

## MEMORANDUM



**DATE:** April 11, 2006  
**TO:** House Appropriations Subcommittee on Higher Education  
**FROM:** Kyle I. Jen, Senior Fiscal Analyst  
**RE:** State University Graduation Rates

This memo provides data on current and historical graduation rates at state universities in Michigan, identifies factors influencing graduation rates, provides comparisons with graduation rates at similar institutions, discusses limitations associated with graduation rates, and provides an alternate degree completion measure.

### **Current Graduation Rate Data**

Graduation rates are reported by higher education institutions on an annual basis to the federal government as a condition of eligibility to participate in federal financial aid programs (Pell Grants, Stafford Loans, etc.). Data on institutions' graduation rates are available through the federal Integrated Postsecondary Education System (IPEDS). These rates measure the percentage of first-time, full-time, degree-seeking students at an institution earning a degree from that institution within a specified time period.

Attachment 1 shows the most recent four-, five-, and six-year graduation rates for Michigan's 15 public universities. The universities are ranked based on their six-year graduation rates, which are the most frequently cited. The rates are based on the cohort of students entering college in 1998—graduating by 2004 for the six-year graduation rates.

For each time period, the graduation rates vary substantially across the 15 universities:

- From 6.6 percent to 67.2 percent at the four-year level
- From 21.4 percent to 84.3 percent at the five-year level
- From 31.7 percent to 86.6 percent at the six-year level

UM-Ann Arbor's rates are substantially higher than the other universities' rates, particularly at the four-year level. This reflects, among other things, that a very high percentage of UM-Ann Arbor's undergraduate students enroll for a full load of courses (30 credit hours per academic year).

The overall graduation rate for the 15 universities—weighted based on the number of incoming students at each university—increases from 28.2 percent at the four-year level to 51.7 percent at the five-year level to 58.7 percent at the six-year level. Each of these rates is higher than the national average for public, four-year institutions. The gap is highest at the six-year level, at which Michigan's rate is 5.5 percentage points higher than the national rate.

### **Historical Graduation Rate Data**

Attachment 2 shows the six-year graduation rates for Michigan's state universities from 1997 to 2004. (The year of the data refers to the deadline for a student to graduate for the six-year rate.) Fourteen of the fifteen universities show improvement in their graduation rates over this time period. The exception is Wayne State, which did not report graduation rates prior to 2002; it appears that

reporting was voluntary up until that point. The largest improvement was experienced by Northern, whose rate increased by 9.4 percentage points, from 35.7 percent in 1997 to 45.1 percent in 2004.

### **Factors Influencing Graduation Rates**

Researchers have identified a number of factors that are statistically correlated to institutions' graduation rates. Using a regression analysis, the Education Trust identified the following 11 factors as having an influence on graduation rates:

- Estimated median SAT or ACT equivalent of freshman class
- Admissions selectivity
- Carnegie classification
- Percent of undergraduates receiving Pell Grants
- Public vs. private sector
- Number of full-time equivalent (FTE) undergraduates
- Student-related expenditures per FTE student
- Percent of FTE undergraduate students age 25 or over
- Status as a historically black college or university
- Percent of undergraduates who are enrolled part-time
- Status as a commuter campus<sup>1</sup>

These factors vary in their level of influence on graduation rates. The Education Trust identifies the percent of undergraduates receiving Pell Grants as the factor with the highest level of influence on graduation rates.

### **Comparisons with Graduation Rates at Similar Institutions**

Utilizing the 11 factors above, the Education Trust has created an algorithm that identifies the 15 most similar institutions for a given higher education institution, allowing for graduation rate comparisons with those comparable institutions. Attachment 3 shows the results of this comparison for Michigan's 15 state universities, downloaded from the trust's website (<http://www.collegeresults.org>). Note that the rates in this attachment are based on 2003 graduation rate data; the comparisons have not been updated with 2004 data yet.

### **Data Limitations Associated with Graduation Rates**

Graduation rates measure the percentage of first-time, full-time, degree-seeking students entering an institution who go on to earn a degree at that institution within a specified time period. Part-time students are not included. While the rates are based on standard definitions, differences may exist in how postsecondary institutions classify students as degree-seeking or non-degree-seeking.

The rates are institution-based, rather than student-based. They do not account for students transferring out of the particular institution and subsequently earning a degree at another institution or students transferring into the particular institution and subsequently earning a degree. For example, a student earning two years of credit at a community college, but not applying to receive an associate's degree, and then transferring to earn a bachelor's degree at a state university would not be reflected as a graduate in either the community college's or the university's graduation rates.

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<sup>1</sup>The Education Trust, Technical Notes for College Results Online, 2005. Available at the following internet address: <http://www.collegeresults.org/aboutthedata.aspx>.

Accounting for these different degree paths would require a postsecondary student record-based database. While some states have endeavored to create such databases, neither the State of Michigan nor the federal government has taken this step to date.

A recent study based on student-record level data available for a national sample of students graduating from high school in 1992 found the following:

- *A third of traditional-age students who started in a four-year college earned a bachelor's degree from the same school in the "traditional" four-year period.*
- *Between 54 and 58 percent earned the degree from the same school in which they began within six years of entry.*
- *When the option of earning a degree from a different four-year college than the one in which these students commenced study, the six-year completion rates are in the 62–67 percent range.*
- *Only the NELS:88/2000 [the study based on the class of 1992] extends the time period for earning a degree beyond six years; at 8.5 years, its degree completion rate for students who started in a four-year college approaches 70 percent.<sup>2</sup>*

Graduation rates provide the broadest measure of degree completion at the individual student level possible based on current available data for Michigan postsecondary institutions. They do not, however, capture all degree activity occurring in the realm of postsecondary education.

#### **Alternate Degree Completion Measure**

One of the limitations associated with graduation rates is that the rates only capture a subset of instructional activity occurring at a university. An alternate degree completion measure is a university's ratio of degrees completions to fiscal year equated students (FYES). This measure captures all enrollment and degree completions at each university.

Attachment 4 shows the ratio of undergraduate degree completions to FYES at each state university in FY 2004-05. The degrees column of the spreadsheet includes bachelor's degrees granted plus half of associate's degrees granted, to reflect that associate's degree program are generally half the length of bachelor's degree programs. The ratios of the fifteen universities range from 0.15 to 0.24, with UM-Ann Arbor having the highest ratio.

While this ratio does provide a broader measure of degree completion, it also tends to reward universities with higher numbers of students transferring into the university. Such a student could earn a bachelor's degree at the university without having enrolled for four years of instruction there. Also, this ratio would tend to benefit the four state universities that award associate's degrees, as some students enrolled at those institutions may earn both associate's and bachelor's degrees during the time of their enrollment.

Please call if you have questions or would like additional information on this topic.

Attachments (4)

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<sup>2</sup> Clifford Adelman, "The Toolbox Revisited: Paths to Degree Completion from High School Through College," U.S. Department of Education: February 2006, pages xxiv-xxv. Report available at the following internet address: <http://www.ed.gov/rschstat/research/pubs/toolboxrevisit/toolbox.pdf>

c: Mitch Bean, HFA Director  
Mary Ann Cleary, HFA Associate Director  
Don Cooper, House Republican Staff  
Lisa Hansknecht, House Democratic Staff

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**ATTACHMENT 1****State University Graduation Rates**

*Percentage of first-time, full-time bachelor degree-seeking students earning degree within specified time period*  
 2004 data (1998 student cohort; graduating by 2004 for 6-year rate)

<b>University</b>	<b>4-Year Grad. Rate</b>	<b>5-Year Grad. Rate</b>	<b>6-Year Grad. Rate</b>
UM-Ann Arbor	67.2	84.3	86.6
Michigan State	35.6	65.9	71.3
Michigan Tech	27.8	56.4	62.5
Central	19.0	45.8	55.4
Western	19.3	46.2	54.7
Grand Valley	18.9	42.1	49.8
UM-Dearborn	13.4	38.9	49.7
Oakland	12.1	34.9	46.7
Northern	21.8	42.4	45.1
Eastern	10.4	30.0	41.0
UM-Flint	9.8	28.1	37.4
Lake Superior	14.9	31.3	37.0
Saginaw Valley	6.6	25.1	35.1
Ferris	10.1	30.7	34.7
Wayne State	7.0	21.4	31.7
<b>Weighted Average</b>	<b>28.2</b>	<b>51.7</b>	<b>58.7</b>
National Average: Public 4-Year Univs.	26.8	47.4	53.2
Mich. Avg. Above/ (Below) National Avg.	1.4	4.3	5.5

Source: Federal IPEDS system

Prepared by Kyle I. Jen, House Fiscal Agency

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**ATTACHMENT 2****Six-Year Graduation Rates**

1997 to 2004 (Student Cohorts Entering Six Years Prior)

<b>University</b>	<b>1997</b>	<b>1998</b>	<b>1999</b>	<b>2000</b>	<b>2001</b>	<b>2002</b>	<b>2003</b>	<b>2004</b>	<b>Pct. Point Change 1997 to 2004</b>
Central	53.6	46.7	52.2	50.3	51.5	47.4	52.3	55.4	1.8
Eastern	36.9	34.8	33.1	33.8	34.3	38.3	37.7	41.0	4.1
Ferris	30.9	29.9	27.9	26.3	26.3	27.5	34.1	34.7	3.8
Grand Valley	42.8	48.3	45.9	47.2	46.2	48.3	49.0	49.8	7.0
Lake Superior	34.1	34.9	38.8	35.2	37.8	38.0	43.2	37.0	2.9
Michigan State	66.2	66.4	64.0	66.0	68.5	69.1	69.5	71.3	5.1
Michigan Tech	60.4	62.1	65.8	63.3	64.0	64.5	60.7	62.5	2.1
Northern	35.7	36.4	40.8	39.4	46.5	42.3	44.8	45.1	9.4
Oakland	41.6	41.3	40.0	39.4	40.6	41.1	43.8	46.7	5.1
Saginaw Valley	26.4	29.8	27.3	33.4	27.0	31.1	33.0	35.1	8.7
UM-Ann Arbor	82.3	82.5	81.5	81.9	83.0	84.2	85.1	86.6	4.3
UM-Dearborn	45.6	42.6	43.4	44.9	47.5	46.1	54.2	49.7	4.1
UM-Flint	31.1	34.5	33.5	38.4	40.3	38.1	39.7	37.4	6.3
Wayne State	*	*	*	*	*	33.7	31.0	31.7	--
Western	52.2	50.7	54.9	54.9	53.2	53.2	56.1	54.7	2.5

\*Wayne State did not report graduation rates for years prior to 2002.

Source: IPEDS via [www.collegeresults.org](http://www.collegeresults.org)

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**ATTACHMENT 3**

**Six-Year Graduation Rates Compared to Similar Institutions**

State Universities: 2003 Data (1997 student cohort)

**CENTRAL MICHIGAN UNIVERSITY**

Institution	State	Sector	Median SAT	Carnegie Class	Student-Related Expenditures/FTE	Size	Pct Pell	% Underrep Minority	Grad Rate
Oregon State University	OR	Public	1,070	Doctoral/Research Extensive	\$8,024	14,504	27.8%	6.0%	60.6%
Washington State University	WA	Public	1,060	Doctoral/Research Extensive	\$9,257	16,799	26.1%	7.7%	60.0%
East Carolina University	NC	Public	1,035	Doctoral/Research Intensive	\$9,665	15,877	25.8%	16.6%	53.8%
Northern Illinois University	IL	Public	1,045	Doctoral/Research Extensive	\$6,532	17,024	26.0%	19.6%	52.9%
<b>Central Michigan University</b>	<b>MI</b>	<b>Public</b>	<b>1,010</b>	<b>Doctoral/Research Intensive</b>	<b>\$6,415</b>	<b>17,941</b>	<b>23.5%</b>	<b>7.7%</b>	<b>52.3%</b>
University Of North Carolina At Charlot	NC	Public	1,065	Masters I	\$7,970	13,359	22.7%	17.7%	49.1%
Grand Valley State University	MI	Public	1,065	Masters I	\$7,271	15,937	22.5%	8.2%	49.0%
University Of Cincinnati - Main Campus	OH	Public	1,045	Doctoral/Research Extensive	\$12,376	16,870	24.1%	15.4%	48.3%
Southwest Missouri State University	MO	Public	1,085	Masters I	\$6,261	13,556	25.9%	4.8%	47.9%
Texas State University	TX	Public	1,080	Masters I	\$5,361	19,111	21.7%	24.0%	46.4%
Western Kentucky University	KY	Public	970	Masters I	\$5,908	13,883	35.8%	9.6%	43.4%
Saint Cloud State University	MN	Public	1,010	Masters I	\$6,531	12,820	20.0%	2.4%	40.8%
Middle Tennessee State University	TN	Public	1,030	Doctoral/Research Intensive	\$6,446	17,704	25.6%	13.7%	39.6%
San Jose State University	CA	Public	980	Masters I	\$7,736	17,419	27.6%	17.7%	39.4%
University Of North Texas	TX	Public	1,090	Doctoral/Research Extensive	\$7,837	20,390	22.1%	21.8%	38.8%
Georgia Southern University	GA	Public	1,045	Masters I	\$6,285	12,730	29.5%	26.1%	37.4%

**EASTERN MICHIGAN UNIVERSITY**

Institution	State	Sector	Median SAT	Carnegie Class	Student-Related Expenditures/FTE	Size	Pct Pell	% Underrep Minority	Grad Rate
University Of Northern Iowa	IA	Public	1,045	Masters I	\$6,757	10,959	23.9%	4.6%	65.1%
Bowling Green State University-Main Cam	OH	Public	1,010	Doctoral/Research Intensive	\$8,505	14,802	20.2%	8.6%	64.7%
Washington State University	WA	Public	1,060	Doctoral/Research Extensive	\$9,257	16,799	26.1%	7.7%	60.0%
East Carolina University	NC	Public	1,035	Doctoral/Research Intensive	\$9,665	15,877	25.8%	16.6%	53.8%
Central Michigan University	MI	Public	1,010	Doctoral/Research Intensive	\$6,415	17,941	23.5%	7.7%	52.3%
University Of North Carolina At Charlot	NC	Public	1,065	Masters I	\$7,970	13,359	22.7%	17.7%	49.1%
California State University-Fullerton	CA	Public	975	Masters I	\$6,395	21,504	29.7%	28.9%	47.6%
Old Dominion University	VA	Public	1,035	Doctoral/Research Extensive	\$8,193	11,241	26.4%	27.0%	41.8%
Saint Cloud State University	MN	Public	1,010	Masters I	\$6,531	12,820	20.0%	2.4%	40.8%
San Jose State University	CA	Public	980	Masters I	\$7,736	17,419	27.6%	17.7%	39.4%
California State University-Sacramento	CA	Public	970	Masters I	\$7,209	19,153	37.0%	21.0%	39.2%
San Francisco State University	CA	Public	990	Masters I	\$7,071	18,817	33.2%	19.5%	38.5%
University Of Nevada-Las Vegas	NV	Public	1,020	Doctoral/Research Intensive	\$7,725	15,672	18.5%	18.7%	37.8%
<b>Eastern Michigan University</b>	<b>MI</b>	<b>Public</b>	<b>970</b>	<b>Masters I</b>	<b>\$7,186</b>	<b>15,768</b>	<b>22.5%</b>	<b>20.0%</b>	<b>37.7%</b>
Marshall University	WV	Public	1,010	Masters I	\$6,216	10,623	32.1%	6.3%	37.6%
Kennesaw State University	GA	Public	1,045	Masters I	\$6,169	11,890	20.0%	12.1%	30.3%

**FERRIS STATE UNIVERSITY**

Institution	State	Sector	Median SAT	Carnegie Class	Student-Related Expenditures/FTE	Size	Pct Pell	% Underrep Minority	Grad Rate
Montclair State University	NJ	Public	1,030	Masters I	\$7,394	9,780	26.0%	26.2%	55.8%
Western Illinois University	IL	Public	990	Masters I	\$7,650	10,202	27.3%	10.3%	55.3%
South Dakota State University	SD	Public	1,025	Doctoral/Research Intensive	\$6,967	7,957	30.1%	2.1%	53.3%
Northern Arizona University	AZ	Public	1,050	Doctoral/Research Intensive	\$7,852	11,565	32.3%	18.1%	51.8%
Central Missouri State University	MO	Public	990	Masters I	\$8,382	7,654	29.7%	7.1%	49.4%
Northern Michigan University	MI	Public	1,010	Masters I	\$6,884	7,831	32.3%	4.6%	44.8%
Southern Illinois University-Edwardsvil	IL	Public	1,010	Masters I	\$8,231	9,417	28.3%	12.7%	44.6%
Western Kentucky University	KY	Public	970	Masters I	\$5,908	13,883	35.8%	9.6%	43.4%
Tarleton State University	TX	Public	965	Masters I	\$5,572	6,379	32.0%	14.1%	43.2%
University Of Tennessee-Martin	TN	Public	1,010	Masters I	\$7,617	4,799	32.8%	16.9%	39.8%
Texas A & M University-Corpus Christi	TX	Public	943	Masters I	\$6,514	5,324	34.5%	38.4%	39.0%
Marshall University	WV	Public	1,010	Masters I	\$6,216	10,623	32.1%	6.3%	37.6%
Stephen F Austin State University	TX	Public	1,025	Masters I	\$5,860	8,871	30.9%	23.9%	35.4%
<b>Ferris State University</b>	<b>MI</b>	<b>Public</b>	<b>950</b>	<b>Masters 2</b>	<b>\$9,671</b>	<b>9,243</b>	<b>31.6%</b>	<b>9.6%</b>	<b>34.1%</b>
Valdosta State University	GA	Public	1,020	Masters I	\$6,509	7,616	31.8%	23.1%	33.3%
Southern Connecticut State University	CT	Public	935	Masters I	\$8,247	6,939	17.6%	18.7%	33.1%

### GRAND VALLEY STATE UNIVERSITY

Institution	State	Sector	Median SAT	Carnegie Class	Student-Related Expenditures/FTE	Size	Pct Pell	% Underrep Minority	Grad Rate
University Of Northern Iowa	IA	Public	1,045	Masters I	\$6,757	10,959	23.9%	4.6%	65.1%
University Of Alabama	AL	Public	1,085	Doctoral/Research Extensive	\$8,837	14,809	23.6%	15.4%	62.5%
Western Washington University	WA	Public	1,120	Masters I	\$7,224	11,793	23.0%	7.2%	62.3%
Colorado State University	CO	Public	1,105	Doctoral/Research Extensive	\$7,551	20,049	15.5%	9.3%	62.1%
University Of South Carolina At Columbi	SC	Public	1,120	Doctoral/Research Extensive	\$10,530	15,634	22.9%	17.0%	61.2%
University Of Oregon	OR	Public	1,105	Doctoral/Research Extensive	\$8,468	14,962	24.9%	5.6%	59.8%
Illinois State University	IL	Public	1,085	Doctoral/Research Intensive	\$7,481	17,240	20.5%	9.0%	59.1%
Oklahoma State University	OK	Public	1,085	Doctoral/Research Extensive	\$7,235	17,224	27.6%	13.9%	58.3%
Towson University	MD	Public	1,090	Masters I	\$6,355	12,694	15.3%	11.8%	56.5%
Kansas State University	KS	Public	1,025	Doctoral/Research Extensive	\$8,132	17,218	25.4%	5.3%	56.2%
University Of Arizona	AZ	Public	1,115	Doctoral/Research Extensive	\$10,467	25,639	23.7%	19.1%	54.7%
East Carolina University	NC	Public	1,035	Doctoral/Research Intensive	\$9,665	15,877	25.8%	16.6%	53.8%
Texas Tech University	TX	Public	1,120	Doctoral/Research Extensive	\$7,698	21,885	21.5%	14.4%	53.7%
<b>Grand Valley State University</b>	<b>MI</b>	<b>Public</b>	<b>1,065</b>	<b>Masters I</b>	<b>\$7,271</b>	<b>15,937</b>	<b>22.5%</b>	<b>8.2%</b>	<b>49.0%</b>
University Of Arkansas Main Campus	AR	Public	1,145	Doctoral/Research Extensive	\$8,994	11,719	26.6%	9.2%	48.3%
Texas State University	TX	Public	1,080	Masters I	\$5,361	19,111	21.7%	24.0%	46.4%

### LAKE SUPERIOR STATE UNIVERSITY

Institution	State	Sector	Median SAT	Carnegie Class	Student-Related Expenditures/FTE	Size	Pct Pell	% Underrep Minority	Grad Rate
University Of Pittsburgh-Johnstown	PA	Public	1,025	Baccalaureate General	\$6,151	2,930	29.7%	1.5%	60.1%
Slippery Rock University Of Pennsylvania	PA	Public	985	Masters I	\$8,199	6,628	30.4%	5.1%	50.2%
Minnesota State University-Moorhead	MN	Public	970	Masters I	\$6,663	6,612	29.6%	3.0%	45.0%
University Of South Carolina At Aiken	SC	Public	1,000	Baccalaureate General	\$6,760	2,635	29.3%	23.8%	44.1%
Valley City State University	ND	Public	990	Baccalaureate General	\$8,408	826	31.0%	5.0%	43.5%
<b>Lake Superior State University</b>	<b>MI</b>	<b>Public</b>	<b>990</b>	<b>Masters 2</b>	<b>\$6,120</b>	<b>2,734</b>	<b>28.6%</b>	<b>9.3%</b>	<b>43.2%</b>
Tarleton State University	TX	Public	965	Masters I	\$5,572	6,379	32.0%	14.1%	43.2%
Northern State University	SD	Public	990	Masters I	\$7,727	2,031	30.0%	3.4%	40.9%
Jacksonville State University	AL	Public	930	Masters I	\$6,197	6,277	43.4%	23.7%	36.6%
Bemidji State University	MN	Public	990	Masters 2	\$7,909	3,837	30.4%	4.2%	34.1%
Minot State University	ND	Public	1,010	Masters I	\$5,943	2,873	41.9%	8.2%	33.8%
Saginaw Valley State University	MI	Public	990	Masters I	\$5,881	6,203	25.7%	7.8%	33.0%
University Of Wisconsin-Parkside	WI	Public	970	Masters 2	\$8,090	3,959	24.4%	15.4%	31.4%
Midwestern State University	TX	Public	965	Masters I	\$5,719	4,501	28.1%	20.3%	27.5%
Black Hills State University	SD	Public	970	Baccalaureate General	\$4,904	3,013	38.7%	4.7%	25.6%
Indiana University-Kokomo	IN	Public	940	Baccalaureate General	\$6,260	1,859	24.1%	4.9%	24.0%

### MICHIGAN STATE UNIVERSITY

Institution	State	Sector	Median SAT	Carnegie Class	Student-Related Expenditures/FTE	Size	Pct Pell	% Underrep Minority	Grad Rate
Pennsylvania State University-Main Camp	PA	Public	1,195	Doctoral/Research Extensive	\$21,775	33,975	18.7%	7.6%	82.5%
Texas A & M University	TX	Public	1,185	Doctoral/Research Extensive	\$12,147	33,901	14.4%	12.3%	75.2%
Rutgers University-New Brunswick	NJ	Public	1,190	Doctoral/Research Extensive	N/A	25,654	25.8%	16.5%	72.2%
Indiana University-Bloomington	IN	Public	1,105	Doctoral/Research Extensive	\$9,613	29,146	15.4%	6.1%	71.8%
University Of Georgia	GA	Public	1,205	Doctoral/Research Extensive	\$8,108	23,786	13.5%	6.7%	71.3%
University Of Washington-Seattle Campus	WA	Public	1,185	Doctoral/Research Extensive	\$19,575	25,059	21.1%	7.3%	71.3%
<b>Michigan State University</b>	<b>MI</b>	<b>Public</b>	<b>1,125</b>	<b>Doctoral/Research Extensive</b>	<b>\$11,631</b>	<b>32,361</b>	<b>18.9%</b>	<b>12.1%</b>	<b>69.5%</b>
University Of Colorado At Boulder	CO	Public	1,165	Doctoral/Research Extensive	\$11,107	24,778	13.0%	8.0%	67.8%
Purdue University	IN	Public	1,145	Doctoral/Research Extensive	\$10,177	30,478	16.0%	6.1%	65.7%
Florida State University	FL	Public	1,150	Doctoral/Research Extensive	\$7,163	27,183	23.8%	22.4%	62.9%
Ohio State University-Main Campus	OH	Public	1,165	Doctoral/Research Extensive	\$14,551	34,816	23.0%	10.7%	62.1%
Louisiana State University	LA	Public	1,125	Doctoral/Research Extensive	\$7,811	24,523	20.1%	11.8%	56.0%
University Of Arizona	AZ	Public	1,115	Doctoral/Research Extensive	\$10,467	25,639	23.7%	19.1%	54.7%
University Of Minnesota-Twin Cities	MN	Public	1,145	Doctoral/Research Extensive	\$17,700	28,273	16.2%	6.9%	54.4%
University Of Central Florida	FL	Public	1,140	Doctoral/Research Intensive	\$6,103	28,694	22.3%	20.3%	53.5%
Arizona State University-Main Campus	AZ	Public	1,095	Doctoral/Research Extensive	\$8,351	33,499	22.6%	17.6%	52.0%



**MICHIGAN TECH UNIVERSITY**

Institution	State	Sector	Median SAT	Carnegie Class	Student-Related Expendts/FTE	Size	Pct Pell	% Underrep Minority	Grad Rate
Colorado School Of Mines	CO	Public	1,220	Engineering & Technology	\$13,401	2,629	13.9%	8.8%	66.1%
Clarkson University	NY	Private	1,175	Doctoral/Research Intensive	\$14,593	2,705	26.9%	4.7%	63.9%
<b>Michigan Technological University</b>	<b>MI</b>	<b>Public</b>	<b>1,165</b>	<b>Doctoral/Research Intensive</b>	<b>\$11,242</b>	<b>5,209</b>	<b>17.5%</b>	<b>3.8%</b>	<b>60.7%</b>
University Of Missouri-Rolla	MO	Public	1,240	Doctoral/Research Intensive	\$12,438	3,814	23.8%	7.0%	60.3%
Florida Institute Of Technology-Melbour	FL	Private	1,155	Doctoral/Research Intensive	\$12,080	2,260	21.1%	9.6%	54.5%
Polytechnic University	NY	Private	1,155	Doctoral/Research Intensive	\$20,686	1,512	54.1%	18.5%	54.5%
New Jersey Institute Of Technology	NJ	Public	1,140	Doctoral/Research Intensive	\$10,144	4,730	23.8%	21.9%	48.6%

**NORTHERN MICHIGAN UNIVERSITY**

Institution	State	Sector	Median SAT	Carnegie Class	Student-Related Expendts/FTE	Size	Pct Pell	% Underrep Minority	Grad Rate
Suny College At Plattsburgh	NY	Public	1,045	Masters I	\$6,689	5,130	32.6%	8.7%	58.9%
Suny College At Oswego	NY	Public	1,085	Masters I	\$5,839	6,752	36.8%	7.4%	56.3%
Winthrop University	SC	Public	1,050	Masters I	\$7,053	4,785	27.9%	28.1%	54.9%
South Dakota State University	SD	Public	1,025	Doctoral/Research Intensive	\$6,967	7,957	30.1%	2.1%	53.3%
University Of Idaho	ID	Public	1,065	Doctoral/Research Extensive	\$7,965	8,728	34.7%	5.7%	53.2%
Central Washington University	WA	Public	990	Masters I	\$7,519	8,557	24.9%	9.1%	52.7%
Western Carolina University	NC	Public	1,010	Masters I	\$7,503	5,557	25.1%	8.2%	48.9%
Emporia State University	KS	Public	990	Masters I	\$7,843	4,046	31.6%	8.3%	45.1%
University Of Montana-Missoula	MT	Public	1,025	Doctoral/Research Intensive	\$7,156	10,314	35.7%	5.7%	45.0%
<b>Northern Michigan University</b>	<b>MI</b>	<b>Public</b>	<b>1,010</b>	<b>Masters I</b>	<b>\$6,884</b>	<b>7,831</b>	<b>32.3%</b>	<b>4.6%</b>	<b>44.8%</b>
Southern Illinois University-Edwardsvil	IL	Public	1,010	Masters I	\$8,231	9,417	28.3%	12.7%	44.6%
Stephen F Austin State University	TX	Public	1,025	Masters I	\$5,860	8,871	30.9%	23.9%	35.4%
Sam Houston State University	TX	Public	1,010	Masters I	\$5,435	10,327	27.4%	25.1%	34.6%
Valdosta State University	GA	Public	1,020	Masters I	\$6,509	7,616	31.8%	23.1%	33.3%
State University Of West Georgia	GA	Public	1,005	Masters I	\$6,083	7,174	27.8%	24.8%	31.0%
Western Oregon University	OR	Public	975	Masters I	\$5,661	4,132	33.0%	8.4%	31.0%

**OAKLAND UNIVERSITY**

Institution	State	Sector	Median SAT	Carnegie Class	Student-Related Expendts/FTE	Size	Pct Pell	% Underrep Minority	Grad Rate
West Chester University Of Pennsylvania	PA	Public	1,065	Masters I	\$8,449	9,681	17.9%	10.7%	59.1%
Montclair State University	NJ	Public	1,030	Masters I	\$7,394	9,780	26.0%	26.2%	55.8%
University Of North Carolina At Charlot	NC	Public	1,065	Masters I	\$7,970	13,359	22.7%	17.7%	49.1%
William Paterson University Of New Jers	NJ	Public	1,010	Masters I	\$7,905	8,008	21.7%	27.9%	48.4%
Bridgewater State College	MA	Public	1,015	Masters I	\$6,439	6,697	18.5%	6.6%	45.8%
Southern Illinois University-Edwardsvil	IL	Public	1,010	Masters I	\$8,231	9,417	28.3%	12.7%	44.6%
<b>Oakland University</b>	<b>MI</b>	<b>Public</b>	<b>990</b>	<b>Doctoral/Research Intensive</b>	<b>\$7,182</b>	<b>10,505</b>	<b>14.7%</b>	<b>10.9%</b>	<b>43.8%</b>
Central Connecticut State University	CT	Public	1,030	Masters I	\$9,201	7,654	16.1%	13.0%	42.5%
Rhode Island College	RI	Public	980	Masters I	\$7,876	5,747	24.6%	8.8%	41.9%
University Of Tennessee-Chattanooga	TN	Public	990	Masters I	\$7,743	6,389	24.7%	23.0%	40.7%
San Jose State University	CA	Public	980	Masters I	\$7,736	17,419	27.6%	17.7%	39.4%
University Of Nevada-Las Vegas	NV	Public	1,020	Doctoral/Research Intensive	\$7,725	15,672	18.5%	18.7%	37.8%
University Of Nebraska At Omaha	NE	Public	1,045	Masters I	\$6,716	9,114	21.8%	8.8%	36.4%
Southern Connecticut State University	CT	Public	935	Masters I	\$8,247	6,939	17.6%	18.7%	33.1%
Saginaw Valley State University	MI	Public	990	Masters I	\$5,881	6,203	25.7%	7.8%	33.0%
University Of Central Oklahoma	OK	Public	990	Masters I	\$4,327	10,529	26.5%	16.5%	27.5%

### SAGINAW VALLEY STATE UNIVERSITY

Institution	State	Sector	Median SAT	Carnegie Class	Student-Related Expenditures/FTE	Size	Pct Pell	% Underrep Minority	Grad Rate
South Dakota State University	SD	Public	1,025	Doctoral/Research Intensive	\$6,967	7,957	30.1%	2.1%	53.3%
Central Missouri State University	MO	Public	990	Masters I	\$8,382	7,654	29.7%	7.1%	49.4%
William Paterson University Of New Jers	NJ	Public	1,010	Masters I	\$7,905	8,008	21.7%	27.9%	48.4%
Southeast Missouri State University	MO	Public	1,025	Masters I	\$6,239	7,229	25.9%	8.5%	47.3%
Oakland University	MI	Public	990	Doctoral/Research Intensive	\$7,182	10,505	14.7%	10.9%	43.8%
Rhode Island College	RI	Public	980	Masters I	\$7,876	5,747	24.6%	8.8%	41.9%
University Of Colorado At Colorado Spri	CO	Public	1,065	Masters I	\$6,683	5,099	24.9%	12.7%	38.9%
University Of West Florida	FL	Public	1,085	Masters I	\$7,866	6,370	33.1%	15.0%	38.4%
Salem State College	MA	Public	975	Masters I	\$7,864	5,300	19.4%	8.5%	37.0%
University Of Nebraska At Omaha	NE	Public	1,045	Masters I	\$6,716	9,114	21.8%	8.8%	36.4%
West Texas A & M University	TX	Public	1,010	Masters I	\$5,622	4,748	34.6%	18.8%	35.7%
Bemidji State University	MN	Public	990	Masters 2	\$7,909	3,837	30.4%	4.2%	34.1%
<b>Saginaw Valley State University</b>	<b>MI</b>	<b>Public</b>	<b>990</b>	<b>Masters I</b>	<b>\$5,881</b>	<b>6,203</b>	<b>25.7%</b>	<b>7.8%</b>	<b>33.0%</b>
State University Of West Georgia	GA	Public	1,005	Masters I	\$6,083	7,174	27.8%	24.8%	31.0%
Midwestern State University	TX	Public	965	Masters I	\$5,719	4,501	28.1%	20.3%	27.5%
University Of Central Oklahoma	OK	Public	990	Masters I	\$4,327	10,529	26.5%	16.5%	27.5%

### UNIVERSITY OF MICHIGAN-ANN ARBOR

Institution	State	Sector	Median SAT	Carnegie Class	Student-Related Expenditures/FTE	Size	Pct Pell	% Underrep Minority	Grad Rate
University Of California-Los Angeles	CA	Public	1,265	Doctoral/Research Extensive	\$26,245	24,970	35.1%	19.2%	86.7%
University Of California-Berkeley	CA	Public	1,315	Doctoral/Research Extensive	\$17,966	22,363	32.4%	14.9%	85.4%
<b>University Of Michigan-Ann Arbor</b>	<b>MI</b>	<b>Public</b>	<b>1,260</b>	<b>Doctoral/Research Extensive</b>	<b>\$19,374</b>	<b>23,714</b>	<b>12.6%</b>	<b>13.6%</b>	<b>85.1%</b>
University Of California-San Diego	CA	Public	1,260	Doctoral/Research Extensive	\$18,077	19,299	28.3%	11.6%	82.9%
University Of California-Irvine	CA	Public	1,185	Doctoral/Research Extensive	\$17,935	19,456	31.5%	14.1%	78.7%
New York University	NY	Private	1,310	Doctoral/Research Extensive	\$30,526	18,314	18.4%	11.9%	78.6%
University Of Florida	FL	Public	1,240	Doctoral/Research Extensive	\$11,931	32,139	22.0%	21.2%	76.9%
Boston University	MA	Private	1,285	Doctoral/Research Extensive	\$23,691	16,726	10.9%	7.2%	75.3%
Brigham Young University	UT	Private	1,205	Doctoral/Research Extensive	\$13,566	27,701	30.8%	4.3%	73.7%
Rutgers University-New Brunswick	NJ	Public	1,190	Doctoral/Research Extensive	N/A	25,654	25.8%	16.5%	72.2%
University Of Maryland-College Park	MD	Public	1,270	Doctoral/Research Extensive	\$12,401	23,826	18.8%	17.8%	70.7%

### UNIVERSITY OF MICHIGAN-DEARBORN

Institution	State	Sector	Median SAT	Carnegie Class	Student-Related Expenditures/FTE	Size	Pct Pell	% Underrep Minority	Grad Rate
Salisbury University	MD	Public	1,130	Masters I	\$6,525	5,689	15.5%	9.7%	67.4%
Rowan University	NJ	Public	1,134	Masters I	\$8,834	7,319	22.9%	14.7%	59.9%
Webster University	MO	Private	1,105	Masters I	\$9,073	3,056	23.0%	14.1%	57.3%
<b>University Of Michigan-Dearborn</b>	<b>MI</b>	<b>Public</b>	<b>1,085</b>	<b>Masters I</b>	<b>\$9,168</b>	<b>4,816</b>	<b>19.4%</b>	<b>9.8%</b>	<b>54.2%</b>
Ramapo College Of New Jersey	NJ	Public	1,110	Baccalaureate General	\$7,948	4,399	17.7%	14.2%	52.1%
University Of North Carolina At Asheville	NC	Public	1,160	Baccalaureate Liberal Arts	\$7,590	2,955	21.6%	4.6%	51.5%
Campbell University Inc	NC	Private	1,128	Masters I	\$6,082	3,999	22.1%	21.6%	49.8%
North Georgia College And State Unvers	GA	Public	1,065	Masters I	\$6,956	3,412	20.4%	4.5%	46.0%
University Of Alabama In Huntsville	AL	Public	1,125	Doctoral/Research Intensive	\$7,969	4,409	21.9%	18.1%	43.7%
Central Connecticut State University	CT	Public	1,030	Masters I	\$9,201	7,654	16.1%	13.0%	42.5%
University Of Massachusetts-Lowell	MA	Public	1,030	Doctoral/Research Intensive	\$8,826	6,895	15.6%	6.5%	42.2%
University Of Missouri-Kansas City	MO	Public	1,085	Doctoral/Research Intensive	\$15,130	6,422	19.9%	17.1%	40.8%
University Of Colorado At Denver	CO	Public	1,045	Doctoral/Research Intensive	\$8,324	6,248	16.2%	14.3%	39.2%
University Of West Florida	FL	Public	1,085	Masters I	\$7,866	6,370	33.1%	15.0%	38.4%
Christopher Newport University	VA	Public	1,130	Baccalaureate Liberal Arts	\$5,037	4,280	21.2%	12.8%	36.8%
Georgia College And State University	GA	Public	1,085	Masters I	\$7,564	4,222	24.2%	10.1%	34.8%

**UNIVERSITY OF MICHIGAN-FLINT**

Institution	State	Sector	Median SAT	Carnegie Class	Student-Related Expenditures/FTE	Size	Pct Pell	% Underrep Minority	Grad Rate
Northwest Missouri State University	MO	Public	1,010	Masters I	\$6,911	5,043	26.5%	4.4%	53.1%
Fort Hays State University	KS	Public	1,010	Masters I	\$6,919	4,724	35.1%	4.7%	46.8%
Emporia State University	KS	Public	990	Masters I	\$7,843	4,046	31.6%	8.3%	45.1%
Rhode Island College	RI	Public	980	Masters I	\$7,876	5,747	24.6%	8.8%	41.9%
Shepherd College	WV	Public	970	Baccalaureate General	\$4,680	3,689	24.6%	7.4%	41.0%
University Of Tennessee-Chattanooga	TN	Public	990	Masters I	\$7,743	6,389	24.7%	23.0%	40.7%
<b>University Of Michigan-Flint</b>	<b>MI</b>	<b>Public</b>	<b>1,010</b>	<b>Masters I</b>	<b>\$7,678</b>	<b>4,121</b>	<b>29.4%</b>	<b>11.6%</b>	<b>39.7%</b>
University Of Colorado At Colorado Sprin	CO	Public	1,065	Masters I	\$6,683	5,099	24.9%	12.7%	38.9%
University Of West Florida	FL	Public	1,085	Masters I	\$7,866	6,370	33.1%	15.0%	38.4%
Bemidji State University	MN	Public	990	Masters 2	\$7,909	3,837	30.4%	4.2%	34.1%
University Of Massachusetts-Boston	MA	Public	980	Doctoral/Research Intensive	\$11,416	7,065	26.0%	18.9%	34.1%
University Of Southern Maine	ME	Public	1,000	Masters I	\$8,946	5,983	25.6%	3.0%	33.3%
Valdosta State University	GA	Public	1,020	Masters I	\$6,509	7,616	31.8%	23.1%	33.3%
Missouri Southern State College	MO	Public	1,010	Baccalaureate General	\$5,745	4,157	37.1%	7.2%	30.1%
Indiana University-South Bend	IN	Public	955	Masters I	\$6,520	4,320	27.8%	9.3%	27.2%
Armstrong Atlantic State University	GA	Public	1,015	Masters I	\$6,957	4,212	39.9%	22.9%	19.8%

**WAYNE STATE UNIVERSITY**

Institution	State	Sector	Median SAT	Carnegie Class	Student-Related Expenditures/FTE	Size	Pct Pell	% Underrep Minority	Grad Rate
University Of North Carolina At Greensb	NC	Public	1,035	Doctoral/Research Intensive	\$8,903	10,011	26.1%	21.5%	50.3%
University Of North Carolina At Charlot	NC	Public	1,065	Masters I	\$7,970	13,359	22.7%	17.7%	49.1%
University Of Cincinnati - Main Campus	OH	Public	1,045	Doctoral/Research Extensive	\$12,376	16,870	24.1%	15.4%	48.3%
University Of Nevada-Reno	NV	Public	1,045	Doctoral/Research Extensive	\$13,791	10,344	13.7%	10.3%	48.3%
Southern Illinois University-Edwardsvil	IL	Public	1,010	Masters I	\$8,231	9,417	28.3%	12.7%	44.6%
Old Dominion University	VA	Public	1,035	Doctoral/Research Extensive	\$8,193	11,241	26.4%	27.0%	41.8%
Virginia Commonwealth University	VA	Public	1,050	Doctoral/Research Extensive	\$10,778	15,303	23.3%	24.3%	41.8%
University Of New Mexico-Main Campus	NM	Public	1,010	Doctoral/Research Extensive	\$9,655	15,397	31.4%	43.0%	41.6%
San Jose State University	CA	Public	980	Masters I	\$7,736	17,419	27.6%	17.7%	39.4%
University Of Nevada-Las Vegas	NV	Public	1,020	Doctoral/Research Intensive	\$7,725	15,672	18.5%	18.7%	37.8%
Eastern Michigan University	MI	Public	970	Masters I	\$7,186	15,768	22.5%	20.0%	37.7%
Florida Atlantic University-Boca Raton	FL	Public	1,025	Doctoral/Research Intensive	\$9,228	14,045	25.7%	31.3%	35.3%
Portland State University	OR	Public	1,010	Doctoral/Research Intensive	\$7,678	12,562	28.8%	8.5%	33.2%
University Of Memphis	TN	Public	990	Doctoral/Research Extensive	\$9,229	12,574	32.8%	36.9%	33.1%
<b>Wayne State University</b>	<b>MI</b>	<b>Public</b>	<b>970</b>	<b>Doctoral/Research Extensive</b>	<b>\$13,651</b>	<b>14,053</b>	<b>26.4%</b>	<b>32.5%</b>	<b>31.0%</b>
Indiana University-Purdue University-In	IN	Public	985	Doctoral/Research Intensive	\$16,037	16,043	27.3%	11.9%	22.8%

**WESTERN MICHIGAN UNIVERSITY**

Institution	State	Sector	Median SAT	Carnegie Class	Student-Related Expenditures/FTE	Size	Pct Pell	% Underrep Minority	Grad Rate
Bowling Green State University-Main Cam	OH	Public	1,010	Doctoral/Research Intensive	\$8,505	14,802	20.2%	8.6%	64.7%
University Of Alabama	AL	Public	1,085	Doctoral/Research Extensive	\$8,837	14,809	23.6%	15.4%	62.5%
Colorado State University	CO	Public	1,105	Doctoral/Research Extensive	\$7,551	20,049	15.5%	9.3%	62.1%
University Of Kentucky	KY	Public	1,085	Doctoral/Research Extensive	\$12,440	16,885	18.1%	6.3%	61.1%
Washington State University	WA	Public	1,060	Doctoral/Research Extensive	\$9,257	16,799	26.1%	7.7%	60.0%
University Of Nebraska At Lincoln	NE	Public	1,105	Doctoral/Research Extensive	\$8,040	16,763	19.3%	4.5%	59.5%
Illinois State University	IL	Public	1,085	Doctoral/Research Intensive	\$7,481	17,240	20.5%	9.0%	59.1%
West Virginia University	WV	Public	1,055	Doctoral/Research Extensive	\$8,099	16,868	26.4%	5.8%	56.4%
<b>Western Michigan University</b>	<b>MI</b>	<b>Public</b>	<b>1,045</b>	<b>Doctoral/Research Extensive</b>	<b>\$7,126</b>	<b>21,268</b>	<b>17.8%</b>	<b>7.0%</b>	<b>56.1%</b>
East Carolina University	NC	Public	1,035	Doctoral/Research Intensive	\$9,665	15,877	25.8%	16.6%	53.8%
Texas Tech University	TX	Public	1,120	Doctoral/Research Extensive	\$7,698	21,885	21.5%	14.4%	53.7%
Northern Illinois University	IL	Public	1,045	Doctoral/Research Extensive	\$6,532	17,024	26.0%	19.6%	52.9%
Grand Valley State University	MI	Public	1,065	Masters I	\$7,271	15,937	22.5%	8.2%	49.0%
Kent State University	OH	Public	1,010	Doctoral/Research Extensive	\$8,423	17,046	32.0%	9.6%	49.0%
Ball State University	IN	Public	1,030	Doctoral/Research Intensive	\$8,869	16,761	20.7%	7.2%	48.7%
University Of North Texas	TX	Public	1,090	Doctoral/Research Extensive	\$7,837	20,390	22.1%	21.8%	38.8%

Source: Education Trust (www.collegeresults.org)

Prepared by Kyle I. Jen, House Fiscal Agency

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Updated:

03/27/06

Printed:

04/11/06

**ATTACHMENT 4****Undergraduate Degree Completions-to-FYES Ratios**

Fiscal Year 2004-05

<b>University</b>	<b>Bachelor's Degrees plus 50% of Assoc. Degrees</b>	<b>Undergrad. Fiscal Year Equated Students</b>	<b>Ratio</b>
UM-Ann Arbor	5,880	24,415	0.24
Michigan State	7,733	33,620	0.23
UM-Dearborn	1,155	5,141	0.22
Western	4,291	20,557	0.21
UM-Flint	907	4,463	0.20
Lake Superior	526	2,587	0.20
Michigan Tech	1,062	5,305	0.20
Central	3,549	18,065	0.20
Ferris	1,834	9,478	0.19
Eastern	2,923	16,104	0.18
Oakland	2,012	11,211	0.18
Grand Valley	2,938	16,926	0.17
Saginaw Valley	1,084	6,705	0.16
Northern	1,267	7,994	0.16
Wayne State	2,293	15,657	0.15
<b>TOTAL</b>	<b>39,453</b>	<b>198,228</b>	<b>0.20</b>

Source: HEIDI database, HFA calculations

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