

CAMPUS FORUM

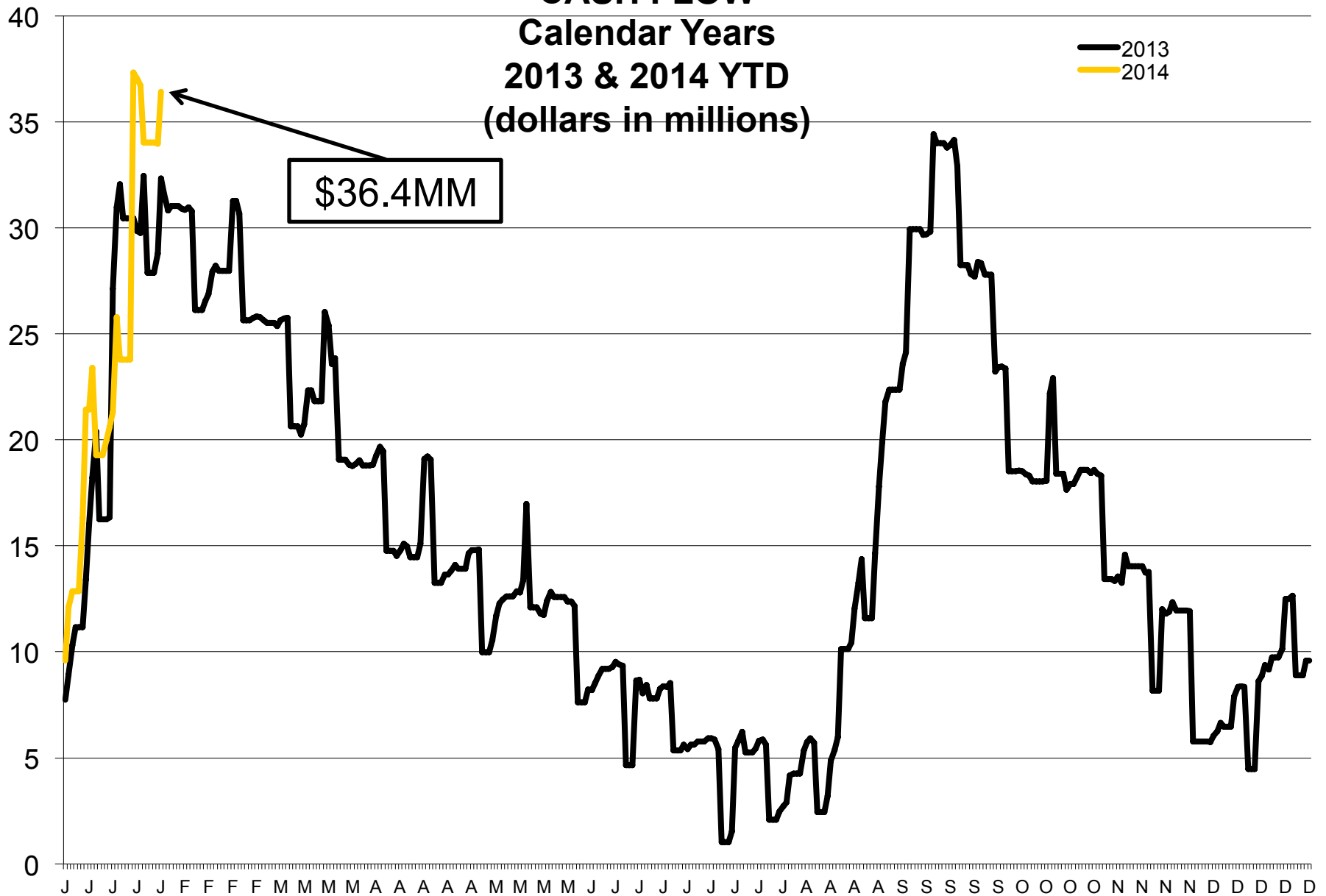
February 18, 2014

Strategic Plan

- Approved by Board of Control on April 27, 2012
 - ✓ Major Goals Remain Same
 - People
 - Distinctive Education
 - Research/Scholarship/Creativity/Entrepreneurship
- <http://www.mtu.edu/stratplan/>

BUDGET

— 2013
— 2014



CURRENT FUND FY14

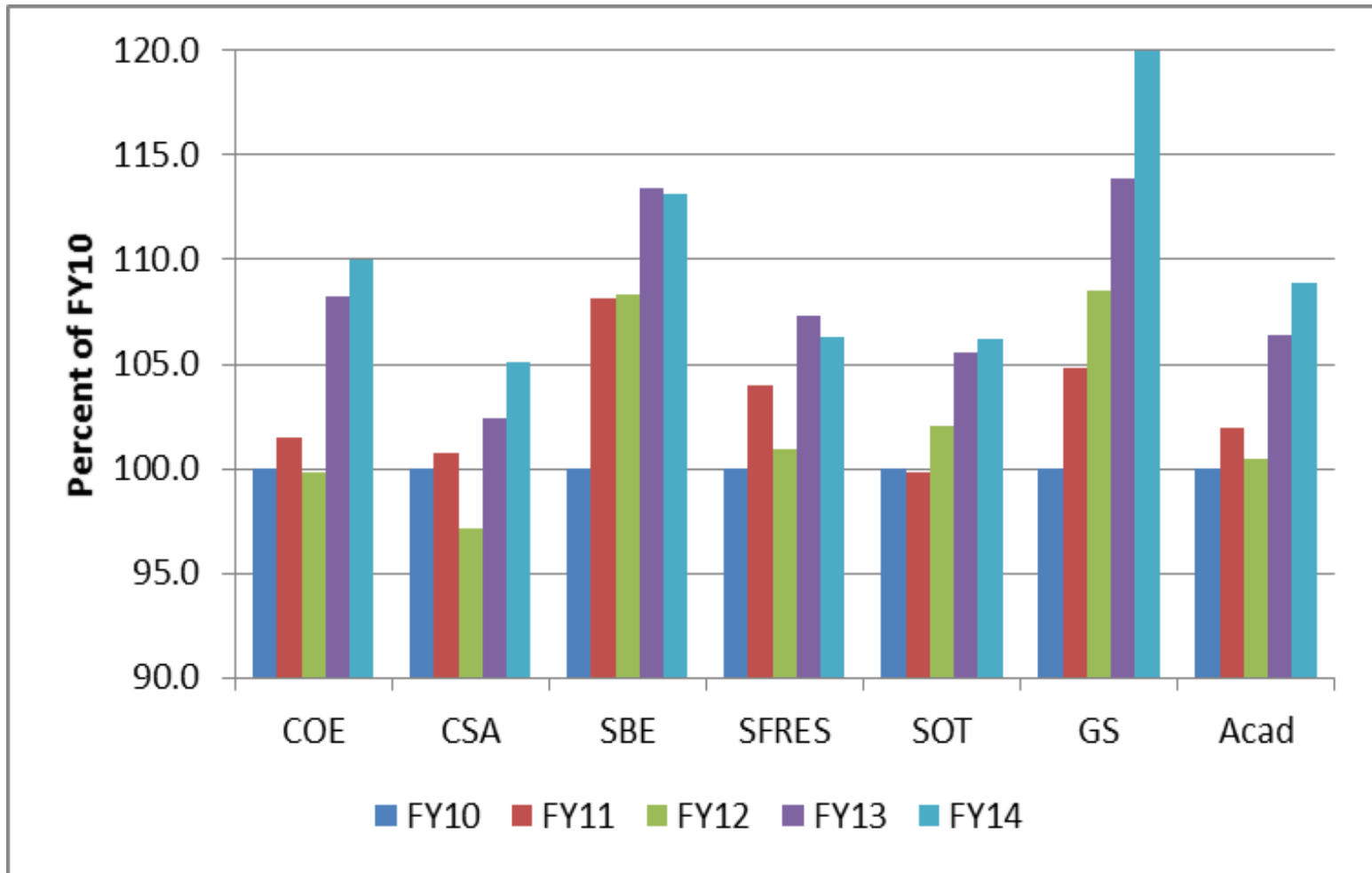
(in Thousands)

	Original <u>Projection</u>	2nd Qtr <u>Projection</u>
Revenue	\$ 261,812	\$ 265,326
Expense	\$ (261,088)	\$ (261,559)
	<hr/>	<hr/>
Net Income	<u>\$ 724</u>	<u>\$ 3,767</u>
Current Fund Balance	<u>\$ 13,919</u>	<u>\$ 16,962</u>

Note: Current Fund includes General Fund, Designated Fund, Auxiliaries, Retirement and Insurance, and the Expendable Restricted Funds.

CURRENT FUND BALANCES						
(in Thousands)						
					2nd Qtr	
		Balance		Balance	Projection	
		<u>06/30/12</u>		<u>06/30/13</u>	<u>06/30/14</u>	
TOTAL CURRENT FUND BALANCE		\$ 12,488		\$ 13,195	\$ 16,962	
LEGALLY RESTRICTED FUNDS		(3,590)		(2,587)	(1,696)	
UNRESTRICTED CURRENT FUND BALANCE		\$ 8,898		\$ 10,608	\$ 15,266	

Percent Increase of General Fund Base Budgets of Academic Units



Institution ▲	Type	Full-time faculty, % change	Part-time faculty, % change	Full-time executive, mgt., or administrative % change	Full-time professional, % change	Full-time nonprofessional, % change
Central Michigan University	Public 4-year	5.76	-13.65	-5.08	16.17	-15.62
Eastern Michigan University	Public 4-year	9.1	14.5	96.27	-12.58	-16.51
Ferris State University	Public 4-year	-2.2	-25.33	22.93	27.23	-30.16
Grand Valley State University	Public 4-year	6.04	-6.83	-11.73	92.27	-9.46
Lake Superior State University	Public 4-year	15.16	-30.97	61.99	33.11	5.58
Michigan State University	Public 4-year	2.2	-5.15	19.42	10.03	-13.63
Michigan Technological University	Public 4-year	32.23	9.32	16.26	-3.44	-42.08
Northern Michigan University	Public 4-year	4.01	33.9	-10.25	23.04	-17.87
Oakland University	Public 4-year	-0.4	11.53	0.47	18.6	-19.68
Saginaw Valley State University	Public 4-year	-3.72	5886.05	-31.13	12.69	-19.32
University of Michigan-Ann Arbor	Public 4-year	29.67	-0.26	52.45	-8.15	-10.42
University of Michigan-Dearborn	Public 4-year	-1.94	10.09	45.01	-8.53	-15.37
University of Michigan-Flint	Public 4-year	-3.73	46.38	63.85	0.31	-36.32
Wayne State University	Public 4-year	3.23	6.47	-45.09	36.7	-55.12
Western Michigan University	Public 4-year	7.1	5.16	26.95	27.47	0.89

Governor's Proposed 2015 Budget

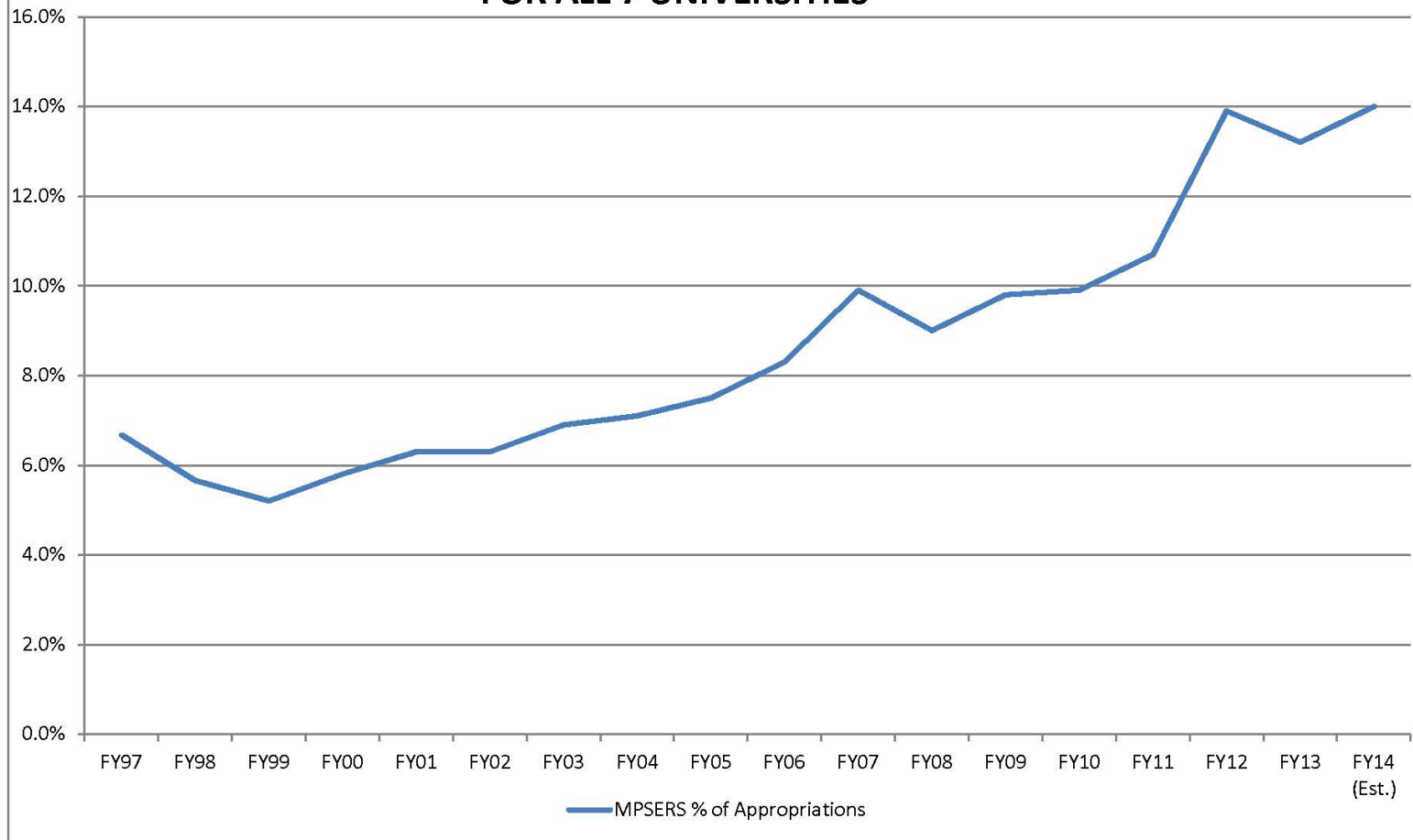
Michigan Tech:

5.8% increase = \$2.5M

Limit Tuition Increases to 3.2% or less

MPSERS Funding

TOTAL MPSERS COSTS AS % OF APPROPRIATIONS FOR ALL 7 UNIVERSITIES



Advancement Progress Toward our Goal

July 1, 2013 through January 31, 2014

	FY14 Goal	Actual	% Realized
Restricted individual Gifts			
Major	\$8.00	\$2.80	35%
Other	1.30	1.27	98%
Planned gifts	11.00	6.33	58%
Annual fund	1.50	1.11	74%
Corp Sponsored Research	5.00	6.87	137%
Corporations	3.00	1.47	49%
Foundations & Other	0.50	0.33	66%
Gifts-in-kind	0.50	0.18	36%
Total	\$30.80	\$20.37	66%

MichiganTech

Strategic Plan

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 - People

Fall 2013 Career Fair

Interviewing Statistics

264 Employers on campus

679 Interviewers

6,242 Available interview slots

Spring 2014 Career Fair

208 Employers

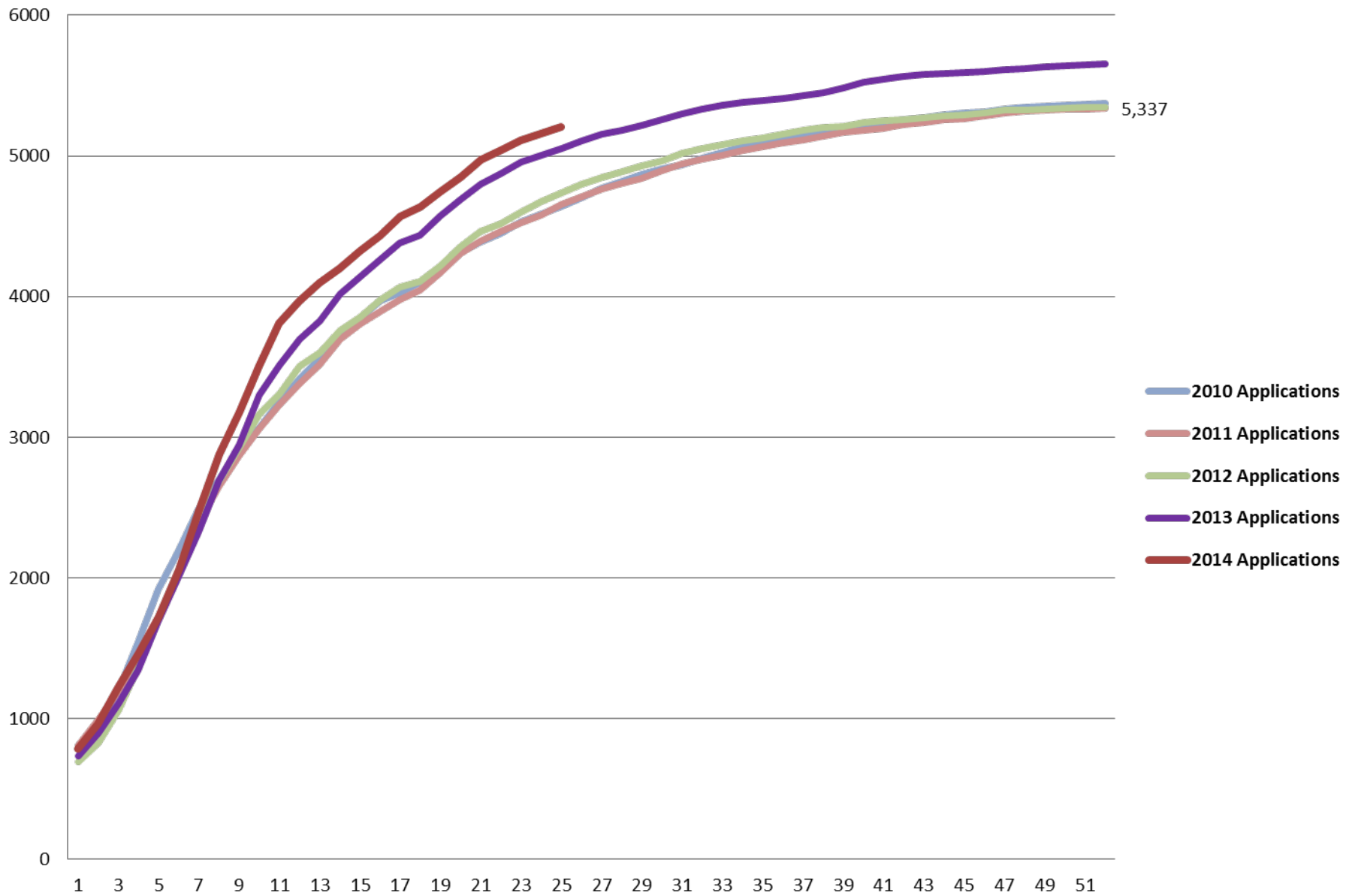
SPRING ENROLLMENT

Headcount  3.4% (217 students)

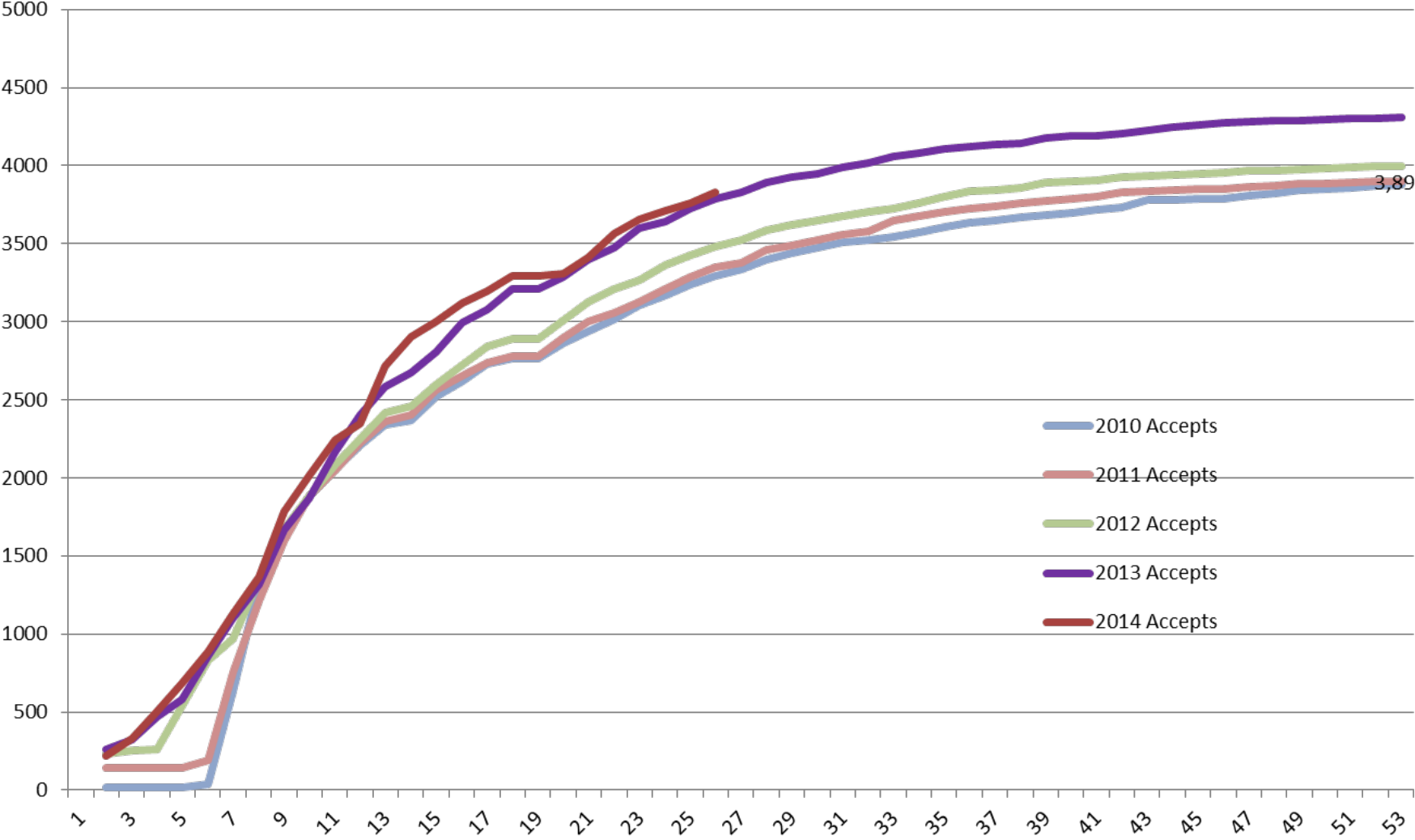
Undergraduate  3.1% (136 students)

Graduate  6.5% (81 students)

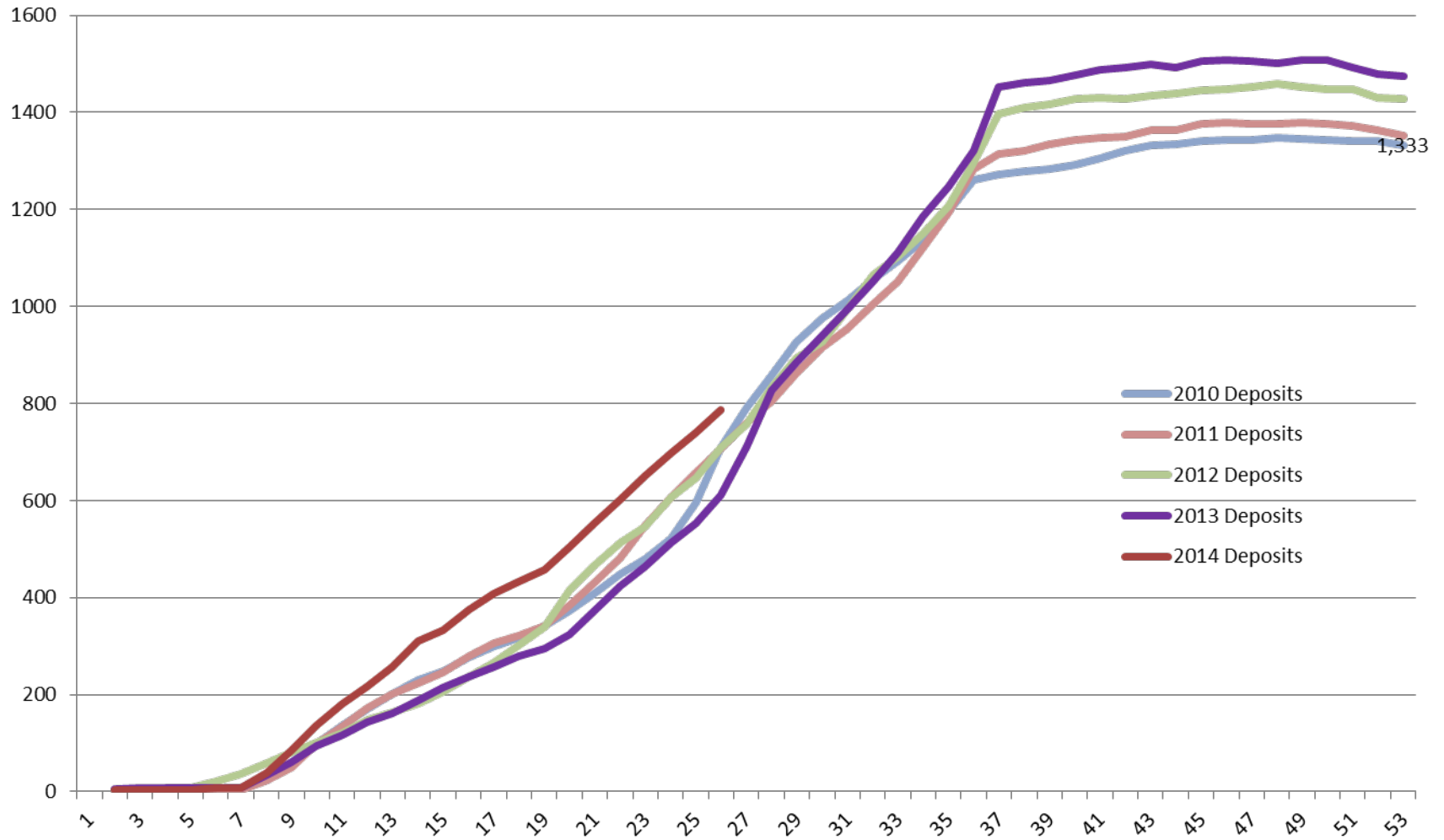
Total Applications



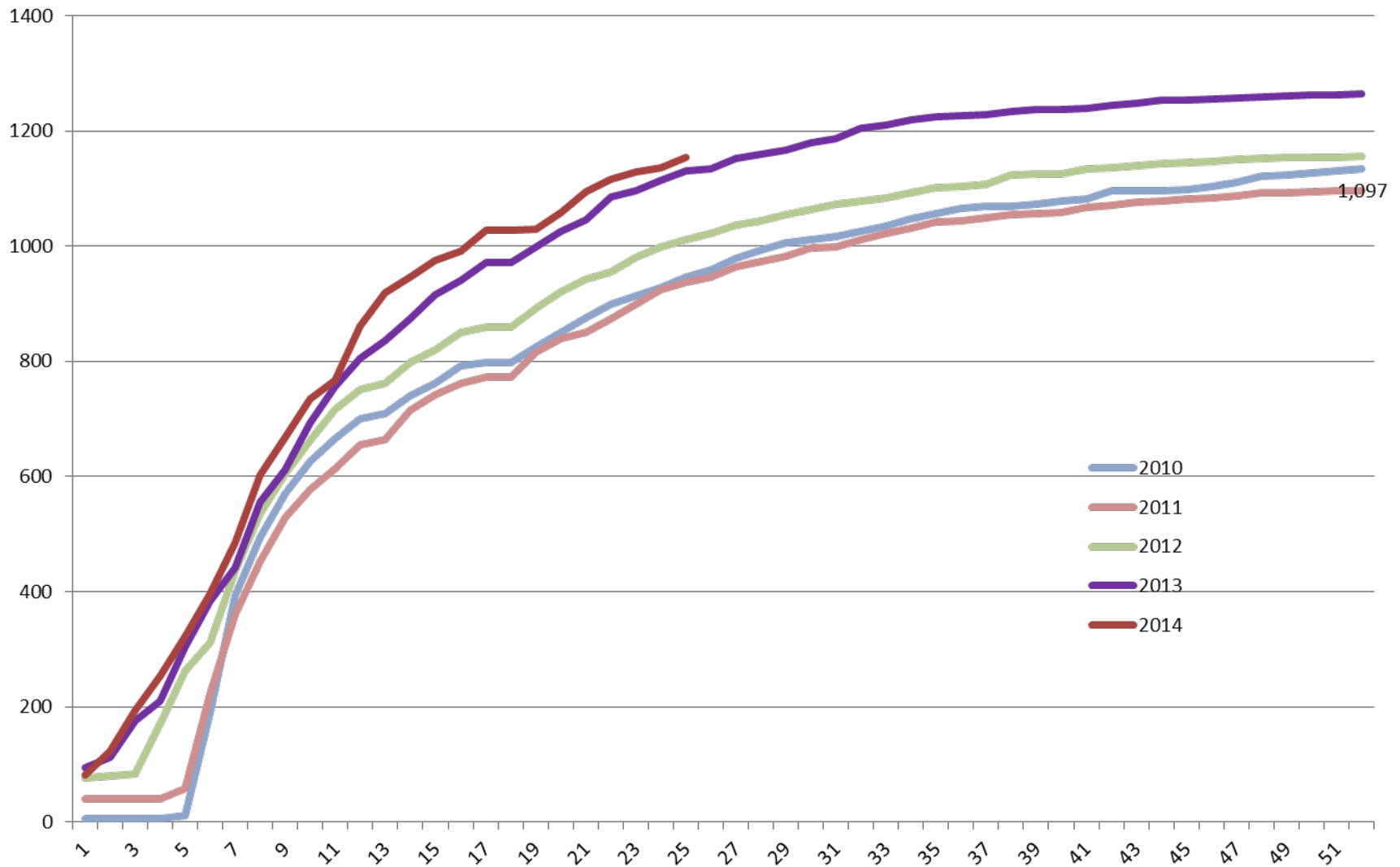
Accepted Applications



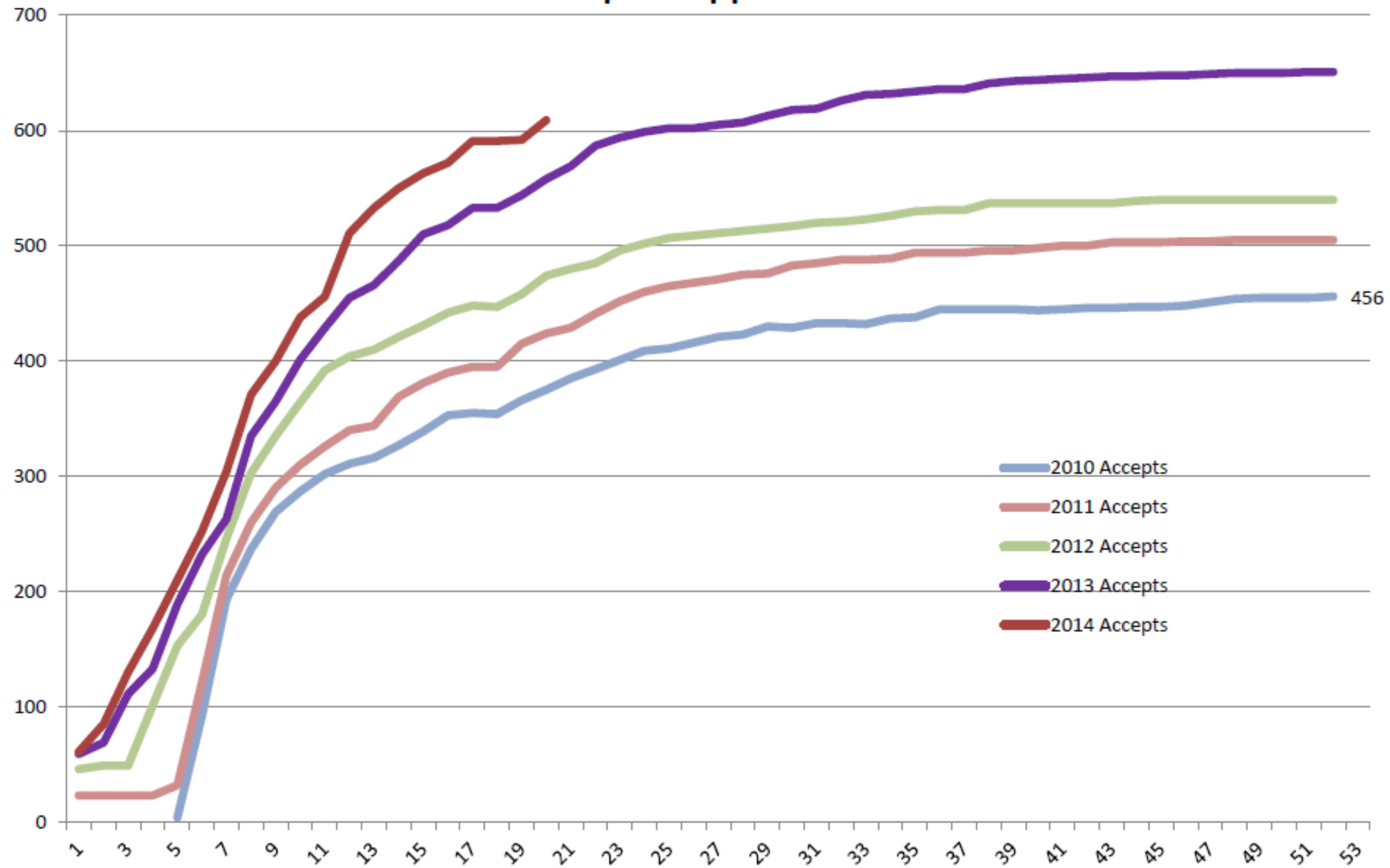
Enrollment Deposits



Female Accepted Applications

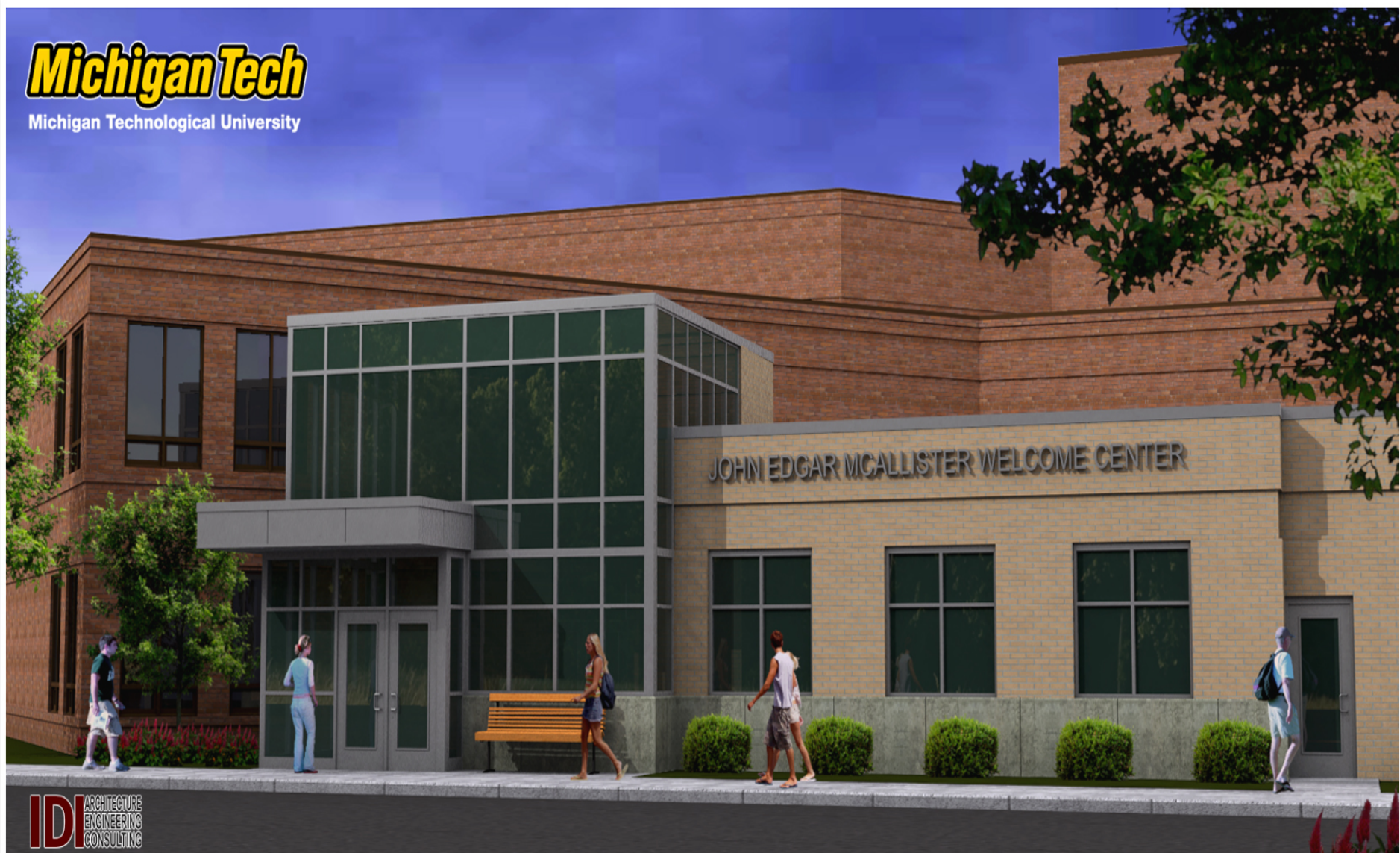


COE Female Accepted Applications



Michigan Tech

Michigan Technological University



IDI ARCHITECTURE
ENGINEERING
CONSULTING

Michigan Tech

Create the Future

Differential Tuition Timeline

• Plan drafted for review by Executive Team/Deans/Others	Fall 2013
• Preliminary discussion at BOC Finance conference call	Late Jan., 2014
• Communication to Deans	Dec./Jan. 2013/14
• Introduce idea to USG	Jan. 15, 2014
• Implementation mechanics meeting	Jan. 27, 2014
• Deans meeting	Jan. 29, 2014
• Budget forum – conceptual idea presented	Jan. 31, 2014
• Mtg / student governance groups (USGIFC/IRHC/Others)	Feb. 10, 2014
• Academic forum	Feb. 12, 2014
• Board Finance Committee conference call	Feb. 2014
• Board Finance Committee review	Feb. 20, 2014
• UMC to have cost of attendance website updated	End of February
• Communication to students/USG/GSG	Feb./Mar. 2014
• Communication to advising council and senate	Mar. 2014
• Fall registration begins	Mar. 21, 2014
• Board of Control final approval	May, 2014
• Formal education/communication campaign	Spring 2014
• Implementation of adjusted differential structure	Fall 2014

Athletics

Academic Success

- **350 student-athletes carry an average GPA of 3.24**
- **84% Academic Success Rate (6 year graduation rate)**
- **Student-athlete majors:**
 - **Engineering – 44.5%**
 - **Sciences and Arts – 34.5%**
 - **Business – 15%**
 - **Forestry – 3.2%**
 - **Technology – 2.8%**

Academic Success

- **61% of fall sport student-athletes earned Academic All-Conference**
- **73% of winter sport student-athletes earned Academic All-Conference**
- **Austin Armga and Ben Stelzer (Men's Basketball) named Academic All-District First Team**
- **Cross Country Runners Deedra Irwin, Sarah Daniels, Kyle Hanson, Jani Lane and Jason Saliga named All-Academic**
- **CJ Eick, Tanner Kero, Daniel Sova and Brad Stebner earned WCHA Scholar-Athlete Honors**

Athletic Success

- **Hockey**

- Currently tied for 4th place in the WCHA and could host a 1st round playoff game (1st time in 20 years)
- 10 student-athletes have earned WCHA Player of the Week so far this season

- **Basketball**

- Men's basketball is currently in 2nd place in the GLIAC-North and could host a 1st round playoff game on Wednesday, March 5th
- Men's basketball leads the nation in both free throw percentage and 3-point percentage
- Women's basketball is currently in 2nd place in the GLIAC-North and could host a 1st round playoff game on Wednesday, March 5th

Athletic Success

- **Soccer**
 - Qualified for the NCAA Championship for the first time in just the 3rd year of the program
- **Nordic Skiing**
 - Alice Flanders won back-to-back freestyle races at a CCSA qualifying event. She has earned a spot in the NCAA Championship
- **Football**
 - 4th straight winning season (28-13) since 2010
 - Junior Tyler Scarlett became the all-time leading passer with 7,554 yards with his senior season remaining



Society of Women Engineers

Region H Conference

➤ held at Michigan Tech-February 14-16

Keynote Speakers:

Patricia K. Poppe, Vice President of Customer Experience and Operations for Consumers Energy

Martha N. Sullivan, President and Chief Executive Officer of Sensata Technologies ('85 ME)

SWE Society President, Stacey DelVecchio, Manager for Caterpillar

Making a Difference Staff Awards

Jeanne Meyers

Susan Liebau

Mark Sloat

Colleen Erva

Tim Griffin

Robert Hiltunen

Mary J. Stevens

Above and Beyond

Bringing out the Best

Creative Solutions

Outstanding Supervisor

Rookie Award

Serving Others

Unsung Hero

UAW Certification Program Update

UAW Certification Program

Purpose

1. Develop a Certification Program for UAW employees in cooperation with Gogebic Community College
2. Enhance the skill set of UAW employees
3. Provide continued education for UAW employees

UAW Certification Program Update

UAW Certification Program Kick-Off Event

1. March 12 and 13, 2014
2. Team Building and Professional Development for UAW employees

Inaugural Term – Fall 2014

1. 8-10 week courses; dependent on certification
2. 4 mini-certifications; 24 participants maximum per certification
 - Business Communication Certification
 - Microsoft Office Certification (Intermediate to Advanced)
 - Social Media Certification
 - Michigan Tech Specific Certification
 - Completion of the 4 mini-certifications equates to a UAW Master Certification

MIOSHA Inspection Update

MIOSHA Inspection Update

June 17, 2013—MIOSHA General and Industrial Inspection

September 18, 2013—Final closing meeting held

- 182 citations
- 163 (89.5%) already abated by final closing meeting

November 6, 2013—Informal Settlement Agreement sent.

- Extension received for 10 sub-items
- All other items abated
- Penalties assessed reduced by 60% to \$20,525

To date:

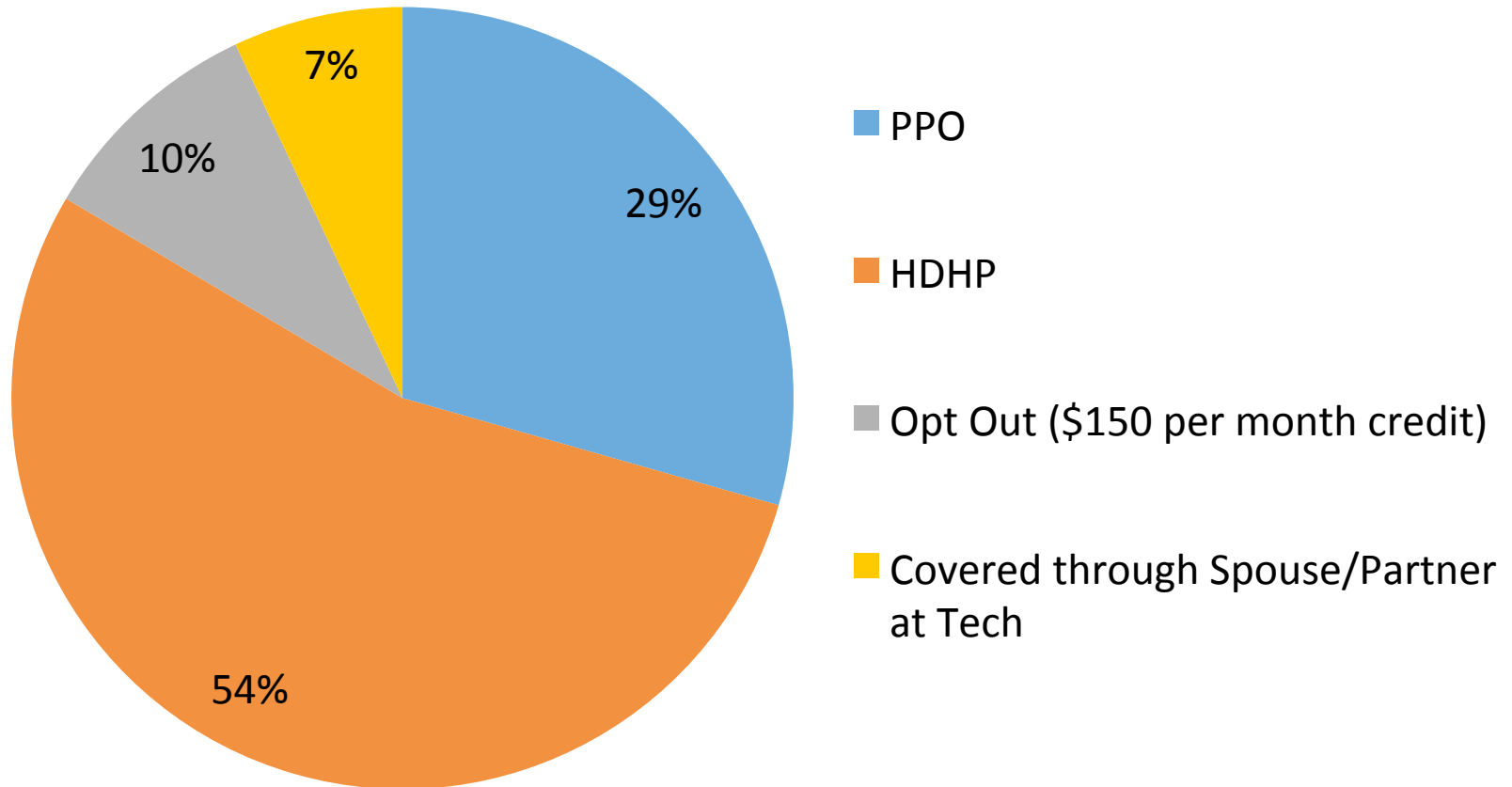
- All 182 citations complete
- 464 “not cited but required” items are 94.5% complete

HEALTH and WELLNESS

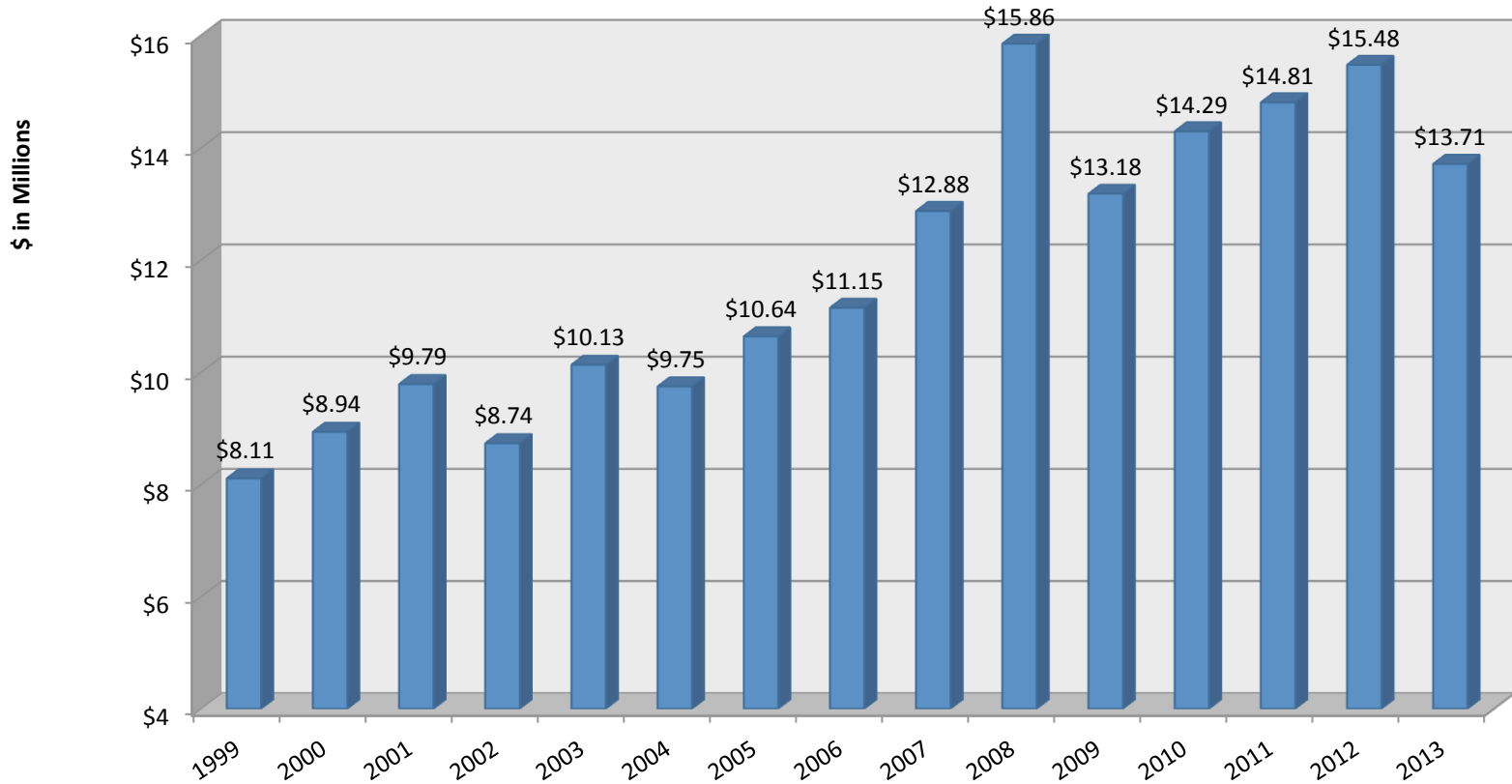
2014 HuskyCare Health Plan Update

- 1,352 benefit eligible employees
- 128 employees opt out of Michigan Tech's coverage and receive a credit of \$150 per month
- 95 employees are covered by a spouse or partner through Michigan Tech
- 398 employees are enrolled in the HuskyCare PPO
- 732 employees are enrolled in the High Deductible Health Plan (HDHP)

2014 HuskyCare Health Plan Update



Net Aggregate Health Care Expense History Calendar Year Presentation



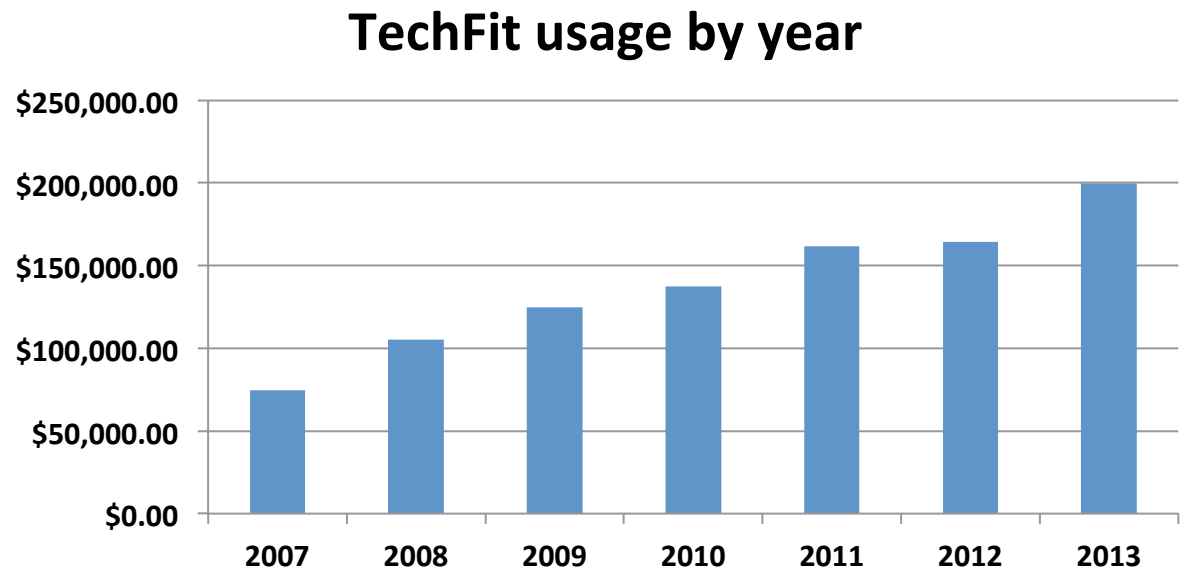
1996 - First full year of a PPO and a flexible benefit program
 1999 - BCBSM begins as PPO administrator
 2000 - Introduced percentage copays
 2001 - Introduced specific stop loss coverage
 2002 - A Premium plan introduced plus percentage copays for all services
 2004 - Major plan changes
 2009 - Major plan changes (BCBS to Aetna)
 2012 - Ongoing Actual Projection

Calendar Years ending December 31

Wellness Program: TechFit

TechFit is the most popular wellness program among employees and dependents and Michigan Tech supports its growth by offering incentives to earn additional TechFit dollars through the Health Risk Assessment (HRA) promotion and HuskyPAW.

2007	\$ 74,324
2008	\$105,083
2009	\$124,897
2010	\$137,629
2011	\$161,614
2012	\$164,161
2013	\$199,588



WELLNESS PROGRAM: SWEAT

Social Wellness, Employee Action & Teamwork

- Program began in January 2012
- Administered by Kinesiology and Integrative Physiology
- Free to eligible employees, access to personal training and instructor-led classes as well as informal group activities
- Approximately 300 employees receive weekly email updates
- 236 employees have been offered instructor-led classes
- 180 employees have been offered personal training



BENEFITS: COMING SOON

Employee Benefits and Community Services Fair

Thursday, May 8, 2014

Isle Royale Ballroom, Memorial Union Building

10:00 a.m. – 2:00 p.m.

Register to win two round trip airline tickets

Houghton to Chicago on SkyWest

Strategic Plan

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❑ New Academic Initiatives

- Programs

- Honors College

- Alliance for Computing, Information and Automation (ACIA)

☐ **New Academic Programs**

- Minor in Music Performance
- Master of Science in Kinesiology
- Master of Science in Accounting

☐ **Under Michigan Tech Senate Review**

- BS and Minor in Statistics
- MS and Certificate in Data Science

☐ **Revision of General Education Program**

☐ **Doctor of Physical Therapy (DPT) Degree Partnership with Central Michigan University**

(your name here) Honors College

Purpose: To support highly motivated Michigan Tech students as they achieve the highest standards of academic excellence.

Housed within the Honors College:

- Honors Institute
- Enterprise Program
- The Pavlis Leadership Program
- Research Scholars program
- Summer Undergraduate Research Fellowship Program
- National and International Scholarships & Fellowships

ALLIANCE FOR COMPUTING, INFORMATION AND AUTOMATION (ACIA)

Executive Committee (rotating chair {ECE,CS, SOT})

Joint Strategic Planning

Common Website

Standing ACIA Curriculum Committee

ACIU Research Center

Director

High Performance Computing

Immersive Visualization Studio

Curriculum Changes across three units

Avoid resource/course duplication

Consolidate course offerings

NSF Expeditions in Computing

Path to research and education

for future of computing & information

Gap areas/Course needs in

ARL (Army Research Lab)

Cyber Security Collaborative Research

Alliance

Apps Development for Mobile Devices

Visual Analytics

Game Development

Computer Vision

Cyber Security

Social Computing

Natural Language Processing

Robotics

Certificate/Professional MS in Data Science

Michigan Tech

Create the Future



Michigan Tech

Create the Future

William G. Jackson Center for Teaching and Learning

- Training facility
- Testing facility
- Classrooms renovated
- Facility to record parts of classes

William G. Jackson Center for Teaching and Learning

Faculty invited to submit proposals to support blended learning course innovations.

- Proposals funded at three levels (\$1,000, \$5,000 and \$10,000) for a total of \$50,000.

William G. Jackson Blended Learning Competition Winners

\$1,000

- * Todd Arney (SoT) "Technology Tools for Blended Content Creation"
- * Jason Carter (KIP) "Benchmarking Trip to University of Florida"
- * Jennifer Sams (Library) "Sloan C Blended Learning Workshop"
- * Qingli Dai (CEE) "Pre-Class Statics Assignments"
- * Wil Slough (Physics) "Development of Blended Learning Materials for Uncertainty Analysis"
- * Liang Song (SBE) "Attendance at American Taxation Midyear Meeting"
- * Susan Hill (MSE) "AMCAL Training Modules"
- * Yu Cai (SoT), "iPad and Hangouts in Informatics"

William G. Jackson Blended Learning Competition Winners

\$5,000

- * Karla Kitalong (HU) “MTMC and IGTAAP Tech Upgrade” (partial funding)
- * Jason Gregersen (Math) “Blended and Online Linear Algebra”
- * Adrienne Minerick (ChE) “Extensions of Microdevice Tech Lab”
- * Leo Ureel (CS) “Canvas Teaching Assistant”

William G. Jackson Blended Learning Competition Winners

\$7,500

*Amber Kemppainen et al “Blended Learning in Engineering Fundamentals”

\$10,000

* Joshua Pearce (MSE/ECE) “3D Printing Blended Course”

* Michele Miller (ME) “Blended Learning in ME Practice Courses”

* Jared Anderson (VPA) “Video Arts in Blended Learning (VIABLE)”



Waino Wahtera Center for Student Success

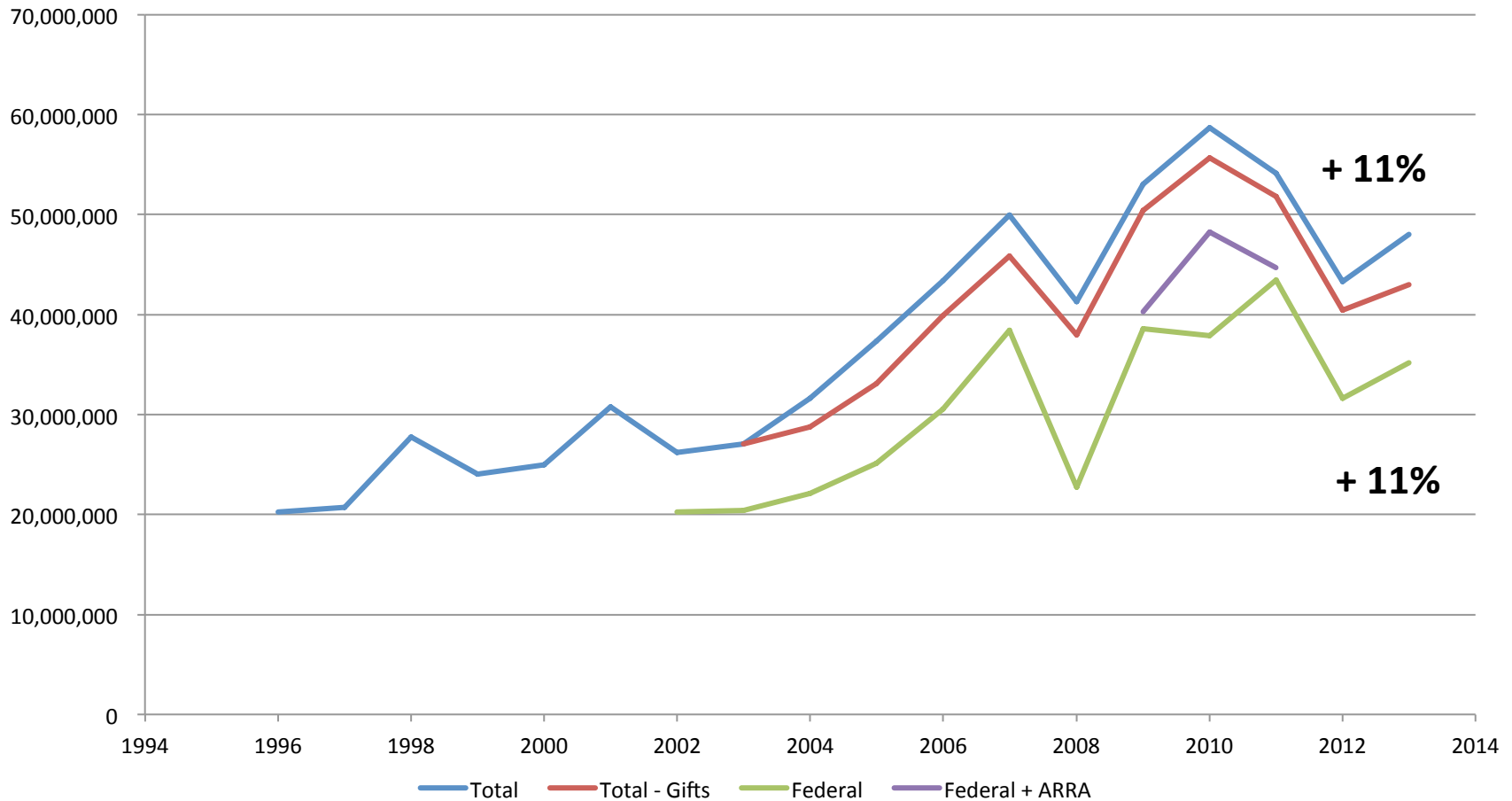
Learning Centers –

- ☐ Additional Coaches/Tutor
- ☐ University-wide Advising
- ☐ New International Student Success Course
- ☐ 1st Year Retention Goal= 85%

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FY13 Sponsored Program Awards

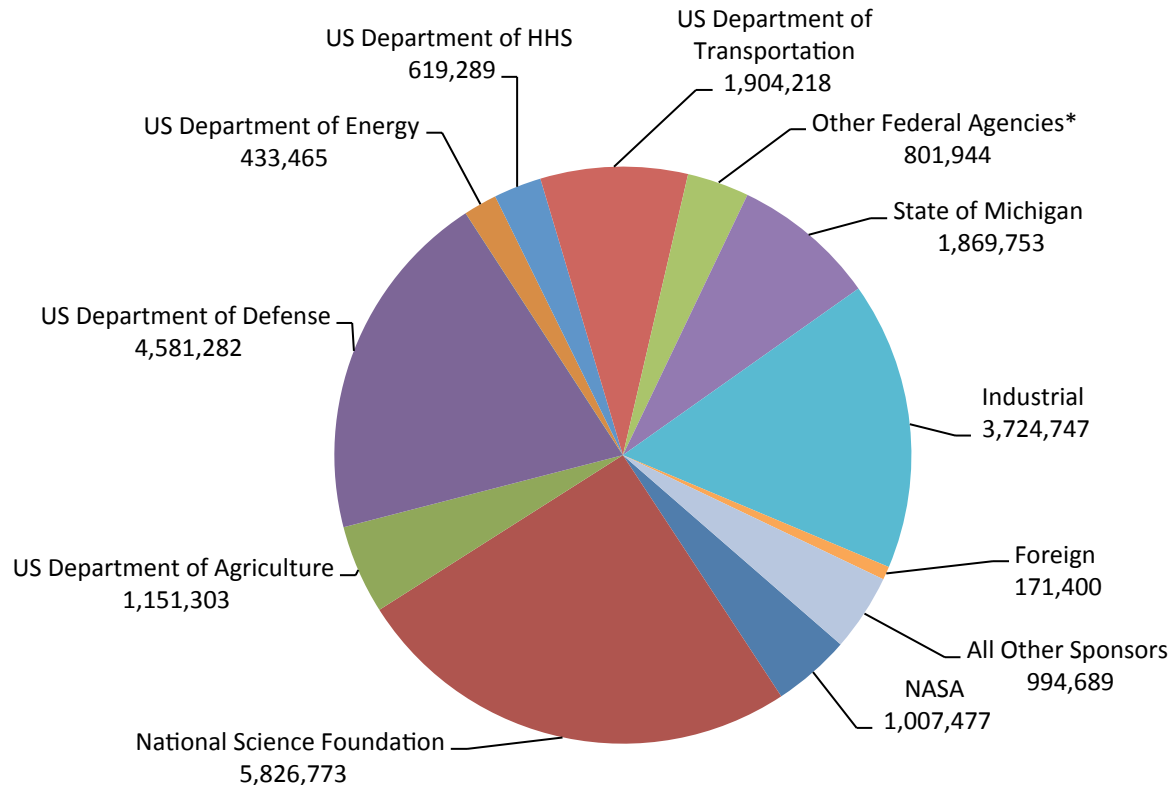


Michigan Tech

Sponsored Awards, 2nd Qtr FY14

Sponsored Awards
Fiscal Year 2014
2nd Quarter
Ended December 31,
2013
TOTAL: \$24,808,283

ARRA Funding
FY2009: 1,688,723
FY2010: 10,334,230
FY2011: 1,230,780
FY2012: 35,895
Total \$ 13,289,628



Michigan Tech

Research

MICHIGAN TECHNOLOGICAL UNIVERSITY / 2014

THE FUTURE HUMAN

New hope
at the
crossroads of
engineering
and medicine



New cardiac
arteries grown
from stem cells
bypass the pitfalls
of artificial grafts.

Hip implants
etched with
nanotubes roll out
a welcome mat for
healing bone cells.

Magnetic sensors
share good news
— and bad —
from deep inside an
artificial knee.

A prosthetic
ankle brings a
natural stride to
an artificial limb.

Michigan Tech

Create the Future

SmartZone Expansion

- ❑ Partnership with Northern Michigan University
- ❑ City of Marquette

Strategic Plan Review Timeline, 2015

Preliminary Activities - Spring 2014

Campus Comment Period - August-September 2014

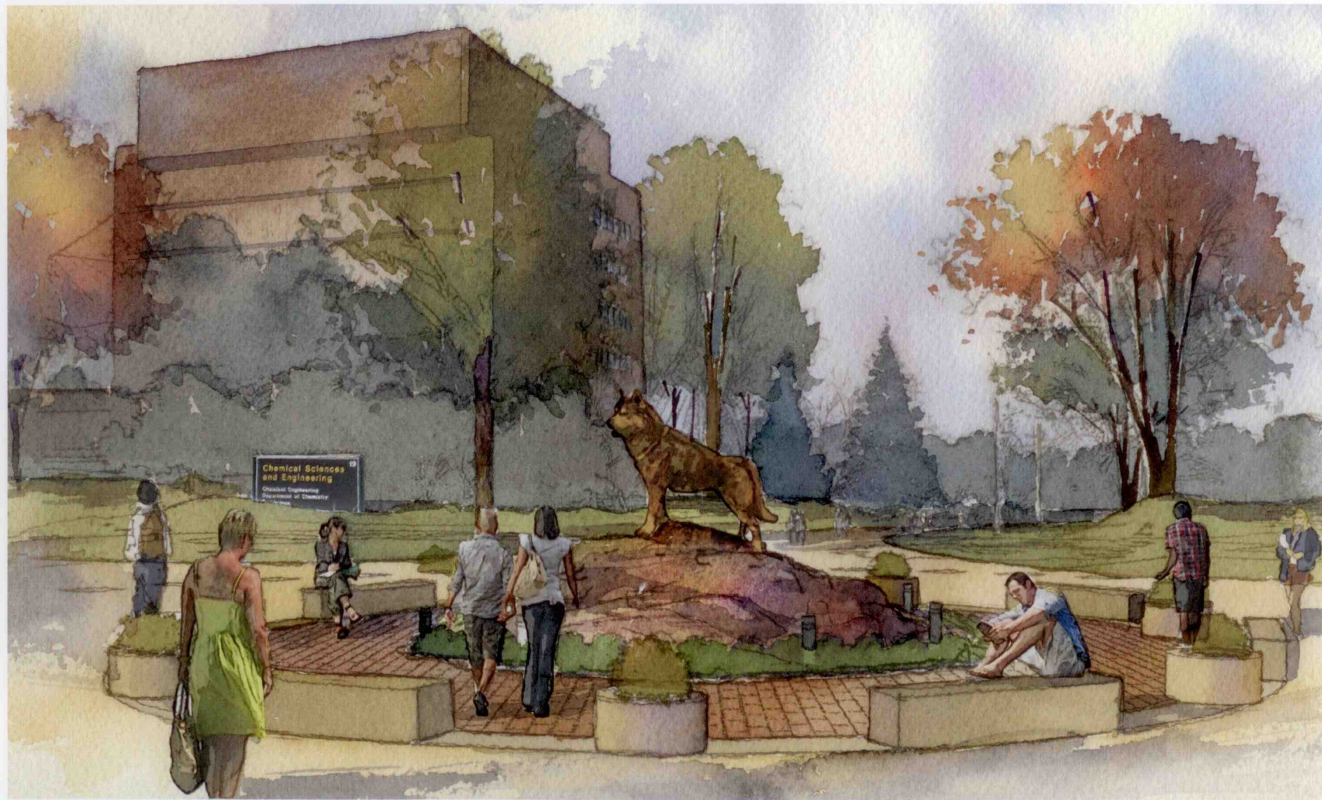
Deans Revision - September 2014

Review with Board of Control - December 2014

Campus Comment Period - December 2014 – January 2015

Preliminary Final Draft - March 2015

Final Board of Control Approval - May 2015



HUSKY SCULPTURE

Alumni Way | HOUGHTON, MICHIGAN

02.10.2014



Thanks For All You Do!

QUESTIONS