

4/10/2006 UMBC MFR Operational Definitions

OPERATIONAL DEFINITIONS FOR MFR/ACCOUNTABILITY MEASURES/INDICATORS					
Measure #	Special Timeframe Issues	USM Template Objective	Indicator/Measure	Source	Operational Definition
INPUTS					
1	FY 02: Fall 01 FY 03: Fall 02 FY 04: Fall 03 FY 05: Fall 04	2.1	Number of undergraduate students enrolled 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).
2	FY 02: Fall 01 FY 03: Fall 02 FY 04: Fall 03 FY 05: Fall 04	2.1	Number of post- baccalaureate students enrolled 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)
3	FY 02: Fall 01 FY 03: Fall 02 FY 04: Fall 03 FY 05: Fall 04	2.2	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

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4	FY 02: Fall 01 FY 03: Fall 02 FY 04: Fall 03 FY 05: Fall 04	4.1	% African- American of all undergraduates	EIS	% of undergraduates with race/ethnicity of African-American
5	FY 02: Fall 01 FY 03: Fall 02 FY 04: Fall 03 FY 05: Fall 04	4.1	% minority of all undergraduates	EIS	Minority: African-American, Hispanic, Asian American, Native American
6	FY 02: Fall 01 FY 03: Fall 02 FY 04: Fall 03 FY 05: Fall 04	5.1	Ratio of FTE students to FT instructional faculty	IPEDS Enrollments & Faculty Salary Survey	Full-time students plus one-third part time students per FT faculty (Full-time instructional faculty with rank of professor, associate professor, assistant professor, instructor & lecturer)
OUTPUTS					
7	FY 02: FY 02 FY 03: FY 03 FY 04: FY 04 FY 05: FY 05	2.2	Number of students graduating from IT baccalaureate programs	DIS	Use MAITI definition of IT program: see #3
8	FY 02: FY 02 FY 03: FY 03 FY 04: FY 04 FY 05: FY 05	3.2	Number of jobs created by UMBC's Technology Center & Research Park	Exec.Dir/UM Technology Center & Research Park	Total number of jobs created by companies in UMBC Technology Center & Research Park.
9	FY 02: cohort of 2000 FY 03: cohort of 2001 FY 04: cohort of 2002 FY 05: cohort of 2003	4.2	African-American second-year retention rate	MHEC: EIS, DIS	The percentage of African-American first-time, full-time degree-seeking undergraduates who re-enrolled at any Maryland public four-year institution one year after matriculation. Data provided by MHEC.

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10	FY 02: cohort of 1995 FY 03: cohort of 1996 FY 04: cohort of 1997 FY 05: cohort of 1998	4.3	African-American six-year graduation rate	MHEC : EIS, DIS	The percentage of African-American first-time, full-time degree-seeking undergraduates who graduated from any Maryland public four-year institution within six years of matriculation. Institutions may provide additional refinements based on IPEDS' national definition. Data provided by MHEC
11	FY 02: cohort of 2000 FY 03: cohort of 2001 FY 04: cohort of 2002 FY 05: cohort of 2003	5.1	Second-year retention rate	MHEC: EIS, DIS	The percentage of first-time, full-time degree-seeking undergraduates who re-enrolled at any Maryland public four-year institution one year after matriculation. Data provided by MHEC.
12	FY 02: cohort of 1995 FY 03: cohort of 1996 FY 04: cohort of 1997 FY 05: cohort of 1998	5.2	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. Institutions may provide additional refinements based on IPEDS' national definition. Data provided by MHEC
13	FY 02: FY 02 FY 03: FY 03 FY 04: FY 04 FY 05: FY 05	5.3	Number of Ph.D. degrees awarded	DIS	Total number of Ph.D. degrees awarded
14	FY 02: Fall 00 Faculty/FY 01\$ FY 03: Fall 01 Faculty/FY 02\$ FY 04: Fall 02 Faculty/FY 03\$ FY 05: Fall 03 Faculty/FY 04\$	6.1	\$s in total federal R&D expenditures per FT faculty (thousands)	NSF/ AAUP	UMBC \$s in total Federal R&D expenditures (NSF) per FT Faculty (as defined by AAUP: full-time faculty in ranks of professor, associate professor, and assistant professor)

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15	FY 02: FY 95-FY 00 FY 03: FY 96-FY 01 FY 04: FY 97-FY 02 FY 05: FY 98-FY 03	6.2	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	FY 02: 1998 survey- 1997 bach degree recipients FY 03: 2000 survey- 1999 bach degree recipients FY 04: 2002 survey- 2001 bach degree recipients FY 05: 2005 survey- 2004 bach degree recipients	1.1	Employment rate of graduates	MHEC follow-up survey of graduates	The percentage of bachelor’s degree recipients who held full- or part-time jobs within one year of graduation.
17	FY 02: 1998 survey- 1997 bach degree recipients FY 03: 2000 survey- 1999 bach degree recipients FY 04: 2002 survey- 2001 bach degree recipients FY 05: 2005 survey- 2004 bach degree recipients	1.3	% of bachelor’s degree recipients enrolled in grad/professional study 1 year later	MHEC follow-up survey of graduates	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 # of bachelor’s degree recipients answering the survey and responding to this question .
18	FY 02: 1998 survey- 1997 bach degree recipients FY 03: 2000 survey- 1999 bach degree recipients FY 04: 2002 survey- 2001 bach degree recipients FY 05: 2005 survey- 2004 bach degree recipients	1.3	% of African-American bachelor’s degree recipients enrolled in grad/professional study 1 year later	MHEC follow-up survey of graduates	The number of African-American 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 African-American bachelor’s degree recipients responding to the survey and answering the question.

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19	FY 02: 1998 survey- 1997 bach degree recipients FY 03: 2000 survey- 1999 bach degree recipients FY 04: 2002 survey- 2001 bach degree recipients FY 05: 2005 survey- 2004 bach degree recipients	1.5	% of bachelor's degree recipients employed and/or enrolled in grad/ professional study 1 year later	MHEC follow-up survey of graduates	The percentage of bachelor's degree recipients who held full- or part-time jobs within one year of graduation AND/OR enrolled in graduate or professional school (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 questions.
20	FY 02: 1998 survey- 1997 bach degree recipients FY 03: 2000 survey- 1999 bach degree recipients FY 04: 2002 survey- 2001 bach degree recipients FY 05: 2005 survey- 2004 bach degree recipients	1.5	% of African- American bachelor's degree recipients employed and/or enrolled in grad/ professional study 1 year later	MHEC follow-up survey of graduates	The percentage of African-American bachelor's degree recipients who held full- or part-time jobs within one year of graduation AND/OR enrolled in graduate or professional school (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 African-American bachelor's degree recipients responding to the survey and answering the questions.
21	FY 02: AY 01-02 FY 03: AY 02-03 FY 04: AY 03-04 FY 05: AY 04-05	2.1	Number of students completing all teacher training requirements who are employed in Maryland public schools	MSDE	Self-explanatory. This information will be provided by the USM Office

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22	FY 02: 1998 survey- 1997 bach degree recipients FY 03: 2000 survey- 1999 bach degree recipients FY 04: 2002 survey- 2001 bach degree recipients FY 05: 2005 survey- 2004 bach degree recipients	2.2	Number of graduates from IT programs employed in Maryland	MHEC follow-up survey of graduates	(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 #3 for MAITI definition of IT program
23	FY 02: FY 02 FY 03: FY 03 FY 04: FY 04 FY 05: FY 05	3.1	Number of companies graduating from incubator programs	Exec.Dir./UMBC Technology Center and Research Park	Companies who, having been provided space and services, have moved out into their own space.
QUALITY					
24	FY 02: 1998 survey- 1997 bach degree recipients FY 03: 2000 survey- 1999 bach degree recipients FY 04: 2002 survey- 2001 bach degree recipients FY 05: 2005 survey- 2004 bach degree recipients	1.2	Student satisfaction with education received for employment	MHEC follow-up survey of graduates	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.)
25	FY 02: 1998 survey- 1997 bach degree recipients FY 03: 2000 survey- 1999 bach degree recipients FY 04: 2002 survey- 2001 bach degree recipients FY 05: 2005 survey- 2004 bach degree recipients	1.4	Student satisfaction with education received for graduate or professional school	MHEC follow-up survey of graduates	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).

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26	FY 02: FY 01 FY 03: FY 02 FY 04: FY 03 FY 05: FY 04	2.1	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
27	FY 02: FY 01 FY 03: FY 02 FY 04: FY 03 FY 05: FY 04	2.1	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.
28	FY 02: FY 01 FY 03: FY 02 FY 04: FY 03 FY 05: FY 04	2.2	Rank in IT bachelor's degrees awarded compared to peers	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.)
29	FY 02: FY 00 FY 03: FY 01 FY 04: FY 02 FY 05: FY 03	3.3	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
30	FY 02: Fall 2001 FY 03: Fall 2002 FY 04: Fall 2003 FY 05: Fall 2004	5.1	Rank in ratio of FTE students to FT instructional faculty	IPEDS Enrollments & Faculty Salary Survey	Rank among UMBC peers in the ratio of full-time students plus one-third part time students per FT faculty (Full-time instructional faculty with rank of professor, associate professor, assistant professor, instructor & lecturer)

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EFFICIENCY					
31	FY 02: FY 02 FY 03: FY 03 FY 04: FY 04 FY 05: FY 05	7.1	% 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 >
32	FY 02: FY 02 FY 03: FY 03 FY 04: FY 04 FY 05: FY 05	7.2	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

Source abbreviations:

EIS - MHEC Enrollment Information System, DIS – MHEC Degree Information System