

UNIVERSITY SYSTEM OF MARYLAND

RB31.00 UNIVERSITY OF MARYLAND BALTIMORE COUNTY

PROGRAM DESCRIPTION

The University of Maryland Baltimore County (UMBC) offers undergraduate, master's and doctoral programs in the arts and sciences and engineering. Within a strong interdisciplinary framework, UMBC programs link the cultures of the sciences, social sciences, visual and performing arts and humanities, and the professions.

MISSION

UMBC is a dynamic public research university integrating teaching, research, and service to benefit the citizens of Maryland. As an Honors University, the campus offers academically talented students a strong undergraduate liberal arts foundation that prepares them for graduate and professional study, entry into the workforce, and community service and leadership. UMBC emphasizes science, engineering, information technology, human services, and public policy at the graduate level. UMBC contributes to the economic development of the State and the region through entrepreneurial initiatives, workforce training, K-16 partnerships, and technology commercialization in collaboration with public agencies and the corporate community. UMBC is dedicated to cultural and ethnic diversity, social responsibility, and lifelong learning.

VISION

An Honors University in Maryland, UMBC will be one of the nation's best public research universities of its size as it combines the traditions of the liberal arts academy, the creative intensity of the research university, and the social responsibility of the public university. UMBC will be known for integrating research, teaching and learning, and civic engagement so that each advances the others for the benefit of society.

KEY GOALS AND OBJECTIVES

Goal 1: Create and maintain a well-educated work force

Objective 1.1 Increase the estimated number of UMBC graduates employed in Maryland from 1,142 in Survey Year 1997 to 1,432 in Survey Year 2004.

		2001	2002	2003	2004
		Actual	Actual	Est	Est
Performance Measures					
Input:	Total undergraduate enrollment	9,101	9,328	9,549	9,643
Output:	Total bachelor's degree recipients	1,606	1,570	1,570	1,591
		2000	2001	2002	2004
		Survey	Survey	Survey	Survey
Performance Measures		Actual	Actual	Actual	Est
Outcome:	Employment rate of graduates	85%	80% ²	81%	86%
Outcome:	Number of graduates employed in Maryland	1,197	1,245 ²	1,269	1,432

Objective 1.2 Increase the number of UMBC graduates hired by MD public schools from 74 in FY 2000 to 115 in FY 2004.

		2001	2002	2003	2004
		Actual	Actual	Est	Est
Performance Measures					
Input:	Number of undergraduates in teacher training programs	338	346	360	380
Input:	Number of post-bach students in teacher training programs	319	548	340	350
Output:	Number of undergrad students completing teacher training program	59	67	80	90

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		2001	2002	2003	2004
		Actual	Actual	Est	Est
Performance Measures					
Output:	Number of post bach students completing teacher training program	56	106	70	80
Quality:	Percent of undergraduate teacher candidates passing Praxis II or NTE	95%	83%	90%	100%
Quality:	Percent of post-bach teacher candidates passing Praxis II or NTE	95%	93%	95%	100%
Outcome:	Number of students who completed all teacher education requirements and who are employed in Maryland public schools	87	99	105	115
Objective 1.3 Increase the estimated number of UMBC graduates of IT programs employed in Maryland from 233 in Survey Year 1997 to 350 in Survey Year 2004.					
Performance Measures		2001	2002	2003	2004
		Actual	Actual	Est	Est
Input:	Number of undergraduates enrolled in IT programs	2,547	2,750	2,697	3,142
Output:	Number of baccalaureate graduates of IT programs	472	457	529	540
Performance Measures		2000	2001	2002	2004
		Survey	Survey	Survey	Survey
Outcome:	Number of IT graduates employed in Maryland	Actual	Actual	Actual	Est
		283	319 ²	351	350
Objective 1.4 Increase the estimated number of USM graduates of nursing programs employed in Maryland. (System objective; UMBC does not have a nursing program)					
Objective 1.5 Maintain 100% satisfaction of employers with UMBC graduates					
Performance Measures		2000	2001	2002	2004
		Survey	Survey	Survey	Survey
Outcome:	Average employer's satisfaction with UMBC graduates ³	Actual	Actual	Actual	Est
		N/A	100%	N/A	100%
Objective 1.6 Increase the number of students enrolled in UMBC programs delivered off campus or through distance education from 220 in FY 1998 to 1,000 in FY 2004.					
Performance Measures		2001	2002	2003	2004
		Actual	Actual	Est	Est
Input:	Number of students enrolled in distance education courses	457	967	1,200	1,500
Objective 1.7 Maintain UMBC's rank in number of IT bachelor's degrees awarded as 1 st among public research peer institutions.					
Performance Measures		2001	2002	2003	2004
		Actual	Actual	Est	Est
Quality:	Rank in IT bachelor's degrees awarded	1 st	1 st	1 st	1 st

Goal 2: Promote economic development

Objective 2.1 Increase the proportion of state residents who have a bachelor's degree. (System objective; See objective 1.1 for UMBC input and output measures)

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Objective 2.2 Increase the ratio of median UMBC graduates' salary to the median annual salary of civilian work force with a bachelor's degree from .86 for the 1998 Survey Year to .88 for the 2004 Survey Year.

	2000	2001	2002	2004
	Survey	Survey	Survey	Survey
	Actual	Actual	Actual	Est
Performance Measures				
Outcome: Median salary of UMBC graduates	\$32,500	\$40,000	\$32,500	>\$35K
Outcome: Ratio of median salary of UMBC graduates to civilian workforce with bachelor's degree	.86	1.05 ²	.86	.88

Objective 2.3 Maintain the number of companies graduating from UMBC incubator programs from 3 in FY 1998 to 3 in FY 2004.

	2001	2002	2003	2004
	Actual	Actual	Est	Est
Performance Measures				
Outcome: Number of companies graduating from incubator programs	1	2	1	3

Objective 2.4 Increase number of jobs created through UMBC's Technology Center and Research Park from 182 in FY 1998 to 500 in FY 2004

	2001	2002	2003	2004
	Actual	Actual	Est	Est
Performance Measures				
Output: Number of jobs created by UMBC's Technology Center and Research Park	301	370	450	475

Objective 2.5 Maintain through FY2004 UMBC's rank of top 20% among public research peer institutions in the ratio of number of invention disclosures per \$million R&D expenditures

	2001	2002	2003	2004
	Actual	Actual	Est	Est
Performance Measures				
Quality: Rank in ratio of invention disclosures to \$million in R&D expenditures	Top 20%	Top 20%	Top 20%	Top 20%

Goal 3: Increase access for economically disadvantaged and minority students.

Objective 3.1 Increase the % of minority undergraduate students from 33.0% in FY 1998 to 39.0% in FY 2004.

	2001	2002	2003	2004
	Actual	Actual	Est	Est
Performance Measures				
Input: % minority of undergraduate students enrolled	36.7%	37.4%	37.2%	39.0%

Objective 3.2 Increase the % of African-American undergraduate students from 16.0% in FY 1998 to 18.0% in FY 2004.

	2001	2002	2003	2004
	Actual	Actual	Est	Est
Performance Measures				
Input: % African-American of undergraduate students enrolled	15.9%	16.1%	15.6%	18.0%

Objective 3.3 By FY 2004, maintain a retention rate for minority students of 85% or greater.

	2001	2002	2003	2004
	Actual	Actual	Est	Est
Performance Measures				
Output: Second year retention rate of minority students	84.1%	85.4%	86.0%	86.0%

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Objective 3.4 Increase the retention rate of African-American students from 88.3% in FY 1998 to 90% or greater in FY 2004.

		2001	2002	2003	2004
	Performance Measures	Actual	Actual	Est	Est
Output:	Second year retention rate of African-American students	87.6%	89.8%	90.0%	91.0%

Objective 3.5 Increase the graduation rate of minority students from 52.4% in FY 1998 to 65.0% in FY 2004.

		2001	2002	2003	2004
	Performance Measures	Actual	Actual	Est	Est
Output:	Graduation rate of minority students	62.6%	62.3%	64.0%	65.0%

Objective 3.6 Increase the graduation rate of African-American students from 58.5% in FY 1998 to 65.0% in FY 2004.

		2001	2002	2003	2004
	Performance Measures	Actual	Actual	Est	Est
Output:	Graduation rate of African-American students	63.3%	61.7%	64.0%	65.0%

Objective 3.7 By FY 2004, maintain the % of economically disadvantaged students at 60% or greater.

		2001	2002	2003	2004
	Performance Measures	Actual	Actual	Est	Est
Input:	% of economically disadvantaged students	67.8%	67.0%	65.0%	65.0%

Objective 3.8 Maintain the graduate/professional school-going rate for UMBC's African-American bachelor's degree recipients of 49%

		2000	2001	2002	2004
	Performance Measures	Survey Actual	Survey Actual	Survey Actual	Survey Est
Outcome:	Graduate/professional school-going rate of African-American bachelor's degree recipients within one year of graduation	49%	40% ²	35%	49%

Goal 4: Achieve and sustain national eminence in providing quality education, research and public service

Objective 4.1 Increase retention rate of UMBC undergraduates from 82.9% in FY 1998 to 85% or greater in FY 2004.

		2001	2002	2003	2004
	Performance Measures	Actual	Actual	Est	Est
Output:	Second year retention rate of students	81.5%	82.4%	84.0%	85.0%

Objective 4.2 Increase graduation rate of UMBC undergraduates from 54.2% in FY 1998 to 65.0% in FY 2004.

		2001	2002	2003	2004
	Performance Measures	Actual	Actual	Est	Est
Output:	Six year graduation rate of students	58.7%	59.5%	64.0%	65.0%

Objective 4.3 Increase the number of nationally ranked academic programs. (System objective)

Objective 4.4 Increase number of faculty receiving prestigious awards and recognition from 3 in FY 1999 to 6 in FY 2004.

		2001	2002	2003	2004
	Performance Measures	Actual	Actual	Est	Est
Quality:	Number of faculty receiving prestigious awards and recognition	5.0	4.0	5.0	6.0

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Objective 4.5 Increase total research and development expenditures as reported by the National Science Foundation from \$18.2 million in FY 1998 to \$42.0 million in FY 2004.

		2001	2002	2003	2004
		Actual	Actual	Est	Est
Output:	Performance Measures Total R&D expenditures	\$26.0	\$29.6	\$35.0	\$38.0

Objective 4.6 By FY 2004 maintain the level of student satisfaction with education received for employment at 93% or greater.

		2000	2001	2002	2004
		Survey	Survey	Survey	Survey
		Actual	Actual	Actual	Est
Quality:	Performance Measures % of students satisfied with education received for employment	97%	92% ²	89%	93%

Objective 4.7 By 2004 Survey Year, maintain the level of student satisfaction with education received for graduate/professional school at 95% or greater.

		2000	2001	2002	2004
		Survey	Survey	Survey	Survey
		Actual	Actual	Actual	Est
Quality:	Performance Measures % of students satisfied with education received for graduate/professional school	99%	97% ²	99%	98%

Objective 4.8 Increase the graduate/professional school-going rate for UMBC's bachelor's degree recipients from 35% in Survey Year 1997 to 38% in Survey Year 2004.

		2000	2001	2002	2004
		Survey	Survey	Survey	Survey
		Actual	Actual	Actual	Est
Outcome:	Performance Measures Graduate/professional school-going rate of bachelor's degree recipients within one year of graduation	35%	29% ²	39%	38%

Objective 4.9 Maintain UMBC's rank (1st in FY 1999) among public research peer universities in Median SAT of the freshman class.

		2001	2002	2003	2004
		Actual	Actual	Est	Est
Input:	Performance Measures SAT of Freshman Class: 25 th percentile	1100	1110	1120	1110
Input:	SAT of Freshman Class: 75 th percentile	1270	1280	1290	1290
Input:	SAT of Freshman Class: Median	1185	1195	1205	1200
Quality:	Rank in median SAT	1 st	1 st	1 st	1 st

Objective 4.10 Increase the dollars in total R&D expenditures per FT faculty from \$51.7 thousand in FY 1998 to \$89.0 thousand in FY 2004.

		2001	2002	2003	2004
		Actual	Actual	Est	Est
Output:	Performance Measures Total R&D expenditures per FT faculty	\$75.3	\$82.1	\$96.2	\$102.7

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Objective 4.11 Improve rank among public research peer institutions in average annual growth rate (5-year) in federal R&D expenditures from 3rd in FY1998 to 1st in FY2004.

		2001	2002	2003	2004
	Performance Measures	Actual	Actual	Est	Est
Output:	Rank in 5-year average annual growth rate in federal R&D expenditures	1 st	12/02 ¹	1 st	1 st

Objective 4.12 Move toward public research peer institution average in ratio of FTE students to FT faculty from 24.6:1 in FY2000 to 23:1 in FY2004.

		2001	2002	2003	2004
	Performance Measures	Actual	Actual	Est	Est
Input:	Ratio of FTE students to FT faculty	24.8:1	25.8:1	24:1	23:1

Goal 5: Increase revenue from alternative sources to state appropriations.

Objective 5.1 Raise \$700 million by fiscal year 2002 through Campaign for Maryland. (System objective)

Objective 5.2 Maintain at least a 2% rate of operating budget savings through efficiency and cost containment measures.

		2001	2002	2003	2004
	Performance Measures	Actual	Actual	Est	Est
Efficiency:	% rate of operating budget savings	2%	4%	2%	2%

Objective 5.3 Increase the average alumni giving rate from 10% in FY 1998 to 11% in FY 2004.

		2001	2002	2003	2004
	Performance Measures	Actual	Actual	Est	Est
Input:	% of solicited UMBC alumni who donated money to the campus	10%	9% ⁴	10%	11%

Objective 5.4 Increase UMBC's endowment from \$8.8 million in FY 1998 to \$20.0 million in FY 2004

		2001	2002	2003	2004
	Performance Measures	Actual	Actual	Est	Est
Input:	Endowment dollars	\$18.0	\$16.0	\$21.0	\$23.0

Goal 6: Maximize the efficient and effective use of state resources.

Objective 6.1 Increase current bond ratings of Aa3 to Aa2 by fiscal year 2004. (System objective)

Objective 6.2 Allocate expenditures on facility renewal to meet 2% target by FY 2004 from .8% in FY 1998.

		2001	2002	2003	2004
	Performance Measures	Actual	Actual	Est	Est
Efficiency:	% of replacement cost expended in facility renewal and renovation	.8%	.8%	.8%	.8%

Objective 6.3 Decrease the cost of raising \$1 in private donations down from \$0.16 in 1995 by fiscal year 2004. (System objective)

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Notes: NA = data not available

¹FY 2003 actual data to be supplied by date indicated.

²The 2001 survey of alumni was sponsored by USM and conducted via telephone by the University of Baltimore Schaeffer Center. The survey was conducted earlier in the year compared with previous surveys, which were typically conducted in early to mid-summer, likely influencing responses regarding employment and graduate school enrollments and/or plans.

³Questions related to employers' satisfaction with UMBC alumni were included only on the 2001 USM-sponsored telephone survey of alumni. Such questions are not included on any of the MHEC-sponsored Alumni Follow Up Surveys carried out in 1997, 1998, 2000, and 2002.

⁴Estimated; actual not available until January, 2003.