

U-System Accountability

Complete College Montana Metrics & Strategies

Office of the Commissioner of Higher Education
January 2015

2013 Legislature

Senate Joint Resolution 13 – Study College Completion
Performance Funding



Complete College America

Gov. Bullock commits state to **Complete College Montana**



Game Changer Strategies

MUS implements aggressive strategies to improve time to
degree & college completion

SJ 13 requested the MUS to:

- Adopt a set of progress and outcome metrics aimed at measuring college completion;
- Collect data that allows for campus-level analyses, as well as state to state comparisons;
- Develop strategies aimed at increasing completion rates and the number of Montanans who earn college degrees and certificates; and
- Report to the 64th Legislature, the progress in establishing an action plan and the measurement of performance metrics.

Progress & Outcome Metrics

Common set of progress and outcome metrics for all states and a dashboard for comparing states and campuses

[CCA State-Level Comparisons](#)

OUTCOME METRICS

Degree Production

Graduation Rates

Transfer (2yr to 4yr)

Credits/Time to Degree

PROGRESS METRICS

Enrollment in Remedial

Success in Remedial

Success in Gateways

Credit Accumulation

Retention Rates

Course Completion

CONTEXT METRICS

Enrollment

Completion Ratio

Results found at:

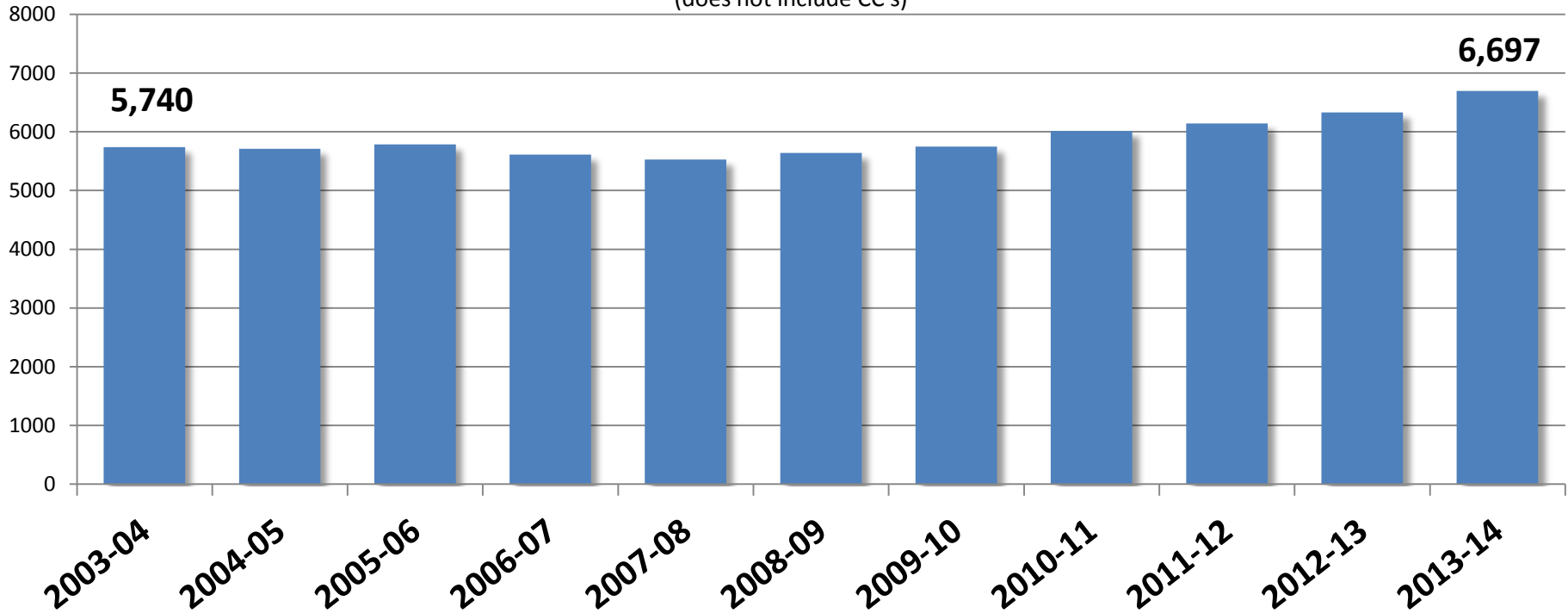
<http://www.mus.edu/CCM>

Outcome Metric #1: Degree Production

DEFINITION: Annual number of unduplicated undergraduate degrees and certificates awarded

Undergraduate Degree & Certificates Awarded - MUS Total

(does not include CC's)



DEGREES/CERTIFICATES	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Certificates of Applied Science	99	121	144	198	220	224	217	238	201	235	247
Associate Degrees	855	898	940	938	915	935	1056	1143	1426	1389	1418
Bachelor's Degrees	4786	4693	4702	4476	4394	4482	4475	4637	4515	4706	5032
Total	5740	5712	5786	5612	5529	5641	5748	6018	6142	6330	6697

Outcome Metric #2: Graduation Rates

DEFINITION: The % of undergraduate students who graduate within 100%, 150%, and 200% of expected (full-time) program length

Graduation Rates

First-time, Full-time, **Bachelor's Degree** Seeking Cohorts;

(includes students that transferred and graduated from another MUS campus)

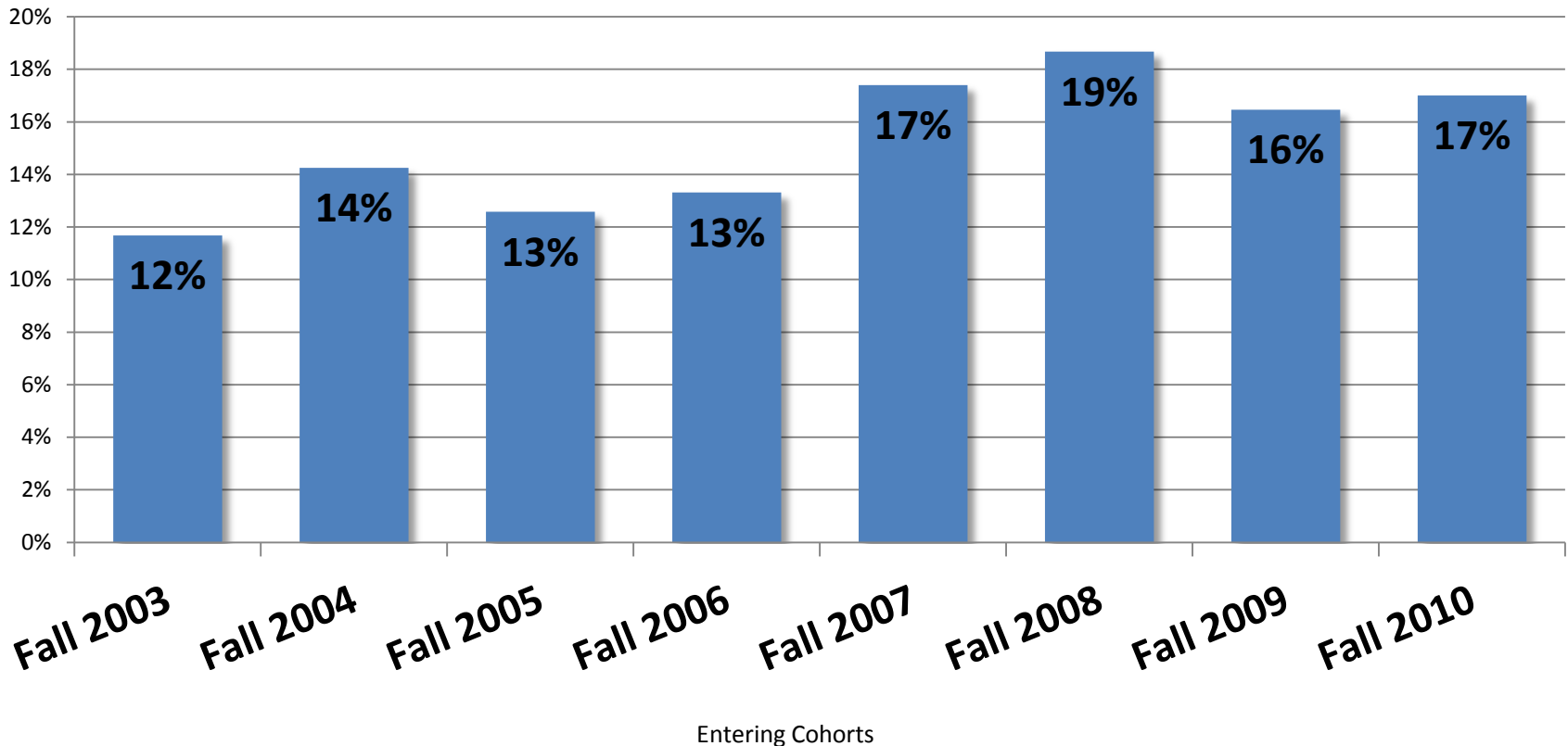
Entering Cohort	Entering Cohort #	Graduation Rates (cumulative)					
		3 year	4 year (100%)	5 year	6 year (150%)	7 year	8 year (200%)
Fall 2002	4924	0%	16%	37%	45%	48%	49%
Fall 2003	4971	1%	18%	38%	45%	48%	50%
Fall 2004	4928	0%	17%	38%	45%	49%	50%
Fall 2005	4857	1%	19%	40%	48%	51%	53%
Fall 2006	4612	0%	19%	41%	49%	52%	54%
Fall 2007	4600	1%	20%	40%	48%	52%	
Fall 2008	4710	1%	19%	40%	48%		
Fall 2009	4609	1%	20%	40%			
Fall 2010	4933	1%	21%				
Fall 2011	4711	1%					

Outcome Metric #3: Transfer Rates

DEFINITION: Annual number and percentage of students who transfer from a MUS two-year campus to a MUS four-year campus

MUS Transfer Rate

% of students transferring from a MUS 2-year campus to a MUS 4-year campus
within 8 semesters from term of entry



Outcome Metric #4a: Time to Degree

DEFINITION: Average length of time in years a student takes to complete a bachelor's degree

Time to Degree

Bachelor's Degree Recipients

Average time in years for new students (native, non-transfers) to graduate
 Graduating cohorts limited to 8 previous years of enrollment prior to graduation

Graduating Cohorts

CAMPUS	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
MSU Billings	4.63	4.77	4.64	4.74	4.72	4.77
MSU Northern	4.48	4.77	4.30	4.67	4.48	4.27
MSU Bozeman	4.51	4.56	4.53	4.58	4.58	4.41
UM Missoula	4.51	4.59	4.57	4.45	4.43	4.48
MT Tech	4.43	4.37	4.40	4.32	4.66	4.62
UM Western	4.59	4.38	4.43	4.69	4.69	4.59
MUS AVG	4.51	4.58	4.54	4.55	4.54	4.47

DEFINITION: Average number of credits earned by bachelor's degree recipients

Credits to Degree

Bachelor's Degree Recipients

Average credits earned for new students (native, non-transfers) at the time of graduation
 Graduating cohorts limited to 8 previous years of enrollment prior to graduation

(based on IL_Hours_Earned)

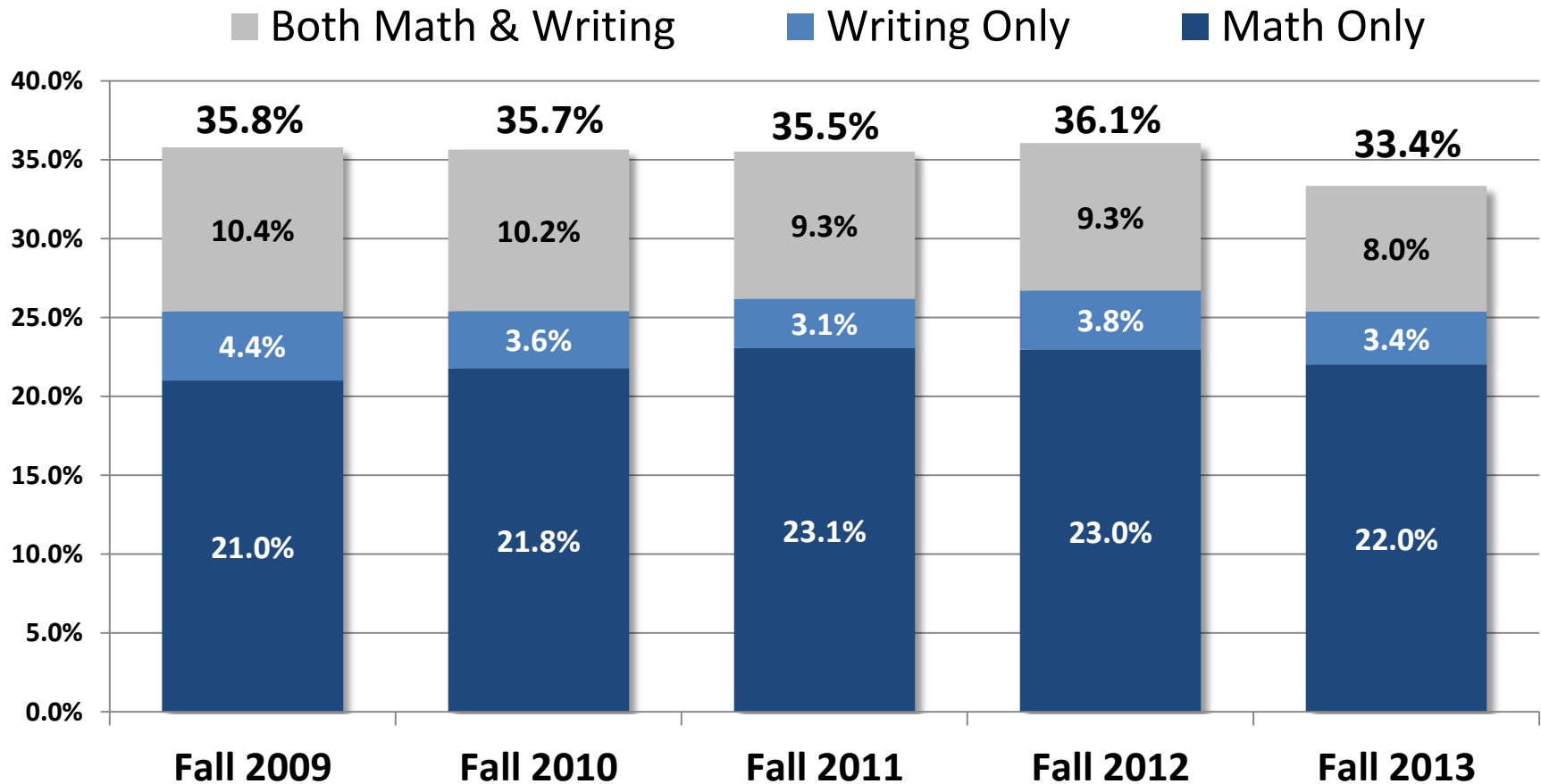
Graduating Cohorts

CAMPUS	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
MSU Billings	132.1	132.9	133.3	130.8	134.6	129.5
MSU Northern	134.7	129.0	138.6	140.9	134.1	131.9
MSU Bozeman	131.9	132.0	131.7	132.0	133.0	130.6
UM Missoula	129.5	131.9	132.5	130.4	131.1	130.4
MT Tech	139.2	138.1	140.5	140.4	141.4	141.4
UM Western	142.7	138.2	141.7	144.2	144.2	140.9
MUS Avg	131.7	132.4	133.1	132.4	133.1	131.4

Progress Metric #1: Enrollment in Remediation

DEFINITION: % of first-time freshmen enrolling in at least one remedial Math and/or Writing course in their first academic year

Remediation Rates



DEFINITION: % of first-time freshmen enrolling in at least one remedial course and going on to complete a college level course within the same subject

Success in Remediation & Gateway Courses

Fall 2009 Cohort	Fall 2010 Cohort	Fall 2011 Cohort	Fall 2012 Cohort
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Math

Percentage of first-time freshmen enrolling in at least one remedial Math course during their first academic year and continuing on to complete a college level Math or Statistics course within two academic years from any campus within MUS

4-year Campuses	44%	43%	42%	45%
2-year Campuses	28%	27%	27%	27%
MUS Total	38%	36%	36%	37%

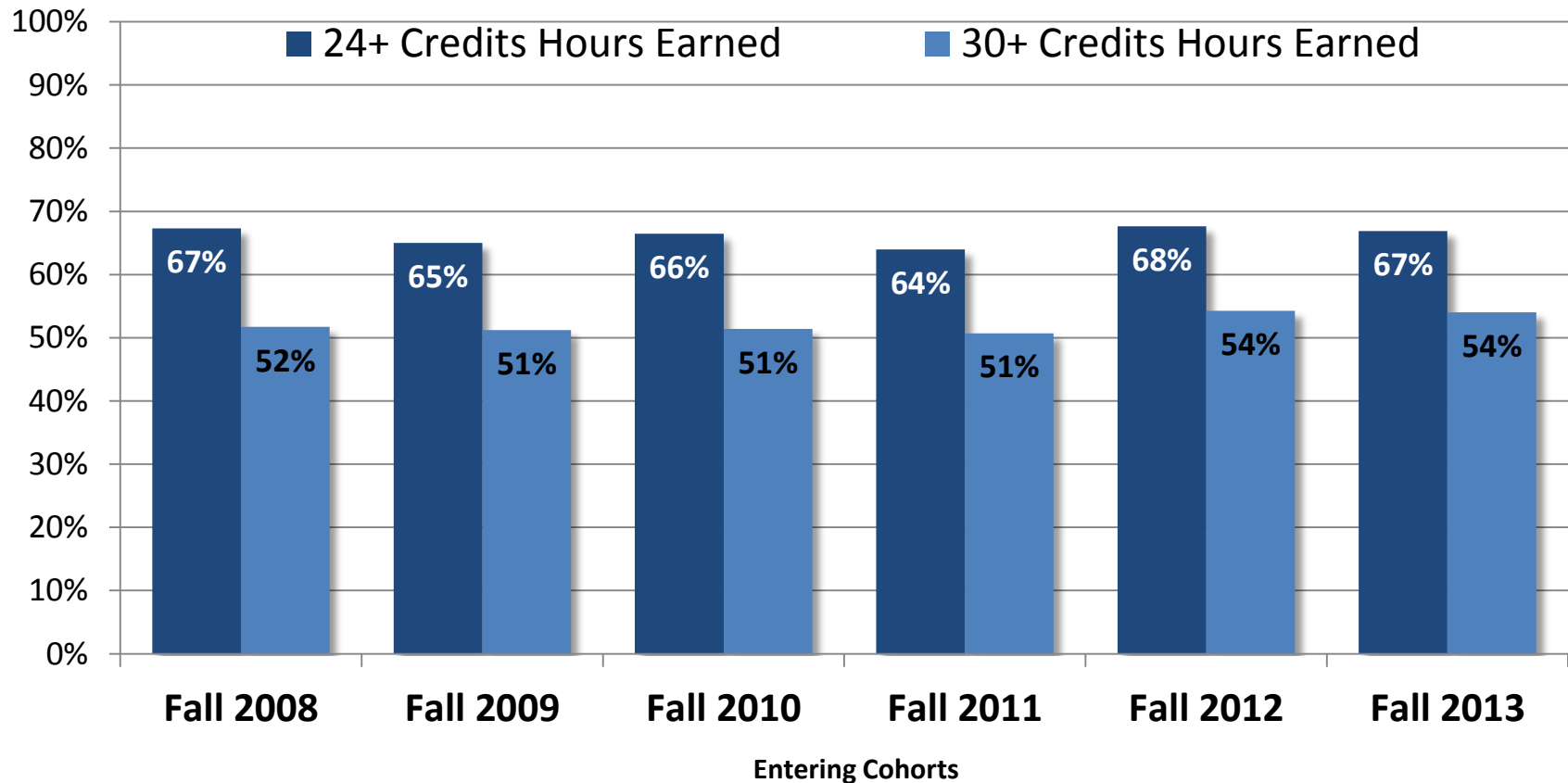
Writing

Percentage of first-time freshmen enrolling in at least one remedial Writing course during their first academic year and continuing on to complete a college level Writing course within two academic years from any campus within MUS

4-year Campuses	57%	59%	63%	61%
2-year Campuses	38%	38%	41%	44%
MUS Total	48%	48%	51%	51%

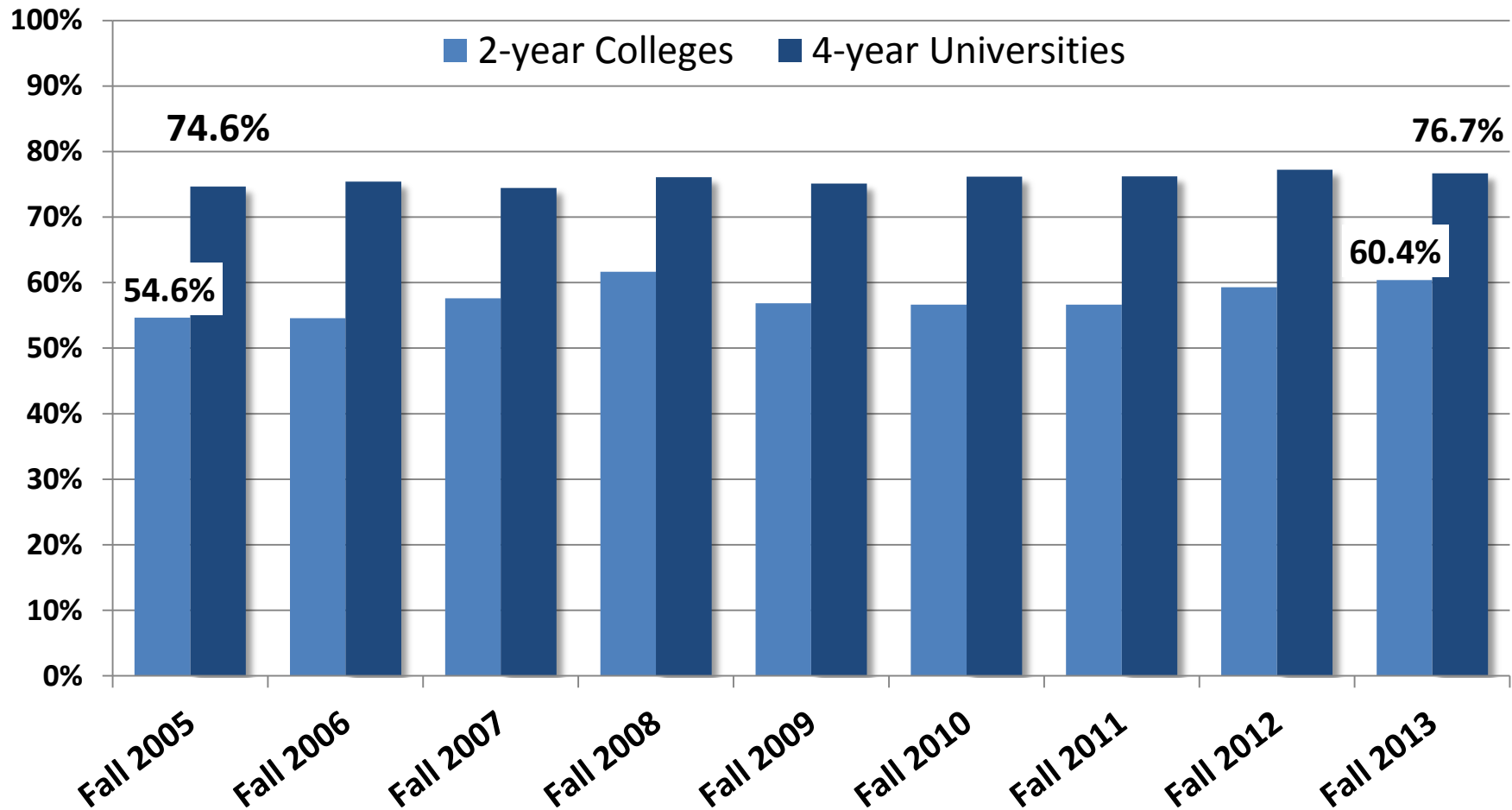
DEFINITION: Percentage of first-time full-time freshmen completing 24 or more credit hours within the first academic year.

Credit Accumulation



DEFINITION: Percentage of First-time, Full-time Freshmen Returning for a Second Year of Enrollment in the MUS

Retention Rates



DEFINITION: % of successfully completed credit hours out of the total number attempted by first-time freshmen within their first academic year (fall and spring semesters)

Course Completion

(credit hours passed / credit hours attempted)

Hours_passed (i.e. successful completion)
 = grades of A,B,C,D,P)

Entering Cohorts			
Fall 2010	Fall 2011	Fall 2012	Fall 2013

4-year Campuses

All Students	82.9%	81.9%	82.8%	82.6%
Low Income (Pell recipients)	78.2%	76.4%	77.8%	77.7%
Remedial Enrollees	67.4%	66.0%	65.8%	65.4%

2-year Campuses

All Students	69.0%	68.7%	71.2%	74.3%
Low Income (Pell recipients)	66.0%	65.0%	67.8%	69.9%
Remedial Enrollees	62.5%	62.6%	65.6%	66.6%

Context Metric #1: Enrollment

DEFINITION: Unduplicated headcount of undergraduate students enrolled each academic year

Enrollment

CAMPUS	2003-04	2012-13	2013-14	1 Year	10 Year
				%CHG	%CHG
MSU-Bozeman	11,534	13,238	13,591	2.7%	17.8%
Gallatin College MSU		326	505	54.9%	
MSU-Billings	4,386	4,007	3,802	-5.1%	-13.3%
City College at MSUB	918	1,733	1,680	-3.1%	83.0%
MSU-Northern	1,734	1,448	1,498	3.5%	-13.6%
Great Falls College MSU	2,108	2,544	2,578	1.3%	22.3%
UM-Missoula	11,414	11,054	10,655	-3.6%	-6.6%
Missoula College UM	1,203	3,014	2,948	-2.2%	145.1%
MT-Tech	2,071	2,002	1,993	-0.4%	-3.8%
Highlands College of MT Tech	416	1,070	1,160	8.4%	178.8%
UM-Western	1,279	1,560	1,494	-4.2%	16.8%
Helena College UM	1,192	2,180	1,851	-15.1%	55.3%
Total	38,255	44,176	43,755	-1.0%	14.4%

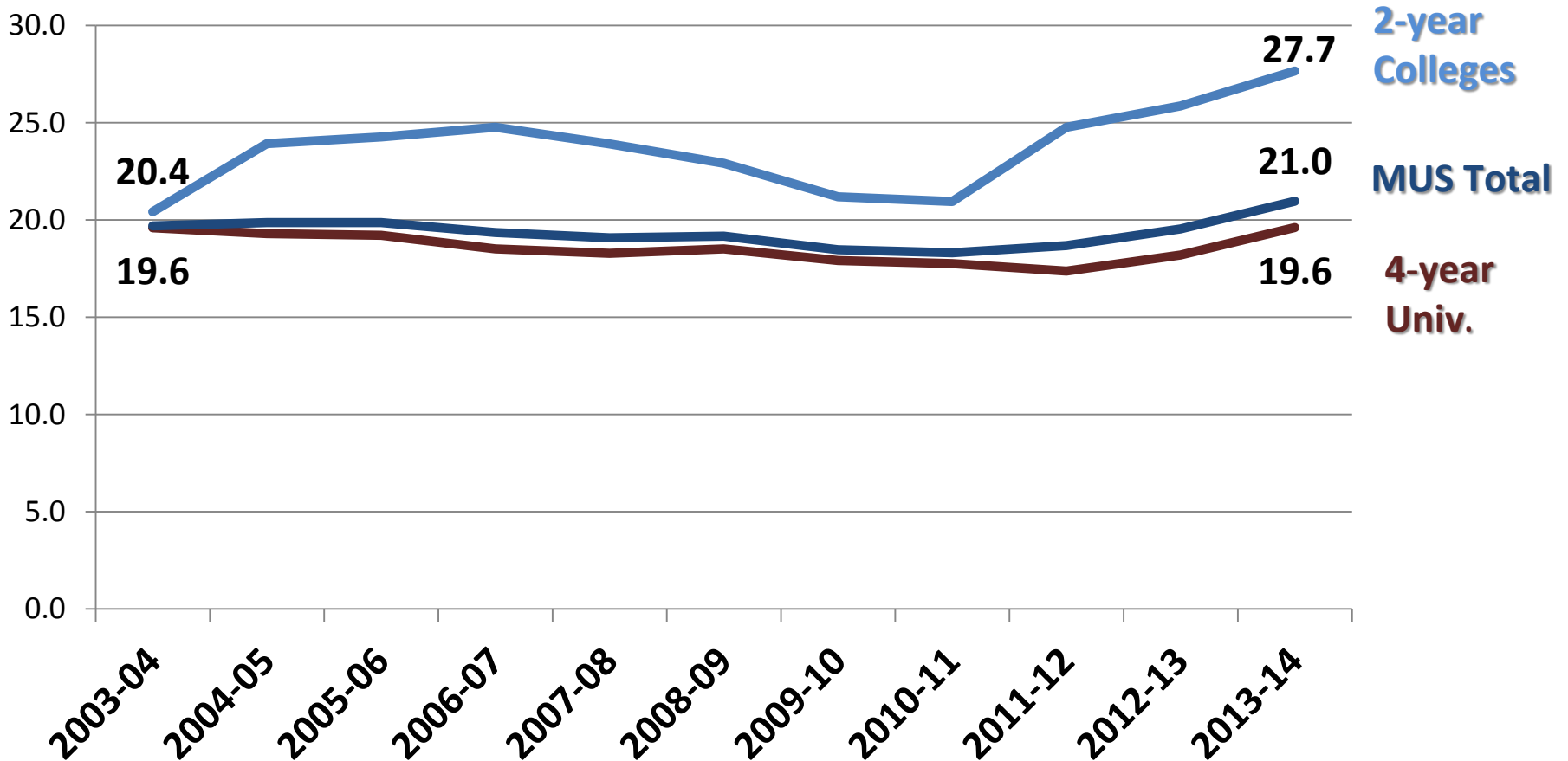
By Campus Type

4-year Universities	32,418	33,309	33,033	-0.8%	1.9%
2-year Colleges (not including CC's)	5,837	10,867	10,722	-1.3%	83.7%

Context Metric #2: Completion Ratio

DEFINITION: Annual ratio of undergraduate degrees and certificates awarded per 100 full-time equivalent (FTE) undergraduate students

Completion Ratio



Game Changer Strategies

#1 Performance Funding

#2 Developmental Education Reform

#3 Full-time is Fifteen

#4 Structured Schedules – Block Scheduling

#5 Guided Pathways / Math Pathways / Advising

#6 Dual Enrollment

Full-time is Fifteen

- 1) Use banded tuition so 15 credits per semester cost students no more than 12 credits. **(MUS Flat Spot)**
- 2) Cap degree credit requirements (120 for bachelor's and 60 for associate) to ensure degrees can be completed on time. **BOR Policies [301.11](#) and [301.12](#)**
- 3) Inform and incentivize students to attend full-time -- 15 credits per semester.
MSU - [Freshmen 15](#) UM – [Four Bear](#)