000

**Additional students on-campus after Fall 2017**

**Enrollment Progression**
- **Fall 2009**
  - 9,731
  - **Fall 2017**
    - 13,661
    - + 1,400
  - **+ 1,400**
    - 12,543
    - **+ 2,800**
      - 14,323
      - **+ 4,200**
        - 18,523

**Growth Rates**
- **332% increase at Shady Grove**
  - Initial doubling, then growth to 2,000
- **238% increase on-line GRADs**
  - 50% growth rate each increment
- **81% increase on-campus GRADs**
  - Growth to 3,000 by second increment
- **24% increase on-campus UGs**
  - Steady 7% growth rate
Space Requirements with Assumed Enrollment Growth

Increase from 285 GSF to 320 GSF per on-campus student to align with space planning model

Realizing the Vision
20,000 students

Medium-Term
18,000 students

Short-Term
16,000 students

* All square footages exclude parking garages and include Walker Avenue Apartments
Compact zones with student life in the center

Large percentage of the campus dedicated to parking
PROPOSED LAND USE

Extend academics and research eastward
Extend residential toward academic core
Expand student life opportunities
Expand outreach along Wilkens Avenue
Pedestrian Circulation

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
Outdoor Places

Enhance our network of plazas and green quadrangles

Create places to rest, meet friends and share ideas

Support student events and key university celebrations
Access and Parking

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

Improve campus access from Westland Boulevard.

Increase safety - pedestrianize both Park Road and Poplar Avenue.

Celebrate portals to campus.
UMBC Transit provides extensive transit service to the adjoining communities for students, staff and faculty.

MTA also has regional bus service that serves the campus.
The campus plays a critical connecting role in regional bicycling routes. Proposed bicycling paths on campus will facilitate safe bicycling in the region.
Bicycling

Improve connectivity to adjoining communities and surrounding housing

Bike lanes on Westland Blvd and connected to those in Spring Grove

Covered parking and repair facilities at blue dots

Dual-use bicycling and running path on north part of the loop

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

Minimizing our impact on natural systems

• Stabilizing streams
• Preserving forests
• Removing invasive species
• Creating wetlands
• Incorporating green roofs
• Integrating stormwater management into open spaces
• Support pollinators - grow more and mow less
• Support research
• Building to high LEED standards
The campus is located near Patapsco Valley State Park with a range of recreational opportunities. There are also walking trails along the Herbert Run and throughout CERA.
Key Areas

Vitalize the Heart of Campus
The Academic Core
The East Academic Village
New Residential Village
Athletics
Outreach and Recreation
Vitalize the Heart of Campus

**Short-Term**
- Rec fields and courts at Erickson Hall
- The Commons: interior renovation and patio infill

**Medium-Term**
- The Commons expansion: kitchen, loading and dining
- Central Green open space
- AOK Library renovation

**Realizing the Vision**
- The Commons expansion: ballroom
- New Student Services/Student Life Building with bridge
2017 Facilities Master Plan

The Academic Core

**Short-Term**
- RAC renewal
- GCVS Bldg renovation/addition
- New academic building
- Renovate Sondheim Hall
- Partial renovation of Biological Sciences Building
- Utility Upgrades

**Medium-Term**
- Renovate Math & Psychology Bldg

**Realizing the Vision**
- Renovate/expand Sherman Hall
2017 Facilities Master Plan

East Academic Village

**Short-Term**
- The ILSB

**Medium-Term**
- New academic building
- New parking garage with improved pedestrian, bicycle, and vehicular access, realigning Westland Blvd

**Realizing the Vision**
- Two new academic buildings
- Pedestrianize Poplar Avenue
- Remove Park Road
- Satellite Central Utility Plant
- True Grits expansion
**Residential Village**

**Short-Term**
- New 320 – 500 bed residential community with dining
- Stormwater / landscape improvements
- Upgrades to Central Plant equipment

**Medium-Term**
- New 320 – 500 bed residential community with learning commons
- Create pedestrian pathway and bridge between apartment communities and new housing

**Realizing the Vision**
- New 500 bed residential community
- New rec fields and court
- Walker Avenue improvements
2017 Facilities Master Plan

Athletics Precinct

**Short-Term**
- UMBC Event Center
- Stormwater and access enhancements
- Improvements to the UMBC Stadium

**Medium-Term**
- Retriever Soccer Park improvements

**Realizing the Vision**
- Covered practice facility
Outreach

Short-Term
- New parking garage
- Public Private Partnership (PPP)

Medium-Term
- Outdoor recreation area
- Stormwater / landscape improvements

Realizing the Vision
- PPP expansion
REALIZING THE VISION

Enhances student life
Adds housing & dining
Promotes research and instruction
Renews buildings
Support athletics
Expands recreation
Consolidates parking
Develops sustainably
How well does proposed plan align with projected space needs?

Proposed Plan vs Projected Need

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<th>Projected Need</th>
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<td>Fall 2017</td>
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*All square footages exclude parking garages and include Walker Avenue Apartments.

Realizing the Vision
20,000 students

Medium-Term
18,000 students

Short-Term
16,000 students
Next Steps

Integrate community feedback

Develop report

Board of Regents Presentation in March 2018
Questions and Comments

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