

6/14/2004 Update

OPERATIONAL DEFINITIONS FOR MFR/ACCOUNTABILITY MEASURES/INDICATORS

Measure #	Special Timeframe Issues	USM Template Objective	Indicator/Measure	Source	Operational Definition
INPUTS					
1	FY00: Fall 99 FY01: Fall 00 FY02: Fall 01 FY03: Fall 02	1.1	Total undergraduate enrollment ¹	EIS	Self-explanatory
2	FY00: Fall 99 FY01: Fall 00 FY02: Fall 01 FY03: Fall 02	1.2	Number of undergraduates in teacher training programs	Institution (UMBC Dept. of Educ.)	The number of undergraduate students who have been accepted and enrolled into a teacher training program (in most institutions, acceptance into a teacher training program may require passing Praxis I).
3	FY00: Fall 99 FY01: Fall 00 FY02: Fall 01 FY03: Fall 02	1.2	Number of post-baccalaureate students in teacher training programs	Institution (UMBC Dept. of Educ.)	The number of students who have received a bachelor's or higher degree and are enrolled in a post-baccalaureate certification program, resident teacher certification program or masters of arts in teaching program (in most institutions, acceptance into these programs may require passing Praxis I)
4	FY00: Fall 99 FY01: Fall 00 FY02: Fall 01 FY03: Fall 02	1.3	Number of undergraduate students enrolled in IT programs	EIS	Use the programs your institution includes in MAITI. Generally, these are: Computer Science, (including Computer and Information Science, Computer Studies, and Computer Information Technology), Computer Engineering, Electrical Engineering, Software Engineering, Systems Engineering, Telecommunications, Information Systems Management, Engineering Management, Decision and Information Technology, Geographic Information Systems, Nursing Informatics
5	FY 00:Fall 99+Spring 00 FY 01:Fall 00+Spring 01 FY 02:Fall 01+Spring 02 FY 03: Fall 02+Spring 03	1.5	Number of enrollments in distance education courses and off-campus courses	Off campus enrollment form	The number of enrollments in courses offered off campus and through the Internet, IVN, etc. Note: this is not an unduplicated count, but the addition of enrollments in all distance education courses
6	FY00: Fall 99 FY01: Fall 00	3.1	% minority of all undergraduates	EIS	Minority: African-American, Hispanic, Asian American, Native American

¹ Not a core/common measure/indicator

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	FY02: Fall 01 FY03: Fall 02				
7	FY00: Fall 99 FY01: Fall 00 FY02: Fall 01 FY03: Fall 02	3.2	% African-American of all undergraduates	EIS	Self-explanatory.
8	FY00: AY9900 FY01: AY0001 FY02: AY0102 FY03: AY0203	3.7	% of economically disadvantaged students	Common Data Set	Number of degree-seeking undergraduate students, both full- and part-time, who applied for financial aid and who were determined to have financial need (from line H2c of the Common Data Set 2000-2001) divided by the total number of degree-seeking undergraduates. (line H2a).
UMBC1	FY00: Fall 1999 FY01: Fall 2000 FY02: Fall 2001 FY03: Fall 2002	4.8	SAT of Freshmen Class: 25 th percentile	EIS	SAT score at 25 th percentile for new freshmen
UMBC2	FY00: Fall 1999 FY01: Fall 2000 FY02: Fall 2001 FY03: Fall 2002	4.8	SAT of Freshmen Class: 75 th percentile	EIS	SAT score at 75 th percentile for new freshmen
UMBC3	FY00: Fall 1999 FY01: Fall 2000 FY02: Fall 2001 FY03: Fall 2002	4.8	SAT of Freshmen Class: Median	EIS	25 th percentile score + ((75 th percentile score-25 th percentile score)/2)
UMBC4	FY00: Fall 1999 FY01: Fall 2000 FY02: Fall 2001 FY03: Fall 2002	4.11	Ratio of FTE students to FT faculty	IPEDS/AAUP	Full-time students plus one-third part time students per FT faculty (as defined by AAUP: Full-time faculty with rank of professor, associate professor, and assistant professor)
UMBC5	FY00: FY00 FY01: FY01 FY02: FY02 FY03: FY03	5.2	Average alumni giving rate	CAE	Percent of solicited alumni giving to school during the academic year
UMBC6	FY00: FY00	5.3	Endowment (millions)	CAE	Cumulative \$

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	FY01: FY01 FY02: FY02 FY03: FY03				
OUTPUTS					
9	FY00: FY00 FY01: FY01 FY02: FY02 FY03: FY03	1.1 & 2.1	Total bachelor's degree recipients	DIS	The number of students graduating with a bachelor's degree (note: this is NOT the number of bachelor's degrees awarded)
10	FY00: FY00 FY01: FY01 FY02: FY02 FY03: FY03	1.2	Number of undergraduate students completing teacher training program	Institution (UMBC Dept. of Educ.)	The number of undergraduate students who have completed all the requirements for teacher certification
11	FY00: FY00 FY01: FY01 FY02: FY02 FY03: FY03	1.2	Number of post-baccalaureate students completing teacher training program	Institution (UMBC Dept. of Educ.)	The number of students enrolled in post-baccalaureate certification programs, resident teacher certification programs or masters of arts in teaching programs who have completed all the requirements for teacher certification
12	FY00: FY00 FY01: FY01 FY02: FY02 FY03: FY03	1.3	Number of students graduating from IT baccalaureate programs	DIS	Use MAITI definition of IT program: see #4
UMBC7	FY00: FY00 FY01: FY01 FY02: FY02 FY03: FY03	2.3	Number of jobs created by UMBC's Research Park & Technology Center	Exec.Dir/UM Research Park & Tech. Ctr.	Total number of jobs created by companies in UMBC Research Park & Technology Center.
13	FY 00:cohort of 1998 FY 01:cohort of 1999 FY 02:cohort of 2000 FY03: cohort of 2001	3.3, 3.4, 4.1	Second year retention rate	EIS, DIS	The percentage of first-time, full-time degree-seeking undergraduates who re-enrolled at UMBC one year after matriculation. Minority: see #6 above.
14	FY 00:cohort of 93 FY 01:cohort of 94 FY 02:cohort of 95	3.5, 3.6, 4.2	Six year graduation rate	MHEC : EIS, DIS	The percentage of first-time, full-time degree-seeking undergraduates who graduated from any Maryland public four-year institution within six years of matriculation.

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	FY 03: cohort of 96				Institutions may provide additional refinements based on IPEDS' national definition. Minority: see #6 above. Data provided by MHEC
15	FY00: FY99 FY01: FY00 FY02: FY01 FY03: FY02	4.4	Total R&D expenditures	National Science Foundation	\$s spent on R&D from federal, state, industry, institutional, and other sources (excluding expenditures in medical science for institutions other than UMB)
UMBC8	FY 00: Fall 98 Faculty/FY99\$ FY 01: Fall 99 Faculty/FY00\$ FY02: Fall 00 Faculty/FY01\$ FY 03: Fall 01 Faculty/FY02\$	4.9	\$ in total R&D expenditures per FT faculty (thousands)	NSF	UMBC \$ in total R&D expenditures (per NSF) per FT Faculty (as defined by AAUP: full-time faculty in ranks of professor, associate professor, and assistant professor)
UMBC9	FY 00: FY95-FY99 FY 01: FY96-FY00 FY 02: FY97-FY01 FY 03: FY98-FY02	4.10	Rank among peers in 5-year average annual growth rate in federal R&D expenditures	NSF	UMBC growth in federal R&D expenditures – average annual growth over 5 year period
OUTCOMES					
16	FY00: 1997 survey- 1996 bach degree recipients FY01: 1998 survey- 1997 bach degree recipients FY02: 2000 survey- 1999 bach degree recipients FY03: 2001 survey- 2000 bach degree recipients FY04: 2002 survey- 2001 bach degree recipients	1.1	Employment rate of graduates	MHEC follow-up survey of graduates (Schaefer Center Survey for 2000 graduates/ 2001 Survey)	The percentage of bachelor's degree recipients who held full- or part-time jobs within one year of graduation.
17	FY00: 1997 survey- 1996	1.1	Number of graduates employed in Maryland	MHEC follow-	(The percentage of bachelor's degree recipients who held

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	bach degree recipients FY01: 1998 survey- 1997 bach degree recipients FY02: 2000 survey- 1999 bach degree recipients FY03: 2001 survey- 2000 bach degree recipients FY04: 2002 survey- 2001 bach degree recipients			up survey of graduates (Schaefer Center Survey for 2000 graduates/ 2001 Survey)	full- or part-time jobs in Maryland within one year of graduation as derived from the follow up survey of graduates) X (the number of bachelor degree recipients).
18	FY 00: AY 99-00 FY 01: AY 00-01 FY 02: AY 01-02 FY 03: AY 02-03	1.2	Number of students who completed all teacher training requirements who are employed in Maryland public schools	MSDE	Self-explanatory. This information will be provided by the USM Office
19	FY00: 1997 survey- 1996 bach degree recipients FY01: 1998 survey- 1997 bach degree recipients FY02: 2000 survey- 1999 bach degree recipients FY03: 2001 survey- 2000 bach degree recipients FY04: 2002 survey- 2001 bach degree recipients	1.3	Number of graduates from IT programs employed in Maryland	MHEC follow-up survey of graduates (Schaefer Center Survey for 2000 graduates/ 2001 Survey)	(The percentage of bachelor's degree recipients from IT programs who held full- or part-time jobs in Maryland within one year of graduation as derived from the follow up survey of graduates) X (the number of bachelor degree recipients from IT programs). See #4 for MAITI definition of IT program
20	FY02: 2000 survey- 1999 bach degree recipients	1.4	Employers' satisfaction with USM graduates	Schaefer Center Survey	Percentage of employers that would definitely or probably hire another graduate from the same institution
21	FY00: 1997 survey- 1996 bach degree recipients FY01: 1998 survey- 1997 bach degree recipients FY02: 2000 survey- 1999 bach degree recipients	2.1	Median salary of graduates	MHEC follow-up survey of graduates (Schaefer Center Survey for 2000	Median salary of bachelor's degree recipients who are employed FT: Midpoint of median salary category.

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	FY03: 2001 survey- 2000 bach degree recipients FY04: 2002 survey- 2001 bach degree recipients			graduates/ 2001 Survey)	
22	FY00: 1997 survey- 1996 bach degree recipients/ 1999 Census FY01: 1998 survey- 1997 bach degree recipients/ 1999 Census FY02: 2000 survey- 1999 bach degree recipients/ 1999 Census FY03: 2001 survey- 2000 bach degree recipients/ 1999 Census FY04: 2002 survey- 2001 bach degree recipients/ 1999 Census	2.1	Ratio of median salary of USM graduates to U.S. civilian work force with bachelor's degree	MHEC follow-up survey of graduates (Schaefer Center Survey for 2000 graduates) 2001 Survey / U.S. Census Bureau	Midpoint of median salary category as a ratio of median salary of US residents 25 and older who have a bachelor's degree. This information will be provided by USM Office
23	FY00: FY00 FY01: FY01 FY02: FY02 FY03: FY03	2.2	Number of companies graduating from incubator programs	Exec.Dir./ UMBC Res. Park &Tech Ctr.	Companies who, having been provided space and services, have moved out into their own space
UMBC11	FY00: 1997 survey- 1996 bach degree recipients FY01: 1998 survey- 1997 bach degree recipients FY02: 2000 survey- 1999 bach degree recipients FY03: 2001 survey- 2000 bach degree recipients FY04: 2002 survey- 2001	3.8	% of African-American bach recipients enrolled in grad/professional study 1 year later	MHEC follow-up survey of graduates (Schaefer Center Survey for 2000 graduates/ 2001 Survey)	The number of African-American bach recipients reporting "yes, I am currently enrolled full-time", "yes, I am currently enrolled part-time", or "yes, but I am not currently enrolled" in graduate or professional study one year following graduation per the total # of African-American bach degree recipients answering the survey and responding to this question .

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	bach degree recipients				
UMBC12	FY00: 1997 survey- 1996 bach degree recipients FY01: 1998 survey- 1997 bach degree recipients FY02: 2000 survey- 1999 bach degree recipients FY03: 2001 survey- 2000 bach degree recipients FY04: 2002 survey- 2001 bach degree recipients	4.7	% of bachelor's recipients enrolled in grad/professional study 1 year later	MHEC follow-up survey of graduates (Schaefer Center Survey for 2000 graduates/ 2001 Survey)	The number of bachelor's degree recipients reporting "yes, I am currently enrolled full-time", "yes, I am currently enrolled part-time", or "yes, but I am not currently enrolled" in graduate or professional study one year following graduation per the total number of bachelor's degree recipients responding to the survey and answering the question.
QUALITY					
24	FY00: FY99 FY01: FY00 FY02: FY01 FY03: FY02	1.2	Percent of undergraduate students who completed teacher training program and passed Praxis II (or the NTE, if applicable during the transition period)	Institution (UMBC Dept. of Educ.)	The number of undergraduate students who passed the Praxis II (or NTE if applicable) divided by the number of undergraduate students who took Praxis II
25	FY00: FY99 FY01: FY00 FY02: FY01 FY03: FY02	1.2	Percent of post-baccalaureate students who completed teacher training program and passed Praxis II (or the NTE, if applicable during the transition period)	Institution (UMBC Dept. of Educ.)	The number of post-bach. students who passed the Praxis II (or NTE if applicable) divided by the number of post-bach. students who took Praxis II.
UMBC13	FY00: FY99 FY01: FY00 FY02: FY01 FY03: FY02	1.6	Rank in IT bachelor's degrees awarded	IPEDS Completions Files	Rank among UMBC peers in the total # of bachelor's degrees awarded in IT: (includes those degrees in Computer & Information Sciences; Computer Programming; Data Processing Tech.; Information Sciences & Systems; Computer Systems Analysis; Computer Science; Computer Engineering; Electrical, Electronics & Communication.)
UMBC10	FY00: FY98 FY01: FY99 FY02: FY00 FY03: FY01	2.4	Rank among peers in ratio of invention disclosures to \$million in R&D expenditures	AUTM/NSF	Number of invention disclosures, no matter how comprehensive, counted by institution (AUTM) per millions of \$ in R&D expenditures
26	FY00: Calendar Year 99	4.3	Number of faculty receiving prestigious awards	Diverse national	Awards counted: Fulbrights, Guggenheims, NEH

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Measure #	Special Timeframe Issues	USM Template Objective	Indicator/Measure	Source	Operational Definition
	FY01: Calendar Year 00 FY02: Calendar Year 01 FY03: Calendar Year 02			data sources (USM Office)	fellowships, CAREER (Young Investigator) awards, Sloan fellowships, and membership in any of the following: Institute of Medicine, National Academy of Engineering, National Academy of Sciences, American Academy of Arts & Sciences, National Academy of Education. This information will be provided by USM Office.
27	FY00: 1997 survey- 1996 bach degree recipients FY01: 1998 survey- 1997 bach degree recipients FY02: 2000 survey- 1999 bach degree recipients FY03: 2001 survey- 2000 bach degree recipients FY04: 2002 survey- 2001 bach degree recipients	4.5	Student satisfaction with education received for employment	MHEC follow-up survey of graduates (Schaefer Center Survey for 2000 graduates/ 2001 Survey)	The percentage of bachelor's degree recipients employed full-time within one year of graduation and who rated their education as excellent, good, or adequate (fair) preparation for their job (including those who were undecided in the denominator.)
28	FY00: 1997 survey- 1996 bach degree recipients FY01: 1998 survey- 1997 bach degree recipients FY02: 2000 survey- 1999 bach degree recipients FY03: 2001 survey- 2000 bach degree recipients FY04: 2002 survey- 2001 bach degree recipients	4.6	Student satisfaction with education received for graduate or professional school	MHEC follow-up survey of graduates (Schaefer Center Survey for 2000 graduates/ 2001 Survey)	The percentage of bachelor's degree recipients who enrolled FT or PT in graduate or professional school within one year of graduation and who rated their preparation for advanced education as excellent, good or adequate (fair).
UMBC14	FY99: Fall 1998 FY00: Fall 1999 FY01: Fall 2000 FY02: Fall 2001	4.8	Rank in median SAT	U.S. News	Rank among UMBC peers in median SAT score.

EFFICIENCY

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Measure #	Special Timeframe Issues	USM Template Objective	Indicator/Measure	Source	Operational Definition
29	FY00: FY00 FY01: FY01 FY02: FY02 FY03: FY03	5.1	Rate of operating budget savings	<i>Efficiency Efforts of the USM</i>	Detailed definition included in report. Efficiency includes specific actions resulting on cost savings; cost avoidance; strategic reallocation; and revenue enhancement
30	FY00: FY00 FY01: FY01 FY02: FY02 FY03: FY03	6.1	% of replacement cost expended in facility renewal and renovation	USM Office of Capital Budget	Expenditures from operating and capital budgets on facility renewal and renovation as a percentage of the total replacement value. USM Office will provide replacement value. <[Operating facilities renewal (state supported) + capital facilities renewal (amount included in Academic Revenue Bonds) divided by the 2% replacement value] multiplied by .02 >

Source abbreviations:

EIS - MHEC Enrollment Information System

DIS - MHEC Degree Information System

UMF - University of Maryland Foundation