

Provost Report

Board of Control Meeting

October 11, 2012

Quality Measures

AQIP Project “Improving Undergraduate Student Success”

QUALITY MEASURES

	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17
INPUT										
ENROLLMENT										
UNDERGRADUATE	5846	6034	5942	5720	5731					5750
GRADUATE	912	984	1206	1256	1303					1545
FRESHMAN	1556	1720	1511	1397	1427					
ACT SCORES	25.6	25.6	26.0	26.1	26.4					
GPA SCORES	3.5	3.6	3.6	3.6	3.6					
AT TECH										
RETENTION RATES										
FIRST TO SECOND YEAR EFFECTIVE RETENTION	82.8	81.9	81.9	80.9	83.3					85
% OF FRESHMEN GRADUATING WITHIN 150% OF EXPECTED TIME										
WITHIN ORIGINAL DEPARTMENT	37.0	36.1	39.4	40.6	41.3					
WITHIN ORIGINAL COLLEGE	53.6	52.6	53.8	54.3	53.9					
WITHIN ANY DEPARTMENT/COLLEGE	63.0	64.2	65.2	65.3	65.3					70
AVERAGE TEACHING EVALUATION SCORE	4.1	4.2	4.2	4.2	4.2					
OUTPUT										
PLACEMENT RATES	96.4	87.5	86.3	94.6						
AVERAGE STARTING SALARIES				52,800						

AQIP Action Project

Improving Undergraduate Student Success

- <http://www.mtu.edu/aqip/action-projects/completed/>
- http://www.mtu.edu/aqip/action-projects/completed/AQIP_Student%20Success_Final_Report_2012.pdf

Project Team:

Academic Side:

M. Gockenbach, Chair - Math
N. Grimm, Director - Learning Center
J. Kampe, Chair – Engineering Fund.
T. Schulz, Dean, Engineering
C. Walck, Associate Provost

Student Affairs:

L. Cook, VP
B. Gorman, Dean of Students
J. Lehman, Asst. VP, Enrollment Serv.

Institutional Analysis:

R. Elenich

Improving Undergraduate Student Success

Charge:

to assess undergraduate student success using metrics for **student retention**, grade distribution, **graduation rate**, **time to degree**, placement and **high impact practices**, in order to identify systems, processes and practices which have a critical impact on student success.

Improving Undergraduate Student Success

Peer Benchmarking and Goal Evaluation

- Clarkson University (private)
- Colorado School of Mines (public)
- Lehigh University (private)
- Louisiana Tech (public)
- Michigan State University (public)
- Missouri University of Science & Technology (public)
- New Jersey Institute of Technology (public)
- New Mexico Institute of Mining and Technology (public)
- Rochester Institute of Technology (public)
- University of Michigan – Ann Arbor (public)
- Worcester Polytechnic Institute (private)

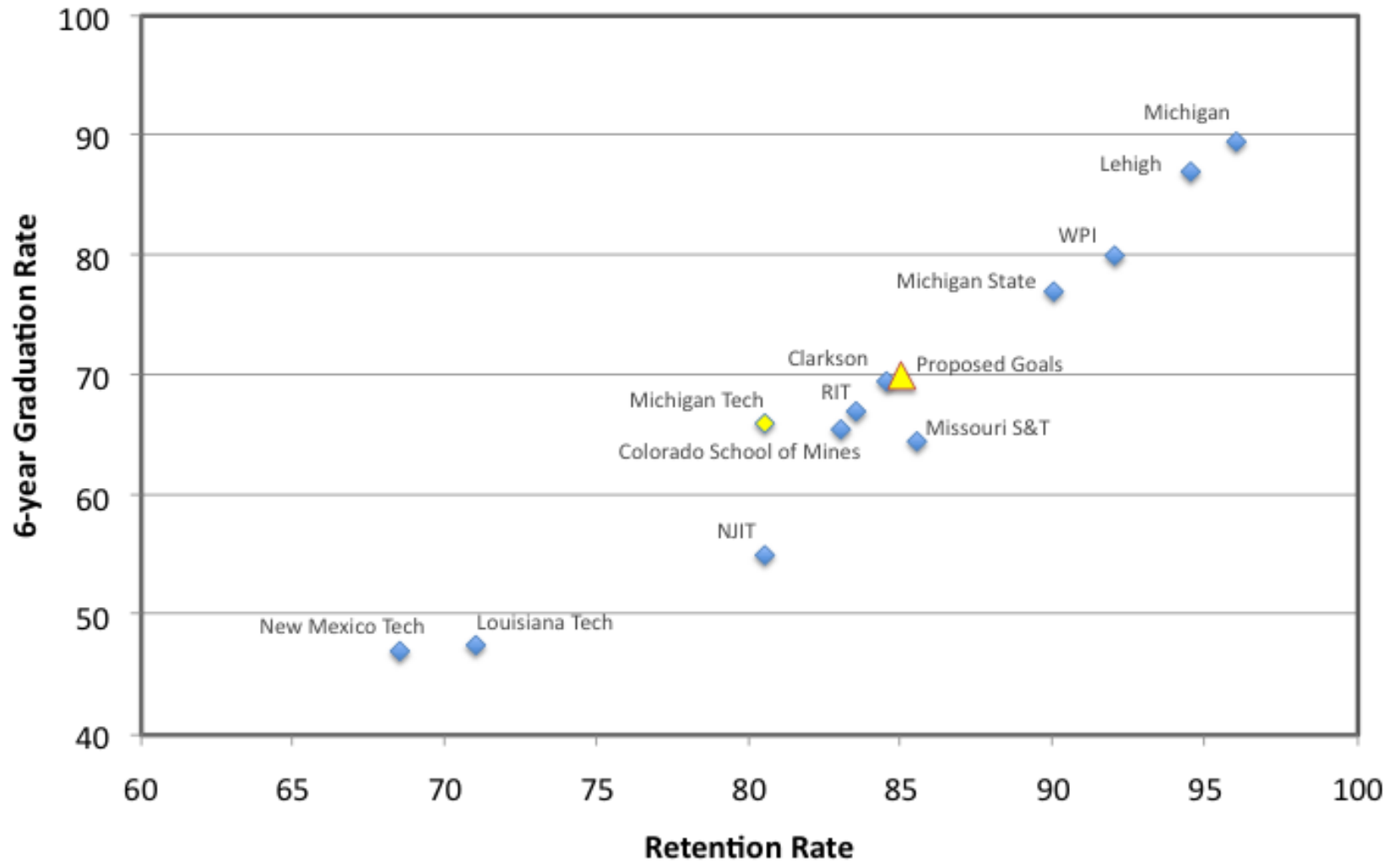
Improving Undergraduate Student Success

Recommendations:

1. First- to second-year retention: 85%
2. Six-year graduation rate: 70%
3. Average Time to graduation: 4.5 years

Improving Undergraduate Student Success

Retention vs Graduation Rates (03-04 cohort average)



Improving Undergraduate Student Success

Follow-up Working Group:

design intervention program that targets first-year students deemed most at risk

Improving Undergraduate Student Success

Other Follow-up:

Student Success Center

(together with Dean of Students)


High-Impact Practices

(Enterprise Program, Pavlis Leadership Institute, Summer Undergraduate Research Fellowships, Honors Institute, Research Scholars Program etc)

Improving Undergraduate Student Success

Business Case for retention rate increase 83% → 85%:

Freshman class 1450:

83%: 1203 85%: 1233  **30 students**

Net tuition retained per student (2013): \$9,400

\$9,400 x 30 students = \$282,000

	year 1	2	3	4	
or, after 4 years:	30	30	30	30	
		30	30	30	
			30	30	
				30	

total	30	60	90	120	300
	300 x \$9,400 = \$2,820,000				