

BUILDING MOMENTUM: INNOVATIVE CURRICULUM & PEDAGOGY 2010-2016



NEW UNIVERSITY COMMITMENTS 2010-2016

Through Strategic Budgeting Process

Base Budget Investments

Faculty Startup

New faculty hires	\$4,798,652
Enrollment pressure support	\$1,068,000
Faculty Retention Initiative	\$244,000
New program support	\$489,000
Faculty Diversity Initiative	\$150,000
PT to Lecturer conversions	\$231,000
Professional Advising Staff	\$236,000
Faculty Development Center	\$246,000
CASTLE	\$166,000
IT First-Year Course	\$123,000
ADVANCE Program	\$66,000
Course redesign	\$50,000
TOTAL FROM BASE:	\$7,187,652
One-Time Commitments	
Faculty Startup Funds	\$12,100,000
Classroom & Performance Space AV Upgrades and installation	\$800,000
Computer Classroom Upgrades (incl. gaming, computer science)	\$750,000



INNOVATIONS & IMPROVEMENTS 2010-2016

- » Added 37 new academic programs since 2010, including 11 new bachelor's programs, 10 tracks, 2 upper-level certificates, 9 minors, 2 master's programs, and 3 post baccalaureate certificates.
- » In COEIT, Chemical and Biochemical Engineering and Civil and Environmental Engineering reorganized to become Chemical, Biochemical and Environmental Engineering.
- » In CAHSS, Gender & Women's Studies and Media & Communications Studies became departments and Public Policy became a school.
- » New academic programs and tracks:
 - Asian Studies BA, ULC, minor*
 - Biology Education BA*
 - Environmental Engineering and Sustainability track*
 - Environmental Science and Geography BS*
 - Geography and Environmental Studies BA*
 - Global Studies BA: Comp Globalizations Studies track; Dev, Health & Environment track; International Affairs track*
 - Jazz Studies BA*
 - Music Composition BA*
 - Music Education BA: Instrumental track; Choral track*
 - Music Performance BA: Instrumental track; Vocal track*
 - Music Technology BA*
 - Statistics BS Applied Statistics track*
 - Statistics BS Mathematics Statistics track*
 - Bioinformatics and Computational Biology minor*
 - Communications and Technology minor*
 - Critical Sexuality Studies minor*
 - Entrepreneurship and Innovation minor*
 - Information Systems minor*
 - Japanese Language and Culture Minor*
 - Korean Language and Culture minor*
 - Medieval and Early Modern Studies minor*
 - Design BFA*
 - Language, Literacy, and Culture MA*
 - Texts, Technologies, and Literature MA*
 - Management Accounting ULC*
 - Music Entrepreneurship PBC*
 - Professional Studies: Cybersecurity Operations PBC*
 - Professional Studies: Cybersecurity Strategy and Policy PBC*
 - Professional Studies: MPS in Health Informatics*
- » Reorganized to form Institutional Research, Analysis, and Decision Support (IRADS) department
- » Developed data warehouse and report exchange (REX) to support student success work
- » Course redesign: active learning, flipped classrooms, team-based learning
- » Alex. Brown Faculty Fellows initiated minor in entrepreneurship - 138 students, 54 courses
- » Created department-based assessment plans
- » New active learning classrooms: CNMS, COEIT, CAHSS
- » Classroom technology upgrades
- » Added specialized computer labs for gaming, animation, computer science, and engineering
- » Added technologically specialized classrooms, studios, labs, theaters, and other teaching and learning spaces in PAHB
- » Expanded Faculty Development Center personnel and programs
 - Provost's Symposium on Teaching and Learning, initiated in fall 2015, provides opportunities for faculty and staff to promote and explore student learning through innovation and assessment*
- » Growth in tenure-track and full-time instructional faculty:
 - Full-time instructional faculty increased from 481 in fall 2010 to 527 in fall 2015
 - Tenured/Tenure-Track faculty increased from 372 in fall 2010 to 391 in fall 2015
 - Non-Tenure Track Full-time faculty increased from 109 to 136
- » Implemented new practices to attract, develop, and retain underrepresented minority faculty:
 - Postdoctoral Fellows for Faculty Diversity
 - Interfolio online decision support for searches
 - STRIDE Committee
 - Emerging Scholars Program
- » Implemented new practices to attract, develop, and retain women faculty in STEM (ADVANCE)
- » Task force to explore ways to overcome barriers to and expand opportunities for interdisciplinarity at UMBC



SELECT ACHIEVEMENTS 2010-2016

- » Freshmen retention rate rise from about 82% for the early 2000 cohorts to over 86% for the fall 2014 cohort, with an all-time high of 89.1% for the fall 2013 cohort
- » Roughly 500 distinct people across the campus used REX for decision support during 2015
- » Faculty and advising staff can identify potential non-completers by analyzing REX registration data
- » Updated more than 60 classrooms and 7 lecture halls to support new digital technology
- » CAHSS reduced credit hours taught by PT faculty - 47% to 38% for lower-level and 77% to 58% in English
- » Rise in underrepresented minority faculty: 17% to 23% from Fall 2012 to Fall 2015
- » Ranked 15th nationally in percent of women faculty in tenure, tenure-track positions
- » About 90% of UMBC programs have aligned program-level learning outcomes to institutional objectives for student learning

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