



# 2015 REPORT ON ANNUAL INDICATORS

*University Performance Measurement System*

*July 2015*

**THE UNIVERSITY OF MASSACHUSETTS**

AMHERST • BOSTON • DARTMOUTH • LOWELL • MEDICAL SCHOOL • UMASSONLINE

<< This page has been intentionally left blank >>

## Message from the President

I am pleased to present the University of Massachusetts *2015 Report on Annual Indicators*, an effort that illustrates our unwavering commitment to accountability, assessment and improvement. We undertake this comprehensive self-analysis every year as a means of knowing what we do well, in what areas we would like to grow, and how with our excellence in education, research, and service, we can better serve the Commonwealth of Massachusetts. This report measures the University's progress toward achieving the strategic priorities approved by the University of Massachusetts Board of Trustees and embedded in its mission: "to provide an affordable and accessible education of high quality and to conduct programs of research and public service that advance knowledge and improve the lives of the people of the Commonwealth, the nation and the world."

In order to ensure that the University's self-evaluation process is current and in alignment with emerging issues of salience, the *Report on Annual Indicators* undergoes a system-wide review process every five years. The *2015 Report on Annual Indicators* reflects our collective effort in this direction. Several new indicators have been added to the existing repertoire of metrics, including agency bond ratings; key IT metrics; procurement cost-savings; student-faculty ratios; faculty composition; alumni participation rates; four-year graduation rates; entering class composition; student achievement measures, and the like.

As the attached *2015 Annual Indicators Report* demonstrates, the University continues to make significant progress in achieving its long-term goals and fulfilling its special role as the Commonwealth's public research university. As part of that unique mission, UMass is transforming students' lives, shaping the future of our Commonwealth and addressing key state needs. We provide an accessible and affordable education to almost 75,000 students, the vast majority of whom are sons and daughters of the Commonwealth. We conduct over \$600 million in research that leads to groundbreaking discoveries and spin-off companies that create jobs and fuel economic growth. Furthermore, our graduates remain in Massachusetts, entering the workforce in critical fields such as nursing, primary care medicine, computer science, the life sciences and teaching.

The University continues to strive to be accessible and affordable and our efforts in this critical area have been greatly enhanced by the vital support we have received from the Governor and the Legislature – support that has translated into a two-year, \$100 million increase in state funding in over FY14 and FY15 for the UMass system, and two consecutive tuition-and-mandatory-fee freezes for in-state undergraduate students. Further, with continued strong performances in sponsored research funding, we as a University are holding firm to our core mission of education, research and service. As we navigate through the current environment, please be assured that the Trustees, Chancellors and I are committed to managing University resources wisely and strategically.

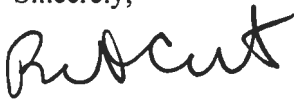
This report documents the continued progress of the UMass system and the individual campuses and compares the University's performance with like institutions across the country on a range of indicators related to Academic Quality, Student Success and Satisfaction, Access and Affordability, Service to the Commonwealth, and Financial Health. Several new indicators were added five years ago in the areas of access and diversity, research and development, and international relations.

Major highlights of the report include:

- ❖ ***UMass continues to be accessible and affordable.***  
UMass tuition and fees average 15% of statewide median family income, a percent much lower than that for the state's private universities (51%) and other New England public universities (19%). In FY14, UMass spent approximately \$224.8 million of its own resources on financial aid, meeting 86.9% of Massachusetts students' estimated financial need. Since 2005, total institutional financial aid has increased by \$87.6 million or 143 percent.
- ❖ ***UMass serves citizens of the Commonwealth.***  
Four-fifths (80%) of UMass undergraduate freshmen are Massachusetts residents, compared with less than a quarter (22%) at its private peers in the state.
- ❖ ***UMass' research capacity continues to grow.***  
In FY 2014, the system expended \$603 million in sponsored research, representing a two percent increase over FY 2013 even in such challenging times. Furthermore, in 2013-14, the five campuses awarded a total of 773 doctoral degrees across various disciplines, including 134 MD degrees from the UMass Medical School and 79 JD degrees from UMass Dartmouth.
- ❖ ***UMass' contribution to an educated citizenry and workforce remains high.***  
UMass awarded 17,174 degrees and certificates in 2013-14, comprising 20% of all undergraduate and graduates degrees awarded in the Commonwealth. The University's impact is particularly high in the following fields: computer and information sciences, engineering, and health (bachelor's level), natural sciences and math, and engineering (master's level) and education and business (doctoral level).
- ❖ ***Financial indicators reflect the University's investment in capital.***  
In FY 2014, primary reserve was consistent with peers however the University was beginning to use funds for capital expenditures and other investments and debt service to operations was growing toward the 8.0% cap set by the University reflecting the aggressive and much needed capital investments being made across all of the campuses.

The University is committed to providing an affordable and accessible education of high quality and serving as collaborative partner with state and industry leaders to foster economic development. We are proud of our mission and our achievements, but still strive to improve in key areas that benefit the constituents we serve. I hope you find this report helpful. Thank you for your continued interest in and support for the University of Massachusetts.

Sincerely,



Robert L. Caret  
President

30th June 2015

# **UNIVERSITY OF MASSACHUSETTS**

*Amherst • Boston • Dartmouth • Lowell • Medical School*

---

## **2015 REPORT ON ANNUAL INDICATORS** **University Performance Measurement System**

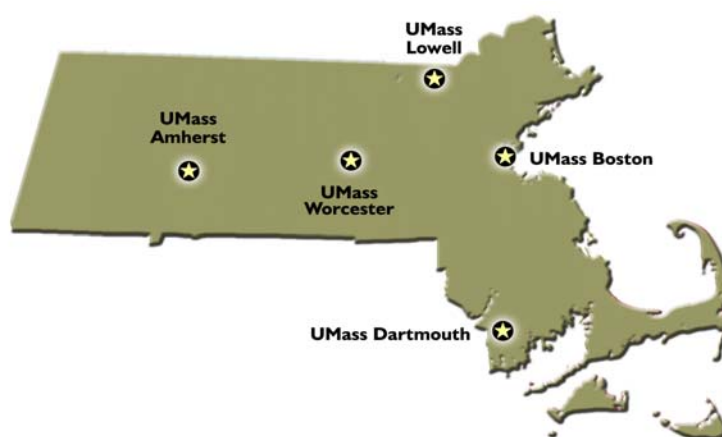
<< This page has been intentionally left blank >>

# CONTENTS

<b>THE 2015 REPORT ON ANNUAL INDICATORS</b>	1	<b>UMASS DARTMOUTH</b>	<b>67</b>
<b>2015 ANNUAL INDICATORS</b>	3	<b>HEADLINES FROM THE 2015 ANNUAL INDICATORS</b>	67
<b>UMASS SYSTEM</b>	<b>5</b>	<b>2015 ANNUAL INDICATORS AT A GLANCE</b>	68
<b>HEADLINES FROM THE 2015 ANNUAL INDICATORS</b>	5	<b>DATA TABLES AND CHARTS</b>	70
<b>2015 ANNUAL INDICATORS AT A GLANCE</b>	7	ACADEMIC QUALITY	70
<b>DATA TABLES AND CHARTS</b>	8	ACCESS AND AFFORDABILITY	75
ACADEMIC QUALITY	8	STUDENT SUCCESS AND SATISFACTION	76
ACCESS AND AFFORDABILITY	10	SERVICE TO THE COMMONWEALTH	80
STUDENT SUCCESS AND SATISFACTION	11	FINANCIAL HEALTH	82
SERVICE TO THE COMMONWEALTH	12	<b>DEFINITIONS AND SOURCES</b>	85
FINANCIAL HEALTH	17		
<b>DEFINITIONS AND SOURCES</b>	20	<b>UMASS LOWELL</b>	<b>89</b>
		<b>HEADLINES FROM THE 2015 ANNUAL INDICATORS</b>	89
<b>UMASS AMHERST</b>	<b>23</b>	<b>2015 ANNUAL INDICATORS AT A GLANCE</b>	91
<b>HEADLINES FROM THE 2015 ANNUAL INDICATORS</b>	23	<b>DATA TABLES AND CHARTS</b>	95
<b>2015 ANNUAL INDICATORS AT A GLANCE</b>	25	ACADEMIC QUALITY	93
<b>DATA TABLES AND CHARTS</b>	27	ACCESS AND AFFORDABILITY	99
ACADEMIC QUALITY	27	STUDENT SUCCESS AND SATISFACTION	100
ACCESS AND AFFORDABILITY	32	SERVICE TO THE COMMONWEALTH	104
STUDENT SUCCESS AND SATISFACTION	33	FINANCIAL HEALTH	106
SERVICE TO THE COMMONWEALTH	37	<b>DEFINITIONS AND SOURCES</b>	108
FINANCIAL HEALTH	39		
<b>DEFINITIONS AND SOURCES</b>	41	<b>UMASS MEDICAL SCHOOL</b>	<b>112</b>
		<b>HEADLINES FROM THE 2015 ANNUAL INDICATORS</b>	112
<b>UMASS BOSTON</b>	<b>45</b>	<b>2015 ANNUAL INDICATORS AT A GLANCE</b>	114
<b>HEADLINES FROM THE 2015 ANNUAL INDICATORS</b>	45	<b>DATA TABLES AND CHARTS</b>	115
<b>2015 ANNUAL INDICATORS AT A GLANCE</b>	47	ACADEMIC QUALITY	115
<b>DATA TABLES AND CHARTS</b>	49	ACCESS AND AFFORDABILITY	122
ACADEMIC QUALITY	49	STUDENT SUCCESS AND SATISFACTION	123
ACCESS AND AFFORDABILITY	54	SERVICE TO THE COMMONWEALTH	123
STUDENT SUCCESS AND SATISFACTION	55	FINANCIAL HEALTH	125
SERVICE TO THE COMMONWEALTH	58	<b>DEFINITIONS AND SOURCES</b>	127
FINANCIAL HEALTH	61		
<b>DEFINITIONS AND SOURCES</b>	63	<b>APPENDICES</b>	<b>130</b>
		<b>CLERY ACT CRIME STATISTICS</b>	
		AMHERST	130
		BOSTON	131
		DARTMOUTH	132
		LOWELL	133
		WORCESTER	134

*Note: The campus segments of this report are prepared and provided by the UMass Campuses.*

*Important information related to all metrics included in this report can be found in the “Definitions and Sources” sections at the end of each segment.*



## THE 2015 REPORT ON ANNUAL INDICATORS

The University of Massachusetts Annual Indicators Report measures progress toward achieving the strategic priorities approved by the Trustees and embedded in its mission - 'to provide an affordable and accessible education of high quality and to conduct programs of research and public service that advance knowledge and improve the lives of the people of the Commonwealth, the nation, and the world.' The 2015 Report on Annual Indicators is the 18<sup>th</sup> annual report of the University of Massachusetts Performance Measurement System.

This report provides trustees, legislators, and state-level policy makers with information by which they can assess the University as compared with similar institutions and its own performance in the past. Through this report and other aspects of performance measurement and assessment, the University seeks to be open and accountable to the constituencies it serves.

The Report on Annual Indicators includes measures that relate to five primary areas:

- *Academic Quality*
- *Student Success and Satisfaction*
- *Access and Affordability*
- *Service to the Commonwealth*
- *Financial Health*

Encompassed within these five areas are nine strategic priorities of the University. The strategic priorities are:

- *Improve student learning experience*
- *Strengthen research and development*
- *Renew faculty*
- *Continue a focus on diversity and positive climate*
- *Maintain and improve access and affordability*
- *Develop leadership role in public service*
- *Increase endowment*
- *Improve administrative and IT services*
- *Develop first-rate infrastructure*

In order to ensure that the University's self-evaluation process is current and in alignment with emerging issues of salience, the Report on Annual Indicators undergoes a system-wide review process every five years. The 2015 Report on Annual Indicators reflects our collective effort in this direction. Several new indicators have been added to the existing repertoire of metrics, including agency bond ratings; key IT metrics; procurement cost-savings; student-faculty ratios; faculty composition; alumni participation rates; four-year graduation rates; entering class composition; student achievement measures, and student debt load.

The Report on Annual Indicators tracks many indicators that are common to all campuses, but some are unique and reflect the distinct missions of each of the campuses.

This report provides relevant longitudinal and comparative data to help the reader assess the information being provided. Each campus has an established peer group that contains comparable as well as "aspirant" institutions. For the Worcester campus, the peer group consists of 20 medical schools in the United States (public and private). For all the other UMass campuses, small groups of institutions comparable in mission, size, student characteristics and programmatic mix are used.

The report presents some indicators in aggregate for the entire system, in particular those that relate to *Access and Affordability*, *Service to the Commonwealth*, and *Financial Health*. Indicators in these areas reflect decisions that rest with the system administration and the Board (such as tuition and fee levels) or describe the collective role of the campuses in serving the students and citizens of the Commonwealth (such as degree production or enrollment of Massachusetts residents). Depending on the indicator, data for the UMass system are compared with Massachusetts private universities, Massachusetts demographic data, New England public universities, or



(for the financial indicators) a small group of public university systems in other states.

The System report is followed by individual reports for each campus. Each report has the following format:

- Headlines from the 2015 Annual Indicators
- 2015 Annual Indicators at a Glance
- Data Tables and Charts
- Definitions and Sources
- List of Institutional Peers

Legislative Priorities	UMass Strategic Priorities	<b>2015 ANNUAL INDICATORS</b>	
<b>ACADEMIC QUALITY</b>	<b>Improve student learning experience</b>	Average HS GPA of Freshmen	
		Average SAT Scores of Freshmen	
		<i>Mean</i>	
		<i>25<sup>th</sup> – 75<sup>th</sup> Percentile</i>	
		Average GPA of Entering Transfers	
		MCAT Scores of Entering Students (UMMS Only)	
		Student Satisfaction with Educational Experience	
		<b>Student-Faculty Ratio</b>	
		<b>Technology-Enhanced Classrooms</b>	
		Doctorates Awarded	
		Postdoctoral Appointees	
		<b>Strengthen research and development</b>	Total R&D Expenditures
			<b>Total R&amp;D Expenditures Ranking</b>
	<b>Total R&amp;D Expenditures Ranking among Carnegie Peers, US Publics, Non-Medical</b>		
	Federal R&D Expenditures (Optional)		
	Total R&D Expenditures per Tenure System Faculty		
	Total R&D Expenditures per FT Faculty		
	Federal R&D Expenditures per FT Faculty		
	Sponsored Instruction and Outreach per Faculty		
	Rank in NIH Funding Among Medical Schools (UMMS Only)		
	US News Ranking in Primary Care Medicine (UMMS Only)		
	Patent Applications		
	License Income		
	<b>Utilization of Shared High Performance Computing Research Resources</b>		
	<b>Renew faculty</b>		<b>Percent Tenured/Tenure-Track Faculty</b>
		New Tenured/Tenure-Track Faculty Hired	
		<b>New Tenured/Tenure-Track Faculty Hired as Percent of All Tenured/Tenure-Track Faculty</b>	
		Change in Tenured/Tenure-Track Faculty	
		Change in Total Faculty FTE	
		<b>Full-Time Instructional Faculty - Percent Faculty-of-Color</b>	
<b>Full-Time Instructional Faculty - Percent Women</b>			
Faculty Awards			
National Academy Members			
<b>ACCESS AND AFFORDABILITY</b>		<b>Access and Affordability</b>	Tuition & Fees as Percent of Statewide Family Income
	Percent (In-State) Pell Grant Recipients		
	Percent of Need Met for In-State Students Awarded Need-Based Aid		
	<b>Average Debt of Students for (UG) Graduating Class</b>		
	<b>Percent Graduating Class (UG) with Debt</b>		
	Percent UGs from Massachusetts		
	Online Course Enrollment		
	Annual Growth in Online Course Enrollments		

Legislative Priorities	UMass Strategic Priorities	<b>2015 ANNUAL INDICATORS</b>
<b>STUDENT SUCCESS AND SATISFACTION</b>	<b>Diversity and positive climate</b>	Percent UGs who are Students of Color
		Percent UGs who are First Generation in College
		Percent UGs with English as Second Language
		Percent UGs who are International
		Total Number of Students who participated in a Study Abroad program
		Freshmen One-Year Retention Rate
		<b>Freshmen Four-Year Graduation Rate</b>
		Freshmen Six-Year Graduation Rate
		Transfer One-Year Retention Rate
		Transfer Four-Year Graduation Rate
		<b>Student Achievement Measure</b>
		<b>Alumni Participation Rate</b>
		Match Rate/Choice of Residency (UMMS Only)
<b>SERVICE TO THE COMMONWEALTH</b>	<b>Develop a leadership role in public service</b>	<b>Percent of Incoming Class that are Transfers/Freshmen</b>
		<b>Degree Completions</b>
		Percent Mass Residents Attending UMass
		In-State UG Enrollment by Region
		Total Degrees and Certificates Awarded
		UMass as Percent of all Massachusetts Degrees
		Percent Alumni who Live in MA
		Enrollment in Science, Technology, Engineering, and Mathematics (STEM) programs
		Degrees and Certificates Awarded in STEM fields
		Service to State Agencies (\$) (UMMS Only)
		<b>Degrees and Certificates Awarded in Healthcare fields</b>
		Test Takers in MTEL Science and Math subject tests
		<b>FINANCIAL HEALTH</b>
Endowment per Student		
Private Funds Raised Annually		
<b>Administration and IT Services</b>	<b>Primary Reserve</b>	
	Campus Safety	
	<b>Procurement Savings/Enhanced Services</b>	
<b>Infrastructure</b>	Debt Service to Operations	
	Deferred Maintenance per GSF	

The indicators in red have been added to the Annual Indicators Report following the System-wide five-year review process, conducted in June 2014.

## HEADLINES FROM THE 2015 ANNUAL INDICATORS

---

### ACADEMIC QUALITY

❖ *UMass continues to admit high quality students.*

UMass attracts highly qualified applicants. For Fall 2014, almost all of the campuses received the highest number of freshmen applications in the last ten years. Freshmen average SAT scores (Reading and Math) were slightly higher from last year for some campuses, ranging from 1029 to 1218. Average high school GPA also increased across some of the UMass campuses, ranging from 3.15-3.78.

❖ *UMass research capacity continues to grow.*

In FY 2014, the system generated \$603 million in research expenditures, reflecting a 2% increase over FY 2013. Furthermore, in 2014, the five campuses awarded a total of 773 doctoral degrees across various disciplines. These include 488 research/scholarship doctoral degrees and 385 professional practice doctoral degrees.

❖ *MA Green High Performance Computing Center.*

Contributing to the University's significant impact in research is the UMass Shared HPC environment, which is a great success by all standard measures. Over 700 researchers across the five UMass campuses held active accounts at this state-of-the-art facility. Of equal importance is the fact that these researchers represented diverse subject areas beyond traditional physical sciences. UMass researchers performed an aggregate of over 3,300 CPU years of computation on the cluster in 2014. Several new faculty recruits choose UMass because of the availability of this supported resource

❖ *UMass Medical School is consistently ranked in the top 3% of medical schools with an emphasis in primary care.*

In the 2015 US News ranking, UMass Medical School ranked fifth among 146 medical schools with emphasis in primary care medicine.

❖ *Commercialization of UMass research continues to grow.*

In FY 2014, license income for the University totaled \$31.1 million, reflecting a 7% decline from FY 2013. Given the volatility in license income data, this decline is to be viewed with caution.

The spike in FY 2012 includes a \$20 million payment from Merck for accomplishing a milestone event in the *human monoclonal antibody against C.difficile* project. UMass ranks among the top US universities in license income. Based on the most current ranking data of the AUTM Survey (FY 2013), the University is ranked 14<sup>th</sup> nationwide among institutions in terms of licensing income generated from technology transfer.

### ACCESS AND AFFORDABILITY

❖ *UMass continues to be accessible and affordable.*

UMass tuition and fees average 15% of statewide median family income, a percent much lower than that for the state's private universities (51%) and other New England public universities (19%).

❖ *UMass serves citizens of the Commonwealth.*

Over four-fifths (82%) of UMass undergraduates are Massachusetts residents, compared with approximately a quarter at private universities in the state. These figures have been consistent over the years.

❖ *UMassOnline expands programs to provide educational access.*

UMass Online reaches diverse and geographically dispersed learners. In AY 2013-14, course enrollments for UMass Online were at 62,066, a 5% increase over AY 2013-14.

### STUDENT SUCCESS AND SATISFACTION

❖ *UMass educates a diverse citizenry.*

The number of students of color enrolling at UMass has increased over the last five years. Currently, nearly one-third (or 31%) of UMass undergraduates are Students of Color. At UMass Boston, 52% of undergraduates (more than 5,256) are students of color, making it the most diverse public university in all of New England. As a point of comparison, approximately 29% of Massachusetts public high school graduates are students of color.

❖ *International Presence among UMass Students.*

There is a growing international presence among UMass students. There are 2,758 international undergraduates students (5%) across the five campuses. The University's graduate program has a stronger international presence by comparison. International students comprise about 8% (or a total of 6,111) of the total student population - including all undergraduates, graduates, and medical students.

❖ *Medical school graduates get their choice of residency.*

Ninety-eight percent (98%) of UMass Medical School graduates were accepted to their choices of residency, a match rate that is consistently higher than the peer institutions.

## SERVICE TO THE COMMONWEALTH

### ❖ *Incoming Class composition.*

The incoming class of Fall 2014 spread across the four undergraduate campuses comprised of a total of 13,932 students, of which 9,339 (67%) were entering freshmen and 4,593 (33%) were transfers.

### ❖ *Majority of Massachusetts residents attend UMass.*

Well over one-fourth (28%) of all Massachusetts residents enrolling in any of the four-year universities in the state as first-time undergraduates, attend UMass.

The University's students come from every region of the state.

### ❖ *UMass' contribution to an educated citizenry and workforce remains high.*

UMass awarded 17,174 degrees and certificates in AY 2013-14. These include a total of 15,978 degrees (bachelor's and above), that represent 13% of all baccalaureate and graduate degrees (20% of bachelor's, 11% of master's degrees and 9% of doctoral and first professional degrees) awarded in the State. UMass has increased its share of the total bachelor's and master's degrees awarded in the State over the past year. The University's impact is particularly high in the following fields: computer & information sciences, engineering, and health (bachelor's level); natural sciences and engineering (master's level); education, computer and information sciences, and math and natural sciences (doctoral level).

In 2013-2014, well over one-fourth (28%) or 4,421 of the University's total degrees were awarded in STEM fields. The University's impact in the Healthcare field has also grown over the past five years, reflecting a 48% increase over this period.

### ❖ *Majority of UMass alumni reside and work in Massachusetts.*

Two out of three (63%) of all graduates of the University remain in the Commonwealth after graduation.

## FINANCIAL HEALTH

### ❖ *Total Endowment at \$757.5 million.*

The market value of the University's endowment grew by 14% between FY 2013 and FY 2014. In comparison, peer institutions reflected a much smaller growth rate in endowment over the same period at 5%.

### ❖ *Private Funds grow to \$116.6 million.*

Private giving to UMass also saw a robust increase in FY 2014, reflecting a 12% increase from last year, and resulting in two consecutive years of an upward trend.

### ❖ *Financial indicators compare favorably to peers.*

In FY 2014, the University's primary reserve and debt service to operations were all within the range of peer systems.

### ❖ *Procurement savings over \$1.1 million.*

In FY 2015, the University reported cost savings of over \$1.1 million through the work of the IT Leveraged Procurement Committee. While meeting the goal of reducing costs, the committee has also provided greater access to faculty, students, and staff to teaching and research tools.

### ❖ *High Bond Ratings.*

The University's high agency bond ratings for FY 2014 (Aa2 rating by Moodys; AA- rating by S&P; AA rating by Fitch) reflected continuing confidence in the institution's overall financial health.

## 2015 ANNUAL INDICATORS AT A GLANCE

---

### ACADEMIC QUALITY

---

• Total R&D Expenditures	\$603M
• License Income	\$31.1M
• Utilization of Shared HPC Research Resource	
<i>No. of Active Labs</i>	701
<i>CPU Utilization (CPU Yrs.)</i>	3,372
• Doctoral awards	773

### ACCESS AND AFFORDABILITY

---

• Tuition & Fees as Percent of Family Income	15%
• Percent Undergraduates from Massachusetts	82%
• Percent of all Undergraduate Freshmen enrolled in four-year institutions in MA, at UMass	28%
• Online Course Enrollments	62,066
• Annual Growth in Online Course Enrollments	5%

### STUDENT SUCCESS AND SATISFACTION

---

• Percent Undergraduates who are Students of Color	31%
• Percent Undergraduates who are International	5%

### SERVICE TO THE COMMONWEALTH

---

• Incoming Class Composition	
<i>Entering Freshmen</i>	9,339 (67%)
<i>Transfers</i>	4,593 (33%)
• Percent MA Residents (Freshmen) Attending the University and its Private Peers, enrolled in UMass	71%
• Enrollment of In-State Undergraduates by Region:	
▪ Greater Boston	43%
▪ Northeastern Mass	20%
▪ Southeastern Mass	19%
▪ Central Mass	9%
▪ Western Mass	9%

• Degrees and Certificates Awarded	17,174
• Degree Completions	15,978
<i>Bachelor's</i>	11,544
<i>Master's</i>	3,661
<i>Doctorate</i>	773
• UMass Degrees as Percent of all MA Degrees	16%
• Percent Graduates who Remain in MA	61%
• MTEL Science and Math Test-Takers	287
• Enrollments in STEM Fields	22,800 (31%)
<i>Undergraduate</i>	17,804 (32%)
<i>Graduate</i>	4,996 (29%)
• Degrees Awarded in STEM Fields	4,421 (28%)
<i>Undergraduate</i>	3,087 (27%)
<i>Graduate</i>	1,334 (30%)
• Degrees Awarded in Healthcare Fields	2,029
<i>Undergraduate</i>	1,367
<i>Graduate</i>	662

### FINANCIAL HEALTH

---

• Total Endowment Assets	\$757.5M
• Annual Growth in Endowment	14%
• Private Funds Raised Annually	\$116.6M
• Primary Reserve	29.1%
• Procurement savings (FY 2015)	\$1.1M
• Agency Bond Ratings	
<i>Moody's</i>	Aa2
<i>S&amp;P</i>	AA-
<i>Fitch</i>	AA
• Debt Service to Operations	6.3%
• Total Deferred Maintenance Cost	\$3.33B
• Deferred Maintenance per GSF	\$160

## ACADEMIC QUALITY

### Number of Doctoral Degrees Awarded

UMass campuses awarded a total of 773 doctoral degrees in the 2013-14 academic year, reflecting a 1% increase over the previous year, and a 40% increase over the last five years. These include both research/scholarship doctorates (488) and professional practice degrees (285). The top five areas with the highest number of doctoral degrees awarded were: Health Professions and Related Sciences (225), Biological/Life Sciences (87), Education (60), Engineering (78), and Physical Sciences (49). A total of 134 MD degrees were awarded by UMMS. UMass Dartmouth awarded 79 Juris Doctor degrees in its Law program.

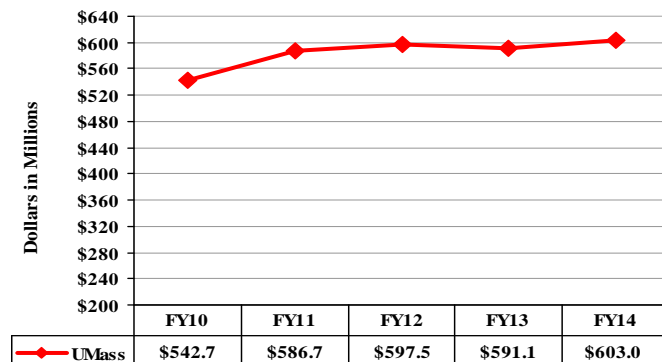
<i>Number of Doctoral Degrees Awarded</i>	2009-10	2010-11	2011-12	2012-13	2013-14
<b>UMass Total</b>	552	616	678	765	<b>773</b>

### Total Research & Development Expenditures

The University's Total Research and Development Expenditures increased by 2% to \$603 million in FY 2014, from \$591 million in FY 2013.

In FY 2014, significant declines in federal funding levels impacted all institutions nationwide. At UMass, federal funding dropped from 62% to 60% of all R&D expenditures.

Despite this significant decline in federal funding, UMass's performance in R&D has continued to hold strong at close to the \$600 million mark for four consecutive years now. The millions of research dollars pouring into all five campuses is testament to the University's stature as a world-class institution.



### Number of Patent Applications

In FY 2014, UMass campuses submitted a total of 121 U.S. Patent applications, and matched the five-year high of FY 2010. With the exception of FY 2012, patent applications have consistently been over one hundred, with some years significantly better than others.

<i>Number U.S. Patent Applications</i>	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014
<b>UMass Total</b>	121	101	87	119	<b>121</b>

## License Income

License Income is a measure of the economic value of an institution's inventiveness and a contributor to the University's economic health. License income for UMass totaled \$31.1 million in FY 2014, reflecting a 7% decline from FY 2013. It is important to note that FY 2009 represents a unique year as it includes \$30M up-front payment to UMMS from Merck & Company for the licensing of a human monoclonal antibody combination, developed at the Massachusetts Biologic Laboratories. FY 2012 saw another significant payment of \$20 million from Merck & Company. Based on most current ranking data (FY 2013) of the AUTM (Association of University Technology Managers) survey, the University is ranked 14th nationwide among academic institutions in terms of licensing income generated from its technology transfer operation.



## Utilization of Shared High Performance Computing Research Resources

An example of the University's commitment to strengthening research and development, while striving to address the needs of the Commonwealth, is its investment in the MGHPCC (Massachusetts Green High-Performance Computing Center). Located in Holyoke, MA, the MGHPCC opened in 2012, and is dedicated to support our research mission. The MGHPCC is succeeding by all measures in meeting its goals of being 1) a state of the art data center, 2) enabler of collaborative research and 3) an economic catalyst for the city of Holyoke. The facility achieved LEED Platinum certification. The consortium partners have already secured almost \$10 million in direct research awards with another \$13 million in kind industry contributions.

The UMass Shared HPC environment is also a great success by all standard measures. System utilization is high. The active user count across the five UMass campuses was over 700 researchers. Of equal importance is the fact that these researchers represented diverse subject areas beyond traditional physical sciences. UMass researchers performed an aggregate of over 3,300 CPU years of computation on the cluster in 2014. Several new faculty recruits choose UMass because of the availability of this supported resource.

<i>Utilization of Shared HPC Cluster at MGHPCC</i>	<i>CY 2014</i>
<i>No. of Active Labs Using the Shared HPC Cluster</i>	701
<i>*CPU Utilization</i>	3,372

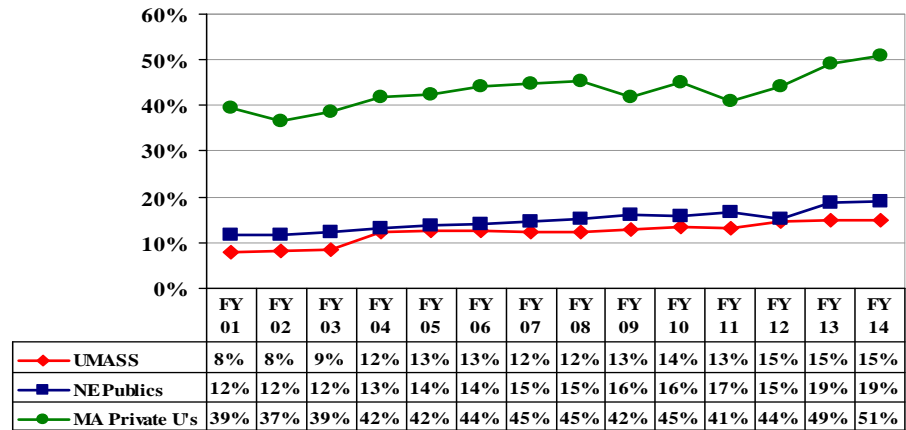
*\* CPU Years used on the shared HPC Cluster*



## ACCESS AND AFFORDABILITY

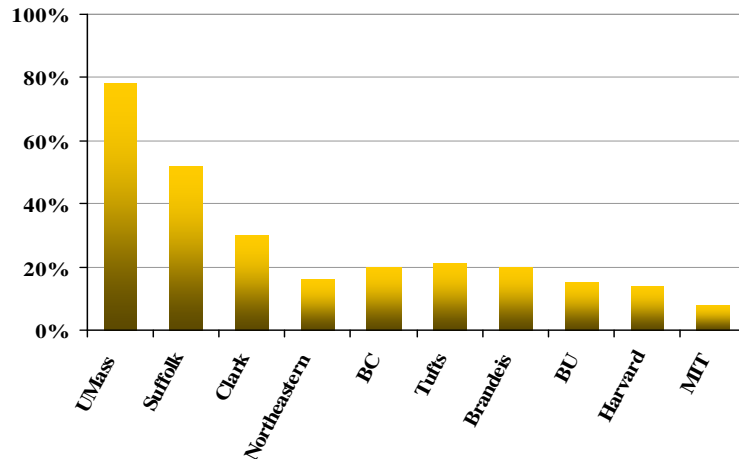
### Tuition and Fees as a Percentage of Family Income

UMass average tuition and fees remain affordable relative to median family income. In FY 2014, UMass tuition and fees averaged 15% of statewide median family income, compared with an average of 51% for the state's private universities as well as an average of 19% for other New England public universities.



### Percent Undergraduate Students from Massachusetts

The vast majority (nearly four-fifths) of UMass undergraduate freshmen are also residents of the Commonwealth. By contrast, 19% of undergraduate freshmen enrolled in the state's private universities come from Massachusetts. Data shows a slight drop for both UMass and MA Privates compared to prior year.

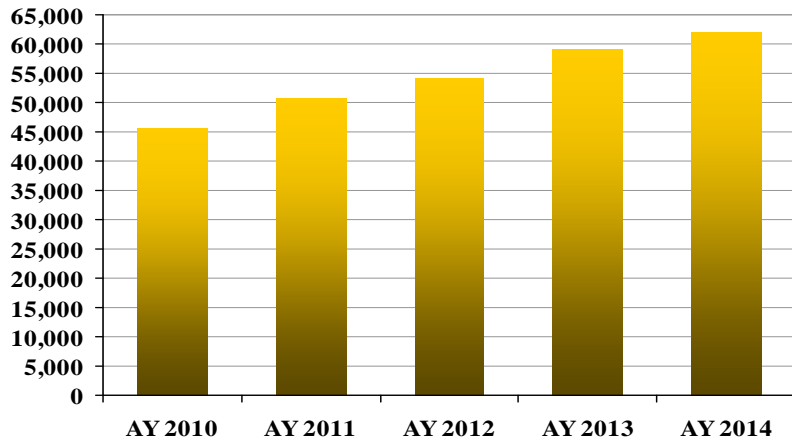


The University continues to attract MA residents as an affordable institution that provides high quality educational opportunities in the state. Over four-fifths (82%) of all undergraduate students attending UMass campuses are MA residents.

UGs from MA	Fall 2010	Fall 2011	Fall 2012	Fall 2013	Fall 2014
Number	44,503	44,756	44,914	45,064	<b>45,312</b>
Percent	86%	84%	83%	82%	<b>82%</b>

**Rate of Growth in Online Course Enrollments**

UMassOnline currently delivers 143 programs to diverse and geographically dispersed learners. Course enrollments in UMassOnline continue to grow at a steady rate. Last year showed a 5% increase in online course enrollments (AY2013-AY2014).

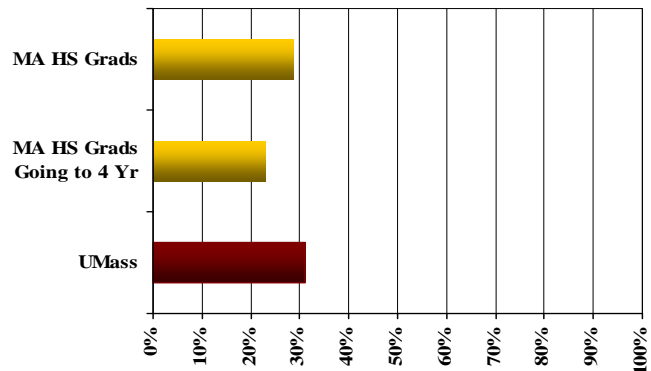


Online Course Enrollments (Number and Growth Rate)	AY 2010	AY 2011	AY 2012	AY 2013	AY 2014
Online Course Enrollments	45,734	50,782	54,086	59,165	<b>62,066</b>
Annual Growth Rate	10%	11%	7%	9%	<b>5%</b>

**STUDENT SUCCESS AND SATISFACTION**

**Percent Undergraduate Students of Color**

Close to one-third (31%) of the University's undergraduate students are Students of Color. This exceeds the diversity of Massachusetts' public high school graduates. Students of Color comprised 29% of the state's population of public high school graduates. Of the Class of 2014 of high school graduates, 23% of those who intend to enroll in a four-year college or university were Students of Color.



### Percent Undergraduates who are International

In Fall 2014, the UMass System had a total of 6,111 international students, comprising 7% of the total student population - including all undergraduates, graduates, and medical students. Five percent of the University's undergraduate students are international students. International undergraduate students enrollment grew by 5%, from 2,239 to 2,758. The University's graduate program has a much stronger international presence by comparison, at 19% of all graduate students.

<i>Percent UG who are International</i>	<i>Fall 2010</i>	<i>Fall 2011</i>	<i>Fall 2012</i>	<i>Fall 2013</i>	<i>Fall 2014</i>
Number	861	1,254	1,746	2,239	<b>2,758</b>
Percent	2%	2%	3%	4%	<b>5%</b>

### Number of Students that Participated in a Study Abroad Program

In 2013-14, over 1,600 UMass undergraduate students participated in a Study Abroad program. This is a 2% increase from the previous year, and a 21% increase over the past five years.

<i>Number of Students in a Study Abroad Program</i>	<i>Fall 2009-Summer 2010</i>	<i>Fall 2010-Summer 2011</i>	<i>Fall 2011-Summer 2012</i>	<i>Fall 2012-Summer 2013</i>	<i>Fall 2013-Summer 2014</i>
Number	1,331	1,506	1,491	1,572	<b>1,606</b>

## SERVICE TO THE COMMONWEALTH

### Incoming Class Composition

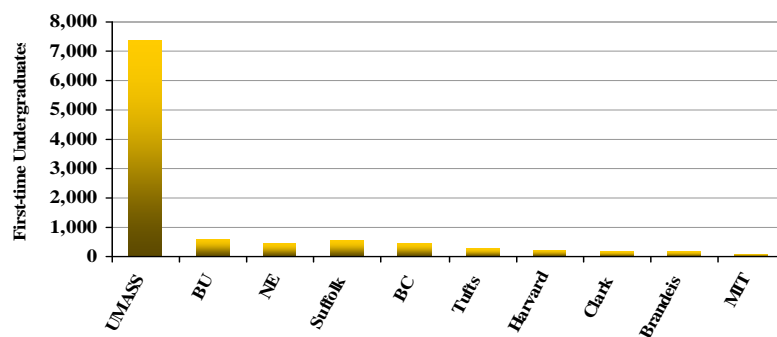
The incoming class of Fall 2014 spread across the four undergraduate campuses comprised of a total of 13,932 students, of which 9,339 were entering freshmen and 4,593 were transfers. The split between freshman and transfers in the incoming class remains stable at 67% freshman and 33% transfers.

<i>Incoming Class Composition</i>	<i>Fall 2010</i>	<i>Fall 2011</i>	<i>Fall 2012</i>	<i>Fall 2013</i>	<i>Fall 2014</i>
<i>Total Incoming Class</i>	13,197	13,409	13,399	13,699	<b>13,932</b>
<i>Entering Freshmen</i>	8,939	8,986	8,930	9,189	<b>9,339</b>
<i>Percent Entering Freshmen</i>	68%	67%	67%	67%	67%
<i>Transfers</i>	4,258	4,423	4,469	4,519	4,593
<i>Percent Transfers</i>	32%	33%	33%	33%	33%

### Enrollment of Massachusetts Residents

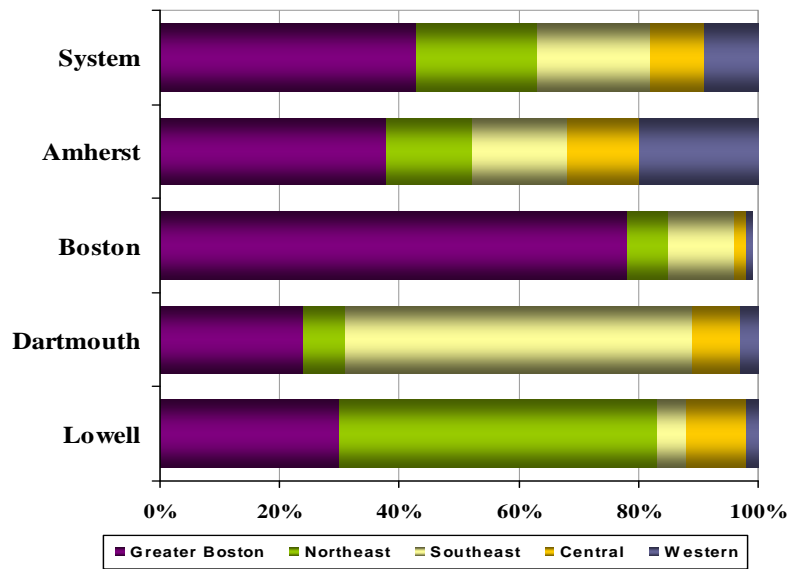
Nearly three out of four (71%) In-State undergraduate freshmen attending the University or its Private Peers, is enrolled at a UMass campus.

Twenty eight percent (28%) of all first-time in-state undergraduates attending any four-year institution in the Commonwealth go to UMass.



### Enrollment by Region

UMass serves undergraduate students from all regions of the Commonwealth - UMass Boston drawing 78% from the Greater Boston area, Dartmouth drawing 58% from Southeastern Massachusetts, and Lowell drawing 53% from the Northeastern corner of the state. Thirty-eight percent of Amherst's undergraduate students from MA are from Greater Boston, and another 20% are from the Western area. Data are based on UMass Undergraduate students that are residents of the Commonwealth.



### Degree Completions

In 2013-14, 15,978 degrees were conferred by the University, reflecting a 5% increase from the previous year, and an impressive 20% increase over the past five years.

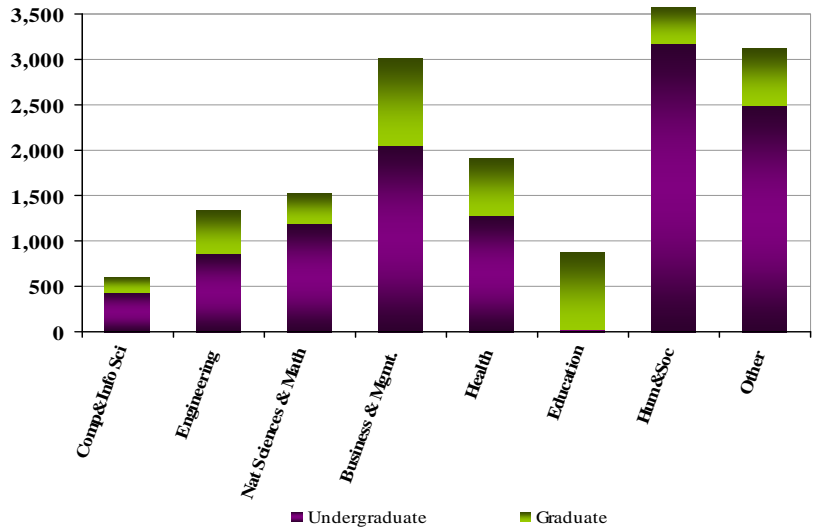
Of the degrees awarded in 2013-14, 72% were at the undergraduate level and 28% were at the graduate level. Twenty-three percent of all degrees were masters degrees and 5% were doctoral degrees.

In 2013-14, the University awarded an additional 96 Associates degrees in the fields of Agriculture, CIS, and Engineering Technology. These data are not included in the four-plus degree categories presented here.

<i>Degree Completions</i>	2009-10	2010-11	2011-12	2012-13	2013-14
<i>Bachelor's degrees</i>	9,387	9,994	10,440	10,910	<b>11,544</b>
<i>Masters degrees</i>	3,332	3,535	3,459	3,536	<b>3,661</b>
<i>Doctoral degrees</i>	552	616	678	765	<b>773</b>
<i>Res./Sch. Doctorates</i>	402	430	439	457	<b>488</b>
<i>Prof. Practice Doctorates</i>	150	186	239	308	<b>285</b>
<i>Total Degrees</i>	13,271	14,145	14,577	15,211	<b>15,978</b>

**Awards Conferred by Field**

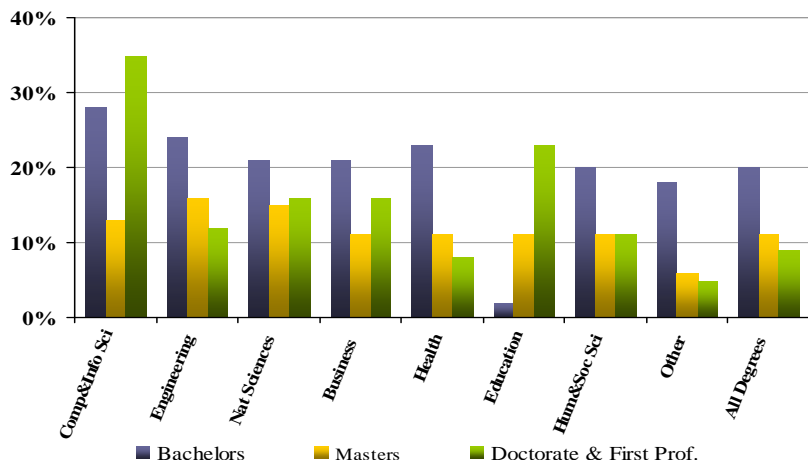
Approximately one in every twelve degrees (bachelor's or higher) was in the Health Sciences and Professions for a total of 1,908. In Education, a total of 880 degrees were awarded, 96% of which were at the graduate level. Approximately one-fourth (23%) of all the awards were in the Humanities and Social Sciences. Business/Management comprised close to one-fifth (20%) of all awards. The University conferred 610 degrees (4%) in Computer and Information Sciences (bachelor's or higher), 1,226 (8%) awards in Engineering and Engineering-related Technologies, and 1,343 (9%) awards in Math and Natural Sciences.



**UMass Degrees as Percent of Massachusetts Degrees**

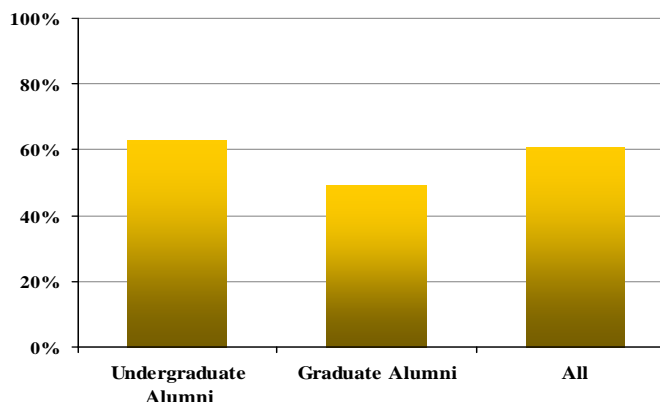
The University of Massachusetts awarded 16% of all baccalaureate and graduate degrees last year (20% of bachelors, 11% of master's degrees and 9% of doctoral and first professional degrees) in the State.

The University's impact is particularly high in the following fields: computer & information sciences, engineering, and health (bachelor's level); natural sciences and engineering (master's level); education, computer and information sciences, and math and natural sciences (doctoral level).



## Percentage of Graduates Who Live in Massachusetts

Almost two out of three (63%) undergraduate alumni and half (49%) of graduate alumni of the University live and work in the Commonwealth of Massachusetts. In all, 61% of UMass graduates continue to live and work in the Commonwealth.



## Enrollments in STEM Fields

The upward trend in STEM enrollment has continued over the past five years, reflecting an impressive 38% growth over this period.

### Undergraduate Enrollment

	2009-10	2010-11	2011-12	2012-13	2013-14
<i>Total UG Enrollment</i>	51,966	52,987	53,901	54,671	<b>55,392</b>
<i>STEM Enrollment</i>	12,970	13,864	15,107	16,212	<b>17,804</b>
<i>Percent STEM</i>	25%	26%	28%	30%	<b>32%</b>

In 2013-2014, nearly one-third (31%) or 22,800 of the University's total enrollment were in STEM fields. The University's strong impact in this area was reflected at both the undergraduate and the graduate levels, with 32% (17,804) of all undergraduate enrollments and 29% of all graduate enrollments (4,996) being in STEM fields.

### Graduate Enrollment

	2009-10	2010-11	2011-12	2012-13	2013-14
<i>Total Graduate Enrollment</i>	16,349	16,683	16,873	17,270	<b>17,397</b>
<i>STEM Enrollment</i>	3,617	3,755	3,834	4,100	<b>4,996</b>
<i>Percent STEM</i>	22%	23%	23%	24%	<b>29%</b>

### All Enrollment

	2008-09	2009-10	2010-11	2011-12	2013-14
<i>Grand Total Enrollment</i>	68,315	69,670	70,774	71,941	<b>72,789</b>
<i>Grand Total STEM</i>	16,587	17,619	18,941	20,312	<b>22,800</b>
<i>Grand Total Percent</i>	24%	25%	27%	28%	<b>31%</b>

## Degrees and Certificates Awarded in STEM Fields

The upward trend in STEM enrollment has naturally been mirrored in the number of degrees and certificates awarded over the past five years.

Undergraduate Degrees					
	2009-10	2010-11	2011-12	2012-13	2013-14
<i>Total Degrees</i>	9,400	9,983	10,435	10,910	<b>11,544</b>
<i>STEM</i>	2,085	2,102	2,488	2,639	<b>3,087</b>
<i>Percent STEM</i>	22%	21%	24%	24%	<b>27%</b>

In 2013-2014, well over one-fourth (28%) or 4,421 of the University's total degrees were awarded in STEM fields. Twenty-seven percent (3,087) of all undergraduate degrees and 30% of all graduate degrees (1,334) were in STEM fields.

Graduate Degrees					
	2008-09	2009-10	2010-11	2011-12	2013-14
<i>Total Degrees</i>	3,523	3,657	3,954	4,142	<b>4,434</b>
<i>STEM</i>	852	887	914	958	<b>1,334</b>
<i>Percent STEM</i>	24%	24%	23%	23%	<b>30%</b>

An increasing number of students are pursuing STEM certificates as well. The last five years saw a similar upward trend in STEM certificates. STEM certificates grew from 11% to 16% of all certificates awarded by the UMass campuses.

All Degrees					
	2008-09	2009-10	2010-11	2011-12	2013-14
<i>Grand Total Degrees</i>	12,315	13,057	13,937	14,577	<b>15,978</b>
<i>Grand Total STEM</i>	2,563	2,972	3,016	3,446	<b>4,421</b>
<i>Grand Total Percent</i>	21%	23%	22%	24%	<b>28%</b>

Certificates					
	2008-09	2009-10	2010-11	2011-12	2013-14
<i>Total Certificates</i>	655	749	836	972	<b>1,073</b>
<i>STEM</i>	47	60	93	111	<b>167</b>
<i>Percent STEM</i>	7%	8%	11%	11%	<b>16%</b>

## Degrees and Certificates Awarded in Healthcare Fields

The University's impact in the Healthcare field has grown over the past five years. Between 2009-10 and 2013-14, the total number of Healthcare degrees awarded across the five UMass campuses increased from 1,373 to 2,029, reflecting a 48% growth.

In 2013-2014, 13% of the University's total degrees were awarded in Healthcare fields. One in ten masters (10%) degrees and two of five doctoral (40%) degrees were in healthcare. Healthcare degrees now represent a significant 12% (1,367) of all bachelors degrees, reflecting a 2% growth in its proportionate share of all UG degrees over the last five years. In 2009-10, 10% of all bachelor's degrees awarded by UMass campuses were in Healthcare. An increasing numbers of students are pursuing Healthcare certificates as well. In the last five years, Healthcare certificates awarded by UMass campuses grew by 67%.

<i>Healthcare Degrees and Certs.</i>	2009-10	2010-11	2011-12	2012-13	2013-14
<i>Bachelor's degrees</i>	896	1,049	1,030	1,277	<b>1,367</b>
<i>Masters degrees</i>	266	276	309	362	<b>350</b>
<i>Doctoral degrees</i>	211	222	327	314	<b>312</b>
<i>Res./Sch. Doctorates</i>	14	16	30	15	<b>19</b>
<i>Professional Practice Doctorates</i>	145	141	196	205	<b>206</b>
<i>Total Degrees</i>	1,373	1,547	1,666	1,953	<b>2,029</b>

<i>Total Certificates</i>	107	110	139	145	<b>179</b>
---------------------------	-----	-----	-----	-----	------------

**MTEL Science and Math Test-Takers**

In 2013-14, 287 of the students completing the University's teacher preparation programs took the Massachusetts Tests for Educator Licensure (MTEL) in Science and Math subjects. This reflects an 86% increase over the past five years, and is a clear reflection of the recent successes achieved by campuses in their STEM initiatives.

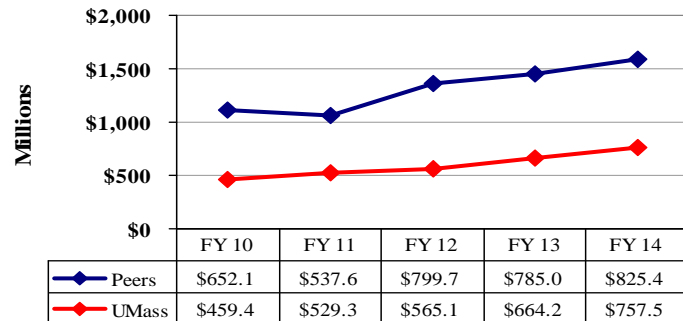
2009-10	2010-11	2011-12	2012-13	2013-14
154	205	205	298	<b>287</b>

**FINANCIAL HEALTH**

**Endowment Assets**

UMass's endowment grew at a rate of approximately 14% from FY 2013 to FY 2014, while the average for all university endowments increased at a much slower rate of 5% for the same period.

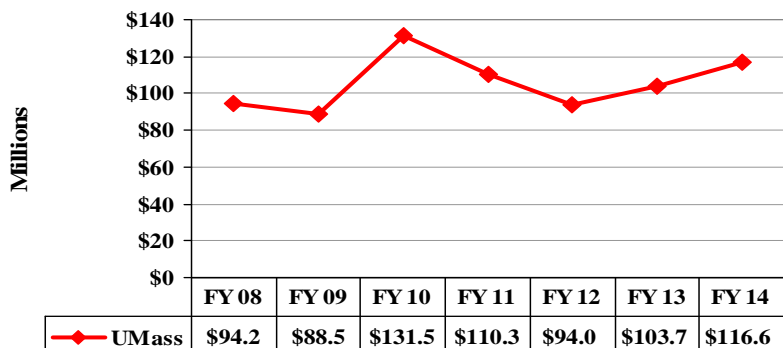
*Peers include CO, CT, IL, ME, MD, MO, NH.*



Annual Growth Rate	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014
UMass	23.4%	15.2%	6.8%	17.5%	<b>14.0%</b>
Peers	10.6%	-17.6%	48.8%	-1.8%	<b>5.1%</b>

**Private Funds Raised Annually**

Private giving saw a robust increase in FY 2014 at \$116.6 million, reflecting two consecutive years of an upward trend. Between FY 2013 and FY 2014, total private funds for the University grew by 12%.



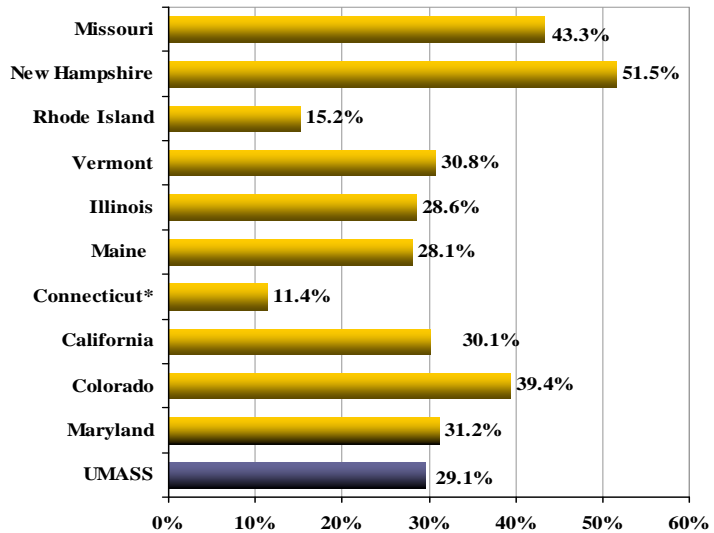
*\* Includes cash, pledges and grants*



**Primary Reserve**

Primary Reserve is the total unrestricted net assets divided by total operating expenditures.

The primary reserve reflects the long-term financial health of an institution and its ability to weather itself from short-term operational ups and downs. This indicator compares our reserves to our annual operating expenditures plus interest payments on our debt. The University builds reserves for strategic use. If you look at this metric in conjunction with the Operating Margin you will see that even though margins are low, the University's overall reserve remains strong over the projection period meaning we are not exhausting reserves to meet overall spending needs.



**Procurement Savings/Enhanced Services**

The collaborative efforts of the campuses focused on leveraging maximum value on software related costs, hardware products and maintenance. Through the work of the IT Leveraged Procurement Committee, this resulted in reported cost savings of over \$500k in FY14 and over \$1.1M in FY15. While meeting the goal of reducing costs, the committee has also provided greater access to faculty, students, and staff to teaching and research tools. Additionally, the Committee has a large list of projects scheduled for completion during FY16.

<i>Procurement Savings/ Enhanced Services</i>	<i>FY 2014</i>	<i>FY 2015</i>
	\$587,000	\$1,126,000

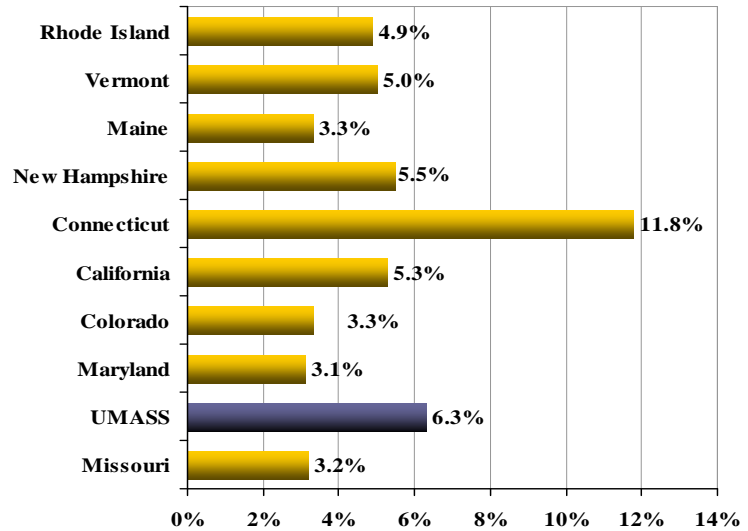
**Bond Ratings**

A grade provided by an independent financial institution that is determined by examining an array of factors such as the credit worthiness, ability to pay principal and interest, overall financial strength, etc. The ratings are vital metrics used to determine interest rates on University debt.

<i>Bond Ratings</i>	<i>FY 2010</i>	<i>FY 2011</i>	<i>FY 2012</i>	<i>FY 2013</i>	<i>FY 2014</i>
<i>Moodys</i>	Aa2	Aa2	Aa2	Aa2	<b>Aa2</b>
<i>S&amp;P</i>	na	na	na	AA-	<b>AA-</b>
<i>Fitch</i>	AA-	AA	AA	AA	<b>AA</b>

**Debt Service to Operations**

This is the debt service payment (interest and principle) as percent of total operating expenditures. The debt ratio measures the demand that annual commitments to creditors' places on an institution's operating commitments. This indicator simply tells us how much of the annual operating budget must be set aside for long-term debt payments. The bond rating agencies believe that committing more than 10% of current revenues annually for payments to bond holders or other creditors is very risky for creditors. As planned, the University's investment in its capital program shows almost every campus approaching the 8% cap. Overall, we will not exceed this cap and the current capital plan is fully considered in these calculations.



**Total Deferred Maintenance Cost**

There are two components to deferred maintenance: *Keep-Up Costs* – the annual investment needed to ensure buildings will properly perform and reach their useful life and *Catch-Up Costs* – the accumulated backlog of repair/modernization needs and the definition of resource capacity to correct them.

<i>Total Deferred Maintenance Cost</i>	<i>FY 2010</i>	<i>FY 2011</i>	<i>FY 2012</i>	<i>FY 2013</i>	<i>FY 2014</i>
	\$3.40B	\$3.26B	\$3.29B	\$3.24B	\$3.33B

**Deferred Maintenance per GSF**

This is the total dollar amount of need over the next ten years including immediate need, renewal need, and remaining need divided by the total gross square feet of the campus.

<i>Deferred Maintenance per GSF</i>	<i>FY 2010</i>	<i>FY 2011</i>	<i>FY 2012</i>	<i>FY 2013</i>	<i>FY 2014</i>
	\$172	\$165	\$168	\$159	\$160

## DEFINITIONS AND SOURCES

---

### ACADEMIC QUALITY INDICATORS

**Doctoral Degrees Awarded.** Total number of Doctorates awarded by UMass campuses for the academic year 2013-14, which includes September 2013, January 2014, and May 2014 award dates. The data includes both research/scholarship and first-professional doctoral degrees. Aggregated across all UMass campuses for System total.

**Total Research Expenditures.** FY 2014 data as reported to the National Science Foundation (NSF) through its annual Survey of R&D Expenditures at Universities and Colleges. This survey is now called the Higher Education Research and Development (HERD) Survey.

**Number of Patent Applications.** Number of U.S. Patent applications filed per year. Data Source: Data reported by campuses to UMass President's Office, Office of CVIP.

**License Income.** Amount of annual income from license agreements as reported to the Association of University Technology Managers for its annual survey.

#### Utilization of Shared HPC Cluster at MGHPC.

(1) **CPU Years.** A CPU Year is simply the amount of computing work done by a 1 GFLOP reference machine in a year of dedicated service (8760 hours). FLOPS is a standard measure of computing power -- "Floating Point Operations Per Second". A GigaFlop (or Gflop) is a billion FLOPS. A 1 GFlop machine will do a billion operations in a second. A G-hour is the measure of computing work done by a one GFLOP machine in an hour (i.e., a G-hour is one billion FLOPS per second times 3,600 seconds in an hour which equals 3.6 trillion floating point operations).  $3372 \text{ cpu years} \times 8770 \text{ hours/Gflop} \times 3,600,000 \text{ Gflop/hour} = 106,460,784,000,000$  floating point operations completed by UMass researchers in 2014.

(2) **Number of Active Labs.** The total number of MGHPC active user counts across the five UMass campuses.

### ACCESS AND AFFORDABILITY INDICATORS

**Tuition and Fees as a Percentage of Family Income.** Tuition and mandatory fees for in-state undergraduates (FY 2014) as a percentage of state-wide median family income as reported by US Census in 2014 inflation-adjusted dollars (latest available). Comparative data are from IPEDS and US Census.

**Percentage of Undergraduate Students from Massachusetts.** Percentage of Fall 2014 undergraduate

state-supported students from in-state as determined by tuition residency classification.

**Online Course Enrollments and Rate of Growth in Online Course Enrollments.** Total course enrollments in online courses. Percentage rate of growth in annual course registrations. Academic Year 2013-14 represents Fall 2013, Winter 2014, Spring 2014, and Summer 2014 enrollments. Data are for fully online (100%) and blended courses. Source: *UMassOnline*.

### STUDENT SUCCESS AND SATISFACTION INDICATORS

**Percentage Undergraduates who are Students of Color.** Fall 2014 undergraduates who are Black (including Cape Verdean), Hispanic/Latino, Asian and/or Native American, divided by total U.S. citizens and permanent residents who report race/ethnicity. Comparative data for 2014 public high school graduates are from the MA Department of Education.

**Percentage Undergraduates who are International.** Percentage of all undergraduates who are studying at the university on a student visa. International students include all eligible visa types as long as they are enrolled for a credit course; i.e., international students do not include U.S. citizens, U.S. permanent residents or refugees. Aggregated across all UMass campuses for System total.

**Number of Students that Participated in a Study Abroad Program.** Data are for the total number of students who participated in a credit bearing, study abroad program as reported on the Institute of International Education Open Doors survey for Fall 2013 through Summer 2014. Aggregated across all UMass campuses for System total.

### SERVICE TO THE COMMONWEALTH INDICATORS

**Incoming Class Composition.** The percent of an incoming degree-seeking undergraduate class that is entering freshmen vs. transfers. Aggregated across all UMass campuses for System total.

**Enrollment of Massachusetts Residents.** Number of first-year undergraduates enrolling at each institution who are residents of Massachusetts. Data are from the Fall 2014 IPEDS Enrollment student residency table.

**Enrollment by Region.** In-state undergraduate enrollment by region for Fall 2014. Data are from the DHE.

**Degree Completions.** The total number of degrees (not including associates and certificates) awarded in the 2013-14 academic year, by degree level. As reported to IPEDS. Aggregated across all UMass campuses for System total.

**Degrees Conferred by Field.** 2013-14 degrees conferred by UMass campuses by field. IPEDS 2013-14 Completions data.

**UMass Degrees as Percent of all Massachusetts Degrees.** Degrees awarded by UMass as percent of total degrees awarded by colleges and universities in the state in 2013-14 based on IPEDS Completions data.

**Percent of Graduates who Live in Massachusetts.** Percentage of total undergraduate and graduate degree recipients who currently reside in Massachusetts based on alumni records as of Fall 2014.

**Enrollment in STEM Fields.** Number of undergraduate and graduate enrollments in STEM fields. STEM fields are those defined in the National Science & Mathematics Access to Retain Talent (SMART) Grant with the exclusion of foreign languages. Aggregated across all UMass campuses for System total.

**Degrees and Certificates Awarded in STEM Fields.** Number of undergraduate and graduate degrees and certificates awarded in STEM fields. STEM fields are those defined in the National Science & Mathematics Access to Retain Talent (SMART) Grant with the exclusion of foreign languages. Aggregated across all UMass campuses for System total.

**Degrees and Certificates Awarded in Healthcare Fields.** Health Care designation as defined by Campus IR, and based on CIP classification. All of CIP 51 and specific 6-digit CIPs unique to each campus. Aggregated across all UMass campuses for System total.

**MTEL Science & Math Test-Takers.** Total number of students who took the Massachusetts Tests for Educator Licensure (MTEL) subject tests in science and math fields in 2013-14. Data compiled from the campuses' MTEL Annual Institution reports. Aggregated across all UMass campuses for System total.

## FINANCIAL HEALTH INDICATORS

**Endowment Assets.** Market value of true and quasi-endowment assets. Data from the UMass Foundation Advancement Report to the Board of Trustees. Comparative data are from IPEDS, financial statements and NACUBO survey.

**Private Funds Raised Annually.** Private funds raised includes restricted and unrestricted revenues from individuals, foundations, corporations and other organizations. Includes private grant revenues but not private contract revenues. Totals for each year include pledges made in that year as well as the value of in-kind contributions. Data from the UMass Foundation Advancement Report to the Board of Trustees.

**Primary Reserve.** Unrestricted net assets as a percentage of operating expenditures and interest expense. Peer data are from published financial statements. Not comparable to prior years.

**Procurement Savings.** Procurement savings/enhanced services includes reduction in costs vs. previous year/contract and cost avoidance of projected cost increases as a result of the work of the IT leveraged Procurement Committee. Additionally, more features and services are offered to faculty, students and staff.

**Bond Ratings.** A grade provided by an independent financial institution that is determined by examining an array of factors such as the credit worthiness, ability to pay principal and interest, overall financial strength, etc. Agency bond ratings are from Moodys, S&P, Fitch.

**Debt Service to Operations.** Debt service payments as a percentage of operating expenditures and interest expense. Peer data from published financial statements. Not comparable to prior years.

**Total Deferred Maintenance (DM) Cost.** Includes deferred and other maintenance dollars needed to maintain the current function of the campus. This is the amount needed to address the deferred maintenance backlog plus the code work that would be mandated to allow the campus to continue to use the space once the repairs were complete.

**DM Cost per Square Foot.** The total deferred maintenance cost per square foot of space. This ratio quantifies the average dollar level of deferred maintenance work needed per square foot of space.

**PEER INSTITUTIONS FOR UMASS SYSTEM**

***Peer University Systems***

University of Connecticut  
University of California  
University of Colorado  
University of Illinois  
University of Maryland  
University of Missouri

***New England Public Universities***

University of Connecticut  
University of Maine  
University of New Hampshire  
University of Rhode Island  
University of Vermont

***Massachusetts Private Universities***

Boston College  
Boston University  
Brandeis University  
Clark University  
Harvard University  
Massachusetts Institute of Technology  
Northeastern University  
Suffolk University  
Tufts University

*Please Note: Unless otherwise specified, all data are from the UMPO - Office of Institutional Research.*

## HEADLINES FROM THE 2015 ANNUAL INDICATORS

---

### ACADEMIC QUALITY

*The Top American Research Universities (TARU - The Center)* identifies nine performance indicators as measures of academic quality to evaluate the comparative performance of public and private research universities that generate over \$40 million in federal research annually. Included in this group are ten public research universities with a Carnegie classification of very high research activity (RU/VH) with which UMass Amherst is comparing its progress on these and other indicators. All but two of the peers, the Universities of Connecticut and Delaware, are among the 62 members of the Association of American Universities (AAU). AAU institutions are recognized for their excellence in research and education. Therefore, the benchmark for the Amherst campus is quite high. In 2013, the University of Oregon, an AAU institution, replaced the University of Nebraska among UMass Amherst's institutional peers. Historical data have been adjusted to reflect this change.

**Student Academic Quality.** The academic profile of entering students has made impressive gains in recent years, evidenced by growth in both high school GPA and SAT scores. The high school GPA of entering students increased from 3.61 in 2010 to 3.78 in 2014. Virtually all (99%) students entered UMass Amherst with a high school GPA of 3.0 and above. Average SAT scores improved by 51 points over the five-year period (and continue to rise) and are converging on the peer group at the 75<sup>th</sup> percentile. Further, seniors report high satisfaction with their undergraduate experience. Results from the 2014 National Survey of Student Engagement (NSSE) show that 88% of seniors rated their UMass Amherst educational experience positively, and increasing numbers rated it as excellent.

**Advanced Training.** The campus has demonstrated strength in the education and training of pre- and post-doctoral researchers. UMass Amherst is below the peer median for the number of doctoral degrees awarded. The number of post-doctorates receiving training has declined, some of which can be attributed to the 2012 implementation of the campus's first post-doc collective bargaining agreement, which narrowed the definition of the post-doc category and increased salary and benefits.

**Research and Creative Activity.** Total and federal research dollars (R&D) are key measures of an institution's commitment to, and success in research. UMass Amherst faculty have been successful in competing for these dollars. Total R&D spending increased by 18%, and per faculty expenditures

increased by 1% in the past five years. Recent decreases were primarily reflective of federal and state budget restrictions as well as the expiration of most American Recovery and Reinvestment Act (ARRA) grants, but the numbers are now rebounding, exceeding \$200 million for the first time.

The number of academic honors and awards earned by the faculty is another indicator of an institution's quality. The number of National Academy members has remained fairly stable, but below the peer median. A more comprehensive view of awards from Academic Analytics, another source of awards data, shows a steady increase in prestigious awards received by UMass Amherst faculty, up to 345 in FY 2014.

In recent years, the campus invested in tenure-system faculty, and the number of faculty has grown by 7% since 2010. Nevertheless, it is considerably smaller than top public research universities. Continued growth in the tenure-system faculty will be required for the campus to make significant progress in improving academic quality and research productivity, and to advance in the research university rankings.

### ACCESS AND AFFORDABILITY

Providing an affordable and accessible education of high quality is central to the University's mission. In AY 2013-14, 28% of full-time, in-state students qualified for Pell grants. Eighty-two percent of financial need was met for in-state students who applied for aid. The campus continues to recognize its commitment to students with financial need, and has increased institutional need-based aid accordingly.

### STUDENT SUCCESS AND SATISFACTION

Most UMass Amherst students have a positive educational experience. Ninety percent of students return for their sophomore year, 76% graduate within six years from UMass Amherst, the highest graduation rate since the campus began tracking this statistic. The campus has seen rapid improvement in the four-year graduation rate which has increased from 54% for the Fall 2006 cohort to 67% for the Fall 2010 cohort. Retention and graduation rate improvement have closed much of the gap with peer institutions. The campus is implementing and expanding programs that will enrich the college experience with a goal of increasing retention and graduation rates. The **Exploratory Track** program will begin in September with all undeclared first-year students placed in one of eight academic advising tracks each affiliated with an academic school

or college. This new program is expected to give students a stronger sense of belonging within the schools and colleges while still encouraging them to explore options across campus. The students will receive more defined advising assistance and support to help them in their exploration of a major. The campus has also instituted **First Year Seminars** for all incoming freshmen this Fall. All incoming first-year students will select a first year seminar to take their very first semester on campus as part of their transition to the university. This will provide them with an opportunity to explore interesting topics and connect with the campus community including faculty, graduate students and peers. The **Excellence through Student Enhanced Learning (ExSEL)** program is being launched in nine STEM gateway courses and applies the peer-led team learning model that promotes deeper learning and true mastery of problem-solving. Students participating in ExSEL will develop their skills in discipline-based problem solving that will translate into improved performance in the course, and will learn from each other the habits of mind and discipline needed for success in their courses. The **STEM Ambassadors Program** invites students during their freshman first semester to learn about life in the laboratory and engage in research projects together. The STEM Ambassadors also engage in diverse offerings of workshops and participate in community service activities. Through these offerings the STEM Ambassadors strengthen the skills needed to succeed in STEM coursework while building connections with other UMass Amherst students. The University is partnering with the Education Advisory Board (EAB), a best-practices research and consulting firm through its **Student Success Collaborative**. The Collaborative provides access to the predictive analytics advising platform, best practice research studies and collaborative projects that will enhance our ability to understand and improve student advising, retention and degree completion. The project was fully implemented during AY 2014-15. **UMatter at UMass** continues to be an important initiative intended to increase students' connection to campus by affirming the values the university set in motion over 150 years ago: care, compassion and active engagement. Expanded research and scholarship opportunities are also available for undergraduates. Changes in the design and delivery of the General Education curriculum, including an integrative experience requirement for all upper division students also serve to enhance and enrich the student academic experience.

The campus has made progress in increasing the diversity of the student body. The Fall 2014 entering class was the most diverse group of students in history (24% ALANA); overall, over 22% of enrolled undergraduates were students of color. Also, around

one-quarter are the first in their families to pursue a college degree. The campus will continue to attract a diverse student body and encourage greater appreciation for diverse populations.

## SERVICE TO THE COMMONWEALTH

UMass Amherst has invested in programs to promote the enrollment and graduation of undergraduate and graduate students in the sciences and mathematics. In Fall 2014, over one-third of baccalaureate and 29% of graduate students were enrolled in Science, Technology, Engineering and Mathematics (STEM) programs, and over one-quarter of degrees awarded at the undergraduate and graduate levels were in STEM programs. The STEM Diversity Institute (SDI), established in 2012 at UMass Amherst, facilitates the diversification of the science, technology, engineering, and mathematics (STEM) workforce. SDI activities serve undergraduate students, graduate students, postdoctoral fellows, and faculty. These investments will continue.

## FINANCIAL HEALTH

The financial indicators of the Amherst campus demonstrate a commitment to prudent use and investment of state appropriation, student tuition and fees, and other income streams. The campus continues to support the academic enterprise by increasing growth in net revenues from graduate students, increasing summer and continuing and professional education revenue, attracting more donor support, and increasing out-of-state enrollment. Investment in capital infrastructure, faculty growth, and student success initiatives remain cornerstones of the campus strategic plan. The strategic plan identifies three overarching themes: 1) establish the campus as a "destination of choice" for the best and brightest students; 2) establish the campus as an "investment of choice" with a broad range of stakeholders vital to the campus; 3) mobilize resources to achieve these goals. The campus is currently engaged in implementing specific action plans emanating from these themes. Continued state support for general operations and capital remains critical to achieve these goals and to remain financially healthy.

The campus launched **UMass Rising**, a comprehensive fundraising campaign with a goal of \$300 million in 2013. The campaign is designed to enhance excellence and contribute to the long-term sustainability of the campus. To date, the campus has raised \$310 million, exceeding the goal more than a year ahead of schedule. The campaign continues with three priorities: student scholarships, faculty endowments, and restoration of the Old Chapel.

## 2015 ANNUAL INDICATORS AT A GLANCE

## ACADEMIC QUALITY

• Average HS GPA of Freshmen	3.78
• Average SAT Scores of Freshmen	
<i>Arithmetic Mean</i>	1218
25 <sup>th</sup> – 75 <sup>th</sup> <i>Percentile</i>	1130 – 1300
• Average GPA of Entering Transfer Students	3.32
• Student Satisfaction with Educational Experience	88%
• Student-Faculty Ratio	17:1
• Technology-Enhanced Classrooms	288
• No. of Doctoral Degrees Awarded	306
• No. of Postdoctoral Appointees	153
• Total R&D Expenditures	\$200.2M
• Total R&D Expenditures Ranking	105
• Total R&D Expenditures Ranking among Carnegie Peers, US Publics, Non-Medical	9
• Federal R&D Expenditures	\$110.2M
• Total R&D Expenditures per Tenure System Faculty	\$170,270
• Patent Applications	40
• License Income	\$753,000
• Percent Tenured/Tenure-Track Faculty	74%
• New Tenured/Tenure-Track Faculty Hired	68
<i>As Percent of Total T/TT Faculty</i>	6%
• Change in Tenured/Tenure-Track Faculty	+21
• Change in Faculty FTE	+60
• Full-Time Instructional Faculty	
<i>Percent Faculty-of-Color</i>	21%
<i>Percent Women Faculty</i>	43%
• Faculty Awards	8
• National Academy Members	8

## ACCESS AND AFFORDABILITY

• Percent In-State Pell Grant Recipients	28%
• Percent of Need Met for In-State Students Awarded Need-Based Aid	82%
• Average Debt of Students ( <i>UG Graduating Class</i> )	\$30,453
• Percent Graduating Class with Debt (UG)	72%
• Percent Undergraduates from Massachusetts	77%
• Online Course Enrollments	22,139
• Annual Growth in Online Course Enrollments	13%

## STUDENT SUCCESS AND SATISFACTION

• Percent Undergraduates who are Students of Color	22%
• Percent Undergraduates who are First Generation in College	25%
• Percent Undergraduates with English as a Second Language	11%
• Percent Undergraduates who are International	3%
• Number of Students who Participated in a Study Abroad Program	1,194
• Freshmen One-Year Retention Rate	90%
• Freshmen Four-Year Graduation Rate	67%
• Freshmen Six-Year Graduation Rate	76%
• Transfer (Full-time) One-Year Retention Rate	86%
• Transfer (Upper Division) Four-Year Graduation Rate	76%
• Alumni Participation Rate	10%

## SERVICE TO THE COMMONWEALTH

• Incoming Class	5,800
<i>Percent Freshmen</i>	80%
<i>Percent Transfers</i>	20%



- Degree Completions 7,389
  - Bachelor's* 5,674
  - Master's* 1,409
  - Doctorates* 306
- Percent Alumni who Remain in MA 54%
- Enrollment in STEM Programs 9,477 (34%)
  - Undergraduate* 7,775 (36%)
  - Graduate* 1,702 (29%)
- Degrees Awarded in STEM Fields 2,118 (29%)
  - Undergraduate* 1,631 (29%)
  - Graduate* 487 (28%)
- Degrees Awarded in Healthcare Fields 587
  - Undergraduate* 420
  - Graduate* 167
- MTEL Science and Math Test-Takers 25

## FINANCIAL HEALTH

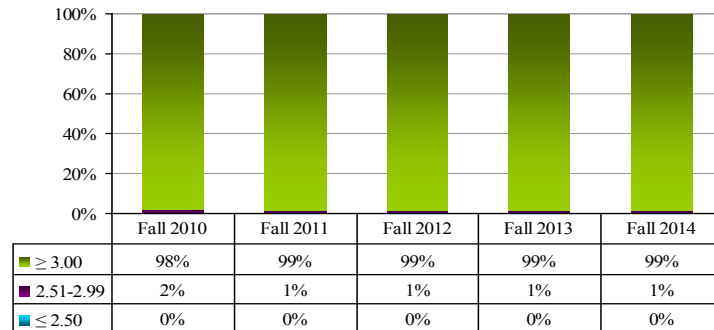
---

- Total Endowment \$307.1M
- Annual Growth in Endowment 13%
- Endowment per Annualized Student FTE \$11,107
- Private Funds Raised Annually \$45.7M
- Primary Reserve 27.9%
- Debt Ratio 6.2%
- Deferred Maintenance per GSF \$143

## ACADEMIC QUALITY

### High School GPA of Freshmen

UMass Amherst entering first-year students are strong academically with an average high school GPA of 3.78. The Fall 2014 entering class was at a historical high with 99% of students earning a GPA of 3.0 and above. This was the eighth consecutive year of increases. There were 4,642 students in the Fall 2014 entering class.



Average HS GPA	2010	2011	2012	2013	2014
	3.61	3.64	3.66	3.73	<b>3.78</b>

### Average SAT Scores of Freshmen

First-year students entered UMA with a mean SAT of 1218, posting a 5-year increase of 51 points. This is another historical high for the campus. SAT scores have improved by 50 points at both the 25th and 75th percentile since Fall 2010. The campus is above the Fall 2014 median of the peer group at the 25th percentile, but still lags behind the peers at the 75th.

Average SAT Scores of Freshmen	Fall 2010	Fall 2011	Fall 2012	Fall 2013	Fall 2014
75th Percentile	1250	1270	1280	1290	<b>1300</b>
25th Percentile	1080	1100	1110	1120	<b>1130</b>
Peer Median					
75th Percentile	1305	1310	1305	1315	1325
25th Percentile	1075	1085	1075	1075	1085
UMA Rank					
75th Percentile	10	8	8	7	7
25th Percentile	8	5	4	4	4

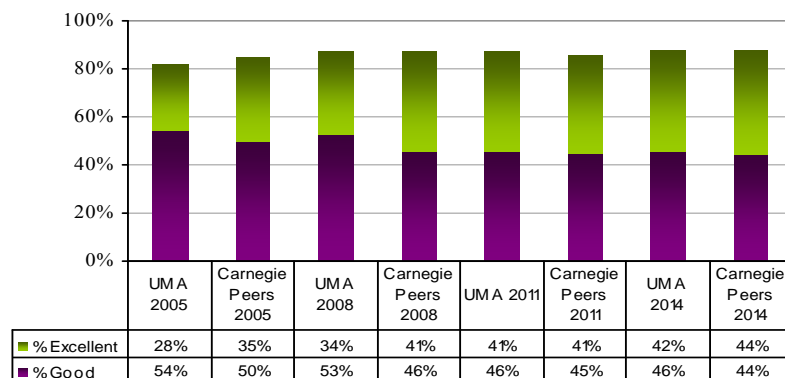
### Average GPA of Entering Transfer Students

The transfer GPA remains high. It consistently surpasses the mandated Department of Higher Education minimum of 2.00 for transfer students.

Avg. GPA Entering Transfers	Fall 2010	Fall 2011	Fall 2012	Fall 2013	Fall 2014
	3.25	3.29	3.27	3.32	<b>3.32</b>

### Student Satisfaction with Educational Experience

Seniors evaluate their UMA educational experience quite positively in the National Survey of Student Engagement (NSSE). In 2014, almost 90% of students rated their experience as good or excellent. These rates were comparable with other Carnegie RUVH schools. The proportion of students who rated the experience as excellent has shown strong gains since 2005, increasing from 28% in 2005 to 42% in 2014. The next administration of NSSE will be in 2017.



## Student-Faculty Ratio

The student-faculty ratio has been slowly trending downward in recent years. Since 2010 the ratio has improved from 19:1 to 17:1 in 2014.

<i>Student-Faculty Ratio</i>	2010	2011	2012	2013	2014
<i>UMA</i>	19:1	18:1	18:1	18:1	<b>17:1</b>

## Technology-Enhanced Classrooms

### Basic classroom technology:

All 288 classrooms scheduled by the UMA campus registrar, IT, and Isenberg School of Management have projectors and media players available.

### Medium classroom technology:

In addition to Basic technology, more than three-quarters of classrooms at UMA have a digital projector (or large screen), HDMI & VGA connections for laptop projection, audio connection and room speakers. 205 of these rooms are considered to be Medium Plus and also include a blu-ray player, wireless microphone and AV control cabinet.

### High classroom technology:

In addition to Medium and Medium Plus technology, nearly a third of UMA teaching spaces are equipped with technology to record lectures. These rooms include lecture capture (Echo360), 1-2 motion-tracking cameras (for speaker & students), and audience microphones (portable or installed). Twenty-one of these rooms are considered to be High Plus and also include a point-to-point video conferencing unit and large screen monitors.

### Very High classroom technology:

Team-based classrooms include the features of High technology rooms, an instructor podium with document camera, touchscreen AV controls and the following technology at each table of nine students: 3 laptops, 1 large screen, 3 built-in microphones with “talk” button, AV connections for student laptops, and 1 whiteboard camera and microphone.

Computer Classrooms contain 20-39 seats with desktop computers (Mac & Windows) and an instructor desktop with projector connection.

<i>Technology-Enhanced Classrooms</i>	<i>AY 2013-2014</i>	
	<i>No of Classrooms</i>	<i>Percent of Total</i>
Basic	288	100%
Medium	226	78%
High	90	31%
Very High	16	6%
<b><i>Total Classrooms Teaching Spaces</i></b>	<b>288</b>	<b>100%</b>

## Doctoral Degrees Awarded

The number of doctorates awarded at UMA, both research scholarship and professional practice degrees, decreased in 2013-14, after an unusually high number of degrees awarded the previous year. Professional practice doctorates have decreased for the first time since the campus began reporting this award. UMA remains well below the peer median on the research/scholarship measure.

<i>UMA Doctoral Degrees Awarded</i>	2009-10	2010-11	2011-12	2012-13	2013-14
<i>Research/Scholarship Doctorates</i>	259	258	268	295	<b>287</b>
<i>Professional Practice Doctorates</i>	22	24	37	39	<b>19</b>
<b><i>Total Doctoral Degrees Awarded</i></b>	<b>281</b>	<b>282</b>	<b>305</b>	<b>334</b>	<b>306</b>
<i>Research/Scholarship Doctorates</i>	2009-10	2010-11	2011-12	2012-13	2013-14
<i>UMA</i>	259	258	268	295	<b>287</b>
<i>Peer Median</i>	301	359	345	363	<b>354</b>
<i>Rank</i>	9	9	8	9	<b>9</b>

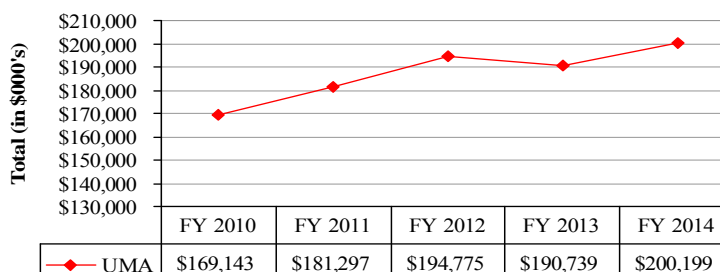
### Postdoctoral Appointees

UMass Amherst senior faculty mentor recent PhDs with science and engineering degrees. The number of post-doctoral scholars dropped in the past few years, and continues its slide. This can be explained in part by the 2012 implementation of the campus's first postdoc union contract. The negotiated stipend increases and benefits resulted in some postdoc layoffs, non-reappointments, and, for some PIs, a decrease in the number of new hires.

<i>Postdoctoral Appointees</i>	2009-10	2010-11	2011-12	2012-13	2013-14
<i>UMA</i>	209	215	209	165	<b>166</b>
<i>Peer Median</i>	167	196	177	233	<b>NA</b>
<i>Rank</i>	5	6	5	7	<b>NA</b>

### Total Research & Development (R&D) Expenditures

Total R&D spending for the campus in FY 2014 was about \$200 million, of which over \$183 million was in science and engineering (S&E). S&E spending has increased 11% in total dollars and 13% in federal dollars since FY 2010.



<i>Total R&amp;D Expenditures (\$000's)</i>	2010	2011	2012	2013	2014
<i>S&amp;E UMA</i>	\$164,854	\$176,545	\$178,207	\$172,217	<b>\$183,210</b>
<i>S&amp;E Peer Median</i>	\$209,899	\$232,565	NA	NA	NA
<i>Rank</i>	7	8	NA	NA	NA

<i>Federal R&amp;D Expenditures (\$000's)</i>	2010	2011	2012	2013	2014
<i>UMA</i>	\$97,937	\$107,683	\$115,280	\$111,448	<b>\$110,189</b>
<i>S&amp;E UMA</i>	\$88,860	\$101,940	\$106,470	\$103,233	<b>\$102,682</b>
<i>S&amp;E Peer Median</i>	\$114,136	\$128,714	NA	NA	NA
<i>Rank</i>	9	9	NA	NA	NA

### Total R&D Expenditures Rankings

Over the past five years, UMA has remained stable for overall R&D expenditure rankings and in relation to our peers.

<i>Total R&amp;D Expenditures Rank</i>	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013
<i>Overall Ranking</i>	105	105	107	104	<b>105</b>
<i>Ranking based on Carnegie Peers</i>	9	9	9	8	<b>9</b>

*n.b.* Ranking based on Carnegie Peers is further standardized by US Publics and Non-Medical Schools.

### Total R&D Expenditures per Tenure System Faculty

The total R&D expenditures dollars per faculty increased by 1% between FY 2010 and FY 2014. Federal dollars per faculty increased by 7% during the same period.

<i>Total R&amp;D Per Tenure System Faculty</i>	<i>2010</i>	<i>2011</i>	<i>2012</i>	<i>2013</i>	<i>2014</i>
<i>Total</i>	\$168,805	\$173,253	\$172,681	\$163,239	<b>\$170,270</b>
<i>Federal</i>	\$89,235	\$105,675	\$103,169	\$97,851	<b>\$95,429</b>

### Patent Applications

In FY 2014, UMass Amherst filed 1 patent application for every \$5 million in research expenditures.

<i>Patent Applications</i>	<i>FY 2010</i>	<i>FY 2011</i>	<i>FY 2012</i>	<i>FY 2013</i>	<i>FY 2014</i>
	28	29	26	32	<b>40</b>

### License Income

After two years of gains, license income has dipped back down to about \$750K. (Note: FY 2010 licensing income included a large one-time payment for a paid-up license).

<i>License Income</i>	<i>FY 2010</i>	<i>FY 2011</i>	<i>FY 2012</i>	<i>FY 2013</i>	<i>FY 2014</i>
	\$2,353,519	\$513,500	\$952,738	\$1,200,000	<b>\$753,000</b>

### Percent Tenured/Tenure-Track Faculty

The percent of tenured/tenure-track faculty (full-time and part-time) has been steadily decreasing over the past five years. This is explained by the steady expansion of the non-tenure stream faculty at UMA.

<i>Percent Tenured/Tenure-track Faculty</i>	<i>Fall 2010</i>	<i>Fall 2011</i>	<i>Fall 2012</i>	<i>Fall 2013</i>	<i>Fall 2014</i>
<i>% Tenured/Tenure-track</i>	77.2%	76.3%	76.3%	76.1%	74.3%
<i>% Non Tenure-track/PT</i>	22.8%	23.7%	23.7%	23.9%	25.7%

### New Tenured/Tenure-Track Faculty Hired

The campus has made significant investments in tenure system faculty hires in recent years. There were 68 such hires in FY 2014. The campus remains committed to supporting the strongest faculty possible and increasing the number of tenure-system faculty.

<i>New Tenured/Tenure-Track Faculty Hired</i>	<i>AY 2010-11</i>	<i>AY 2011-12</i>	<i>AY 2012-13</i>	<i>AY 2013-14</i>	<i>AY 2014-15</i>
	34	59	55	60	<b>68</b>

### New Tenured/Tenure-Track Faculty Hired as Percent of All Tenured/Tenure-Track Faculty

Over the past several years the new hires have hovered around 6% of the total T/TT faculty. When compared to Fall 2010, the Fall 2014 number of new hires doubled, while the total count only experienced a 7% percent change.

<i>New T/TT Faculty as Percent of Total</i>	<i>Fall 2010</i>	<i>Fall 2011</i>	<i>Fall 2012</i>	<i>Fall 2013</i>	<i>Fall 2014</i>
<i>Total T/TT Faculty</i>	978	993	1,009	1,026	<b>1,047</b>
<i>Total New Hires</i>	34	59	55	60	<b>68</b>
<i>Percent of Total</i>	3%	6%	5%	6%	<b>6%</b>

### Change in Tenured/Tenure-Track Faculty

Fall 2014 saw a one-year increase of 21 in the tenure-system faculty, and an increase of 69 since Fall 2010. Investment in faculty is required to maintain the campus as a nationally competitive public research university.

<i>Change in T/TT Faculty</i>	<i>Fall 2010</i>	<i>Fall 2011</i>	<i>Fall 2012</i>	<i>Fall 2013</i>	<i>Fall 2014</i>
	978	993	1,009	1,026	<b>1,047</b>

### Change in Faculty FTE

Faculty full-time equivalent (both full and part-time) showed a one-year increase of 60 and has grown by 142 since Fall 2010. About three-fifths of the growth has been accounted for by tenure system faculty.

<i>Change in Faculty FTE</i>	<i>Fall 2010</i>	<i>Fall 2011</i>	<i>Fall 2012</i>	<i>Fall 2013</i>	<i>Fall 2014</i>
	1,264	1,300	1,320	1,346	<b>1,406</b>

### Faculty by Race and Gender

The number and percent of both faculty of color and women faculty have been steadily increasing. The number of faculty of color has shown a 20% increase since fall 2010, and now comprises over one-fifth of all faculty. The number of women faculty has increased by 21% in the last five years.

<b>Full-Time Instructional Faculty</b>					
<i>Faculty Of Color</i>	<i>Fall 2010</i>	<i>Fall 2011</i>	<i>Fall 2012</i>	<i>Fall 2013</i>	<i>Fall 2014</i>
<i>Number</i>	209	222	225	233	<b>251</b>
<i>Percent</i>	19.2%	19.5%	19.8%	20.1%	<b>21.1%</b>
<i>Women Faculty</i>	<i>Fall 2010</i>	<i>Fall 2011</i>	<i>Fall 2012</i>	<i>Fall 2013</i>	<i>Fall 2014</i>
<i>Number</i>	456	487	507	527	<b>552</b>
<i>Percent</i>	38.9%	39.9%	41.1%	41.8%	<b>42.6%</b>

*n.b. Faculty-of-Color based on US Citizens/Permanent Residents reporting Race/Ethnicity according to new IPEDS definitions.  
Does not include Unknowns and Non Resident Aliens.*

### Faculty Awards

UMass Amherst faculty members are recipients of many prominent awards in the arts, humanities, science, engineering and health fields. The number of awards remained stable in 2013, but the UMA rank remains near the bottom of the peer group. Another source, *Academic Analytics*, which defines awards more broadly shows that the number of awards has increased steadily from 239 in FY 2010 to 345 in FY 2014.

<i>Faculty Awards</i>	<i>2009</i>	<i>2010</i>	<i>2011</i>	<i>2012</i>	<i>2013</i>
	12	8	6	8	<b>8</b>
<i>Peer Median</i>	14	13	11	11	<b>N/A</b>
<i>Rank</i>	6	8	8	9	<b>N/A</b>

### National Academy Members

Several UMass faculty members have been elected to some of the most prestigious disciplinary organizations: the National Academy of Science, the National Academy of Engineering, and the Institute of Medicine. These are some of the highest honors academic faculty can receive. This number remained stable in 2013. The campus ranks below its peers on this measure. The absence of a medical school limits the ability of UMA faculty to be elected to the IOM.

<i>National Academy Members</i>	2009	2010	2011	2012	2013
	9	9	9	8	<b>8</b>
<i>Peer Median</i>	11	11	11	12	<b>12</b>
<i>Rank</i>	7	7	7	8	<b>7</b>

## ACCESS AND AFFORDABILITY

### Percent (In-State) Pell Grant Recipients

The proportion of full-time, in-state students receiving Pell Grants dipped in Fall 2012 to 28% and has stayed there for Fall 2013. The campus has significantly increased its need-based institutional grant aid to support students from families with the lowest income. This rate is competitive with other flagship campuses.

<i>Percent (In-State) Pell Grant Recipients</i>	Fall 2009	Fall 2010	Fall 2011	Fall 2012	Fall 2013
	28%	31%	31%	28%	<b>28%</b>

### Percent Need Met for In-State Students Awarded Need-Based Aid

The campus remains committed to providing need-based aid for in-state undergraduates as it strives to provide a quality and affordable education.

<i>Percent Need Met (In-State)</i>	2009-10	2010-11	2011-12	2012-13	2013-14
	91%	87%	86%	84%	<b>82%</b>

### Student Debt Load of Graduating Class

The percentage of students graduating from UMA with debt is gradually trending upward. Since 2010, there has been an increase of 4% of the graduating class that has a debt load and the average debt load has increased by almost 20%.

	2010	2011	2012	2013	2014
<i>Average Debt Load</i>	\$25,420	\$26,893	\$27,945	\$28,999	<b>\$30,453</b>
<i>Percent Graduating Class with Debt</i>	68%	69%	71%	70%	<b>72%</b>

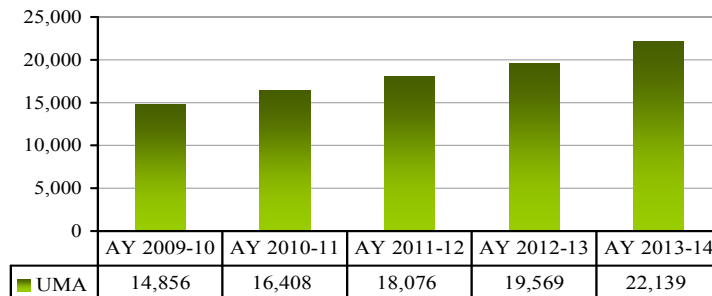
### Percent Undergraduates from Massachusetts

The campus is committed to maintaining access to a quality education for residents of the Commonwealth. Over three-fourths of UMass Amherst students enrolled in state-supported programs are residents of the state. The percent has declined in recent years as the campus strives to increase enrollment of out-of-state and international students.

<i>Percent Undergraduates from Massachusetts</i>	<i>Fall 2010</i>	<i>Fall 2011</i>	<i>Fall 2012</i>	<i>Fall 2013</i>	<i>Fall 2014</i>
<i>Number</i>	16,046	16,211	16,090	15,999	<b>16,016</b>
<i>Percent</i>	80%	79%	78%	77%	<b>77%</b>

### Online Course Enrollments

The Amherst campus offers eight undergraduate, eight graduate degrees and five certificate programs that can be completed partially or fully online. These programs range from certificates in Sustainable Business Practice to a B.S. in Hospitality and Tourism Management, a Master's in Business Administration and a Doctorate in Nursing Practice. In addition, a variety of other courses are offered. Online course enrollments grew by 13% in the most recent year, and 49% since AY 2009-10.



### Annual Growth in Online Course Enrollments

There has been considerable growth in online course enrollment on the Amherst campus in recent years. Enrollments have almost doubled since 2007-08. Online programs afford students flexibility in course-taking.

<i>Annual Growth in Online Course Enrollments</i>	<i>AY 2009-10</i>	<i>AY 2010-11</i>	<i>AY 2011-12</i>	<i>AY 2012-13</i>	<i>AY 2013-14</i>
	10%	10%	10%	8%	<b>13%</b>

## STUDENT SUCCESS AND SATISFACTION

### Percent Undergraduates who are Students of Color

The Amherst campus is committed to enrolling a diverse student body. This is evidenced by the growth in the proportion of undergraduates (including CPE) who are students of color. Undergraduates enrolled in the past year were the most diverse group of students in recent history.

<i>Percent UGs Students of Color</i>	<i>Fall 2010</i>	<i>Fall 2011</i>	<i>Fall 2012</i>	<i>Fall 2013</i>	<i>Fall 2014</i>
<i>Number</i>	3,924	3,943	3,960	4,117	<b>4,332</b>
<i>Percent</i>	20.9%	20.9%	21.0%	21.9%	<b>22.4%</b>



### Percent Undergraduates who are First Generation in College

Although most entering students have parents who are college-educated, many UMass Amherst students will be the first in their families to earn the baccalaureate. About one-fourth of entering first-year students are first generation according to information reported on the Common Application.

<i>Percent UGs First Generation in College</i>	<i>Fall 2010</i>	<i>Fall 2011</i>	<i>Fall 2012</i>	<i>Fall 2013</i>	<i>Fall 2014</i>
<i>Percent</i>	27%	29%	27%	25%	<b>25%</b>

### Percent Undergraduates with English as a Second Language

English is not the first language of about 11% of first-year students entering UMass Amherst. This is another indicator of the diversity of the campus.

<i>Percent UGs ESL</i>	<i>Fall 2010</i>	<i>Fall 2011</i>	<i>Fall 2012</i>	<i>Fall 2013</i>	<i>Fall 2014</i>
<i>Percent</i>	9%	10%	10%	12%	<b>11%</b>

### Percent Undergraduate Students who are International

The Amherst campus attracts a small number of undergraduate international students, some of whom are studying on the campus as part of an international exchange program. The numbers have more than doubled since Fall 2010 as the campus has increased its recruitment of international students. In contrast, almost one-fourth (1,546) of graduate students are international.

<i>Percent UGs International</i>	<i>Fall 2010</i>	<i>Fall 2011</i>	<i>Fall 2012</i>	<i>Fall 2013</i>	<i>Fall 2014</i>
<i>Number</i>	304	378	421	537	<b>681</b>
<i>Percent</i>	1%	2%	2%	2%	<b>3%</b>

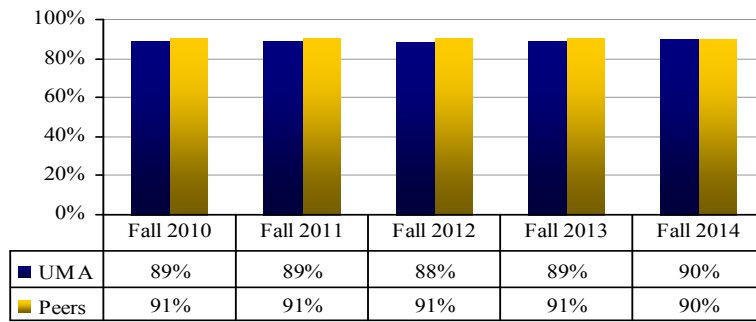
### Total Number of Students who Participated in a Study Abroad Program

1,194 UMass students participated in a study abroad experience during the 2013-14 academic year. The campus encourages students to take advantage of these enriching global learning opportunities.

<i>Total Number of Students who participated in Study Abroad</i>	<i>Fall 2009-Summer 10</i>	<i>Fall 2010-Summer 11</i>	<i>Fall 2011-Summer 12</i>	<i>Fall 2012-Summer 13</i>	<i>Fall 2013-Summer 14</i>
	1,023	1,143	1,074	1,128	<b>1,194</b>

### Freshmen One-Year Retention Rate

The one-year retention rate has been consistently high, and the relative position of UMass with respect to its peers in Fall 2014 improved by two positions. New strategies are being developed and implemented to improve the first-year experience and hence student retention.



<i>Freshmen One-Year Retention Rate Peer Rank</i>	<i>Fall 2010</i>	<i>Fall 2011</i>	<i>Fall 2012</i>	<i>Fall 2013</i>	<i>Fall 2014</i>
	7	7	7	8	6

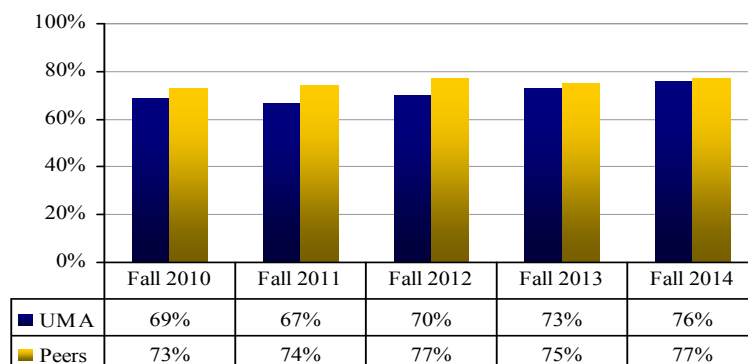
### Four -Year Graduation Rates

The four-year graduation rate continues to improve every year at UMA. In fact, the 2014 rate is 12.4 percentage points higher than the 2010 rate of 54.2%. Currently two-thirds of entering first-time first-year students are graduating in four years or less.

<i>4-Yr Graduation Rates</i>	<i>2010</i>	<i>2011</i>	<i>2012</i>	<i>2013</i>	<i>2014</i>
<i>Cohort Entering Year</i>	(2006)	(2007)	(2008)	(2009)	(2010)
<i>4-Year Graduation Rate</i>	54%	59%	63%	66%	<b>67%</b>

### Freshmen Six-Year Graduation Rate

Seventy-six percent of full-time Amherst campus students graduate within six years of entrance, and another 10% receive their degree from another institution. This is the third consecutive year in which the rate has exceeded 70% since the campus began tracking graduation rates beginning with the Fall 1984 entering cohort (64%). The 2014 rate remains just slightly below the peer median; but improvements in the four-year graduation rates (67% for the 2010 cohort) suggest that the 6-year rates will continue to improve. Numbers reflect rates for the Fall 2004-Fall 2008 entering cohorts. The campus implemented a Student Success Collaborative in partnership with the Educational Advisory Board in AY 2014-15. This is a predictive analytics advising platform that will enhance our ability to understand and improve student advising, retention and degree completion.



<i>Freshmen Six-Year Graduation Rate</i>	<i>Fall 2010</i>	<i>Fall 2011</i>	<i>Fall 2012</i>	<i>Fall 2013</i>	<i>Fall 2014</i>
	8	9	8	6	6

### Transfers (Full-Time) One-Year Retention Rate

The one-year retention rate for transfers has remained steady at 86%. This includes a small number of students who graduate in one year. Transfer students represent approximately one-fifth of the entering fall class.

<i>Transfers (Full-time) One-Year Retention Rate</i>	<i>Fall 2010</i>	<i>Fall 2011</i>	<i>Fall 2012</i>	<i>Fall 2013</i>	<i>Fall 2014</i>
	86%	86%	86%	86%	<b>86%</b>

### Transfers (Upper Division) Four-Year Graduation Rate

Approximately three quarters of upper division transfers who enroll complete the baccalaureate degree within four years of entry. Many have already earned an Associate's degree. This matches the freshman six-year graduation rate. Upper Division transfers represent less than half of total transfer students. The rate has remained fairly stable over time. Numbers are reported for the Fall 2006-2010 cohorts.

<i>Transfers (Upper Division) Four-Year Graduation Rate</i>	<i>Fall 2010</i>	<i>Fall 2011</i>	<i>Fall 2012</i>	<i>Fall 2013</i>	<i>Fall 2014</i>
	73%	74%	74%	74%	<b>76%</b>

### Student Achievement Measure (SAM Data - Bachelor's Seeking Model)

The Student Achievement Measure tracks entering first-time first-year students, by cohort, throughout their college careers. After 4 years, 68% graduated from UMA or another institution, 18% were still enrolled at UMA, and 9% were enrolled at another institution. This means that 95% of the entering cohort either earned a degree or were still actively seeking one. After 6 years, 86% earned a degree and an additional 5% were still working toward one.

<b>FIRST-TIME FULL-TIME FRESHMEN</b>						
<i>Number of Students in Cohort: 4,131</i>			<b>GRADUATED</b>			
<i>Outcomes for Student Starting at UMass Amherst in Fall 2008 by Summer 2014</i>	<i>2008-09</i>	<i>2009-10</i>	<i>2010-11</i>	<i>WITHIN 4 YRS.</i>	<i>WITHIN 5 YRS.</i>	<i>WITHIN 6 YRS.</i>
<i>Bachelor's degree from UMass Amherst</i>	0%	0%	1%	63%	74%	<b>76%</b>
<i>Associate degree from UMass Amherst</i>	0%	0%	0%	0%	0%	<b>0%</b>
<b><i>Total Graduated from UMass Amherst</i></b>	<b>0%</b>	<b>0%</b>	<b>1%</b>	<b>63%</b>	<b>74%</b>	<b>76%</b>
<i>Bachelor's degree from another Institution</i>	0%	0%	0%	4%	7%	<b>9%</b>
<i>Associate degree from another Institution</i>	0%	0%	0%	1%	1%	<b>1%</b>
<b><i>Total Graduated from another Institution</i></b>	<b>0%</b>	<b>0%</b>	<b>0%</b>	<b>5%</b>	<b>8%</b>	<b>10%</b>
<b><i>Enrolled at UMass Amherst</i></b>	<b>98%</b>	<b>88%</b>	<b>81%</b>	<b>18%</b>	<b>4%</b>	<b>1%</b>
<i>Enrolled at Another 4-yr Institution</i>	0%	7%	10%	7%	4%	<b>3%</b>
<i>Enrolled at Another 2-yr Institution</i>	0%	3%	3%	2%	2%	<b>1%</b>
<b><i>Total Transferred and Enrolled at another Institution</i></b>	<b>1%</b>	<b>10%</b>	<b>13%</b>	<b>9%</b>	<b>6%</b>	<b>4%</b>
<b><i>Current Status Unknown</i></b>	<b>1%</b>	<b>2%</b>	<b>5%</b>	<b>5%</b>	<b>8%</b>	<b>9%</b>

### Alumni Participation Rate

The alumni participation rate is slowly declining for UMA. Since 2010 there has been a full 2% decline in the percent of alumni giving to the university.

<i>Alumni Participation Rate</i>	<i>2010</i>	<i>2011</i>	<i>2012</i>	<i>2013</i>	<i>2014</i>
	12%	11%	11%	10%	10%

### SERVICE TO THE COMMONWEALTH

#### Incoming Class Composition

The split between freshman and transfers in the incoming class remains stable at 80% freshman and 20% transfers. Despite slight fluctuations in 2011 and 2012, the composition is the same this year as it was in Fall 2010.

<i>Incoming Class Composition</i>	<i>Fall 2010</i>	<i>Fall 2011</i>	<i>Fall 2012</i>	<i>Fall 2013</i>	<i>Fall 2014</i>
<i>Total Incoming Class</i>	5,597	5,815	5,628	5,773	<b>5,800</b>
<i>Entering Freshmen</i>	4,469	4,688	4,592	4,621	<b>4,642</b>
<i>Percent Entering Freshmen</i>	80%	81%	82%	80%	<b>80%</b>
<i>Transfers</i>	1,128	1,127	1,036	1,152	<b>1,158</b>
<i>Percent Transfers</i>	20%	19%	18%	20%	<b>20%</b>

*n.b. State-supported only.*

#### Degree Completions

The total number of degrees continues to increase every year. The largest gains are at the bachelor's and master's levels. There has been more fluctuation in the number of doctoral degrees, but they have grown by 9% since 2009-10.

<i>Degree Completions</i>	<i>2009-10</i>	<i>2010-11</i>	<i>2011-12</i>	<i>2012-13</i>	<i>2013-14</i>
<i>Bachelor's degrees</i>	4,851	5,036	5,203	5,363	<b>5,674</b>
<i>Masters degrees</i>	1,221	1,361	1,334	1,362	<b>1,409</b>
<i>Doctoral degrees</i>	281	282	305	334	<b>306</b>
<i>Res./Sch. Doctorates</i>	256	258	268	295	<b>287</b>
<i>Professional Practice</i>	25	24	37	39	<b>19</b>
<i>Total Degrees</i>	6,353	6,679	6,842	7,059	<b>7,389</b>

#### Percent Alumni Who Live in Massachusetts

Over half of the undergraduate students who earned a degree from UMA, and about two-fifths of the recipients of the master's and doctorate degrees reside in Massachusetts. The overall proportion increased to 54% in 2013 and stayed steady for 2014, but it is too soon to determine if this is an upward trend.

<i>Percent Alumni Who Live in MA</i>	<i>Fall 2010</i>	<i>Fall 2011</i>	<i>Fall 2012</i>	<i>Fall 2013</i>	<i>Fall 2014</i>
<i>Undergraduate</i>	56%	56%	54%	57%	<b>57%</b>
<i>Graduate</i>	41%	41%	39%	41%	<b>42%</b>
<i>All</i>	53%	53%	51%	54%	<b>54%</b>

## Enrollment in STEM Programs

There are several initiatives on the Amherst campus to promote the enrollment and graduation of students in science, technology, engineering and mathematics (STEM) fields. Another goal is to increase the enrollment and persistence of underrepresented minorities in STEM. There has been an upward trend in the number and percent of undergraduates in STEM programs. Presently, 36% of undergraduate and 29% of graduate students are enrolled in such programs.

### Undergraduate

	Fall 2010	Fall 2011	Fall 2012	Fall 2013	Fall 2014
<i>Total</i>	20,791	21,265	21,448	21,672	<b>21,864</b>
<i>STEM</i>	6,062	6,588	7,070	7,429	<b>7,775</b>
<i>Percent STEM</i>	29%	31%	33%	34%	<b>36%</b>

### Graduate

	Fall 2010	Fall 2011	Fall 2012	Fall 2013	Fall 2014
<i>Total</i>	5,677	5,770	5,792	5,848	<b>5,808</b>
<i>STEM</i>	1,601	1,677	1,729	1,749	<b>1,702</b>
<i>Percent STEM</i>	28%	29%	30%	30%	<b>29%</b>

### Total Enrollment

	Fall 2010	Fall 2011	Fall 2012	Fall 2013	Fall 2014
<i>STEM</i>	7,663	8,265	8,799	9,178	<b>9,477</b>
<i>Percent STEM</i>	29%	31%	32%	33%	<b>34%</b>

## Degrees and Certificates Awarded in STEM Fields

The upward trend in STEM enrollment has been mirrored in the number of degrees and certificates awarded. Over one fourth of the almost 5,700 undergraduate degree recipients and 1,700 graduate degree recipients are awarded degrees in STEM fields. The number of students pursuing STEM certificates has leveled off in the area of 280, up from 181 in 2009-10.

### Undergraduate Degrees

	2009-10	2010-11	2011-12	2012-13	2013-14
<i>Total Degrees</i>	4,851	5,036	5,203	5,363	<b>5,674</b>
<i>STEM</i>	1,119	1,162	1,387	1,436	<b>1,631</b>
<i>Percent STEM</i>	23%	23%	27%	27%	<b>29%</b>

### Graduate Degrees

	2009-10	2010-11	2011-12	2012-13	2013-14
<i>Total Degrees</i>	1,502	1,643	1,639	1,696	<b>1,715</b>
<i>STEM</i>	361	380	437	448	<b>487</b>
<i>Percent STEM</i>	24%	23%	27%	26%	<b>28%</b>

### All Degrees

	2009-10	2010-11	2011-12	2012-13	2013-14
<i>STEM</i>	1,480	1,542	1,824	1,884	<b>2,118</b>
<i>Percent STEM</i>	23%	23%	27%	27%	<b>29%</b>

### Certificates

	2009-10	2010-11	2011-12	2012-13	2013-14
<i>Total Certificates</i>	181	234	311	283	<b>280</b>
<i>STEM</i>	1	12	33	46	<b>36</b>
<i>Percent STEM</i>	1%	5%	11%	16%	<b>13%</b>

### Degrees and Certificates Awarded in Healthcare Fields

The total number of health care degrees has shown a 45% increase since 2009-10. The bulk of this has come at the bachelor's level due to the new Public Health Sciences program that started being offered in fall 2007. There has been fluctuation, but no sustained increase at the graduate level. UMA started offering a certificate program in Nursing Education in Fall 2014.

<i>Health Care Degrees and Certificates</i>	2009-10	2010-11	2011-12	2012-13	2013-14
<i>Bachelor's degrees</i>	256	290	252	355	<b>420</b>
<i>Masters degrees</i>	124	129	116	159	<b>145</b>
<i>Doctoral degrees</i>	25	31	48	44	22
<i>Res./Sch. Doctorates</i>	3	7	11	5	<b>3</b>
<i>Professional Practice</i>	22	24	37	39	<b>19</b>
<b>Total Degrees</b>	<b>405</b>	<b>450</b>	<b>416</b>	<b>558</b>	<b>587</b>

<i>Total Certificates</i>	0	0	0	0	0
---------------------------	---	---	---	---	---

## FINANCIAL HEALTH

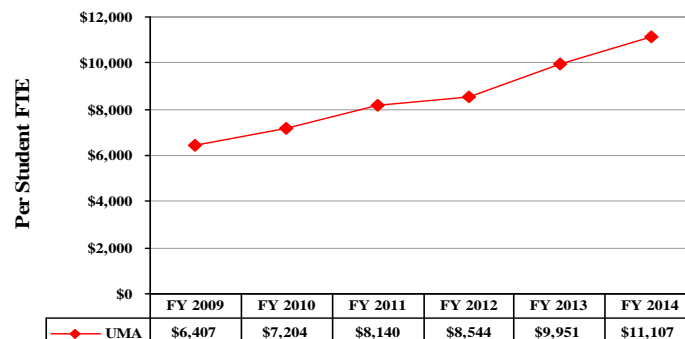
### Endowment Assets and Annual Growth in Endowment

The campus endowment is one of the lowest in the country for a public flagship campus. In FY 2014 the endowment increased due to gifts and better investment performance. The campus is in the midst of a fundraising campaign that has raised over \$310 million and expects to see growth in the endowment from increased gifts.

<i>Endowment Assets and Growth in Endowment</i>	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014
<i>Total Endowment</i>	\$181.6M	\$210.1M	\$230.6M	\$272.1M	<b>\$307.1M</b>
<i>Annual Growth</i>	12%	16%	10%	18%	<b>13%</b>

### Endowment per Annualized Student FTE

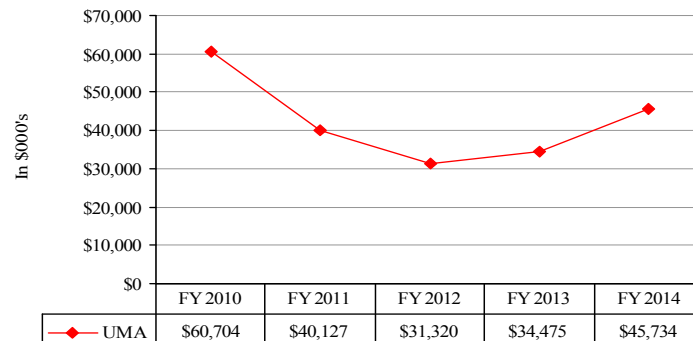
The campus endowment is one of the lowest in the country for a public flagship campus. The campus average per student continues to increase as the market value outpaces student FTE growth.



<i>Endowment per Annualized Student FTE</i>	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014
<i>Peers</i>	\$10,840	\$12,309	\$14,226	\$13,548	N/A

### Private Funds Raised Annually

The impact of the “UMass Rising: Campaign for UMass Amherst” is reflected starting in FY2010 punctuated with eight-figure gift commitments in FY 2010, FY 2011, and FY2014. Annual fluctuations can be expected through the course of the campaign when such large non-repeating gifts are received. Significant estate commitments are being solicited and received during the campaign period and are not reflected in this report.



### Primary Reserve

Primary reserve, or financial cushion, represents an institution's capacity to sustain itself during difficult financial times. Although lower than its peers, the ratio for the Amherst campus still compares favorably. The primary reserve will decline over the next several years as accumulated unrestricted funds designated for capital improvements are spent on these projects and the net asset converts to Net Investment in Plant.

Primary Reserve	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014
UMA	25.9%	24.1%	24.8%	26.7%	<b>27.9%</b>
Peers	27.2%	31.2%	31.2%	29.7%	N/A

### Debt Service to Operations

The debt service ratio for the campus has grown as the campus continues its investment in infrastructure improvements. This ratio will approach 8% over the next five years as the campus invests in new classroom space and science laboratories.

Debt Service to Operation	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014
UMA	5.8%	5.7%	5.5%	6.1%	<b>6.2%</b>
Peers	5.7%	5.8%	6.0%	5.5%	N/A

### Deferred Maintenance per GSF

This ratio tracks the progress the campus anticipates making in reducing its deferred maintenance backlog over the next few years. It is based on currently identified projects in the capital plan with \$270 million of spending included in the five year projection for infrastructure improvements.

Deferred Maintenance per GSF	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014
UMA	\$149	\$164	\$162	\$151	<b>\$143</b>

## DEFINITIONS AND SOURCES

---

### ACADEMIC QUALITY INDICATORS

**Average High School GPA of Freshmen.** Cumulative GPA for college prep courses with additional weight to honor and AP courses, according to BHE admissions policy, reported on all first-year students.

**Average SAT Scores of Freshmen.** Average SAT Scores of freshmen are based on the Arithmetic Mean. The 25<sup>th</sup> & 75<sup>th</sup> percentiles are based on combined SAT scores of all first-year students. Peer data are from IPEDS.

**Average GPA of Entering Transfer Students.** Cumulative GPA for college-level courses transferred to UMass Amherst according to admissions policy.

**Student-Faculty Ratio.** The ratio of FTE students to FTE instructional faculty. Faculty and students in stand-alone graduate or professional programs such as medicine, law, veterinary, dentistry, social work, business, and public health in which faculty teach virtually only graduate-level students are excluded. Teaching assistants are not counted as faculty. Data and definition are from CDS.

**Student Satisfaction with Educational Experience.** Percent of seniors who responded “good” or “excellent” to the question, “How would you evaluate your entire educational experience at this institution?” on the National Survey of Student Engagement.

**Technology-Enhanced Classrooms.** Classification of the campus’s total classroom capacity in terms of the level of technology-support. Categories of classification are campus-specific.

**Doctoral Degrees Awarded.** Number of Doctorates awarded each academic year, which includes September, February, and May award dates (e.g. AY 2013-14 includes Sept. 2013, February and May 2014). These include both Research/Scholarship and Professional Practice Doctorates. Peer comparison data are based on Research/Scholarship doctorates only.

**Postdoctoral Appointees.** The number of postdoctoral appointees as reported to NSF.

**Total R&D Expenditures.** R&D expenditures in all academic fields, from all sources (federal, state, local governments, industry, private and institutional) as reported to NSF. Peer data reported in The Top American Research Universities. Beginning 2010 data are from NSF. Peer comparison data are based on S&E R&D.

**Federal R&D Expenditures.** R&D expenditures in all academic fields from all federal sources, as reported to NSF.

**Total R&D Expenditures Ranking.** Annual NSF ranking of Total R&D expenditures, for all postsecondary institutions participating in the NSF HERD Survey. Data source NCES WebCaspar/NSF HERD data tables.

**Total R&D Expenditures Ranking Among Carnegie Peers, US Publics, Non-Medical Institutions.** UMass Amherst’s rank in the annual NSF ranking of Total R&D expenditures among public institutions of higher education with a Carnegie classification of “Research University/Very High” and with no medical school. Data source NCES WebCaspar/NSF HERD data tables. Ranking computed by campus.

**Total Research Expenditures per Tenure System Faculty.** R&D expenditures in all academic fields from all sources (federal, state, local governments, industry, private and institutional) as reported to NSF, divided by total tenure system faculty as reported to IPEDS. Peer data reported in The Top American Research Universities. Beginning in 2010, data reported by NSF.

**Patent Applications.** Number of U.S. Patent applications filed per year. Data Source: Data reported by campuses to UMass President’s Office, Office of CVIP.

**License Income.** Amount of annual income from license agreements. Data Source: Data reported by campuses to UMass President’s Office, Office of CVIP.

**Percent Tenured/Tenure-Track Faculty.** Percent based on the ratio of Tenured/Tenure-Track Faculty FTE to Total Faculty FTE.

**New Tenured/Tenure-Track Faculty Hired.** The number of new tenured/tenure-track faculty members hired to start their new positions in the academic year.

**New Tenured/Tenure-Track Faculty Hired as Percent of Total Tenured/Tenure-Track Faculty.** Definition of 'New' Hires per IPEDS Definitions. Number of 'Newly hired' Tenured/Tenure-track faculty divided by Total Tenured/Tenure-track Faculty of an IPEDS reporting cycle.

**Change in Tenured/Tenure-Track Faculty.** The difference in the number of tenured/tenure-track faculty from one Fall semester to the next. Includes faculty members who are on paid leave. Does not include individuals whose primary responsibility is administrative. For the 2015 PMS report, the difference will be between the figure for Fall 2014 and Fall 2013.

**Change in Faculty FTE.** The difference in the total FTE, from one Fall semester to the next, for all full-time and



part-time instructional faculty teaching state-supported courses. Includes faculty members who are on paid leave. Does not include individuals whose primary responsibility is administrative. For the 2015 PMS report, the difference will be between the figure for Fall 2014 and Fall 2013. Definition of Faculty FTE is per the Common Data Set, and includes all faculty teaching credit courses, including credit courses offered via Continuing Education.

**Percent Faculty-of-Color (based on Full-time Instructional Faculty).** The proportion of full-time instructional faculty who are U.S. citizens or permanent residents and report their race/ethnicity to be one or more of the following: Hispanic/Latino, American Indian or Alaska Native, Asian, Black or African-American, Native Hawaiian or Other Pacific Islander, or Two or More Races. Race/ethnicity definition is based on IPEDS.

**Percent Women Faculty (based on Full-time Instructional Faculty).** The proportion of full-time instructional faculty who identify themselves as female.

**Faculty Awards.** Number of faculty with awards from a list of 24 prominent grant and fellowship programs in the arts, humanities, science, engineering and health fields (e.g., Fulbright American Scholars, Guggenheim Fellows, MacArthur Foundation Fellows, National Endowment for the Humanities Fellows, NSF Career Awards, Sloan Research Fellows). Data reported in The Top American Research Universities and were obtained from directories or web based listings.

**National Academy Members.** Number of faculty with active or emeritus status who have been elected to membership in the National Academy of Sciences, the National Academy of Engineering, or the Institute of Medicine. Data reported in The Top American Research Universities.

#### ACCESS AND AFFORDABILITY INDICATORS

**Percent (In-State) Pell Grant Recipients.** Federal Pell Grants are awarded to low-income undergraduates based on their expected family contribution. Data as reported by campuses to the UMass President's Office of in-state, full-time students with Pell Grants in the Financial Aid Template.

**Percent Need Met for In-State Students Awarded Need-Based Aid.** The average percentage of demonstrated financial need that is met by the institution's award of need-based financial aid to undergraduate students. Data as reported to the UMass President's Office in the Financial Aid Template.

**Average Debt of Students for Graduating Class (UG).** The average debt load is based on the total debt borrowed by an Institution's UG graduating class divided by the

number of students of that graduating class that carried any amount of debt. It does not include those students with no debt load. Data is from CDS.

**Percent Graduating Class (UG) with Debt.** The total number of students in the UG graduating class that carried a debt load at the institution divided by the total number of graduating students in that institution. Data is from CDS.

**Percentage Undergraduates from Massachusetts.** Percentage of total undergraduate students who currently reside in Massachusetts based on tuition residency and/or permanent address for continuing education students.

**Online Course Enrollments (Registrations).** Enrollments or course registrations for the academic year for online credit courses. Academic year includes Summer, Fall, intersession, and Spring. These do not include hybrid courses, but fully online only offered via *UMassOnline*.

**Annual Growth in Online Course Enrollments (Registrations).** Percentage rate of growth in enrollments or course registrations for the fiscal year for online credit courses. Fiscal year includes Summer, Fall, intersession, and Spring. These do not include hybrid courses, but fully online only offered via *UMassOnline*.

#### STUDENT SUCCESS AND SATISFACTION INDICATORS

**Percent Undergraduates who are Students of Color.** Undergraduates who are African American/Black, American Indian/Alaska Native, Asian, Hawaiian/Pacific Islander, More than One Race, or Hispanic/Latino divided by total U.S. citizens and permanent residents who report race/ethnicity. Due to recent changes in IPEDS race and ethnicity classifications, trend data on students of color should be viewed with caution.

**Percent Undergraduates who are First Generation in College.** First-generation college students are defined as those students with neither parent having earned a bachelor's degree. Data are reported on the Fall 2014 Common Application form required of all entering first year students who apply to UMass Amherst.

**Percent Undergraduates with English as a Second Language.** Percentage of undergraduates whose first language was not English. Data are from the 2014 Common Application form.

**Percent Undergraduates who are International.** Percentage of all undergraduates who are studying at the university on a student visa. International students include all eligible visa types as long as they are enrolled for a credit course; i.e., international students do not include U.S. citizens, U.S. permanent residents or refugees.

**Number of Students who Participated in a Study Abroad Program.** Data are for the total number of students who participated in a credit bearing, study abroad program as reported on the Institute of International Education Open Doors survey for Fall 2013 through Summer 2014.

**Freshmen One-Year Retention Rate.** Percent of first-time, full-time freshmen who entered in the previous Fall and were still enrolled at UMass Amherst as of the next Fall. Peer data as reported to IPEDS.

**Freshmen Four-Year Graduation Rate.** Percent of first-time, full-time freshmen who entered in a given Fall term and who graduated within four years from UMass Amherst.

**Freshmen Six-Year Graduation Rate.** Percent of first-time, full-time freshmen who entered in a given Fall and had graduated within six years from UMass Amherst. Peer data as reported to IPEDS.

**Transfer (Full-Time) One-Year Retention Rate.** Percent of full-time transfer students at any level who entered in the prior Fall and were still enrolled at UMass Amherst or graduated as of the next Fall.

**Transfer (Upper-Division) Four-Year Graduation Rate.** Percent of full-time upper division transfers (60+ credits) who entered in a given Fall and had graduated within four years from UMass Amherst.

**Student Achievement Measure (SAM Data – Bachelor’s Seeking Module).** Report on first-time, full-time freshmen cohort based on data sent to National Student Clearinghouse and reported to the Student Achievement Measure project.

**Alumni Participation Rate.** Average alumni giving rate: The average percentage of undergraduate alumni of record who donated money to the college or university. Alumni of record are former full- or part-time students who received an undergraduate degree and for whom the college or university has a current address. The alumni giving rate is calculated by dividing the number of alumni donors during a given academic year by the number of alumni of record for that same year. These two separate alumni giving rates are then averaged for the last two academic years. Graduates who earned only a graduate degree are excluded. Undergraduate alumni donors are alumni with undergraduate degrees from an institution who made one or more gifts for either current operations or capital expenses during the specified academic year. The percentage of alumni giving serves as a proxy for how satisfied students are with the school. A higher average alumni giving rate percentage scores better in the ranking model than a lower average alumni giving rate. Data is from US News and World Report.

## SERVICE TO THE COMMONWEALTH INDICATORS

**Percent of Incoming Class that are Transfers/Freshmen.** The percent of an incoming degree-seeking undergraduate class that is entering freshmen vs. transfers.

**Degree Completions.** The number of degrees (not including certificates) awarded in the previous academic year, by degree level. As reported to IPEDS.

**Percent Alumni Who Remain in Massachusetts.** Percentage of total alumni who currently reside in Massachusetts based on alumni records.

**Enrollment in Science, Technology, Engineering, and Mathematics (STEM) Programs.** Unduplicated count of students enrolled in STEM programs. STEM programs are those fields of study defined in the National Science & Mathematics Access to Retain Talent (SMART) Grant with the exclusion of foreign languages. Enrollment count includes undergraduate, graduate and certificate students.

**Degrees and Certificates Awarded in STEM Fields.** Number of undergraduate and graduate degrees awarded in STEM fields. STEM fields are those defined in the National Science & Mathematics Access to Retain Talent (SMART) Grant with the exclusion of foreign languages. Certificates data also included separately.

**Degrees and Certificates Awarded in Healthcare Fields.** Health Care designation as defined by Campus IR; and based on CIP classification. All of CIP 51 and specific 6-digit CIPs unique to each campus. Certificates data also included separately.

**MTEL Science & Math Test-Takers.** Total number of students who took the Massachusetts Tests for Educator Licensure (MTEL) subject tests in science and math fields.

## FINANCIAL HEALTH INDICATORS

**Endowment Assets and Annual Growth in Endowment.** Annual growth in total UMass Amherst endowment balance.

**Endowment per Annualized Student FTE.** Total UMass Amherst endowments per annualized FTE student, where FTE of peer institutions is standardized to UMass formula.

**Private Funds Raised Annually.** Private funds raised includes restricted and unrestricted revenues from individuals, foundations, corporations and other organizations. Includes private grant revenues but not private contract revenues. Totals for each year include pledges made in that year as well as the value of in-kind contributions.

**Primary Reserve.** Unrestricted net assets as a percentage of total operating expenditures. Peer data are from published financial statements.

**Debt Service to Operations.** Debt service as a percentage of total operating expenditures. Peer data are from published financial statements.

**Deferred Maintenance per GSF.** Deferred Maintenance per Gross Square Footage includes deferred and other maintenance dollars needed to maintain the current function of the campus, calculated by the “Sightlines” Return on Physical Assets methodology (ROPA sm) and shown per square foot of space.

**PEER INSTITUTIONS FOR UMASS AMHERST**

Indiana University-Bloomington

\*Iowa State University

\*Rutgers University System

Stony Brook University

\*University of California-Santa Barbara

\*University of Colorado-Boulder

\*University of Connecticut System

University of Delaware

\*University of Maryland-College Park

University of Oregon

**\*Financial Peer**

*Please Note: Unless otherwise specified, all data are from the UMass Amherst Office of Institutional Research.*

## HEADLINES FROM THE 2015 ANNUAL INDICATORS

### ACADEMIC QUALITY

#### Improve Student Learning Experience

We continue to attract well-qualified freshmen and transfers to our entering classes in greater numbers. We place emphasis on the high school GPA for admissions decisions and have successfully maintained an average GPA over 3.00 for the last five entering classes, rising to 3.19 in Fall 2014. Sixty-three percent of incoming freshmen had a GPA of 3.00 or greater. The mean SAT score of incoming freshmen was 1057. New enrollments of first-time freshmen grew to more than 1,500 in Fall 2014, a 37% increase since Fall 2010.

Last year, UMass Boston received approval for the establishment of an Honors College, which has 429 students enrolled this year. One of the principal objectives of the Honors College curriculum is to give students an understanding of themselves as global citizens. Additionally, two of our students received Fulbright awards this year. One received a Boren fellowship, and another received honorable mention for the prestigious Barry Goldwater scholarship. Academic Analytics shows 32 academic awards to 21 faculty members for the most recent year for which data is available (2013). Distinguished Professor of Biology Kamaljit Bawa was recently named to the prestigious Fellowship of the Royal Society.

#### Strengthen Research and Development

UMass Boston continues to advance as an increasingly sophisticated research university. Between FY 2010 and FY 2014, UMass Boston's total R&D expenditures reported to NSF increased from \$56.4 million to \$61.2 million. In terms of R&D expenditure per tenure stream faculty, this figure has increased by eight percent since FY 2010 and showed more than \$125,000 per tenured/tenure-track faculty member in FY 2014.

This year, UMass Boston professor of psychology, Alice Carter, received a \$3.9 million grant from the National Institute of Mental Health to fund ongoing research on early identification and treatment of autism spectrum disorders. In addition, researchers at UMass Boston and George Washington University will collaborate on a research study designed to use social media to help some 450 students on both campuses lose weight. The study, Translation of Social Media Obesity Treatment into Two College Campus Communities, is funded by the National Institute of Diabetes and Digestive and Kidney Diseases (NIH).

Led by Professor Maria Ivanova, the Center for Governance and Sustainability has joined a larger team of collaborators from the Horn of Africa Regional Environment Centre & Network (HoA-REN), EcoAgriculture Partners, and the Landscapes for People, Food and Nature network and submitted a winning proposal to the Global Resilience

Partnership Challenge. A joint endeavor of the Rockefeller Foundation, United States Agency for International Development (USAID), and the Swedish International Development Agency (SIDA), the Global Resilience Partnership is a multi-phase design challenge for innovative solutions and systemic approaches to climate and population change in the Horn of Africa, the Sahel, and South and Southeast Asia.

#### Renew Faculty

In AY 2014-15 UMass Boston was successful in recruiting 39 tenured or tenure-track faculty; 27% were persons of color, and 59% were female.

Tenure stream faculty increased five percent from Fall 2013 to Fall 2014, a continuation of a steady increase over the previous four years. This is a critical factor in ensuring the continued success of our increasing number of students.

### ACCESS AND AFFORDABILITY

We continue to serve residents of Greater Boston communities and communities throughout the Commonwealth, fulfilling our mission of access to diverse populations. Many (86%) of our state-supported undergraduates are from Massachusetts. UMass Boston serves large numbers of minority students, first-generation college students, transfers, and students who are immigrants or children of immigrants who speak languages other than English at home or with families. Our students are also diverse in age and national origin. In keeping with UMass Boston's strategic goal of global engagement, the number of international students attending as undergraduates has more than tripled between Fall 2010 and Fall 2014 and it is anticipated it will increase further over the next five years. In addition, the number of students participating in study abroad programs has increased over the past five years, with 208 participating this year (171 of them undergraduates).

The social and economic diversity of our students is illustrated by our Pell grant figures. Forty-five percent of our full-time undergraduate students from Massachusetts receive Pell grants, which are federal funds targeted toward students in greatest financial need.

UMass Boston's College of Advancing and Professional Studies continues to see large numbers of online course registrations, with over 14,000, marking the third consecutive fiscal year with more than 13,000 course registrations. Over the past five years, the rate of growth in registrations has remained strong as UMass Boston continues to add new online programs.

## STUDENT SUCCESS AND SATISFACTION

### Diversity and Positive Climate

UMass Boston serves a vital function in the region as the only public research university in Boston. The campus is well known for the diversity of its student population, which exceeds the population diversity of the region. With more than 5,000 undergraduates of color, UMass Boston is the most diverse public four-year research university of all New England schools. In Fall 2014, 52% of our U.S. undergraduate students were students of color. The diversity of our student population has continued to increase along with increases in admissions quality indicators and substantial increases in enrollment.

Freshmen one-year retention rates have continued to improve over the past five years, reaching 80% for those students who entered in Fall 2013. The retention rate of entering transfer students has increased from 81% for those entering in Fall 2012 to 82% for those entering in Fall 2013.

The six-year graduation rate for the Fall 2008 cohort was 42%. While slightly lower than last year's record high of 44%, this remains one of the highest six-year graduation rates for UMass Boston in the past 20 years. The six-year graduation rate for the Fall 1992 freshmen cohort was 27%

The Fall 2008 cohort precedes many of the initiatives focused on student success: Start on Track/Stay on Track, the Honors program (now the Honors College), the CSM Freshmen Success program, the CLA First! Program, the CM LEAD program, the Student Support Services program, MAP-Works, and Success Boston (for Boston Public School students). All of these programs contribute to increasing retention rates.

### SERVICE TO THE COMMONWEALTH

Over three-quarters of our alumni reside in Massachusetts, where they contribute to the economy and civic life of the Commonwealth.

UMass Boston devotes a high proportion of research and public service activities to the cultural, social, and economic development of the Commonwealth and global community. In addition to research which addresses policy needs, the campus is heavily engaged in a wide range of outreach activities, including our partnerships with the Boston Public Schools, the Dana Farber Harvard Cancer Consortium, and Children's Hospital. We are recognized by the Carnegie Foundation, the Association of Public Land-grant Universities, and the American Association of State Colleges and Universities for our outreach and partnerships and for curricular community engagement.

Among the many examples of UMass Boston's outreach and partnerships are projects to improve the lives of Bostonians. During this academic year, UMass Boston joined Mayor Martin J. Walsh, Boston Public Schools, and the Gavin Foundation in a new partnership for a pilot program called Too Good for Drugs, a new school-based prevention program designed to

reduce the use of alcohol, tobacco, and illegal drugs. This year saw the launch of the School for the Environment's new graduate program in Urban Planning and Community Development. Mayor Walsh enlisted eight students in our Honors College to help him create a plan to revitalize Dorchester's Strand Theater. The university also hosted the fourth annual Community-Engaged Partnerships Symposium, an event highlighting the efforts and achievements of UMass Boston faculty and staff and offering professional development workshops.

Enrollments continue to grow steadily in Science, Technology, Engineering, and Mathematics (STEM) as overall enrollments also rise, with almost 4,000 students in these disciplines in Fall 2014. This is an increase of 46% from Fall 2009 to Fall 2014. The number of STEM degrees and certificates awarded has increased 38% from AY 2009-10 to AY 2013-14. The Integrated Sciences Complex will further strengthen this focus of the university. The building opened for classes and research in Spring 2015, with an official ribbon cutting in April.

### FINANCIAL HEALTH

Endowment assets totaled \$78.9 million in FY 2014, an increase of 19% over the prior year. Endowment per annualized student FTE grew from \$3,414 in FY 2010 to \$5,756 in FY 2014, an increase of 69%, in spite of the significant increase in enrollment over the time period. Total private funds raised increased from FY 2010 (\$11.0 million) to FY 2014 (\$13.6 million). The 50<sup>th</sup> anniversary celebration has engaged the campus in renewed efforts to attract giving from alumni and friends.

UMass Boston's financial performance remains positive, reflecting the impact of rising enrollment and related fee revenue, increased research activity, and prudent management of its resources. UMass Boston continued to exhibit positive operating results in FY 2014, recording its fifth consecutive positive operating margin (4.8%), and a primary reserve (25.6%) greater than that of our peers (20.8%). There was a relatively low debt service ratio of 4.8% (our peers were 4.1%). The debt service ratio has remained in a relatively tight range over the last five fiscal years. Borrowing has increased slowly and interest rates have remained low. With the Master Plan being implemented, debt is planned to rise over the next few years.

In keeping with the 25-Year Master Plan, the campus is undergoing exciting physical changes. Construction on General Academic Building Number 1 has made progress. The roadway and utilities replacement/enhancement project continues. Major traffic pattern changes occurred this past year to accommodate work on this utility corridor, which will support future buildings and provide reliable and redundant utility services to the campus. The future two-way roadway network will also incorporate bike lanes, tree lawns, and sidewalks throughout the campus. The Edward M. Kennedy Institute for the United States Senate opened in March, with many dignitaries in attendance.

## 2015 ANNUAL INDICATORS AT A GLANCE

## ACADEMIC QUALITY

• Average High School GPA of Freshmen	3.19
• Average SAT Scores of Freshmen	
<i>Arithmetic Mean</i>	1057
<i>25<sup>th</sup> - 75<sup>th</sup> Percentile</i>	960 - 1130
• Average GPA of Entering Transfers	3.12
• Student Satisfaction with Educational Experience	78%
• Student-Faculty Ratio	16:1
• Technology-Enhanced Classrooms	122
• Number of Students Enrolled in For-Credit Internships	6,069
• Number of Doctoral Degrees Awarded	71
• Postdoctoral Appointees	16:1
• Total R&D Expenditures	\$61.2M
• Total R&D Expenditures Ranking	183
• Total R&D Expenditures Ranking among Carnegie Peers, US Publics, Non-Medical	30
• Total R&D Expenditures per Tenure System Faculty	\$125,639
• Sponsored Instruction & Outreach/Faculty	\$38,180
• Patent Applications	4
• License Income	\$1,464
• Percent Tenured/Tenure-Track Faculty	40%
• New Tenured/Tenure-Track Faculty Hired	39
<i>As Percent of Tenured/Tenure-Track Faculty</i>	8%
• Change in Tenured/Tenure-Track Faculty	5%
• Change in Total Faculty FTE	4%
• Full-Time Instructional Faculty	
<i>Percent of Color</i>	25%
<i>Percent Women</i>	50%
• Faculty Awards	NA
• National Academy Members	NA

## ACCESS AND AFFORDABILITY

• Percent In-State Pell Grant Recipients	45%
• Percent of Need Met for In-State Students Awarded Need-Based Aid	89%
• Average Debt of Students ( <i>UG Graduating Class</i> )	\$27,229
• Percent Graduating Class with Debt (UG)	73%
• Percent Undergraduate Students from MA	86%
• Online Course Registrations	14,637
• Annual Growth in Online Course Registrations	10%

## STUDENT SUCCESS AND SATISFACTION

• Percent Undergraduate who are Students of Color	52%
• Percent First-Generation College Students	56%
• Percent Undergraduates with English as a Second Language (2014 Freshmen)	53%
• Percent International Undergraduates	11%
• Total Students who Participated in a Study Abroad Program	208
• Freshman Four-Year Graduation Rate	18%
• Freshmen One-Year Retention Rate	80%
• Freshmen Six-Year Graduation Rate	42%
• Transfer (Full-time) One-Year Retention Rate	82%
• Transfer (Upper Division) Four-Year Graduation Rate	64%
• Alumni Participation Rate	4.8%

## SERVICE TO THE COMMONWEALTH

• Incoming Class	3,219
<i>Percent Freshmen</i>	48%
<i>Percent Transfers</i>	52%
• Degree Completions	3,360
<i>Bachelors</i>	2,366
<i>Masters</i>	923
<i>Doctorates</i>	71

- Percent Alumni who Live in Massachusetts 75%
- Enrollment in STEM Programs 3,910 (25%)
  - Undergraduate* 3,389 (28%)
  - Graduate* 521 (15%)
- Degrees Awarded in STEM Fields 556 (16%)
  - Undergraduate* 432 (18%)
  - Graduate* 124 (12%)
- Degrees Awarded in Healthcare Fields 611
  - Undergraduate* 552
  - Graduate* 59
- MTEL Science and Math Test-Takers 213

## FINANCIAL HEALTH

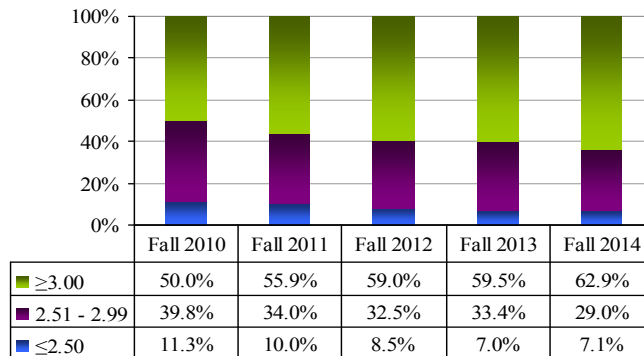
---

- Total Endowment \$78.9M
- Annual Growth in Endowment 19%
- Total Endowment per Annualized Student FTE \$5,756
- Private Funds Raised Annually \$13.6M
- Primary Reserve 25.6%
- Debt Service to Operations 4.8%
- Deferred Maintenance per GSF \$193.88

## ACADEMIC QUALITY

### High School GPA of Freshmen

The number of entering freshmen has increased 37% from Fall 2010 to Fall 2014 while the average GPA of entering first-time freshmen at UMass Boston remained above 3.0 and reached 3.19 in Fall 2014. In Fall 2014, more than 60% of entering freshmen had GPAs of 3.0 or higher. Admissions decisions focus on GPA scores as they are more closely linked to success in college than SAT scores.



Average HS GPA	Fall 2010	Fall 2011	Fall 2012	Fall 2013	Fall 2014
	3.02	3.09	3.15	3.16	<b>3.19</b>

### Average SAT Scores of Freshmen

The average SAT scores of entering freshmen have remained stable since the 2006 changes in the SAT exams. As noted above, the number of entering freshmen has steadily increased. A majority of students at four of our peer institutions primarily submit ACT scores. Peer average does not include University of Illinois at Chicago because data were unavailable.

Average SAT Scores of Freshmen	Fall 2010	Fall 2011	Fall 2012	Fall 2013	Fall 2014
75th Percentile	1125	1120	1160	1130	<b>1130</b>
25th Percentile	960	950	980	970	<b>960</b>
Average	1035	1043	1072	1058	<b>1057</b>

Average SAT Scores of Freshmen (Peers)	Peers Fall 2014
75th Percentile	<b>1236</b>
25th Percentile	<b>990</b>
Average	<b>1113</b>

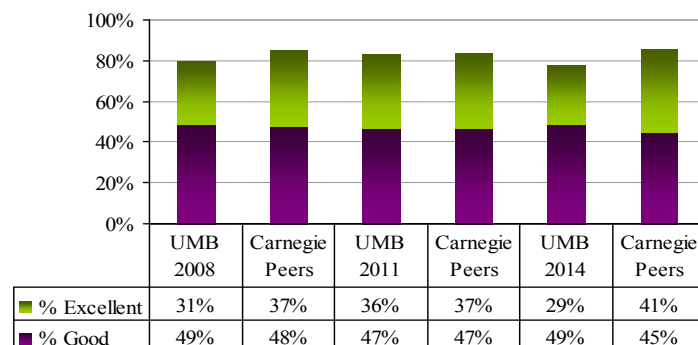
### Average GPA of Entering Transfer Students

Just over half of all new students entering in the fall are transfer students. The average GPA of these students has risen by .04 points from 3.08 to 3.12 over the last five years. There are no comparable peer data for this indicator.

Avg. GPA Entering Transfers	Fall 2010	Fall 2011	Fall 2012	Fall 2013	Fall 2014
	3.08	3.13	3.11	3.11	<b>3.12</b>

### Student Satisfaction with Educational Experience

Seventy-eight percent of seniors responding to the National Survey of Student Engagement (NSSE) in 2014 rated their overall experience at UMass Boston as "good" or "excellent." NSSE response rates were low, which limits the generalizability of the results.





### Student-Faculty Ratio

The student-to-faculty ratio has remained at 15 or 16 for the past five years. The growing enrollment has been accompanied by a commitment to hiring faculty, which explains the relatively constant student-faculty ratio.

<i>Student-Faculty Ratio</i>	2010	2011	2012	2013	2014
	16:1	16:1	15:1	15:1	<b>16:1</b>

### Technology-Enhanced Classrooms

#### Standard Classroom Technology:

A vast majority of classrooms on campus are equipped with a standard set of technologies such as an overhead projector, VHS & DVD player, and a network connection, all controlled via a Crestron Audio Visual panel. Remote tech support is available as well, allowing faculty to get immediate assistance in the event of a question. A portable document camera, laptops, and other technologies can be checked-out via the McCormack and the Wheatley media labs.

#### Advanced Classroom Technology:

In addition to UMass Boston's standard classroom technologies, these rooms, including large lecture halls, have a document camera, a smart interactive display, wireless microphone, and a Dell Desktop installed. The interactive display allows the instructor to annotate on the screen and capture the image to be shared with the students. Some of the large lecture halls are also equipped with the echo360 classroom capture appliance to record instructor led teaching.

#### Special Space Technology:

Small classrooms, conference rooms, and other similar teaching areas are equipped with technologies that convert a passive learning space into one which is dynamic and engaging, including 55" LCD monitors with audio and laptop connectivity.

<i>UMB Technology-Enhanced Classrooms</i>	<i>AY 2013-2014</i>	
	<i>No. of Classrooms</i>	<i>Percent of Total</i>
Standard Classroom Technology	84	69%
Advanced Classroom Technology	29	24%
Special Space	9	7%
<b>Total Classrooms/Teaching</b>	<b>122</b>	<b>100%</b>

### Number of Students Enrolled in For-Credit Internships/Co-ops

The number of undergraduate and graduate students participating in for-credit internships or co-ops has been above 5,000 students for the past three academic years. Data prior to AY 2011-12 used a different methodology and is not comparable to data from the past three years.

<i>For-Credit Internships/Co-ops</i>	2010-11	2011-12	2012-13	2013-14	2014-15
	3,848	5,889	6,115	5,372	<b>6,069</b>

### Doctoral Degrees Awarded

UMass Boston has awarded almost 250 doctoral degrees in the last five years, averaging 49 a year. For almost all programs, the number of doctoral degrees awarded increased from the previous year.

<i>UMB Doctoral Degrees Awarded</i>	2009-10	2010-11	2011-12	2012-13	2013-14
<i>Research/Scholarship Doctorates</i>	49	42	40	31	<b>61</b>
<i>Professional Practice Doctorates</i>	0	2	5	6	<b>10</b>
<b>Total Doctoral Degrees Awarded</b>	<b>49</b>	<b>44</b>	<b>45</b>	<b>37</b>	<b>71</b>

<i>Research/Scholarship Doctorates</i>	2009-2010	2010-2011	2011-2012	2012-13	2013-14
<i>UMB</i>	49	42	40	31	<b>61</b>
<i>Peer Average</i>	120	124	130	130	<b>129</b>

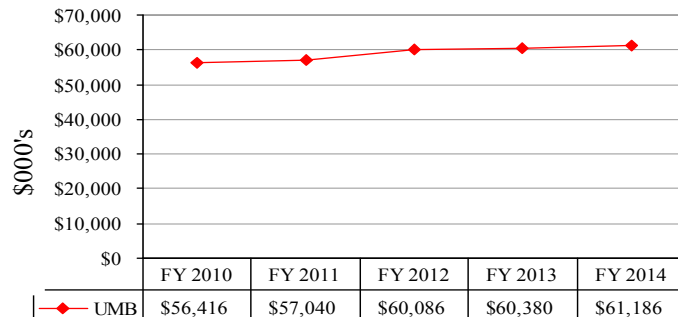
### Postdoctoral Appointees

UMass Boston more than doubled the number of postdoctoral appointees on campus from Fall 2009 to Fall 2013.

Postdoctoral Appointees	2009-2010	2010-11	2011-12	2012-13	2013-14
	6	9	15	13	16

### Total Research and Development (R&D) Expenditures

Between FY 2010 and FY 2014, UMass Boston's R&D Expenditures reported to NSF increased eight percent to more than \$61 million.



### Total R&D Expenditures Rankings

UMass Boston's total R&D Expenditures overall ranking has increased and the ranking among Carnegie Peers has remained steady for the past five fiscal years.

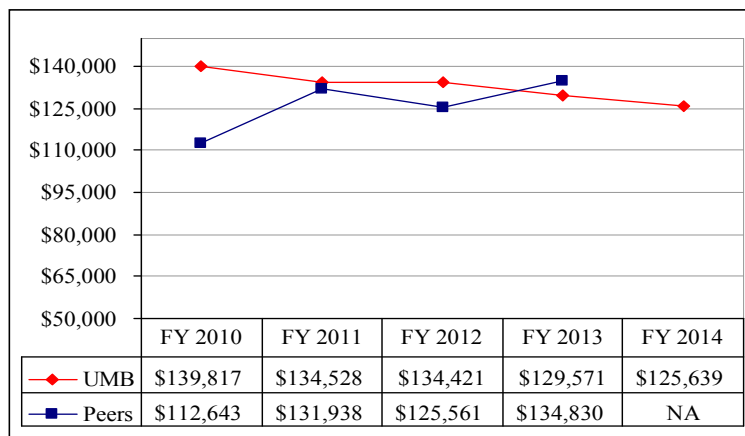
Total R&D Expenditures Rankings	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013
Overall Ranking	222	183	191	185	183
Ranking based on Carnegie Peers	31	30	34	31	30

*n.b. Ranking based on Carnegie Peers is further standardized by US Publics and Non-Medical Schools.*

### Total R&D Expenditures per Tenured System Faculty

The strategic plan implementation continues to support increased R&D. R&D expenditures per UMass Boston tenured/tenure-track faculty decreased 10.1% since FY 2010. As called for in our strategic plan, the number of our tenured and tenure-track faculty has been growing.

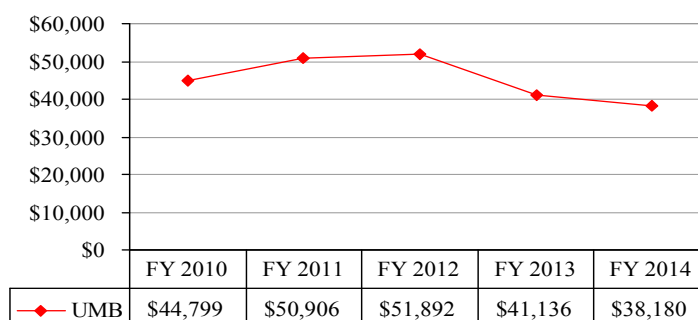
In calculating peer data, we excluded the University of Illinois at Chicago and the University of Louisville, which have medical schools. The FY 2010 NSF survey content changed significantly from prior years and is not strictly comparable to previous years' data.



### Sponsored Instruction & Outreach per Faculty

Total Sponsored Instruction & Outreach Dollars per faculty member decreased 15% between FY 2010 and FY 2014.

In keeping with our strategic plan, the number of our tenured and tenure-track faculty has been growing in recent years.



### Patent Applications

With the opening of the Integrated Sciences Center in 2015, we expect growth to occur in translational research that is of interest to industry and in activities that enable licensing of inventions that come from translational research. In FY 2014, there were three U.S. patent applications and one international application through the Patent Cooperation Treaty.

<i>Patent Applications</i>	<i>FY 2010</i>	<i>FY 2011</i>	<i>FY 2012</i>	<i>FY 2013</i>	<i>FY 2014</i>
	1	1	1	1	4

### License Income

While the number of patent applications has remained steady over the years, the number of invention disclosures has increased significantly on the UMass Boston campus, from one to five per fiscal year. Licenses and licensing income are related to the number of invention disclosures.

<i>License Income</i>	<i>FY 2010</i>	<i>FY 2011</i>	<i>FY 2012</i>	<i>FY 2013</i>	<i>FY 2014</i>
	\$1,331	\$2,445	\$2,474	\$2,797	<b>\$1,464</b>

### Percent Tenured/Tenure-Track Faculty

The percentage of faculty who are tenured/tenure-track has remained close to 40 for the past five years, holding at 40% for the past two years.

<b>Percent Tenured/Tenure-track Faculty</b>	<i>Fall 2010</i>	<i>Fall 2011</i>	<i>Fall 2012</i>	<i>Fall 2013</i>	<i>Fall 2014</i>
<i>% Tenured/Tenure-track</i>	39%	39%	37%	40%	<b>40%</b>
<i>% Non Tenure-track/PT</i>	61%	61%	63%	60%	<b>60%</b>

### New Tenured/Tenure-Track Faculty Hired

In keeping with strategic planning goals, UMass Boston was successful in recruiting 39 tenured or tenure-track faculty in AY 2014-15. Twenty-seven percent were persons of color and 59% were female.

<i>New Tenured/Tenure-Track Faculty Hired</i>	<i>AY 2010-11</i>	<i>AY 2011-12</i>	<i>AY 2012-13</i>	<i>AY 2013-14</i>	<i>AY 2014-15</i>
	30	27	41	44	<b>39</b>

### New Tenured/Tenure-Track Faculty Hired as Percent of All Tenure-Track Faculty

UMass Boston has continued its efforts to increase the percentage of tenured/tenure-track faculty by hiring an increasing number of these faculty.

<i>New T/TT Faculty as Percent of Total</i>	<i>Fall 2010</i>	<i>Fall 2011</i>	<i>Fall 2012</i>	<i>Fall 2013</i>	<i>Fall 2014</i>
<i>Total T/TT Faculty</i>	404	424	447	466	<b>487</b>
<i>Total New Hires</i>	30	27	41	44	<b>39</b>
<i>Percent of Total</i>	7%	6%	9%	9%	<b>8%</b>

### Change in Tenured/Tenure-Track Faculty

New and replacement faculty hiring and the retention of faculty resulted in an increase in tenure-stream faculty of 5% from Fall 2013 to Fall 2014.

<i>Change in T/TT Faculty</i>	<i>Fall 2010</i>	<i>Fall 2011</i>	<i>Fall 2012</i>	<i>Fall 2013</i>	<i>Fall 2014</i>	<i>1-year Change</i>
	404	424	447	466	<b>487</b>	<b>5%</b>

### Change in Faculty FTE

As enrollment continues to increase, the faculty FTE also increases.

<i>Change in Faculty FTE</i>	<i>Fall 2010</i>	<i>Fall 2011</i>	<i>Fall 2012</i>	<i>Fall 2013</i>	<i>Fall 2014</i>	<i>1-year Change</i>
	743	790	851	859	<b>896</b>	<b>4%</b>

### Faculty by Race and Gender

The percent faculty of color has remained constant, with a slight increase between Fall 2013 and Fall 2014. This percentage is of U.S. faculty of known race. The female faculty percentage increased by one point between Fall 2013 and Fall 2014.

<i>Full-Time Instructional Faculty</i>					
<i>Faculty Of Color</i>	<i>Fall 2010</i>	<i>Fall 2011</i>	<i>Fall 2012</i>	<i>Fall 2013</i>	<i>Fall 2014</i>
<i>Number</i>	116	118	122	121	<b>132</b>
<i>Percent</i>	23%	23%	23%	24%	<b>25%</b>
<i>Women Faculty</i>	<i>Fall 2010</i>	<i>Fall 2011</i>	<i>Fall 2012</i>	<i>Fall 2013</i>	<i>Fall 2014</i>
<i>Number</i>	261	275	287	294	<b>323</b>
<i>Percent</i>	50%	50%	49%	49%	<b>50%</b>

UMass Boston is committed to building a diverse faculty, as demonstrated by the new tenured/tenure track faculty hired this year: 27% were persons of color and 59% were female.

*Race/Ethnicity according to new IPEDS definitions. Does not include Unknowns and Non Resident Aliens.*

### Faculty Awards

"The Top American Research Universities" shows no faculty awards for UMass Boston in the most recent publication which reflects 2012 data. Academic Analytics shows 32 awards awarded to 21 faculty members for the most recent year for which data are available (2013).

<i>Faculty Awards</i>	2009	2010	2011	2012	2013
	0	0	0	0	NA

### National Academy Members

2012 is the most recent year for which data are available through the Center for Measuring University Performance.

<i>National Academy Members</i>	2009	2010	2011	2012	2013
	1	1	1	1	NA

## ACCESS AND AFFORDABILITY

### Percent In-State Pell Grant Recipients

Over 40% of our in-state undergraduate applicants for financial aid are eligible for Pell Grants. Pell Grants are available only to those students with the lowest family incomes. The number of Pell-eligible students is an indicator of the economic diversity of the student population.

<i>Percent (In-State) Pell Grant Recipients</i>	Fall 2009	Fall 2010	Fall 2011	Fall 2012	Fall 2013
	35%	41%	44%	44%	45%

### Percent Need Met for In-State Students Awarded Need-Based Aid

The university has a goal of meeting 90% of the demonstrated financial need of all financial aid applicants using federal, state, institutional, and private funds.

<i>Percent Need Met for (In-State) Need-Based Aid</i>	2009-10	2010-11	2011-12	2012-13	2013-14
	93%	93%	90%	89%	89%

### Student Debt Load of Graduating Class

The average debt load of graduating students has increased over the past five years. The percent of the class graduating with debt has remained in the high 60s and low 70s.

	2010	2011	2012	2013	2014
<i>Average Debt Load</i>	\$22,387	\$24,203	\$25,499	\$26,078	\$27,229
<i>Percent Graduating Class with Debt</i>	68%	68%	74%	68%	73%

### Percent Undergraduate Students from Massachusetts

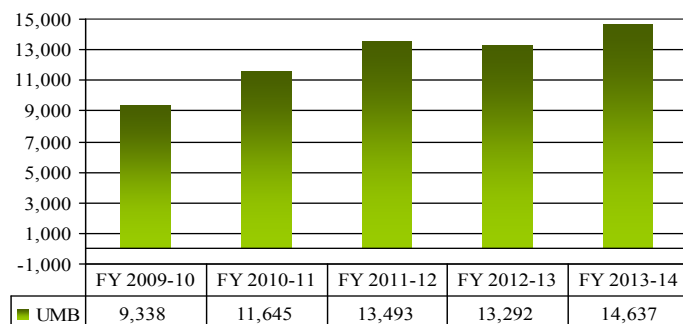
UMass Boston serves primarily undergraduate students from Massachusetts. We also attract international and out-of-state students. The percentage of students with in-state tuition residency has been declining in keeping with strategic planning goals of increasing the geographic diversity of our students.

<i>Percent Undergraduates from Massachusetts</i>	<i>Fall 2010</i>	<i>Fall 2011</i>	<i>Fall 2012</i>	<i>Fall 2013</i>	<i>Fall 2014</i>
<i>Number</i>	9,380	9,467	9,497	9,558	<b>9,653</b>
<i>Percent</i>	92%	89%	88%	87%	<b>86%</b>

### Online Course Registrations

Annual online course registrations have grown rapidly from FY 2010 to FY 2014 from 9,338 to 14,637, an increase of 57%.

Fiscal Year (FY) course registrations credit courses includes Summer, Fall, Winter and Spring semesters.



### Annual Growth in Online Course Registrations

Rates of growth in online registrations have varied from year to year with a 10% increase between FY 2013 and FY 2014.

<i>Annual Growth in Online Course Enrollments</i>	<i>FY 2009-10</i>	<i>FY 2010-11</i>	<i>FY 2011-12</i>	<i>FY 2012-13</i>	<i>FY 2013-14</i>
	13%	25%	16%	-1%	<b>10%</b>

## STUDENT SUCCESS AND SATISFACTION

### Percent Undergraduate Students of Color

The proportion of students of color has increased at UMass Boston during a period of steady enrollment growth.

UMass Boston continues to be the most diverse public four-year university in New England. We have over 5,000 undergraduate students of color.

<i>Percent UG Students of Color</i>	<i>Fall 2010</i>	<i>Fall 2011</i>	<i>Fall 2012</i>	<i>Fall 2013</i>	<i>Fall 2014</i>
<i>Number</i>	4,256	4,733	4,873	5,069	<b>5,256</b>
<i>Percent</i>	44%	47%	48%	50%	<b>52%</b>

### Percent First Time, Full Time Undergraduates who are First-Generation College Students

Question: <i>Did either of your parents receive a bachelor's degree?</i>	Fall 2010	Fall 2011	Fall 2012	Fall 2013	Fall 2014
<i>NSSE: % reporting neither of their parents had received a bachelor's degree.</i>	NA	57%	NA	NA	<b>57%</b>
<i>CIRP/BCSSE*: % reporting neither of their parents had received a bachelor's degree.</i>	52%	56%	49%*	NA	<b>NA</b>
<i>Freshmen Orientation Survey**: % reporting neither of their parents had received a bachelor's degree.</i>	NA	NA	NA	56%	<b>56%</b>

\*In Fall 2012, the BCSSE survey was not administered to many Directions for Student Potential (DSP) incoming freshmen.

This group has a very high proportion of students who are first-generation college students.

\*\*In years when BCSSE survey is not administered, a brief survey is administered at freshman orientation that includes questions about parent education.

### Percent Undergraduates who Speak English as a Second Language

UMass Boston enrolls significant numbers of students for whom English is a second language. This is another dimension of the diversity of our students.	Fall 2010	Fall 2011	Fall 2012	Fall 2013	Fall 2014
<i>Do you usually speak a language other than English at home or with family? NSSE : Combined Freshmen and Seniors</i>	NA	43%	NA	NA	<b>NA</b>
<i>Do you usually speak a language other than English at home or with family? Freshmen Orientation Survey: % of incoming freshmen responding 'Yes.'</i>	NA	NA	NA	52%	<b>53%</b>

### Percent International Undergraduates

The number of international students attending as undergraduates has increased by over 200% from Fall 2009 to Fall 2013. This number will continue to increase as UMass Boston pursues its strategic goal of global engagement.

<b>Percent UGs International</b>	Fall 2010	Fall 2011	Fall 2012	Fall 2013	Fall 2014
<i>Number</i>	466	678	950	1180	<b>1441</b>
<i>Percent</i>	4.0%	5.7%	7.8%	9.5%	<b>11.3%</b>

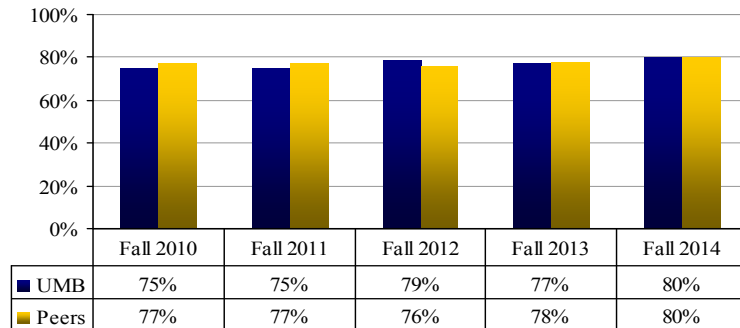
### Total Students who Participate in a Study Abroad Program

Study abroad figures are reported to the Institute of International Education's Annual Survey. The overall number of students taking advantage of our study abroad programs has increased 51% between AY 2009-10 and AY 2013-14. Increasing the number of students who study abroad is another goal of the strategic plan.

<b>Total Number of Students who participated in Study Abroad</b>	Fall 2009-Summer 10	Fall 2010-Summer 11	Fall 2011-Summer 12	Fall 2012-Summer 13	Fall 2013-Summer 14
	138	138	203	231	<b>208</b>

### Freshmen One-Year Retention Rate

The Fall 2014 one-year retention rate was the highest rate in the past five years. Our retention rate has remained on par with our peers for the last three years. All of our peer institutions have on campus housing.



### Four -Year Graduation Rates

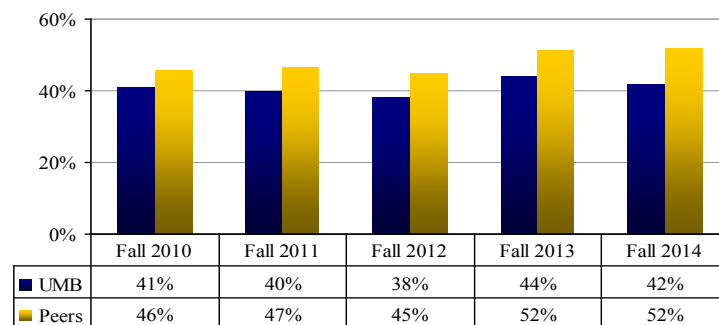
Four-year graduation rates have risen from 13% for the Fall 2006 cohort to 18% for the Fall 2010 cohort.

<i>4-Yr. Graduation Rates</i>	2010	2011	2012	2013	2014
<i>Cohort Entering Year</i>	(2006)	(2007)	(2008)	(2009)	(2010)
<b>4-Year Graduation Rate</b>	13%	15%	16%	15%	<b>18%</b>

### Freshmen Six-Year Graduation Rate

The six-year graduation rate reported for freshmen entering in Fall 2008 was 42%.

Ongoing efforts to improve retention will also positively impact graduation rates over time. Graduation rates, by necessity, reflect cohort histories and not the future. Increasing graduation rates is a major focus of the strategic plan.



### Transfer (Full-Time) One-Year Retention Rate

The one-year retention rate of all entering full-time transfer students was 82% for the cohort entering in Fall 2013.

<i>Transfers (Full-time) One-Year Retention Rate</i>	Fall 2010	Fall 2011	Fall 2012	Fall 2013	Fall 2014
	78%	78%	80%	81%	<b>82%</b>

### Transfer (Upper Division) Four-Year Graduation Rate

The four-year transfer graduation rate was 64% for those who entered in Fall 2010 and graduated by Fall 2014. There are no peer comparisons available for this indicator as these statistics are not collected nationally.

<i>Transfers (Upper Division) Four-Year Graduation Rate</i>	Fall 2010	Fall 2011	Fall 2012	Fall 2013	Fall 2014
	66%	66%	70%	71%	<b>64%</b>



### Student Achievement Measure (SAM Data - Bachelor's Seeking Model)

FIRST-TIME FULL-TIME FRESHMEN						
Number of Students in Cohort: 970				GRADUATED		
Outcomes for Student Starting at UMB in Fall 2008 by Summer 2014	2008-09	2009-10	2010-11	WITHIN 4 YRS.	WITHIN 5 YRS.	WITHIN 6 YRS.
Bachelor's degree from UMass Boston	0%	0%	1%	15%	34%	41%
Associate degree from UMass Boston	NA	NA	NA	NA	NA	NA
<b>Total Graduated from</b>	<b>0%</b>	<b>0%</b>	<b>1%</b>	<b>15%</b>	<b>34%</b>	<b>41%</b>
Bachelor's degree from another Institution	0%	0%	0%	3%	8%	10%
Associate degree from another Institution	0%	0%	0%	2%	2%	2%
<b>Total Graduated from another Institution</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>	<b>5%</b>	<b>10%</b>	<b>12%</b>
<b>Enrolled at UMass Boston</b>	<b>95%</b>	<b>75%</b>	<b>60%</b>	<b>40%</b>	<b>19%</b>	<b>10%</b>
Enrolled at another 4-yr Institution	0%	7%	12%	12%	8%	5%
Enrolled at another 2-yr Institution	0%	5%	9%	7%	5%	6%
<b>Total Transferred and Enrolled at another</b>	<b>0%</b>	<b>13%</b>	<b>22%</b>	<b>18%</b>	<b>13%</b>	<b>11%</b>
<b>Current</b>	<b>5%</b>	<b>12%</b>	<b>17%</b>	<b>22%</b>	<b>24%</b>	<b>26%</b>

Of the 970 Fall 2008 first-time, full-time freshmen, 41% graduated from UMass Boston, 12% obtained a degree elsewhere, 10% were still enrolled at UMass Boston, and 11% transferred and were still enrolled at another institution by Summer 2014. This means that 74% of the Fall 2008 freshmen were either still enrolled at an institution or had graduated within six years. The status is unknown for 26% of the cohort.

### Alumni Participation Rate

The university has a five-year target of achieving an 8.0% alumni participation rate in FY 2019.

Alumni Participation Rate	2010	2011	2012	2013	2014
	6.8%	5.5%	5.7%	5.0%	4.8%

## SERVICE TO THE COMMONWEALTH

### Incoming Class Composition

The percentage of incoming undergraduates has increased 15% in the past five years. In Fall 2010, a majority of the new incoming undergraduates were transfer students (60%). UMass Boston has planned to increase the number and percentage of incoming freshmen and has done so. Since Fall 2010, the total of incoming freshmen has increased 37% to 1,542 in Fall 2014.

Incoming Class Composition	Fall 2010	Fall 2011	Fall 2012	Fall 2013	Fall 2014
Total Incoming Class	2,789	3,084	3,095	3,123	3,219
Entering Freshmen	1,129	1,297	1,267	1,413	1,542
Percent Entering Freshmen	40%	42%	41%	45%	48%
Transfers	1,660	1,787	1,828	1,719	1,677
Percent Transfers	60%	58%	59%	55%	52%

## Degree Completions

The number of degrees awarded has increased 13% in the past five years. The greatest percent increases were in the doctoral degrees awarded (45% increase in five years) and bachelor's degrees (34% increase).

<i>Degree Completions</i>	<i>2009-10</i>	<i>2010-11</i>	<i>2011-12</i>	<i>2012-13</i>	<i>2013-14</i>
<i>Bachelor's degrees</i>	1,762	1,941	2,109	2,275	<b>2,366</b>
<i>Masters degrees</i>	1,168	1,144	988	1,017	<b>923</b>
<i>Doctoral degrees</i>	49	44	45	37	71
<i>Res./Sch. Doctorates</i>	49	44	40	31	<b>61</b>
<i>Professional Practice Doctorates</i>	0	0	5	6	<b>10</b>
<i>Total Degrees</i>	2,979	3,129	3,142	3,329	3,360

## Percent Alumni Who Live in Massachusetts

Three quarters of the alumni of UMass Boston stay, work, and pay taxes in Massachusetts.

<b>Percent Alumni Who Live in MA</b>	<i>Fall 2010</i>	<i>Fall 2011</i>	<i>Fall 2012</i>	<i>Fall 2013</i>	<i>Fall 2014</i>
<i>Undergraduate</i>	76%	79%	76%	76%	<b>76%</b>
<i>Graduate</i>	72%	73%	71%	71%	<b>70%</b>
<i>All</i>	75%	75%	75%	75%	<b>75%</b>

## Enrollment in STEM Programs

UMass Boston's Science, Technology, Engineering and Mathematics (STEM) undergraduate programs are located within the College of Science and Mathematics and the College of Management. STEM graduate programs are located in CSM, CM, and the College of Liberal Arts.

Enrollments continue to increase steadily in STEM programs as overall enrollments also rise. The number of total STEM students (undergraduate and graduate) has increased 46% from Fall 2010 to Fall 2014.

### Undergraduate

<i>Enrollment</i>	<i>Fall 2010</i>	<i>Fall 2011</i>	<i>Fall 2012</i>	<i>Fall 2013</i>	<i>Fall 2014</i>
<i>Total UG Degree-seeking</i>	10,626	10,941	11,386	11,721	<b>12,048</b>
<i>STEM</i>	2,362	2,487	2,751	3,063	<b>3,389</b>
<i>Percent STEM</i>	22%	23%	24%	26%	<b>28%</b>

### Graduate

<i>Enrollment</i>	<i>Fall 2010</i>	<i>Fall 2011</i>	<i>Fall 2012</i>	<i>Fall 2013</i>	<i>Fall 2014</i>
<i>Total Degree-seeking</i>	3,323	3,325	3,225	3,397	<b>3,445</b>
<i>STEM</i>	307	404	395	470	<b>521</b>
<i>Percent STEM</i>	9%	12%	12%	14%	<b>15%</b>

### Total Enrollment

<i>Enrollment</i>	<i>Fall 2010</i>	<i>Fall 2011</i>	<i>Fall 2012</i>	<i>Fall 2013</i>	<i>Fall 2014</i>
<i>STEM</i>	2,669	2,891	3,146	3,533	<b>3,910</b>
<i>Percent STEM</i>	19%	20%	22%	23%	<b>25%</b>

## Degrees and Certificates Awarded in STEM Fields

The number of STEM degrees awarded (undergraduate and graduate) has increased substantially over the past five years. The total has increased 38% from 403 in AY 2009-10 to 556 in AY 2013-14.

We anticipate further increases as more students enroll in science disciplines and since the Integrated Sciences Complex came online in Spring 2015.

Certificates include undergraduate and graduate certificates. CAGS/post-Masters Certificates are included in graduate degrees total.

### Undergraduate

	2009-10	2010-11	2011-12	2012-13	2013-14
<i>Total Degrees</i>	1,762	1,941	2,109	2,275	<b>2,366</b>
<i>STEM</i>	327	324	399	450	<b>432</b>
<i>Percent STEM</i>	19%	17%	19%	20%	<b>18%</b>

### Graduate

	2009-10	2010-11	2011-12	2012-13	2013-14
<i>Total Degrees</i>	1,034	1,022	1,062	1,070	<b>1,015</b>
<i>STEM</i>	76	63	97	82	<b>124</b>
<i>Percent STEM</i>	7%	6%	9%	8%	<b>12%</b>

### Total Degrees

	2009-10	2010-11	2011-12	2012-13	2013-14
<i>STEM</i>	403	387	496	532	<b>556</b>
<i>Percent STEM</i>	14%	13%	16%	16%	<b>16%</b>

### Certificates

	2009-10	2010-11	2011-12	2012-13	2013-14
<i>Certificates</i>					
<i>Total Certificates</i>	216	212	219	213	<b>304</b>
<i>STEM</i>	26	30	26	21	<b>8</b>
<i>Percent STEM</i>	12%	14%	12%	10%	<b>3%</b>

## Health Care Awards

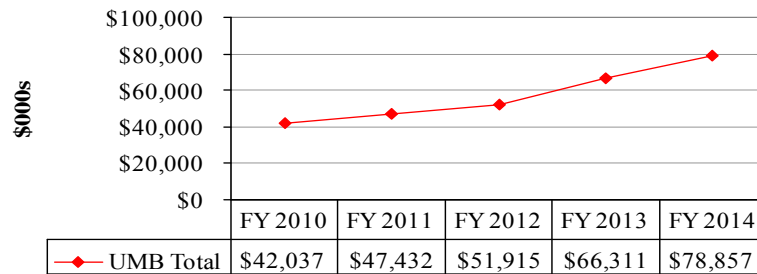
The number of health care awards at all levels have increased over the past five years. The awards of DNP degrees have impacted the increase in doctoral degrees. The number of health care bachelor's degrees awarded has increased 69% in the past five years.

<i>Health Care Awards</i>	2009-10	2010-11	2011-12	2012-13	2013-14
<i>Bachelor's degrees</i>	326	417	443	543	<b>552</b>
<i>Masters degrees</i>	41	38	39	47	<b>47</b>
<i>Doctoral degrees</i>	5	5	10	9	12
<i>Res./Sch. Doctorates</i>	5	3	5	3	<b>2</b>
<i>Professional Practice Doctorates</i>	0	2	5	6	<b>10</b>
<i>Total Degrees</i>	372	460	492	599	611
<i>Total Certificates</i>	57	60	95	81	132

## FINANCIAL HEALTH

### Endowment Assets and Annual Growth in Endowment

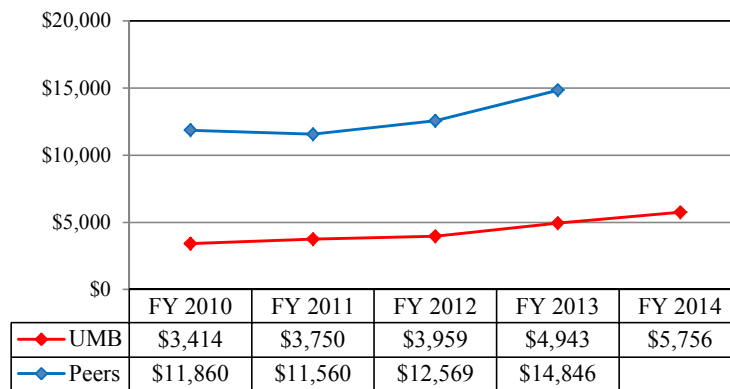
Endowment assets have continued to grow, increasing from \$42.0 million in FY 2010 to \$78.9 million in FY 2014. This represents a 88% increase in endowment assets.



Growth in Endowment	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014
	12%	13%	9%	28%	19%

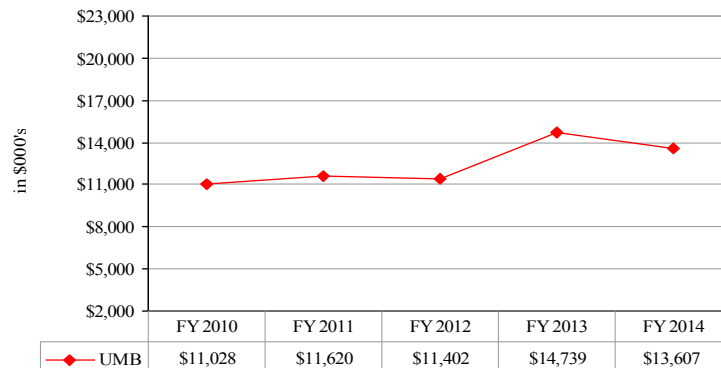
### Endowment per Annualized Student FTE

The endowment per Annual FTE student count has increased steadily, as the endowment funds and the enrollments have risen. One of our peers, the University of Louisville, has a substantial endowment that drives up the Peer Average. The University of Illinois at Chicago is not included because they only report at the system-level.



### Private Funds Raised Annually

Private funds raised annually increased by 23% from FY 2010 to FY 2014.



### Primary Reserve

In FY 2014, unrestricted and restricted-but-expendable net assets increased. But the higher increase in operating expenses reduced the Primary Reserve ratio.

<i>Primary Reserve</i>	<i>FY 2010</i>	<i>FY 2011</i>	<i>FY 2012</i>	<i>FY 2013</i>	<i>FY 2014</i>
<i>UMB</i>	27.8%	31.6%	28.2%	27.7%	<b>25.6%</b>
<i>Peer Average</i>	8.2%	9.9%	21.2%	19.0%	<b>20.8%</b>

### Debt Service to Operations

The debt service ratio has remained in a relatively tight range over the last five fiscal years. Borrowing has increased slowly and interest rates have remained low. With the Master Plan being implemented, debt is planned to rise over the next few years.

<i>Debt Service to Operations</i>	<i>FY 2010</i>	<i>FY 2011</i>	<i>FY 2012</i>	<i>FY 2013</i>	<i>FY 2014</i>
<i>UMB</i>	4.8%	4.6%	5.0%	6.0%	<b>4.8%</b>
<i>Peer Average</i>	7.5%	7.6%	6.3%	6.9%	<b>4.1%</b>

### Deferred Maintenance per GSF

Deferred maintenance includes deferred and other maintenance dollars needed to maintain the current function of the campus, calculated by the "Sightlines" Return on Physical Assets methodology (ROPA sm) and shown per square foot of space.

<i>Deferred Maintenance per GSF</i>	<i>FY 2010</i>	<i>FY 2011</i>	<i>FY 2012</i>	<i>FY 2013</i>	<i>FY 2014</i>
	\$177.81	\$183.74	\$189.02	\$194.97	<b>\$193.88</b>

## DEFINITIONS AND SOURCES

---

### ACADEMIC QUALITY INDICATORS

**Average High School GPA of Freshmen.** Cumulative GPA for college prep courses with additional weight to honor and AP courses, according to DHE admissions policy, reported on all first-year students.

**Average SAT Scores of Freshmen.** Average SAT Scores of freshmen are based on the Arithmetic Mean. The 25<sup>th</sup> and 75<sup>th</sup> percentiles are based on combined SAT scores of all first-year students. Peer data are from Integrated Postsecondary Education Data System or the Common Data Set.

**Average GPA of Entering Transfer Students.** Cumulative GPA for college level courses transferred to UMass Boston according to admissions policy.

**Student Satisfaction with Educational Experience.** Percent of seniors who responded “good” or “excellent” to the question, “How would you evaluate your entire educational experience at this institution?” on the National Survey of Student Engagement administered in Spring 2014. Peer data are from NSSE.

**Student-Faculty Ratio.** The ratio of FTE students to FTE instructional faculty. Faculty and students in stand-alone graduate or professional programs such as medicine, law, veterinary, dentistry, social work, business, and public health in which faculty teach virtually only graduate-level students are excluded. Teaching assistants are not counted as faculty. Data and definition are from CDS.

**Technology-Enhanced Classrooms.** Classification of the campus’s total classroom capacity in terms of the level of technology-support. Categories of classification are campus-specific.

**Number of Students Enrolled in For-Credit Internships/Co-Ops.** Data are from the Office of the Registrar and the Office of Career Services and Internships. Totals are academic year enrollment totals. Data prior to AY 2011-12 used a different methodology and is not comparable more recent data.

**Doctoral Degrees Awarded.** Number of doctorates awarded for AY 2013-14, which includes August 2013, January 2014, and May 2014 award dates. These include both research/scholarship and professional practice doctorates. Peer comparison data are based on research/scholarship doctorates only.

**Postdoctoral Appointees.** The number of postdoctoral appointees as reported to NSF.

**Total R&D Expenditures.** R&D expenditures in all academic fields, from all sources (federal, state, local governments, industry, private and institutional) as reported to NSF. Note: NSF data collection methods changed significantly in FY 2010.

**Total R&D Expenditures Ranking.** Annual NSF ranking of Total R&D expenditures, for all postsecondary institutions with any federal R&D expenditures participating in the NSF HERD Survey. Source: NCES WebCaspar/NSF HERD data tables.

**Total R&D Expenditures Ranking Among Carnegie Peers, US Publics, Non-Medical Institutions.** UMass Boston’s rank in the annual NSF ranking of Total R&D expenditures among public institutions of higher education with a Carnegie classification of “Research University/High Activity” and with no medical school. Data source NCES WebCaspar/NSF HERD data tables. Ranking computed by campus.

**Total R&D Expenditures per Tenure System Faculty.** R&D expenditures in all academic fields, from all sources (federal, state, local governments, industry, private and institutional) as reported to NSF, divided by total tenure system faculty as reported to IPEDS. Peer data are from NSF/IPEDS.

**Sponsored Instruction and Outreach per Faculty.** Restricted expenditures for instruction (e.g., training grants) and service per financial statements, divided by total tenure system faculty as reported to IPEDS.

**Patent Applications.** Number of U.S. Patent applications filed per year. Data source: Data reported by campuses to UMass President’s Office, Office of CVIP.

**License Income.** Amount of annual income from license agreements. Data source: Data reported by campuses to UMass President’s Office, Office of CVIP.

**Percent Tenured/Tenure-Track Faculty.** Percent based on the ratio of Tenured/Tenured Faculty FTE to Total Faculty FTE.

**New Tenured/Tenure-Track Faculty Hired.** The number of new tenured/tenured-track faculty members hired to start their new positions in the academic year. Such hires includes both replacement and ‘new’ positions.

**New Tenured/Tenure-Track Faculty Hired as Percent of All Tenured/Tenure-Track Faculty.** Definition of ‘New’ Hires per IPEDS Definitions. Number of ‘Newly hired’ Tenured/Tenure-track faculty divided by Total

Tenured/Tenure-track Faculty of an IPEDS reporting cycle.

**Change in Tenured/Tenure-Track Faculty.** The difference in the number of tenured/tenure-track faculty from one Fall semester to the next. Includes faculty members who are on paid leave. Does not include individuals whose primary responsibility is administrative. For the 2015 PMS report, the difference will be between the figure for Fall 2013 and Fall 2014.

**Change in Total Faculty Full Time Equivalent (FTE).** The difference in the total FTE, from one Fall semester to the next, for all full-time and part-time instructional faculty teaching state-supported courses. Includes faculty members who are on paid leave. Does not include individuals whose primary responsibility is administrative. Definition of faculty FTE is per the Common Data Set, and includes all faculty teaching credit courses, including non-state-supported courses.

**Percent Faculty-of-Color (based on Full-time Instructional Faculty).** The proportion of full-time instructional staff who are U.S. citizens or permanent residents and report their race/ethnicity to be one or more of the following: Hispanic/Latino, American Indian or Alaska Native, Asian, Black or African-American, Native Hawaiian or Other Pacific Islander, or Two or More Races. Race/ethnicity definition is based on IPEDS.

**Percent Women Faculty (based on Full-time Instructional Faculty).** The proportion of full-time instructional staff who identify themselves as female.

**Faculty Awards.** Number of faculty with awards from a list of 24 prominent grant and fellowship programs in the arts, humanities, science, engineering, and health fields (e.g., Fulbright American Scholars, Guggenheim Fellows, MacArthur Foundation Fellows, National Endowment for the Humanities Fellows, NSF Career Awards, Sloan Research Fellows). Data are from *The Top American Research Universities report*.

**National Academy Members.**  
Data reported in *The Top American Research Universities*.

## ACCESS AND AFFORDABILITY INDICATORS

**Percent In-State Pell Grant Recipients.** Federal Pell grants are awarded to low-income undergraduates based on their expected family contribution. Data as reported by campuses to the UMass President's Office in the Financial Aid Template.

**Percent of Need Met for In-State Students Awarded Need-Based Aid.** The average percentage of demonstrated financial need that is met by the institution's award of need-based financial aid to in-state undergraduate students. Data

as reported to the UMass President's Office in the Financial Aid Template.

**Average Debt of Students for Graduating Class.** The Average Debt Load is based on the total debt borrowed by an Institution's graduating UG Class divided by the number of students of that graduating class that carried any amount of debt. It does not include those students with no debt load.

**Percent Graduating Class with Debt.** The total number of students in a graduating class that carried a debt load at the institution divided by the total number of graduating students in that institution.

**Percent Undergraduate Students from Massachusetts.** Percentage of total state-supported undergraduate students who are in-state based on tuition residency.

**Online Course Registrations.** Enrollments or course registrations for the academic year for online credit courses. Academic year includes Summer, Fall, intersession, and Spring. These do not include hybrid courses, but fully online only offered via *UMassOnline*.

**Annual Growth in Online Course Registrations.** Percentage rate of growth in enrollments or course registrations for the fiscal year for online credit courses. Fiscal year includes Summer, Fall, intersession, and Spring. These do not include hybrid courses, but fully online only offered via *UMassOnline*.

## STUDENT SUCCESS AND SATISFACTION INDICATORS

**Percent Undergraduate who are Students of Color.** Undergraduates who are Cape Verdean, African-American/Black, Hispanic/Latino, Asian, Native American, and/or two or more races divided by total undergraduate U.S. citizens and permanent residents who report race. Fall 2011 marked a change in federal reporting rules for race and ethnicity. Due to these recent changes in IPEDS race and ethnicity classifications, trend data on students of color should be viewed with caution.

**Percent First-Time, Full-Time Undergraduates who are First Generation College Students.** First-generation college students are defined as those students with neither parent having obtained a bachelor's degree. Fall 2011 and Fall 2012 data are from the Beginning College Survey of Student Engagement (BCSSE). In years when the BCSSE survey is not administered, a brief survey is administered at freshmen orientation that includes questions about parent education. Previous years' data are from Cooperative Institutional Research Program (CIRP) Freshmen Survey.

**Percent Undergraduates Who Speak English as a Second Language.** Percentage of incoming students at freshmen

orientation who speak a language other than English at home or with family. In previous years, the percentage was of first-year and senior students combined who responded that they spoke another language at home or with family on the National Survey of Student Engagement (NSSE).

**Percent International Undergraduates.** Percentage of all undergraduates who are studying at the university on student visas.

**Total Number of Students Who Participated in a Study Abroad Program.** Data are numbers of students who participated in a credit bearing, study abroad program as reported on the Institute of International Education Open Doors survey for Fall 2013 through Summer 2014.

**Freshmen Four-Year Graduation Rate.** Percent of first-time, full-time, degree-seeking freshmen who entered in a given Fall and graduated from UMass Boston by the end of their fourth year.

**Freshmen One-Year Retention Rate.** Percent of first-time, full-time freshmen who entered in the previous Fall and were still enrolled as of the next Fall. Peer data are as reported to IPEDS or CDS.

**Freshmen Six-Year Graduation Rate.** Percent of first-time, full-time freshmen who entered in a given Fall and had graduated within six years. Peer data as reported to IPEDS or CDS.

**Transfer (Full-time) One-Year Retention Rate.** Percent of full-time transfer students at any level who entered in the prior Fall and were still enrolled or graduated as of the next Fall.

**Transfer (Upper-Division) Four-Year Graduation Rate.** Percent of full-time upper division transfers (60+ credits) who entered in a given Fall and had graduated within four years.

**Student Achievement Measure (SAM Data – Bachelor’s Seeking Module)** Report on first-time, full-time freshmen cohort based on data sent to National Student Clearinghouse and reported to the Student Achievement Measure project.

**Alumni Participation Rate.** The average percentage of undergraduate alumni of record who donated money to the university. Alumni of record are former full- or part-time students who received an undergraduate degree and for whom the university has a current address. The alumni giving rate is calculated by dividing the number of alumni donors during a given academic year by the number of alumni of record for that same year. These two separate alumni giving rates are then averaged for the last two academic years. Graduates who earned only a graduate degree are excluded. Undergraduate alumni donors are

alumni with undergraduate degrees from an institution who made one or more gifts for either current operations or capital expenses during the specified academic year. The percentage of alumni giving serves as a proxy for how satisfied students are with the school. A higher average alumni giving rate percentage scores better in the ranking model than a lower average alumni giving rate. Data is from U.S. News and World Report.

## SERVICE TO THE COMMONWEALTH INDICATORS

**Percent of Incoming Class that are Transfers/Freshmen.** The percent of an incoming degree-seeking undergraduate class that is entering freshmen vs. transfers.

### Degree Completions.

The number of degrees (not including certificates) awarded in the previous academic year, by degree level. As reported to IPEDS.

**Percent Alumni Who Live in Massachusetts.** Percentage of total alumni who currently reside in Massachusetts based on alumni records.

**Enrollment in STEM Programs.** Total number of students enrolled in STEM programs in the College of Science and Math and the College of Management. Undergraduate enrollment count includes bachelor’s degree-seeking students. Graduate enrollment count includes master’s and doctoral degree-seeking students.

**Degrees Awarded in STEM Fields.** Number of undergraduate and graduate degrees awarded in STEM programs in the College of Science and Math and the College of Management. Certificates data also included separately. Certificates include undergraduate and graduate certificates awarded.

**Degrees Awarded in Healthcare Fields.** Healthcare designation as defined by Campus IR, and based on CIP classification. All of CIP 51, and specific 6-digit CIPs unique to each campus. Certificates data also included separately.

**MTEL Science & Math Test-Takers.** Total number of students who took the Massachusetts Tests for Educator Licensure (MTEL) subject tests in science and math fields.

## FINANCIAL HEALTH INDICATORS

**Endowment Assets and Annual Growth in Endowment.** Total Endowment and Annual growth in total UMass Boston endowment assets.

**Endowment per Annualized Student Full Time Equivalent (FTE).** Total UMass Boston endowment per annualized FTE student.



**Private Funds Raised Annually.** Private funds raised includes restricted and unrestricted revenues from individuals, foundations, corporations and other organizations. Includes private grant revenues but not private contract revenues. Totals for each year include pledges made in that year as well as the value of in-kind contributions.

**Primary Reserve.** Unrestricted net assets as a percentage of total operating expenditures. Peer data are from published financial statements.

**Debt Service to Operations.** Debt service as a percentage of total operating expenditures. Peer data are from published financial statements.

**Deferred Maintenance per GSF.** Deferred Maintenance includes deferred and other maintenance dollars needed to maintain the current function of the campus, calculated by the “Sightlines” Return on Physical Assets methodology (ROPA sm) and shown per square foot of space.

#### **PEER INSTITUTIONS FOR UMASS BOSTON**

Cleveland State University  
 University of Memphis  
 University of Illinois at Chicago  
 University of Louisville  
 University of Nevada-Reno  
 University of Missouri-Kansas City  
 University of Maryland Baltimore County  
 University of Massachusetts Lowell

*Please Note: Unless otherwise specified, all data are coordinated by the UMass Boston Office of Institutional Research and Policy Studies.*

## HEADLINES FROM THE 2015 ANNUAL INDICATORS

---

### ACADEMIC QUALITY

UMass Dartmouth continues to maintain the quality of its academic programs. Notably, US News cited the College of Engineering as being 47<sup>th</sup> among similar undergraduate programs and the College of Nursing has been ranked 98th in graduate programs. The College of Visual and Performing arts digital media program has been rated among the top 50 in the nation. UMass Dartmouth is again tied for No. 1 in the Top Regional Public Institutions in New England. The online Bachelor's programs are ranked 55<sup>th</sup> in the nation according to US News, making the University's online degrees number one in Massachusetts.

The indicators highlighted below are indicative of the campus's successes in the past few years. Also highlighted are areas of change. As UMass Dartmouth reaches towards the Doctoral level of Carnegie classification, we acknowledge our achievements and look forward to new developments.

### ACCESS AND AFFORDABILITY

UMass Dartmouth continues to realize our mission to serve the region and the Commonwealth by providing a wide range of capable students with access to a high-quality education.

The indicators for Pell grants (39%), percent of need met (90%), percent students of color (30%), percent from Massachusetts (93%), and percent of freshmen who are first generation (49%), demonstrate UMass Dartmouth's strong commitment to access and opportunity. Additionally, the enrollment of international students has increased as the University continues to globalize its curriculum and student body. UMass Dartmouth is succeeding in its goal of maintaining a strong student quality profile while also fostering access and diversity.

### RESEARCH AND ENGAGEMENT

UMass Dartmouth continued to strengthen its faculty in critical areas for growth of its research and engagement mission. An increased number of faculty have secured externally funded grants and research expenditures are at their highest level in five years. New laboratories opened as part of a \$12 million renovation project on the main campus to support interdisciplinary research, particularly in the areas of bioengineering and data sciences. A restructuring of our teacher preparation programs to better serve and engage with our K-12 partners in the region was

completed. UMass Dartmouth is ranked first in the President's Higher Education General Community Service Honor Finalist list and our students performed more than 201,000 hours of community service.

### STUDENT SUCCESS AND SATISFACTION

The one-year retention rate has improved from 70% in 2010 to 79% in 2014. UMass Dartmouth has developed an assertive program of interventions. The indicators for transfer student retention at 77% and improved graduation rates fill in the picture that is left incomplete by the standard measure for freshman success. NSSE information states 80% of the last semester seniors rated their educational experience as excellent or good. The rate increases to 84% when graduated seniors are asked the question on the Recent Graduate Survey (RGS) six months after graduation.

### DEGREES GRANTED

In 2014, UMass Dartmouth graduated 1,813 students with 1,926 degrees/certificates. Because 70% of our graduates remain in Massachusetts, the degrees granted make a direct, important contribution to the Commonwealth. The indicators for degrees granted and enrollments in Science, Technology, Engineering, and Mathematics and Health Care show our commitment to educating students in these fields.

UMass Dartmouth is still relatively new to doctoral education; overall, 77 Doctoral-Research/Scholarship degrees have been granted since 1997. The number does not include the Chemistry joint degrees that are conferred at Amherst and Lowell or the Doctoral-Professional degrees. With new doctoral programs now added, our goal to graduate more than 20 per year has been achieved and will continue. Doctoral enrollments have grown steadily, enhanced by the addition of the Juris Doctor degree and Doctorate of Nursing Practice.

### FINANCIAL HEALTH

A set of fiscal controls and processes are in place to ensure the achievement of full fiscal stability. A strategic plan, *UMassDTransform2020* was completed in FY 2014 and implementation began in Summer 2014. The plan will ensure that resources are aligned with academic goals and spending. UMass Dartmouth continues to explore new ways to grow revenues and control spending to create efficiencies. UMass Dartmouth has achieved a positive financial cushion during a time of constrained resources.

## 2015 ANNUAL INDICATORS AT A GLANCE

## ACADEMIC QUALITY

---

• Average HS GPA of Freshmen	3.15
• Average SAT Scores of Freshmen	
<i>Arithmetic Mean</i>	1029
<i>25<sup>th</sup>-75<sup>th</sup> Percentile</i>	940 - 1130
• Average GPA of Entering Transfers	3.1
• Student Satisfaction with Educational Experience	80%
• Student-Faculty Ratio	18:1
• Technology-Enhanced Classrooms	114
• Number of Doctoral Degrees Awarded	104
• Postdoctoral Appointees	3
• Total R&D Expenditures	\$28.2M
• Total R&D Expenditures per Faculty	\$93,440
• Total R&D Expenditures Ranking—Overall	208
• Total R&D Expenditures Ranking among Carnegie Peers/US Publics/Non-Medical	12
• Federal Research Expenditures	\$8.5M
• Patent Applications	3
• License Income	\$30,299
• Percent Tenured/Tenure-Track Faculty	51%
• New Tenured/Tenure-Track Faculty Hired	17
<i>As Percent of T/TT Faculty</i>	6%
• Change in Tenured/Tenure-Track Faculty	1
• Change in Faculty FTE	-9
• Full-time Instructional Faculty	
<i>Percent Faculty-of-Color</i>	24%
<i>Percent Women</i>	44%
• Faculty Awards	3
• National Academy Members	0

## ACCESS AND AFFORDABILITY

---

• Percent (In-state) Pell Grant Recipients	39%
--	-----

• Percent of Need Met for In-State Students Awarded Need-Based Aid	90%
• Average Student Debt Load (UG)	\$31,070
• Percent Graduating Class with Debt (UG)	81%
• Percent Undergraduates from MA	93%
• Enrollments in Online Courses	4,353
• Annual Growth in Online Course Enrollments	5.5%

## STUDENT SUCCESS AND SATISFACTION

---

• Percent Undergraduates who are Students of Color	30%
• Percent Undergraduates First Generation in College	
<i>Seniors, Parents High School or less</i>	30%
<i>Seniors, Neither Parent has Bachelors</i>	56%
<i>Freshmen, Parents High School or less</i>	29%
<i>Freshmen, Neither Parent has Bachelors</i>	49%
• Percent Undergraduates with English as a Second Language	11%
• Percent Undergraduates who are International	2%
• Total Number of Students who Participated in a Study Abroad Program	86
• Freshmen One-Year Retention Rate	79%
• Freshmen Four-Year Graduation Rate	28%
• Freshmen Six-Year Graduation Rate	47%
• Freshmen Six-Year Graduation Rate from another Institution (SAM)	additional 16%
• Transfer (Full-time) One-Year Retention Rate	77%
• Transfer (Upper Division) Four-Year Graduation Rate	71%
• Alumni Participation Rate (2-yr average)	5%

**SERVICE TO THE COMMONWEALTH**


---

• Incoming Class Composition	
• <i>Percent Freshmen</i>	73%
• <i>Percent Transfers</i>	27%
• Degree Completions	
• <i>Bachelor's</i>	1276
• <i>Master's</i>	398
• <i>Doctorates</i>	104
• Percent Alumni who Live in MA	70%
• Enrollment in STEM Programs	2,174 (24%)
<i>Undergraduate</i>	1,809(23%)
<i>Graduate</i>	363 (23%)
• Degrees Awarded in STEM Fields	310 (17%)
<i>Undergraduate</i>	226 (18%)
<i>Graduate</i>	84 (17%)
• Degrees Awarded in Healthcare Fields	164
• <i>Undergraduate</i>	141
• <i>Graduate</i>	23
• MTEL Science and Math Test-Takers	39

**FINANCIAL HEALTH**

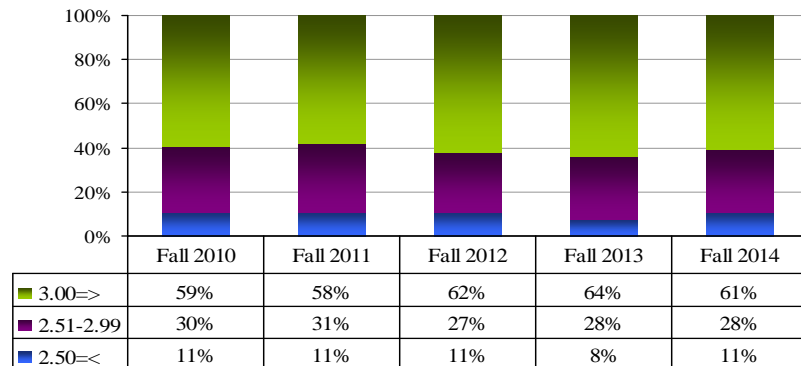

---

• Total Endowment Assets	\$49M
• Annual Growth in Endowment Assets	12%
• Endowment per Annualized Student FTE	\$6,199
• Private Funds Raised Annually	\$4.5M
• Primary Reserve	0.3%
• Debt Service to Operations	8.5%
• Deferred Maintenance per GSF	\$179

## ACADEMIC QUALITY

### High School GPA of Freshmen

UMass Dartmouth is succeeding in its goal of maintaining a strong student quality profile while also fostering access. These statistics include students who have entered through the long-standing and well-recognized alternative access program, College Now/START (127) and University Extension alternative admission program, Pathways (100).



Average HS GPA	Fall 2010	Fall 2011	Fall 2012	Fall 2013	Fall 2014
	3.13	3.16	3.20	3.31	<b>3.15</b>

### Average SAT Scores of Freshmen

The decrease in SAT composite average was as a result of a combination of the increase in the number of students admitted into the two UMass Dartmouth alternative admissions programs, College Now and Pathways and a change in the benefit awarded to Commonwealth Scholars that resulted in a lower cohort.

Average SAT Scores of Freshmen (UMD)	Fall 2010	Fall 2011	Fall 2012	Fall 2013	Fall 2014
75th Percentile	1130	1130	1140	1140	<b>1130</b>
25th Percentile	960	950	960	950	<b>940</b>
Average	1042	1034	1045	1042	<b>1029</b>

Average SAT Scores of Freshmen (Peers)	Peers Fall 2014
75th Percentile	<b>1194</b>
25th Percentile	<b>982</b>
Average	<b>1088</b>

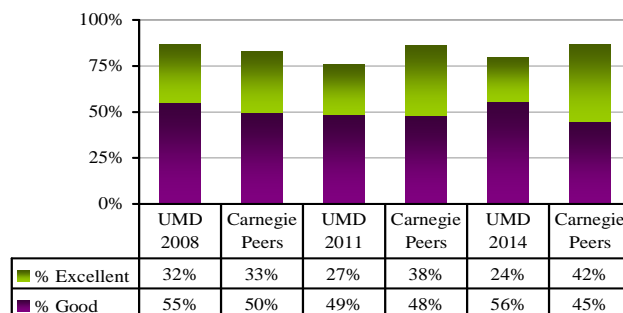
### Average GPA of Entering Transfer Students

The transfer grade point average has been maintained at a high level that is well above the Massachusetts Department of Higher Education minimum of 2.0.

Avg. GPA Entering Transfers	Fall 2010	Fall 2011	Fall 2012	Fall 2013	Fall 2014
	3.0	3.0	3.0	3.1	<b>3.1</b>

### Student Satisfaction with Educational Experience

Presented are responses to a survey question about overall educational experience in the NSSE nationwide survey. The increase in the overall percentage of students satisfaction of excellent/good from the 2011 to 2014 administration is encouraging. A similar question was asked of the AY 2014 graduating seniors six months after graduating and the percentage responding excellent/good increased to 83%.



### Student-Faculty Ratio

The student faculty ratio portrays the smaller classroom sizes. The calculation is based the full time equivalent (FTE) of both students and faculty, excluding graduate only programs and teaching assistants. School of Law, Marine Science & technology, and Education are excluded.

<i>Student-Faculty Ratio</i>	<i>Fall 2010</i>	<i>Fall 2011</i>	<i>Fall 2012</i>	<i>Fall 2013</i>	<i>Fall 2014</i>
<i>UMD</i>	19:1	19:1	18:1	18:1	<b>18:1</b>

### Technology-Enhanced Classrooms

Of classroom technologies maintained by the Information Tecnology department, 38% are either Advanced or High-Tech. The University is planning to increase the number of flipped classrooms in the next few years.

#### Traditional

Most classrooms have at least a basic set of technology such as a document camera, VCR/DVD, ceiling projector, screen, and audio. The output is controlled with a physical wall switch box.

#### Advanced

These classrooms have been upgraded to Crestron HDMI digital touch control panels simplifying the use for instructors. Some are equipped with Crestron AirMedia. Eight classrooms feature Echo360 lecture capture.

#### High-Tech

Flipped classrooms with non-traditional layout and interactive boards / several multimedia LED monitors.

#### Unknown

These spaces are not maintained by the Information Technology department.

<i>Technology-Enhanced Classrooms</i>	<i>AY 2014-15</i>	
	<i>Number of Class - rooms</i>	<i>Percent of Total</i>
<b>Traditional</b>	71	58%
<b>Advanced</b>	40	33%
<b>High-Tech</b>	3	2%
<b>Unknown</b>	8	7%
<b>Total Classrooms across all locations</b>	<b>122</b>	<b>100%</b>

### Doctoral Degrees Awarded

UMass Dartmouth is focused on the expansion of doctoral education. The professional practice doctoral degrees include Juris Doctor law degrees and Doctorate of Nursing Practice. Our goal is to graduate 20 per year has been achieved and should continue in our pursuit of Doctorate Carnegie designation.

<i>UMD Doctoral Degrees Awarded</i>	<i>2009-10</i>	<i>2010-11</i>	<i>2011-12</i>	<i>2012-13</i>	<i>2013-14</i>
<i>Research/Scholarship Doctorates</i>	3	5	7	13	<b>22</b>
<i>Professional Practice Doctorates</i>	NA	47	43	103	<b>82</b>
<i>Total Doctoral Degrees Awarded</i>	3	52	50	116	<b>104</b>

<i>Research/Scholarship Doctorates</i>	<i>2009-10</i>	<i>2010-11</i>	<i>2011-12</i>	<i>2012-13</i>	<i>2013-14</i>
<i>UMD</i>	3	5	7	13	<b>22</b>
<i>Peer Average</i>	58	54	60	63	<b>63</b>

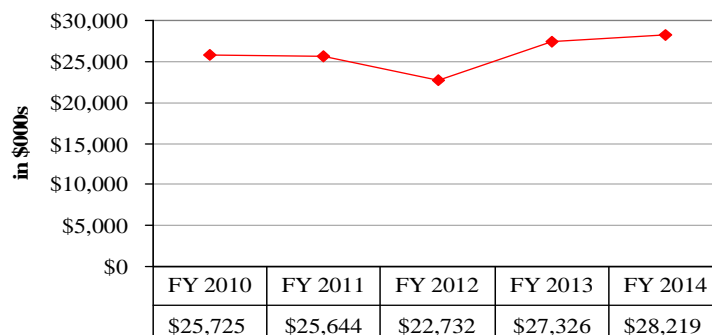
### Postdoctoral Appointees

UMass Dartmouth has a faculty union position entitled Research Associate into which most recent PhD researchers are hired (24 were employed in AY 2013-14). The title "Postdoc" does not encompass the scope of our research involvement of new PhDs.

<i>Postdoctoral Appointees</i>	2009-10	2010-11	2011-12	2012-13	2013-14
<i>UMD</i>	6	4	3	2	3

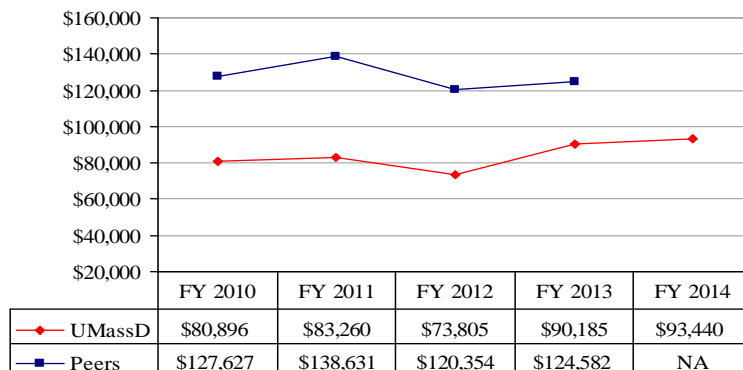
### Total Research and Development (R&D) Expenditures

UMass Dartmouth's research expenditures are at their highest level in five years. We expect steady growth in expenditures due to the increase in competitively awarded grant funding that has already occurred and that is expected to continue.



### Total R&D Expenditures per Tenure System Faculty

The percentage of tenure system faculty who secure externally funded grants has grown dramatically in recent years. This metric is expected to increase as our researchers mature into their most productive years. New comparative and aspirant peers are included here, some of which are Doctoral Research Carnegie level.



### R&D Expenditures Rankings

Our rank in the overall national rankings of US public schools has improved significantly and we are maintaining our Top 20 status within the Master's - large program Carnegie Classification. Expenditures exclude any medical school expenses.

<i>Total R&amp;D Expenditures Rank</i>	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013
<i>Overall Ranking</i>	NA	NA	224	229	<b>208</b>
<i>Ranking based on Carnegie Peers</i>	15	13	16	15	<b>12</b>

*n.b. Ranking based on Carnegie Peers is further standardized by US Publics and Non-Medical Schools.*

### Federal Research Expenditures

After the recent decline in federal funding resulting from the end of earmarks, this year's federal R&D funding will be higher than last year's and the upward trend is expected to continue in the coming years.

<i>Federal R&amp;D Expenditures (\$000's)</i>	<i>FY 2010</i>	<i>FY 2011</i>	<i>FY 2012</i>	<i>FY 2013</i>	<i>FY 2014</i>
<i>UMD</i>	\$12,236	\$13,657	\$10,979	\$8,860	<b>\$8,549</b>
<i>Peers</i>	\$23,297	\$26,091	\$24,932	\$23,080	<b>NA</b>

### Patent Applications

The increased number of patent applications filed is an indicator of an institution's inventiveness and the commercial potential of its academic work.

<i>Patent Applications</i>	<i>FY 2010</i>	<i>FY 2011</i>	<i>FY 2012</i>	<i>FY 2013</i>	<i>FY 2014</i>
	2	3	1	4	<b>3</b>

### License Income

Increased license income is a measure of the economic value of an institution's inventiveness and a contributor to the University's economic health.

<i>License Income</i>	<i>FY 2010</i>	<i>FY 2011</i>	<i>FY 2012</i>	<i>FY 2013</i>	<i>FY 2014</i>
	\$36,482	\$26,481	\$31,093	\$33,540	<b>\$30,299</b>

### Percent Tenured/Tenure-Track Faculty

The university has been contracting less with part time lecturers and investigating more in full time tenure system faculty.

<i>Percent Tenured/Tenure-track Faculty</i>	<i>Fall 2010</i>	<i>Fall 2011</i>	<i>Fall 2012</i>	<i>Fall 2013</i>	<i>Fall 2014</i>
<i>% Tenured/Tenure-track</i>	50%	48%	46%	48%	<b>51%</b>
<i>% Non Tenure-track/PT</i>	50%	52%	54%	52%	<b>49%</b>

### New Tenured/Tenure-Track Faculty Hired

UMass Dartmouth's ongoing goal is to strengthen faculty. This year faculty hires included five in Science, Technology, Engineering, and Mathematics (STEM), four in Education, three in social sciences, and two in both business and humanities, and one in law.

<i>New Tenured/Tenure-Track Faculty Hired</i>	<i>AY 2010-11</i>	<i>AY 2011-12</i>	<i>AY 2012-13</i>	<i>AY 2013-14</i>	<i>AY 2014-15</i>
	28	11	10	12	<b>17</b>



### New Tenured/Tenure-Track Faculty Hired as Percent of All Tenured-track Faculty

Six percent of the current tenure system faculty were hired this fall. This year's increase reflects our commitment to more tenure system faculty. Fall 2010 is when we acquired the University of Massachusetts School of Law Dartmouth and accounts for the large number of hires.

<i>New T/TT Faculty as Percent of Total</i>	<i>Fall 2010</i>	<i>Fall 2011</i>	<i>Fall 2012</i>	<i>Fall 2013</i>	<i>Fall 2014</i>
<i>Total T/TT Faculty</i>	320	308	303	302	<b>303</b>
<i>Total New Hires</i>	28	11	10	12	<b>17</b>
<i>Percent of Total</i>	9%	4%	3%	4%	<b>6%</b>

### Change in Tenured/Tenure-Track Faculty

Growth in our tenure and tenure-track faculty is critical for achieving the University's research and engagement goals. Resources were conserved this year in order to prepare for a significant investment in faculty to support *UMASSDTransform2020*, the strategic plan.

<i>Change in T/TT Faculty</i>	<i>Fall 2010</i>	<i>Fall 2011</i>	<i>Fall 2012</i>	<i>Fall 2013</i>	<i>Fall 2014</i>	<i>1-year Change</i>
	320	308	303	302	<b>303</b>	<b>0.3%</b>

### Change in Faculty FTE

This indicator shows the difference in the total FTE of instruction from one fall semester to the next. Not included are individuals whose primary responsibility is administrative or teaching assistants. This years decline is due to less reliance on part time faculty.

<i>Change in Faculty FTE</i>	<i>Fall 2010</i>	<i>Fall 2011</i>	<i>Fall 2012</i>	<i>Fall 2013</i>	<i>Fall 2014</i>	<i>1-year Change</i>
	451	465	470	458	<b>449</b>	<b>-2.0%</b>

### Faculty by Race and Gender

This metric reflects the demographic percentages of our full time faculty both tenure/tenure track and full time lecturers. The rates of both faculty of color and women have increased since last year. The peak year was Fall 2012.

<i>Full-Time Instructional Faculty</i>					
<i>Faculty of Color</i>	<i>Fall 2010</i>	<i>Fall 2011</i>	<i>Fall 2012</i>	<i>Fall 2013</i>	<i>Fall 2014</i>
<i>Number</i>	73	81	90	71	<b>81</b>
<i>Percent</i>	21%	23%	25%	22%	<b>24%</b>
<i>Women Faculty</i>	<i>Fall 2010</i>	<i>Fall 2011</i>	<i>Fall 2012</i>	<i>Fall 2013</i>	<i>Fall 2014</i>
<i>Number</i>	153	162	166	158	<b>165</b>
<i>Percent</i>	41%	43%	44%	42%	<b>44%</b>

*n.b. Faculty of Color based on US Citizens/Permanent Residents reporting Race/Ethnicity according to new IPEDS definitions.*

*Does not include Unknowns and Non Resident Aliens.*

### Faculty Awards

UMass Dartmouth in 2010 was named a "Fulbright Top-Producing Institution." Although this indicator regards faculty, a UMass Dartmouth students also have earned Fulbright teaching assistantships. When using the larger list of awards from *Academic Analytics*, this number will increase.

<i>Faculty Awards</i>	2010	2011	2012	2013	2014
	6	5	2	4	3

### National Academy Members

UMass Dartmouth does not yet have any members in the National Academies.

<i>National Academy Members</i>	2010	2011	2012	2013	2014
	0	0	0	0	0

## ACCESS AND AFFORDABILITY

### Percent (In-State) Pell Grant Recipients

This indicator represents the access that UMass Dartmouth offers to in-state low-income undergraduate students. The results show an increasing proportion of these students among our freshman entering class, reflecting our increasing mission of access.

<i>Percent (In-State) Pell Grant Recipients</i>	Fall 2009	Fall 2010	Fall 2011	Fall 2012	Fall 2013
	30%	37%	37%	39%	39%

### Percent Need Met for In-State Students Awarded Need-Based Aid

To support access and affordability, UMass Dartmouth has dedicated a significant percentage of institutional funding to provide need-based aid to undergraduate students. Increases in tuition, fees, on campus housing costs, and downturn in the economy impacted the percentage of need met for AY 2012-13.

<i>Percent Need Met (In-State)</i>	2009-10	2010-11	2011-12	2012-13	2013-14
	90%	89%	88%	86%	90%

### Student Debt Load of Graduating Class (UG)

The increase in average student debt load and percentage of students who graduated with debt, is a reflection of a combination of the growing number of Pell Grant recipients at UMass Dartmouth, rising costs, economic conditions and improved retention during the time the cohort attended, all of which forced families to finance the cost of education.

	2010	2011	2012	2013	2014
<i>Average Debt Load</i>	\$22,229	\$23,200	\$32,349	\$29,311	\$31,070
<i>Percent Graduating Class with Debt</i>	75%	80%	76%	81%	81%

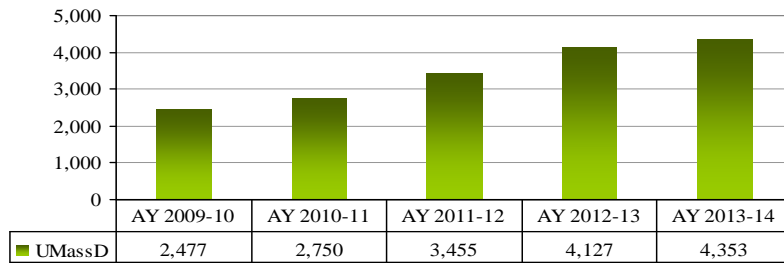
**Percent Undergraduates From Massachusetts**

UMass Dartmouth has predominately served an in-state population with only 7% from out-of-state. Our goal is to increase the percentage of out of state students. Many students come from the southeastern region of Massachusetts.

<i>Percent Undergraduates from Massachusetts</i>	<i>Fall 2010</i>	<i>Fall 2011</i>	<i>Fall 2012</i>	<i>Fall 2013</i>	<i>Fall 2014</i>
<i>Number</i>	7,400	7,213	7,120	6,975	<b>6,945</b>
<i>Percent</i>	95%	95%	94%	94%	<b>93%</b>

**Online Course Registrations**

UMass Dartmouth continues to experience increases in online registrations. The campus has made a large investment in online degree program development to accelerate our growth in this critical area.



**Annual Growth in Online Course Registrations**

Although there is a drop in annual growth, the strengthening of online registrations continues a five-year upward trend. A large investment is being made in online recruitment, infrastructure, and support.

<i>Annual Growth in Online Course Enrollments</i>	<i>AY 2009-10</i>	<i>AY 2010-11</i>	<i>AY 2011-12</i>	<i>AY 2012-13</i>	<i>AY 2013-14</i>
	-1.7%	11.0%	25.6%	19.5%	<b>5.5%</b>

**STUDENT SUCCESS AND SATISFACTION**

**Percent Undergraduates who are Students of Color**

The diversity of UMass Dartmouth's student body continues to expand, with 29.6% students of color. This reflects the University's ability to recruit and enroll highly qualified students of all types.

<i>Percent UGs Students of Color</i>	<i>Fall 2010</i>	<i>Fall 2011</i>	<i>Fall 2012</i>	<i>Fall 2013</i>	<i>Fall 2014</i>
<i>Number</i>	1,401	1,623	1,755	1,886	<b>2,016</b>
<i>Percent</i>	19.5%	22.6%	25.0%	27.3%	<b>29.6%</b>

### Percent Undergraduates who are First Generation in College

Over half of the graduating seniors are the first generation of their family to complete a four-year degree. Senior students percentages, which includes transfers, demonstrate *success* in persistence to graduation. Freshman students percentages show the *access* UMass Dartmouth provides to a college education. Forty nine percent come from households in which neither parent has completed a four-year degree.

<b>Percent UGs First Generation in College</b>	<i>Fall 2010</i>	<i>Fall 2011</i>	<i>Fall 2012</i>	<i>Fall 2013</i>	<b><i>Fall 2014</i></b>
<i>1st Generation Seniors (Parents HS or less)</i>	30%	27%	27%	27%	<b>30%</b>
<i>1st Generation Seniors (Neither Parent has Bachelors)</i>	55%	55%	55%	55%	<b>56%</b>
<i>1st Generation Freshmen (Parents HS or less)</i>	27%	26%	25%	25%	<b>29%</b>
<i>1st Generation Freshmen (Neither Parent has Bachelors)</i>	46%	44%	43%	42%	<b>49%</b>

### Percent Undergraduates with English as a Second Language

With growth in the diversity of the student population, 11% of the new freshmen for 2014 reported that they were from a home in which English is not the primary language spoken.

<b>Percent UGs ESL</b>	<i>Fall 2010</i>	<i>Fall 2011</i>	<i>Fall 2012</i>	<i>Fall 2013</i>	<b><i>Fall 2014</i></b>
<i>Percent</i>	9.7%	8.6%	8.1%	11.1%	<b>11.0%</b>

### Percent Undergraduates who are International

Strategic efforts to increase the global diversity of our campus have resulted in a large increase of international undergraduate students, more than doubling the number in three years. This trend is expected to continue with the Navitas and upcoming ESL programs.

<b>Percent UGs International</b>	<i>Fall 2010</i>	<i>Fall 2011</i>	<i>Fall 2012</i>	<i>Fall 2013</i>	<b><i>Fall 2014</i></b>
<i>Number</i>	27	69	114	127	<b>152</b>
<i>Percent</i>	0.3%	0.9%	1.5%	1.7%	<b>2.0%</b>

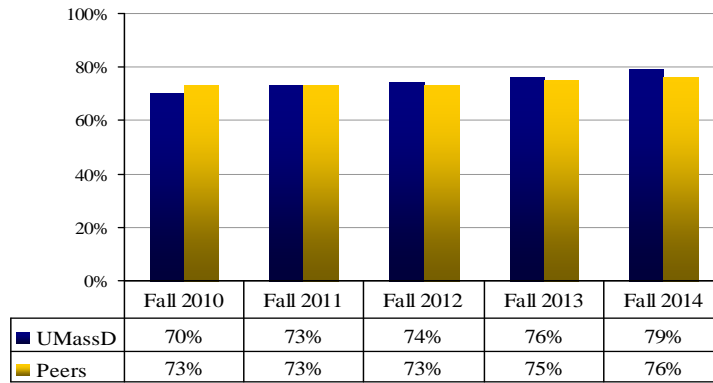
### Number who Participated in a Study Abroad Program

One percent of UMass Dartmouth's undergraduates study abroad, matching the nationwide average. These data include only study abroad that directly awards credit. UMass Dartmouth also sponsors additional students in a growing number of travel/work/service activities that do not award credit. Graduate students, although limited, are included here.

<b>Total Number of Students who participated in Study Abroad</b>	<i>Fall 09 - Summer 10</i>	<i>Fall 10 - Summer 11</i>	<i>Fall 11 - Summer 12</i>	<i>Fall 12 - Summer 13</i>	<b><i>Fall 13 - Summer 14</i></b>
	64	87	119	106	<b>86</b>

**Freshman One-Year Retention Rate**

First to second year retention rates improved by three percentage points, which is also the amount higher than the University's peer group. The peer group only realized a single percentage point increase. New and enhanced interventions will continue to assist with achieving the long-range goal of 80% on this measure.



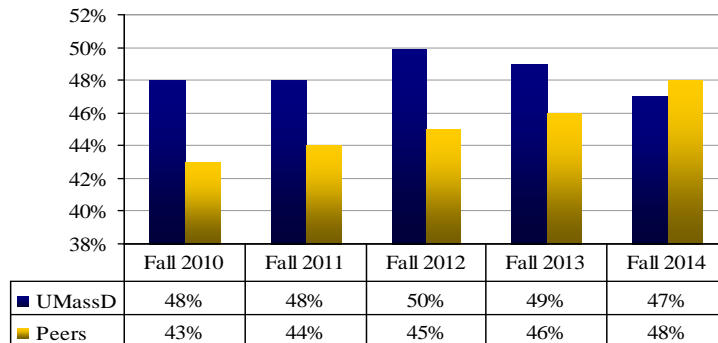
**Four -Year Graduation Rates**

The metric displays the most current cohorts to have completed degrees in four years. This further indicates that the six year graduation rates should be level for the next several years.

<i>4-Yr Graduation Rates</i>	2010	2011	2012	2013	2014
<i>Cohort Entering Year</i>	(2006)	(2007)	(2008)	(2009)	(2010)
<i>4-Year Graduation Rate</i>	30%	32%	28%	28%	<b>28%</b>

**Freshman Six-Year Graduation Rate**

UMass Dartmouth's six-year graduation rates are slightly down from the previous year by two percentage points. There may be a few more years before the graduation increases due to lower retention rates in the upcoming cohorts. UMass Dartmouth continues to strive for higher graduation rates for its undergraduates.



### Transfer (Full-Time) One-Year Retention Rate

UMass Dartmouth's transfer one-year retention rate has dropped by one percentage points. Improved transfer advising and support will improve the retention and success of this increasingly important student group. University Extension transfers are included in the rate starting Fall 2014 which could account for the decrease.

<i>Transfers (Full-time) One-Year Retention Rate</i>	<i>Fall 2010</i>	<i>Fall 2011</i>	<i>Fall 2012</i>	<i>Fall 2013</i>	<i>Fall 2014</i>
		77%	78%	80%	78%

### Transfer (Upper Division) Four-Year Graduation Rate

This indicator shows that 71% percent of the full-time upper division transfer students who entered with 60 or more credits in Fall 2010 (118 students) had completed their program by Fall 2014. The total number of students in the full-time group is small and generally less than 30% of the entire entering transfer cohort. This year's rate is the highest rate in the last five years.

<i>Transfers (Upper Division) Four-Year Graduation Rate</i>	<i>Fall 2010</i>	<i>Fall 2011</i>	<i>Fall 2012</i>	<i>Fall 2013</i>	<i>Fall 2014</i>
		64%	66%	63%	69%

### Student Achievement Measure (SAM Data - Bachelor's Seeking Model)

The SAM data is an overall indication of how the university is serving our students. Even though students may not graduated from here, we contributed to their success elsewhere. These graduation rates are slightly lower due to late posting of some degrees.

FIRST-TIME FULL-TIME FRESHMEN						
<i>Number of Students in Cohort: 1768</i>				<i>GRADUATED WITHIN</i>		
<i>Outcomes for Student Starting at UMassD in Fall 2008 by Summer 2014</i>	<i>2008-09</i>	<i>2009-10</i>	<i>2010-11</i>	<i>4 YRS.</i>	<i>5 YRS.</i>	<i>6 YRS.</i>
<i>Bachelor's degree from UMassD</i>	0%	0%	0%	28%	41%	44%
<i>Associate degree from UMassD</i>	NA	NA	NA	NA	NA	NA
<b><i>Total Graduated from UMassD</i></b>	<b>0%</b>	<b>0%</b>	<b>0%</b>	<b>28%</b>	<b>41%</b>	<b>44%</b>
<i>Bachelor's degree from another Institution</i>	0%	0%	0%	6%	11%	14%
<i>Associate degree from another Institution</i>	0%	0%	1%	2%	2%	2%
<b><i>Total Graduated from another Institution</i></b>	<b>0%</b>	<b>0%</b>	<b>1%</b>	<b>8%</b>	<b>13%</b>	<b>16%</b>
<b><i>Enrolled at UMassD</i></b>	<b>98%</b>	<b>72%</b>	<b>59%</b>	<b>28%</b>	<b>10%</b>	<b>3%</b>
<i>Enrolled at Another 4-yr Institution</i>	0%	11%	17%	13%	8%	4%
<i>Enrolled at Another 2-yr Institution</i>	1%	9%	8%	6%	5%	4%
<b><i>Total Transferred and Enrolled at another Institution</i></b>	<b>1%</b>	<b>20%</b>	<b>25%</b>	<b>19%</b>	<b>13%</b>	<b>8%</b>
<b><i>Current Status Unknown</i></b>	<b>1%</b>	<b>8%</b>	<b>15%</b>	<b>17%</b>	<b>23%</b>	<b>29%</b>

### Alumni Participation Rate

The data shown reflect 2 year averages of the alumni participation rates as reported to the US News World and Report Best Colleges publication. Our most recent one year alumni participation rate for FY 2014 is 4%. With the recent hire of an Annual Giving Director, the expectation is to increase the participation rate (donors) in the upcoming years.

<i>Alumni Participation Rate</i>	<i>FY 2010</i>	<i>FY 2011</i>	<i>FY 2012</i>	<i>FY 2013</i>	<i>FY 2014</i>
	7%	7%	7%	6%	5%

### SERVICE TO THE COMMONWEALTH

#### Incoming Class Composition

The university's goal is to increase the number of incoming transfers. The number of new transfers entering has increased by 17% since Fall 2010. Transfers now are more than a quarter of the total incoming class. The data includes alternative admission programs College Now/START and Pathways along with University Extension admits.

<i>Incoming Class Composition</i>	<i>Fall 2010</i>	<i>Fall 2011</i>	<i>Fall 2012</i>	<i>Fall 2013</i>	<i>Fall 2014</i>
<i>Total Incoming Class</i>	2,176	2,023	2,062	2,109	<b>2,059</b>
<i>Entering Freshmen</i>	1,707	1,570	1,576	1,519	<b>1,509</b>
<i>Percent Entering Freshmen</i>	78%	78%	76%	72%	<b>73%</b>
<i>Transfers</i>	469	453	486	590	<b>550</b>
<i>Percent Transfers</i>	22%	22%	24%	28%	<b>27%</b>

#### Degree Completions

The number of degree completions increases each year especially in the Research/Scholarship Doctorate category. All levels have shown increases with the exception of the Juris Doctorate. We have reached the goal of 20 R/S Doctorates and will sustain this number to reach the Carnegie classification of Doctorate Research. Certificates are not included here.

<i>Degree Completions</i>	<i>2009-10</i>	<i>2010-11</i>	<i>2011-12</i>	<i>2012-13</i>	<i>2013-14</i>
<i>Bachelor's degrees</i>	1299	1364	1292	1241	<b>1276</b>
<i>Masters degrees</i>	288	333	345	357	<b>398</b>
<i>Doctoral degrees</i>	3	52	50	116	<b>104</b>
<i>Res./Sch. Doctorates</i>	3	5	7	13	<b>22</b>
<i>Professional Practice Doctorates</i>	NA	47	43	103	<b>82</b>
<i>Total Degrees</i>	1590	1749	1687	1714	<b>1778</b>

#### Percent Alumni who Live in Massachusetts

This indicator demonstrates our commitment to educational achievement in the Commonwealth. UMass Dartmouth maintains a strategic balance between regional, state, national, and international alumni, appropriate to our mission.

<i>Percent Alumni Who Live in MA</i>	<i>Fall 2010</i>	<i>Fall 2011</i>	<i>Fall 2012</i>	<i>Fall 2013</i>	<i>Fall 2014</i>
<i>Undergraduate</i>	73%	75%	76%	72%	<b>72%</b>
<i>Graduate</i>	46%	54%	61%	67%	<b>56%</b>
<i>All</i>	71%	73%	75%	69%	<b>70%</b>

## Enrollment in STEM Fields

This indicator demonstrates our steady commitment to educating students in Science, Technology, Engineering, and Mathematics (STEM) fields. The Science & Mathematics Access to Retain Talent (START) program and appropriate certificates are also included here.

### Undergraduate

<i>Enrollment</i>	<i>Fall 2010</i>	<i>Fall 2011</i>	<i>Fall 2012</i>	<i>Fall 2013</i>	<i>Fall 2014</i>
<i>Total</i>	7,734	7,567	7,532	7,402	<b>7,879</b>
<i>STEM</i>	1,654	1,625	1,648	1,772	<b>1,809</b>
<i>Percent STEM</i>	21%	21%	22%	24%	<b>23%</b>

### Graduate

<i>Enrollment</i>	<i>Fall 2010</i>	<i>Fall 2011</i>	<i>Fall 2012</i>	<i>Fall 2013</i>	<i>Fall 2014</i>
<i>Total</i>	1,529	1,514	1,524	1,542	<b>1,579</b>
<i>STEM</i>	360	367	324	326	<b>363</b>
<i>Percent STEM</i>	24%	24%	21%	21%	<b>23%</b>

### Total Enrollment

<i>Enrollment</i>	<i>Fall 2010</i>	<i>Fall 2011</i>	<i>Fall 2012</i>	<i>Fall 2013</i>	<i>Fall 2014</i>
<i>STEM</i>	2,021	2,003	1,993	2,107	<b>2,174</b>
<i>Percent STEM</i>	21%	22%	22%	23%	<b>24%</b>

### Certificates

<i>Enrollment</i>	<i>Fall 2010</i>	<i>Fall 2011</i>	<i>Fall 2012</i>	<i>Fall 2013</i>	<i>Fall 2014</i>
<i>Total</i>	169	144	154	109	<b>114</b>
<i>STEM</i>	7	11	21	9	<b>2</b>
<i>Percent STEM</i>	4%	8%	14%	8%	<b>2%</b>

## Degrees and Certificates Awarded in STEM Fields

Science, Technology, Engineering, and Mathematics (STEM) graduates enter the workforce or pursue further education across the range of science, engineering, and mathematics fields.

Note that the addition of new non-STEM graduate programs, such as Law, has lowered the percentage of graduate STEM within the total, although the number of STEM graduate degrees are holding relatively steady.

### Undergraduate

<i>Degrees</i>	<i>2009-10</i>	<i>2010-11</i>	<i>2011-12</i>	<i>2012-13</i>	<i>2013-14</i>
<i>Total Degrees</i>	1,273	1,328	1,251	1,241	<b>1,276</b>
<i>STEM</i>	205	226	228	220	<b>226</b>
<i>Percent STEM</i>	16%	17%	18%	18%	<b>18%</b>

### Graduate

<i>Degrees</i>	<i>2009-10</i>	<i>2010-11</i>	<i>2011-12</i>	<i>2012-13</i>	<i>2013-14</i>
<i>Total Degrees</i>	291	385	395	473	<b>502</b>
<i>STEM</i>	77	85	75	94	<b>84</b>
<i>Percent STEM</i>	26%	22%	19%	20%	<b>17%</b>

### Total Degrees

	<i>2009-10</i>	<i>2010-11</i>	<i>2011-12</i>	<i>2012-13</i>	<i>2013-14</i>
<i>STEM</i>	282	311	303	314	<b>310</b>
<i>Percent STEM</i>	18%	18%	18%	18%	<b>17%</b>

### Certificates

	<i>2009-10</i>	<i>2010-11</i>	<i>2011-12</i>	<i>2012-13</i>	<i>2013-14</i>
<i>Total Certs.</i>	25	64	46	85	<b>44</b>
<i>STEM</i>	1	0	3	6	<b>5</b>
<i>Percent STEM</i>	4%	0%	7%	7%	<b>11%</b>



**Degrees and Certificates Awarded in Healthcare Fields**

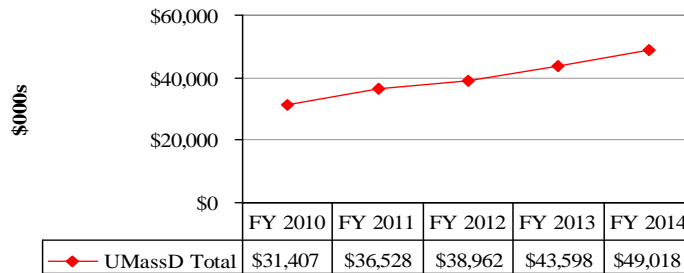
Along with the STEM professions, health care is another prospering career that is generating attention nationwide. Nursing and Medical Laboratory Science are shown here. Certificates reflect the Pre-Med and Mental Health for undergraduates and phasing out of Nursing on the graduate level.

<i>Health Care Degrees and Certificates</i>	<i>2009-10</i>	<i>2010-11</i>	<i>2011-12</i>	<i>2012-13</i>	<i>2013-14</i>
<i>Bachelor's degrees</i>	163	159	134	151	<b>141</b>
<i>Masters degrees</i>	18	12	27	25	<b>18</b>
<i>Doctoral degrees</i>	0	0	1	1	<b>5</b>
<i>Res./Sch. Doctorates</i>	0	0	1	1	<b>2</b>
<i>Professional Practice Doctorates</i>	0	0	0	0	<b>3</b>
<i>Total Degrees</i>	181	171	162	177	<b>164</b>
<i>Total Certificates</i>	1	1	0	25	<b>7</b>

**FINANCIAL HEALTH**

**Endowment Assets and Annual Growth in Endowment**

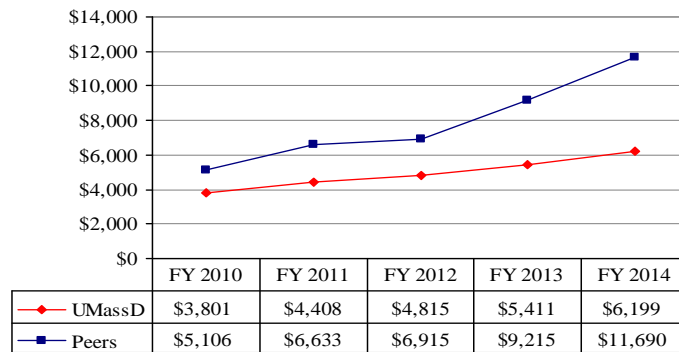
With additional funds allocated to fundraising, the campus anticipates endowment growth. Due to a focused effort on fundraising activities, endowment has shown steady growth over the last three fiscal years.



<i>Growth in Endowment</i>	<i>FY 2010</i>	<i>FY 2011</i>	<i>FY 2012</i>	<i>FY 2013</i>	<i>FY 2014</i>
	14%	16%	7%	12%	<b>12%</b>

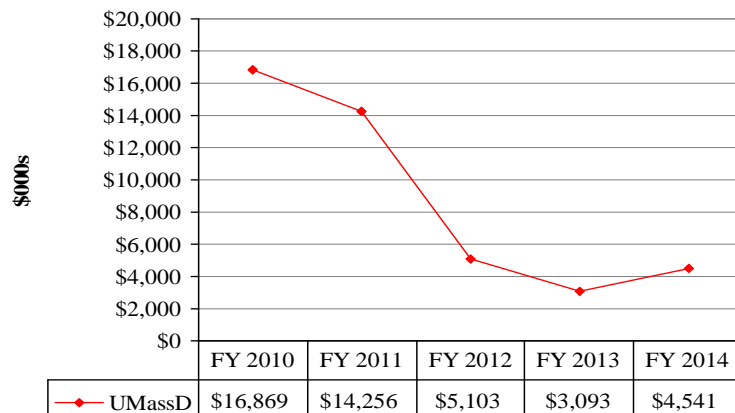
**Endowment per Annualized Student FTE**

The endowment per student ratio reflects a base from which earnings can contribute to current operations. In addition, unrestricted endowments contribute to the non-expendable fund balance, which greatly affects the financial cushion. The 14.5% increase for FY 2014 indicates a continuation of this growth.



**Private Funds Raised Annually**

The private funds indicator gauges UMass Dartmouth's success in raising funds from private sources (alumni and other individuals, foundations, corporations and other organizations) to support its mission. Fiscal year 2010 included the one-time \$8.2M gift of real property for the Law School, and Fiscal year 2011 included an additional \$5.6M in law books and furniture. That said, the FY 2011 number actually shows an increasing trend across time. The campus expects revenues from this area to increase consistently. This can be attributed to past and continuing campus investments in the Advancement Office. A decline in FY 2013 can be partially attributed to donor restraint, which often occurs during institutional leadership transitions. The FY 2014 increases of 47% is due to the increase of positiona of Directors of Development in the Advancement office and the completion of the Charlton College of Business campaign.



**Primary Reserve**

The financial cushion reflects long-term financial health of the institution and its ability to weather, or "cushion" itself from short-term operational ups and downs. The current ratio is much improved over that of ten years ago when this ratio was -7.2% and the campus had a deficit of \$9,055,000 in "Unrestricted Net Assets." The campus has succeeded in bringing the financial cushion to a positive number by increasing reserves during difficult economic times.

Primary Reserve	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014
UMD	4.5%	5.4%	4.8%	4.5%	0.3%
Peers	NA	NA	NA	NA	NA

### Debt Service to Operations

The recent borrowing of \$62M in FY 2011 afforded the University to move forward with construction of a biomanufacturing plant, construction of a Marine Science building, renovations to laboratories, renovations to residence halls, and expansion of the fitness center. Full impact of debt for these projects will be realized in FY 2013. This ratio is expected to fluctuate at the 8% level. As old debt continues to retire, the campus will manage a balance between investment in physical plant and maintaining a healthy debt portfolio.

<i>Debt Service to Operations</i>	<i>FY 2010</i>	<i>FY 2011</i>	<i>FY 2012</i>	<i>FY 2013</i>	<i>FY 2014</i>
<i>UMD</i>	8.6%	8.3%	7.6%	8.7%	<b>8.5%</b>
<i>Peers</i>	NA	NA	NA	NA	NA

### Deferred Maintenance per GSF

This ratio quantifies the average dollar level of deferred maintenance work needed per square foot of space. This ratio uses cost information of deferred and other maintenance dollars needed to address maintenance and code work that would be mandated to allow the campus to continue to use the space once the repairs were complete. As our buildings age and deteriorate, deferred maintenance cost per square foot will continue to rise unless spending in this area keeps pace with deterioration.

<i>Deferred Maintenance per GSF</i>	<i>FY 2010</i>	<i>FY 2011</i>	<i>FY 2012</i>	<i>FY 2013</i>	<i>FY 2014</i>
	\$162	\$170	\$176	\$175	<b>\$179</b>

## DEFINITIONS AND SOURCES

---

### ACADEMIC QUALITY INDICATORS

**Average High School GPA of Freshmen.** Cumulative GPA for college preparatory courses with additional weight to honors and AP courses, according to DHE admissions policy, reported on all first-year students.

**Average SAT Scores of Freshmen.** Arithmetic Mean of SAT scores of all first-year students, and 25<sup>th</sup>, 75<sup>th</sup> percentiles. Peer data are from IPEDS. Peer means are expressed as the average of 25<sup>th</sup> and 75<sup>th</sup> percentiles.

**Average GPA of Entering Transfer Students.** Average GPA for college level courses transferred to UMD according to admissions policy.

**Student-Faculty Ratio.** The ratio of FTE students to FTE instructional faculty. Faculty and students in stand-alone graduate or professional programs such as medicine, law, veterinary, dentistry, social work, business, and public health in which faculty teach virtually only graduate-level students are excluded. Teaching assistants are not counted as faculty. Data and definition are from CDS.

**Student Satisfaction with Educational Experience.** Percent of seniors who responded “good” or “excellent” to the question, “How would you evaluate your entire educational experience at this institution?” on the National Survey of Student Engagement administered in Spring 2011. Peer data are the Carnegie Classification-Master’s Colleges and Universities (larger programs) that participated in NSSE.

**Technology-Enhanced Classrooms.** Classification of the campus’s total classroom capacity in terms of the level of technology-support. Categories of classification are campus-specific.

**Doctoral Degrees Awarded.** Number of Doctorates awarded for AY 2013-14, which includes September 2013, January 2014, and May 2014 award dates. These include both Research/Scholarship and Professional Practice Doctorates. Peer comparison data are based on Research/Scholarship doctorates only.

**Postdoctoral Appointees.** The number of postdoctoral appointees as reported to NSF.

**Total Research and Development Expenditures.** R&D expenditures in all academic fields, from all sources (federal, state, local governments, industry, private and institutional) as reported to NSF.

**Total R&D Expenditures per Tenure System Faculty.** R&D expenditures in all academic fields, from all sources

(federal, state, local governments, industry, private and institutional) as reported to NSF, divided by total tenure system faculty as reported to IPEDS. Peer data are from NSF/IPEDS and include aspirant peers.

**Total R&D Expenditures Ranking.** Annual NSF ranking of Total R&D expenditures, for all postsecondary institutions participating in the NSF HERD Survey. Data source NCES WebCaspar/NSF HERD data tables.

**Total R&D Expenditures Ranking Among Carnegie Peers, US Publics, Non-Medical Institutions.** UMass Dartmouth’s rank in the annual NSF ranking of Total R&D expenditures among public institutions of higher education with a Carnegie classification of “Masters Colleges and Universities” and with no medical school. Data source NCES WebCaspar/NSF HERD data tables. Ranking computed by campus.

**Federal Research Expenditures.** R&D expenditures in all academic fields, from all federal sources, as reported to NSF. Peer data are from NSF and include aspirant peers.

**Patent Applications.** Number of U.S. Patent applications filed per year. Data reported by campuses to UMass President’s Office, Office of CVIP.

**License Income.** Amount of annual income from license agreements. Data reported by campuses to UMass President’s Office, Office of CVIP.

**Percent Tenured/Tenure-Track Faculty** - Percentage based on ratio of Tenure-stream Faculty FTE to Total Faculty FTE.

**New Tenured/Tenure-Track Faculty Hired.** The number of new tenured/tenure-track faculty members hired to start their new positions in the academic year.

**New Tenured/Tenure-Track Faculty Hired as Percent of All Tenured/Tenure-Track Faculty.** Definition of 'New' Hires per IPEDS Definitions. Number of 'Newly hired' Tenured/Tenure-track faculty divided Total Tenured/Tenure-track Faculty of an IPEDS reporting cycle.

**Change in Tenured/Tenure-Track Faculty.** The difference in the number of tenured and tenure track faculty from one Fall semester to the next. Counts include faculty on paid leave but not those whose responsibilities are primarily administrative.

**Change in Total Faculty FTE.** The difference in the total FTE, from one Fall semester to the next, for all full-

time and part-time instructional faculty teaching courses. Includes faculty members who are on paid leave. Does not include individuals whose primary responsibility is administrative. Definition of Faculty FTE is per the Common Data Set, and includes all faculty teaching credit courses, including credit courses offered via University Extension.

**Percent Faculty-of-Color (based on Full-time Instructional Faculty).** The proportion of full-time instructional staff who are U.S. citizens or permanent residents and report their race/ethnicity to be one or more of the following: Hispanic/Latino, American Indian or Alaska Native, Asian, Black or African-American, Native Hawaiian or Other Pacific Islander, or Two or More Races. Race/ethnicity definition is based on IPEDS.

**Percent Women Faculty (based on Full-time Instructional Faculty).** The proportion of full-time instructional staff who identify themselves as female.

**Faculty Awards.** Number of faculty with new awards from a list of 24 prominent grant and fellowship programs in the arts, humanities, science, engineering and health fields (e.g., Fulbright American Scholars, Guggenheim Fellows, MacArthur Foundation Fellows, National Endowment for the Humanities Fellows, NSF Career Awards, Sloan Research Fellows). Data reported in *The Top American Research Universities* and were obtained from directories or web-based listings.

**National Academy Members.** Number of faculty with active or emeritus status who have been elected to membership in the National Academy of Sciences, the National Academy of Engineering, or the Institute of Medicine. Data reported in *The Top American Research Universities*.

## ACCESS AND AFFORDABILITY INDICATORS

**Percent (In State) Pell Grant Recipients.** Federal Pell Grants are awarded to low-income undergraduates based on their expected family contribution. Data as reported by campuses to the UMass President's Office in the Financial Aid Template, which are estimates for the current fiscal year and actuals for prior fiscal years.

**Percent of Need Met for In-State Students Awarded Need-Based Aid.** The average percentage of demonstrated financial need that is met by the institution's award of need-based financial aid to undergraduate students. Data as reported to the UMass President's Office in the Financial Aid Template.

**Average Debt of Students for Graduating Class.** The Average Debt Load is based on the total debt borrowed by an Institution's graduating UG Class divided by the number of students of that graduating class that carried

any amount of debt. It does not include those students with no debt load. Data is from CDS.

**Percent Graduating Class with Debt.** The total number of students in a graduating class that carried a debt load at the institution divided by the total number of graduating students in that institution. Data is from CDS.

**Percent Undergraduates from Massachusetts.** Percentage of total undergraduate students who currently reside in Massachusetts based on tuition residency and/or permanent address for continuing education students.

**Online Course Registrations.** University Extension course registrations for the academic year for online credit courses. Academic year includes Summer, Fall, intersession, and Spring. These do not include hybrid course, but fully online only offered via *UMassOnline*.

**Annual Growth in Online Course Enrollments.** Percentage rate of growth in enrollments or course registrations for the fiscal year for online credit courses. Fiscal year includes Summer, Fall, intersession, and Spring. These do not include hybrid courses, but fully online only offered via *UMassOnline*.

## STUDENT SUCCESS AND SATISFACTION INDICATORS

**Percent Undergraduates who are Students of Color.** Undergraduates who are Cape Verdean, Black, Hispanic/Latino, Asian, Hawaiian/Pacific Islander, American Indian/Alaskan Native, and/or Two or more races, divided by total U.S. citizens and permanent residents who report race/ethnicity. Due to recent changes in IPEDS race and ethnicity classifications, trend data on students of color should be viewed with caution.

**Percent Undergraduates who are First Generation in College.** First-generation college students are defined as those students with neither parent having attended college. We also give data for neither parent having a bachelor's degree. Data are from the Cooperative Institutional Research Program (CIRP) Freshmen Survey 2014, and Senior data are from NSSE (2014).

**Percent Undergraduates with English as a Second Language.** Percentage of undergraduates whose first language is not English. Data are from Cooperative Institutional Research Program (CIRP) Freshmen Survey 2014.

**Percent Undergraduates who are International.** Includes all undergraduates with eligible visa types enrolled in credit courses. Does not include US citizens, permanent residents, or refugees.

**Number of Students who Participated in a Study Abroad Program.** Data are numbers of students who participated in

a credit bearing study abroad program as reported on the Institute of International Education Open Doors survey for Fall 2013 through Summer 2014.

**Freshman One-Year Retention Rate.** Percent of first-time, full-time freshmen who entered in previous Fall and were still enrolled as of the next Fall. Peer data are as reported to IPEDS.

**Freshman Four-Year Graduation Rate.** Percent of first-time, full-time freshmen who entered in a given Fall and had graduated within four years.

**Freshman Six-Year Graduation Rate.** Percent of first-time, full-time freshmen who entered in a given Fall and had graduated within six years. Peer data as reported to IPEDS.

**Transfer (Full-Time) One-Year Retention Rate.** Percent of full-time transfer students at any level who entered in the prior Fall and were still enrolled or graduated as of the next fall.

**Transfer (Upper Division) Four-Year Graduation Rate.** Percent of full-time upper division transfers (60+ credits) who entered in a given Fall and had graduated within four years.

**Student Achievement Measure (SAM Data – Bachelor’s Seeking Module).** Report on first time, full time freshmen cohort based on data sent to National Student Clearinghouse and reported to the Student Achievement Measure project. Data reflects additional educational activity and attainment after leaving campus.

**Alumni Participation Rate.** The average percentage of undergraduate alumni of record who donated money to the college or university. Alumni of record are former full- or part-time students who received an undergraduate degree and for whom the college or university has a current address. The alumni giving rate is calculated by dividing the number of alumni donors during a given academic year by the number of alumni of record for that same year. These two separate alumni giving rates are then averaged for the last two academic years. Graduates who earned only a graduate degree are excluded. Data is from US News and World Report.

#### SERVICE TO THE COMMONWEALTH INDICATORS

**Incoming Class Composition.** The percent of the incoming degree-seeking Undergraduate class who are Freshmen versus Transfers.

**Degree Completions.** The number of degrees as reported to IPEDS broken down by level.

#### Percent of Alumni who Live in Massachusetts.

Percentage of total alumni who currently reside in Massachusetts based on alumni records.

**Enrollment in Science, Technology, Engineering, and Mathematics (STEM) Programs.** Total number of students enrolled in STEM programs. STEM programs are those fields of study defined in the National Science & Mathematics Access to Retain Talent (SMART) Grant with the exclusion of foreign languages. Enrollment count includes degree-seeking undergraduate, graduate and certificate students.

#### Degrees and Certificates Awarded in STEM Fields.

Number of undergraduate and graduate degrees and certificates awarded in STEM fields. STEM fields are those defined in the National Science & Mathematics Access to Retain Talent (SMART) Grant with the exclusion of foreign languages.

#### Degrees and Certificates Awarded in Healthcare Fields.

Number of undergraduate and graduate degrees and certificates awarded in Health Care fields. Programs of study include Nursing and Medical Laboratory Studies.

**MTEL Science & Math Test-Takers.** Total number of students who took the Massachusetts Tests for Educator Licensure (MTEL) subject tests in science and math fields.

#### FINANCIAL HEALTH INDICATORS

##### Endowment Assets and Annual Growth in Endowment.

Market value of true and quasi-endowment assets. Comparative data are from IPEDS, financial statements, and the NACUBO survey.

**Endowment per Annualized Student FTE.** True and quasi-endowment per annualized FTE student, where FTE of peer institutions is standardized to UMass formulae. Peer data are for the comparative peers from financial statements (current year) and IPEDS (prior years).

**Private Funds Raised Annually.** Private funds raised includes restricted and unrestricted revenues from individuals, foundations, corporations, and other organizations. Includes private grant revenues but not private contract revenues. Totals for each year include pledges made in that year as well as the value of in-kind contributions.

**Primary Reserve.** Unrestricted net assets as a percentage of operating expenditures and interest expense. Peer data are from published financial statements.

**Debt Service to Operations.** Debt service payments as a percentage of operating expenditures and interest expense. Peer data are from published financial statements.

**Deferred Maintenance per GSF.** Deferred Maintenance includes deferred and other maintenance dollars needed to maintain the current function of the campus, calculated by the “Sightlines” Return on Physical Assets methodology (ROPA<sup>sm</sup>) and shown per square foot of space.

**PEER INSTITUTIONS FOR UMASS DARTMOUTH**

Cleveland State University (OH)\*  
Idaho State University  
Louisiana Tech University  
Marshall University (WV)  
SUNY at Binghamton (NY)\*  
The University of Montana\*  
The University of Texas at Dallas\*  
University of Arkansas at Little Rock  
University of Idaho  
University of New Orleans (LA)  
University of North Dakota\*  
University of South Dakota  
University of Southern Maine  
Wichita State University (KS)\*

*\*Aspirant Peers*

*Please Note: Unless otherwise specified, all data are from  
UMass Dartmouth Office of Institutional Research and  
Assessment.*

## HEADLINES FROM THE 2015 ANNUAL INDICATORS

### ACADEMIC QUALITY

UMass Lowell has continued making strong progress toward the goals it set out in the *2020 Strategic Plan* to increase academic quality, while simultaneously increasing enrollment. The Fall 2014 average SAT score of 1150 is 16 points higher than last year's, and represents a 79 point increase since Fall 2008. During that same time, undergraduate enrollment increased 39%. The mean high school GPA for Fall 2014 was the highest yet, 3.43, and marks the thirteenth year in a row of increases in this metric.

New research partnerships established in AY 2013-14 include the Raytheon-UMass Lowell Research Institute (RURI) and the Printed Electronics Research Collaborative (PERC). UMass Lowell's emphasis on strengthening research and building new academic programs has been positively impacted by the increased size of the faculty. The overall number of full-time faculty increased by eight this year, to 549; 20 of these were tenured or tenure-track new hires. Similarly, the overall faculty FTE increased to 714 in Fall 2014, up from 695 last year. In keeping with the goals for faculty diversity included in the *2020 Strategic Plan*, the proportion of faculty of color has increased this year, to 23%.

Externally-sponsored research per faculty member is important to UMass Lowell both as a measure of faculty scholarship and as a measure of assisting innovation in the regional economy, and these continue to increase. In FY 2013, the average amount of R&D expenditures per tenure-stream faculty member was \$151,267, the fourth increase in a row. UMass Lowell's goal is to reach \$180,000 per tenure-stream faculty member by 2018. UMass Lowell ranked 178<sup>th</sup> in R&D Expenditures in FY 2013, and when compared just with its public Carnegie class peers without a medical school, UMass Lowell ranked 28<sup>th</sup>.

### ACCESS AND AFFORDABILITY

By providing financial need assistance and by increasing the amounts of merit awards for new freshmen and grants for transfer students, UMass Lowell aims to not only maintain affordability, but to improve accessibility. In FY 2014, 81% of undergraduate students demonstrated financial need, and on average 90% of their need was met. One in three (33%) UMass Lowell undergraduate students receive Federal Pell Grants, which are based on a student's need.

In alignment with the diversity goals set out in the *2020 Strategic Plan*, UMass Lowell has increased access to college for those populations which do not traditionally consider attending a postsecondary institution. Twenty-eight percent of UMass Lowell undergraduates self-identified as the first in their family to attend college. Similarly, 29% of undergraduates identify themselves as students of color.

### STUDENT SUCCESS AND SATISFACTION

UMass Lowell saw success in retention and graduation rates for its undergraduate students this year no matter how they entered the University. For students who entered directly out of high school, UMass Lowell's one-year retention rate held steady at 84.3%; the six-year graduation rate also held steady at 54.4%. For students who entered as transfers, this year saw four-fifths (81%) return for their second year at UMass Lowell, while the comparable graduation rate (four-year) for transfers was up slightly this year, to 69%.

UMass Lowell's students report being very satisfied with their academic experience. The 2014 NSSE survey found that 83% of seniors rate their experience at UMass Lowell as "good" or "excellent." This is on par with the ratings given by their immediate predecessors, and with the responses from seniors attending UMass Lowell's Carnegie class peers. The Fall 2014 opening of a \$95 million, centrally-located student engagement center with dedicated meeting space for student organizations and the ongoing transition to Division I sports are expected to have a positive effect on student satisfaction.

### SERVICE TO THE COMMONWEALTH

UMass Lowell's mission includes service and outreach to assist: (1) the region's K-12 system; (2) the region's enterprise to innovate; (3) the health of the region's environment and citizens; and, (4) in strengthening the vitality of the region's communities. In AY 2013-14, the University tracked 189,000 hours of academic and non-academic service to communities locally and abroad. In recognition of this work, the Carnegie Foundation designated UMass Lowell as a "Community Engaged University," and UMass Lowell has made five consecutive appearances on the President's Higher Education Community Service Honor Roll.

UMass Lowell's contribution to the Commonwealth is also evidenced in its contribution to STEM and healthcare education. One-third of both all enrollments and all degrees awarded at UMass Lowell in Fall 2014 were in STEM fields (36% and 37%, respectively).



Another 12% of all degrees awarded were in healthcare fields. UMass Lowell's Division of Online and Continuing Education (OCE) provides high-quality professional studies in innovative formats including campus-based classes, online education and customized corporate training. Numerous OCE programs serve various economic sectors, partnering with companies to deliver customized education and training programs for their employees, oftentimes on-site. The result is continued significant growth in the number of online course enrollments at UMass Lowell. AY 2013-14 saw an increase of 4% over the previous year, and represents a six-year trend of growth in online course registrations. AY 2013-14 also saw the largest number of online course registrations to date, at 23,372.

## **FINANCIAL HEALTH**

New efforts to grow revenues and control expenditures are implemented each year. Growth in revenues will further contribute to UMass Lowell's primary reserve and improving financial health. The endowment saw an increase of 19% over last year's figure, to \$78.4 million. Accompanying this, UML saw its endowment per annualized FTE jump this year to over \$6,000. Private funds raised annually increased this year by over 6% to \$20.6 million, the sixth year in a row that this metric has seen an increase. UMass Lowell's primary reserve fell slightly this year, to 22.8%, slightly below the FY 2013 peer average (the latest figures available).

*n.b. All peer comparisons throughout the 2015 "Annual Indicators" document were generated using UMass Lowell's peers as of 2012. These are listed at the end of the "Definitions" section.*

## 2015 ANNUAL INDICATORS AT A GLANCE

## ACADEMIC QUALITY

• Average HS GPA of First-Time Freshmen	3.43
• Average SAT Scores of First-Time Freshmen	
<i>Arithmetic Mean</i>	1150
<i>25<sup>th</sup> – 75<sup>th</sup> Percentile</i>	1060-1230
• Average GPA of Entering Transfer Students	3.11
• Student Satisfaction with Educational Experience	83%
• Student-Faculty Ratio	18:1
• Technology Enhanced Classrooms	185
• Number of Doctoral Degrees Awarded	100
• Postdoctoral Appointees	28
• Total R&D Expenditures	\$64.6M
• Total R&D Expenditures Ranking	178
• Total R&D Expenditures Ranking among Carnegie Peers (Public, Non-Medical)	28
• Federal R&D Expenditures	\$28.7M
• Total R&D/Tenure-Stream Faculty	\$151,267
• Number of Patent Applications	24
• License Income	\$348,000
• Percent Tenured/Tenure-Track Faculty	57%
• New Tenured/Tenure-Track Faculty Hired	20
<i>As Percent of T/TT Faculty</i>	5%
• Change in Tenured/Tenure-Track Faculty	-6
• Change in Total Faculty FTE	+ 19
• Full-time Instructional Faculty	
<i>Percent Faculty-of-Color</i>	23%
<i>Percent Women Faculty</i>	41%
• Faculty Awards	2 (FY12)
• National Academy Members	0 (FY12)

## ACCESS AND AFFORDABILITY

• Percent Pell Grant Recipients	33%
• Percent of Need Met for In-State Students Awarded Need-Based Aid	90%

• Average Student Debt Load (UG)	\$30,505
• Percent Graduating Class with Debt (UG)	81%
• Percent of Undergraduates from MA	82%
• Online Course Registrations	23,372
• Rate of Growth in Online Course Registrations	3.8%

## STUDENT SUCCESS AND SATISFACTION

• Percent of Undergraduates who are Students of Color	29%
• Percent Undergraduates First Generation	28%
• Percent Undergraduates with English as Second Language	n/a
• Percent Undergraduates who are International	3.7%
• Number of Students who Participated in UML-Sponsored Study Abroad Program	118
• Freshmen One-Year Retention Rate	84%
• Freshmen Four-Year Graduation Rate	32%
• Freshmen Six-Year Graduation Rate	54%
• Transfer (Full-time) One-Year Retention Rate	81%
• Transfer (Upper Division) Four-Year Graduation Rate	69%
• Alumni Participation Rate (2-Year Average)	12%

## SERVICE TO THE COMMONWEALTH

• Percent Alumni who live in Massachusetts	63%
• Incoming Class	2,847
<i>Percent Freshmen</i>	58%
<i>Percent Transfers</i>	42%
• Degree Completions	3,207
<i>Bachelor's</i>	2,228
<i>Master's</i>	879
<i>Doctorates</i>	100
• Enrollment in STEM Programs	6,173 (36%)
<i>Undergraduate</i>	4,831 (37%)
<i>Graduate</i>	1,342 (32%)

- Degrees Awarded in STEM Fields            1,187 (37%)
  - Undergraduate*                                798 (35%)
  - Graduate*                                        389 (40%)
- Degrees Awarded in Healthcare Fields        394
  - Undergraduate*                                254
  - Graduate*                                        140
- MTEL Science and Math Test-Takers            10

**FINANCIAL HEALTH**

---

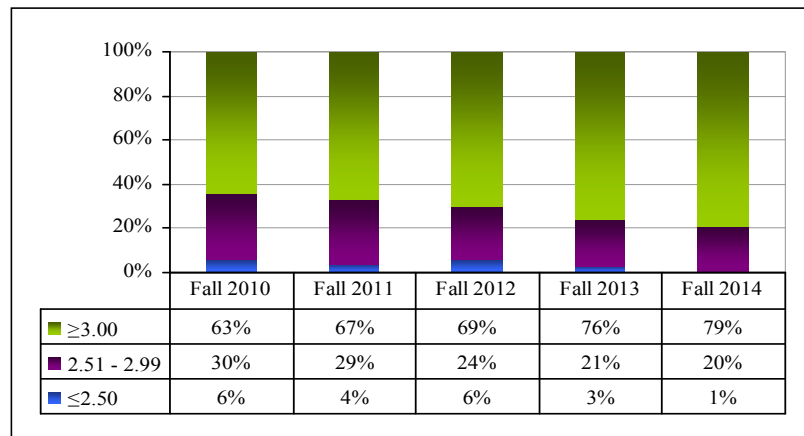
- Total Endowment\*\*                                \$78.4M
- Annual Growth In Endowment\*\*                19%
- Endowment per Annualized Student FTE\*\*    \$6,007
- Private Funds Raised Annually                 \$20.6M
- Primary Reserve                                    22.8%
- Debt Service To Operations                     6.0%
- Deferred Maintenance per GSF                 \$162

*\*\* NOTE: Data on these measures are currently based on the inclusion of \$6.7M of funds in the total endowment which are sourced from UML's independent Alumni Association (a 501c(3) organization). The Alumni Association houses additional endowed funds directed toward the benefit of students at UMass Lowell. This methodology is different from that used by the other UMass campuses. Therefore, any comparisons should be done with caution.*

## ACADEMIC QUALITY

## High School GPA of Freshmen

For thirteen years running now, the average weighted High School GPA of UML's incoming first-year class has exceeded 3.00. In Fall 2014, it rose to 3.43. Almost four-fifths of UML's incoming class had a HS GPA greater than 3.00, up from 63% just five years ago.



Average HS GPA	Fall 2010	Fall 2011	Fall 2012	Fall 2013	Fall 2014
	3.19	3.27	3.29	3.36	<b>3.43</b>

## Average SAT Scores of Freshmen

UML's Average SAT Score jumped 16 points this year, from 1134 to 1150. This represents an increase of 61 points in just five years. UML's 25th and 75th percentiles easily outstrip the peer median for both of these.

Average SAT Scores of Freshmen (UML)	Fall 2010	Fall 2011	Fall 2012	Fall 2013	Fall 2014
75th Percentile	1170	1190	1210	1210	<b>1230</b>
25th Percentile	1000	1020	1030	1040	<b>1060</b>
Average	1089	1113	1125	1134	<b>1150</b>
<b>Peer Median</b>					
75th Percentile	1190	1190	1200	1210	<b>1205</b>
25th Percentile	980	990	990	1000	<b>1000</b>
<b>UML Rank</b>					
75th Percentile	6	4	2	2	<b>2</b>
25th Percentile	2	2	2	2	<b>2</b>

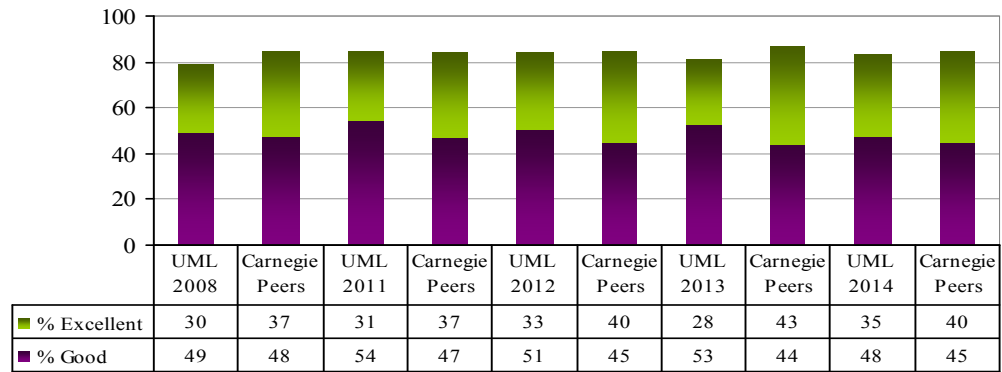
## Average GPA of Entering Transfer Students

The Average GPA for entering transfer students has seen a steady upward trend in the past five years. The Fall 2014 figure, 3.11, is the highest in recent memory.

Avg. GPA Entering Transfers	Fall 2010	Fall 2011	Fall 2012	Fall 2013	Fall 2014
	3.04	3.07	3.08	3.09	<b>3.11</b>

### Student Satisfaction with Educational Experience

Our 2014 NSSE results show that, once again, over 80% of UML's seniors rate their educational experience at the University as either "Good" or "Excellent." This continues to be on par with the rating given to UML's peer institutions within our same Carnegie classification.



### Student-Faculty Ratio

UMass Lowell has kept its student-faculty ratio stable compared to last year, at 18:1. Compared to its peers, UML ranks in the top half of the group.

Student-Faculty Ratio	2010	2011	2012	2013	2014
UML	18:1	17:1	17:1	18:1	<b>18:1</b>

### Technology-Enhanced Classrooms

**Tier 1 Standard Classroom Technology:** All classrooms at UMass Lowell are equipped with the following standard equipment and controllers, including: teaching podium, podium computer, document camera, DVD/VCR player, laptop connection, power conditioner, and Extron 104ip controller. The standard technology-enhanced classroom equipment is installed in all small, medium and large spaces across all UML campuses.

**Tier 1+ Standard Classroom Technology:** In addition to UMass Lowell's standard classroom technologies, these rooms also include a Smart Podium interactive teaching monitor which is integrated into the podium computer.

**Lecture-Capture Enabled Classroom:** These rooms include either Tier 1 or Tier 1+ technology and camera, microphone, mixer and an Echo SafeHD recording appliance to facilitate automated lecture capture.

UML Technology-Enhanced Classrooms	AY2013-2014	
	Number of Classrooms	Percent of Total
Tier 1 Standard Classroom Technology	185	100%
Tier 1+ Standard Classroom Technology	120	65%
Lecture-Capture Enabled Classroom	95	52%
<b>Total Classrooms</b>	<b>185</b>	<b>100%</b>

### Doctoral Degrees Awarded

UML awarded 100 doctoral degrees in 2013-14, on par with the previous year. This year's addition of new doctoral programs in Applied Psychology, Pharmacy, and Education, along with last year's new programs in Global Studies, Pharmaceutical Sciences, Criminal Justice, and Business, will allow us to meet our 2020 goal of 125 doctorates awarded per year.

Beginning with FY 2010, IPEDS has assigned professional practice doctorates to include first-professional doctorates associated with professional schools (JD, MD, PharmD). UML has adjusted the peers IPEDS totals to remain consistent in reporting comparable data.

<i><b>UML Doctoral Degrees Awarded</b></i>	<i>2009-10</i>	<i>2010-11</i>	<i>2011-12</i>	<i>2012-13</i>	<i>2013-14</i>
<i>Research/Scholarship Doctorates</i>	49	57	58	66	<b>60</b>
<i>Professional Practice Doctorates</i>	18	26	35	36	<b>40</b>
<i><b>Total Doctoral Degrees Awarded</b></i>	67	83	93	102	<b>100</b>

<i><b>Research/Scholarship Doctorates</b></i>	<i>2009-10</i>	<i>2010-11</i>	<i>2011-12</i>	<i>2012-13</i>	<i>2013-14</i>
<i>UML</i>	49	57	58	66	<b>60</b>
<i>Peer Average</i>	85	89	81	96	<b>102*</b>

\*Calculated based on IPEDS provisional release data, May 2015.

### Postdoctoral Appointees

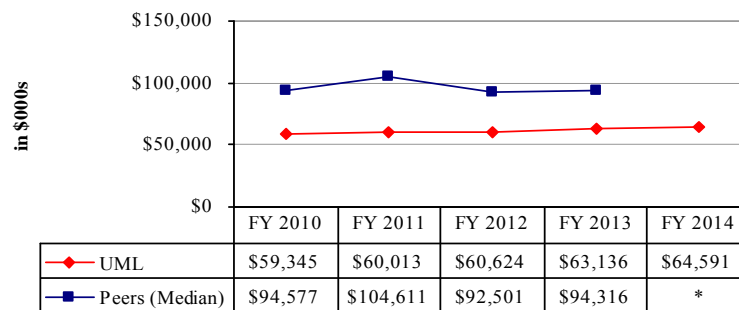
The number of postdoctoral appointments grew by six this year, a 27% increase. Twenty-one of these 28 were funded by grants.

<i><b>Postdoctoral Appointees</b></i>	<i>2009-10</i>	<i>2010-11</i>	<i>2011-12</i>	<i>2012-13</i>	<i>2013-14</i>
<i>UML</i>	26	26	23	22	<b>28</b>

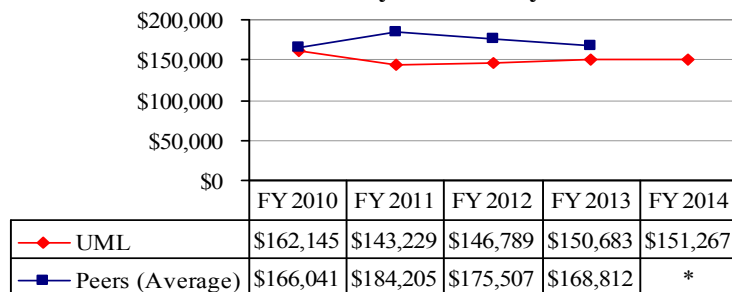
## Total Research and Development (R&D) Expenditures

UMass Lowell's total research and development expenditures as reported to the National Science Foundation (NSF) increased again in FY 2014 to \$64.6 M. FY2014's figure marks a seven-year trend of increasing annual R&D expenditures, as well as increasing annual R&D expenditures per tenure-stream faculty. UMass Lowell continues to close the gap on this measure with its peer institutions. By FY 2013 (the latest year for which comparative data is available), that gap had closed to \$18.1 M.

### Total Research & Development Expenditures



### Total Research & Development Expenditures per Tenure-System Faculty



\*As of May 2015, the peer data for FY2014 was not yet available.

## R&D Expenditures Rankings

UMass Lowell faculty and researchers have been steadily increasing their R&D Expenditures, earning a national rank of 178 in FY 2013. This is an increase over the slight dip that the University saw in FY 2011 and FY 2012. Similarly, when we compare ourselves to our closest peers (same Carnegie classification, public control and no medical school) UMass Lowell earned a national rank of 28 in FY 2013, up three spots from the FY 2012 rank.

Total R&D Rank	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013
Overall Ranking	164	177	184	184	<b>178</b>
Ranking based on Carnegie Peers	27	28	30	31	<b>28</b>

*n.b.* Ranking based on Carnegie Peers is further standardized by U.S. public institutions without medical schools.

## Patent Applications

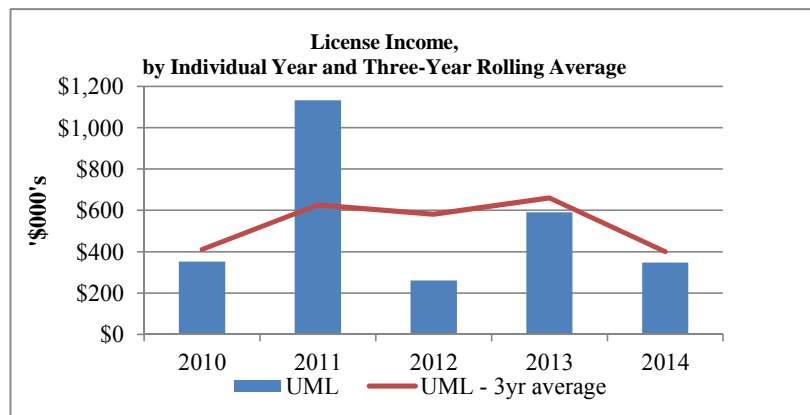
The number of patent applications filed is an indicator of an institution's inventiveness and the commercial potential of its academic work. In FY 2014, 24 U.S. patent applications were filed by UMass Lowell faculty and researchers. Additionally, UMass Lowell applies for foreign/international patents that are not reflected in these totals. FY2014 saw 22 of these filed by UML. Overall, 46 total patent applications were filed by UML, compared to 30 in FY2013, and 38 in FY2012.

<i>Patent Applications</i>	<i>FY 2010</i>	<i>FY 2011</i>	<i>FY 2012</i>	<i>FY 2013</i>	<i>FY 2014</i>
	26	21	19	20	<b>24</b>

## License Income

The license income shown represents total revenues (licensing fees and royalties plus patent reimbursements). Over the next few years, as more technologies that are currently under development come to market, the share of total license income attributable to royalty payments will increase, thus providing a more stable year-over-year baseline for this measure. Until that time, a more representative indicator is the three-year rolling average, which for FY 2014 is \$396K, a decrease from last year's \$657K.

<i>License Income</i>	<i>FY 2010</i>	<i>FY 2011</i>	<i>FY 2012</i>	<i>FY 2013</i>	<i>FY 2014</i>
	\$352	\$1,130	\$261	\$579	<b>\$348</b>



## Percent Tenured/Tenure-Track Faculty

In Fall 2014, instructional faculty at UMass Lowell were comprised of 57% tenure-stream faculty and 43% non-tenure-track or part-time faculty. The share made up by tenure-stream faculty has decreased slightly since Fall 2010, down four percentage points.

<i>Percent Tenured/Tenure-track Faculty</i>	<i>Fall 2010</i>	<i>Fall 2011</i>	<i>Fall 2012</i>	<i>Fall 2013</i>	<i>Fall 2014</i>
<i>% Tenured/Tenure-track</i>	61%	60%	59%	59%	<b>57%</b>
<i>% Non Tenure-track/PT</i>	39%	40%	41%	41%	<b>43%</b>

## New Tenured/Tenure-Track Faculty Hired

UMass Lowell continues to fill open tenure-track faculty positions to maintain capacity and to strengthen centers of excellence. In addition to adding 20 new tenure-stream faculty this year, UML also added 16 new NTT lecturers and eight visiting faculty in AY 2015.

<i>New Tenured/Tenure-Track Faculty Hired</i>	<i>AY 2010-11</i>	<i>AY 2011-12</i>	<i>AY 2012-13</i>	<i>AY 2013-14</i>	<i>AY 2014-15</i>
	19	17	26	21	<b>20</b>



### New Tenured/Tenure-Track Faculty Hired as Percent of All Tenured-track Faculty

New tenure-stream faculty consistently make up approximately 5% of UMass Lowell's total tenure-stream faculty for the past five years.

<i>New T/TT Faculty as Percent of Total</i>	<i>Fall 2010</i>	<i>Fall 2011</i>	<i>Fall 2012</i>	<i>Fall 2013</i>	<i>Fall 2014</i>
<i>Total T/TT Faculty</i>	392	397	406	413	<b>407</b>
<i>Total New Hires</i>	19	17	26	21	<b>20</b>
<i>Percent of Total</i>	5%	4%	6%	5%	<b>5%</b>

### Change in Tenured/Tenure-Track Faculty

While the number of tenure-stream full-time faculty decreased slightly in Fall 2014, the overall number of full-time faculty (without regard to tenure status and including clinical faculty and NTT Lecturers) increased again this year to 549. UMass Lowell remains strongly committed to strengthening the faculty.

<i>Change in T/TT Faculty</i>	<i>Fall 2010*</i>	<i>Fall 2011*</i>	<i>Fall 2012*</i>	<i>Fall 2013</i>	<i>Fall 2014</i>	<i>1-year Change</i>
	406	413	419	413	<b>407</b>	<b>-6</b>

\*These figures include tenured faculty with administrative assignments.

### Change in Faculty FTE

The significant increase in faculty FTE since 2010 is due to UML's emphasis on strengthening research and building new academic programs.

<i>Change in Faculty FTE</i>	<i>Fall 2010</i>	<i>Fall 2011</i>	<i>Fall 2012</i>	<i>Fall 2013</i>	<i>Fall 2014</i>	<i>1-year Change</i>
	624	654	683	695	<b>714</b>	<b>19</b>

This figure includes full-time tenured and tenure-track faculty as well as NTT Lecturers, and Clinical and visiting faculty. Beginning in Fall 2009 this figure includes CSCE-only faculty. Research faculty are not included in this metric.

### Faculty by Race and Gender

UMass Lowell has steadily increased the number of faculty of color among its full-time instructional faculty. Since Fall 2010, their proportion has increased by three percentage points. In the same vein, the proportion of women faculty has steadily increased each of the last five years, reaching 41% in Fall 2014.

<i>Full-time Instructional Faculty</i>					
<i>Faculty Of Color*</i>	<i>Fall 2010</i>	<i>Fall 2011</i>	<i>Fall 2012</i>	<i>Fall 2013</i>	<i>Fall 2014</i>
<i>Number</i>	88	91	99	113	<b>120</b>
<i>Percent</i>	20.6%	20.2%	19.7%	22.0%	<b>23.3%</b>

<i>Women Faculty</i>	<i>Fall 2010</i>	<i>Fall 2011</i>	<i>Fall 2012</i>	<i>Fall 2013</i>	<i>Fall 2014</i>
<i>Number</i>	167	189	216	225	<b>226</b>
<i>Percent</i>	38.5%	39.6%	40.8%	41.6%	<b>41.2%</b>

*n.b.* Full-time instructional staff; excludes research faculty.

\*Includes U.S. Citizens and Permanent Residents; excludes Non-Resident Aliens and "Unknown" race/ethnicity.

Source: IPEDS

### Faculty Awards

This figure presents the number of faculty awarded prominent grants or fellowships, based on the list compiled annually by the Arizona Center for Measuring University Performance (MUP). If one also takes into consideration the awards compiled by *Academic Analytics*, however, UML faculty received 100 prominent awards in FY 2014. Of note, 1 UML faculty member was named a Guggenheim Fellow, and another, a National Associate of the National Academies.

<i>Faculty Awards</i>	2009	2010	2011	2012	2013
<i>UML</i>	0	2	1	2	*
<i>Peers (Median)</i>	4.5	2.5	5	5	*

\*As of May 2015, the data for 2013 was not available.

### National Academy Members

The Arizona Center for Measuring University Performance annually compiles the number of faculty who are members of the National Academy of Sciences, the National Academy of Engineering, and the Institute of Medicine.

<i>National Academy Members</i>	2009	2010	2011	2012	2013
<i>UML</i>	0	0	0	0	*
<i>Peers (Median)</i>	0.5	0.5	1	1	*

\*As of May 2015, the data for 2013 was not available.

## ACCESS AND AFFORDABILITY

### Percent (In-State) Pell Grant Recipients

This figure represents the percentage of *in-state* degree-seeking undergraduates receiving Federal Pell Grants, which are based on a student's need. In Fall 2013, fully one-third of UML's in-state undergraduates qualified for and received a Pell Grant, a proportion that has remained steady since 2010.

<i>Percent (In-State) Pell Grant Recipients</i>	Fall 2009	Fall 2010	Fall 2011	Fall 2012	Fall 2013
	27%	33%	35%	33%	<b>33%</b>

### Percent Need Met for In-State Students Awarded Need-Based Aid

UMass Lowell remains committed to affordability. Fully 90% of the need shown by in-state students is met by UML.

<i>Percent Need Met (In-State)</i>	2009-10	2010-11	2011-12	2012-13	2013-14
	94%	94%	92%	91%	<b>90%</b>

### Student Debt Load of Graduating Class (UG)

Mirroring national trends, UMass Lowell has seen the average amount of student debt of its graduating class climb since 2010.

	2010	2011	2012	2013	2014
<i>Average Debt Load</i>	\$24,087	\$27,620	\$29,212	\$28,482	<b>\$30,505</b>
<i>Percent Graduating Class with Debt</i>	74%	75%	77%	79%	<b>81%</b>

Source: CDS, various years, questions H4 and H5.

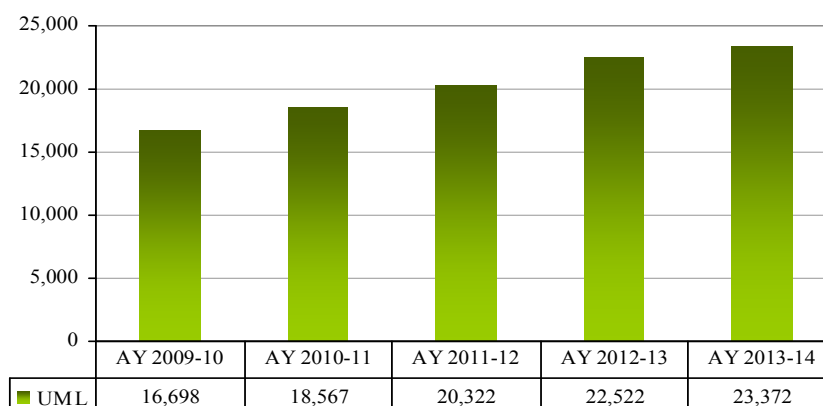
### Percent Undergraduates From Massachusetts

Massachusetts residents continue to comprise the vast majority of UMass Lowell undergraduate students (both Day and OCE). Continuing this trend, more than five out of every six students hailed from Massachusetts in Fall 2014.

<i>Percent Undergraduates from Massachusetts</i>	<i>Fall 2010</i>	<i>Fall 2011</i>	<i>Fall 2012</i>	<i>Fall 2013</i>	<i>Fall 2014</i>
<i>Number</i>	9,693	9,939	10,229	10,556	<b>10,690</b>
<i>Percent</i>	86%	85%	83%	83%	<b>82%</b>

### Online Course Registrations

UMass Lowell's Division of Online and Continuing Education (OCE) online course registrations continue to increase, despite an increasingly competitive marketplace. Online course enrollments were at their highest ever in AY14, at 23,372. In addition, many other courses across the University incorporate online elements using Blackboard LMS tools such as e-mail, online syllabi, chat, and discussion forums.



### Annual Growth in Online Course Registrations

UMass Lowell's efforts to expand our online course offerings continue to show positive results. Despite a competitive marketplace, UML's online course continued to climb, increasing almost 4% over AY13.

<i>Annual Growth in Online Course Enrollments</i>	<i>AY 2009-10</i>	<i>AY 2010-11</i>	<i>AY 2011-12</i>	<i>AY 2012-13</i>	<i>AY 2013-14</i>
	15.7%	11.2%	9.5%	10.8%	<b>3.8%</b>

## STUDENT SUCCESS AND SATISFACTION

### Percent Undergraduates who are Students of Color

The substantial proportion of UMass Lowell's domestic undergraduates (both Day and OCE) who describe themselves as students of color demonstrates our success in recruiting and retaining diverse students. Their numbers increased again this year, to 29% of our undergraduates in Fall 2014.

<i>Percent UGs Students of Color</i>	<i>Fall 2010</i>	<i>Fall 2011</i>	<i>Fall 2012</i>	<i>Fall 2013</i>	<i>Fall 2014</i>
<i>Number</i>	2,604	3,054	3,211	3,235	<b>3,362</b>
<i>Percent</i>	25%	28%	29%	28%	<b>29%</b>

### Percent Undergraduates who are First Generation in College

This year saw the proportion of freshmen and senior respondents to the NSSE survey who reported that neither parent had attended college hold steady with last year's, at 28%.

<i>Percent UGs First Generation in College</i>	<i>Fall 2010</i>	<i>Fall 2011</i>	<i>Fall 2012</i>	<i>Fall 2013</i>	<i>Fall 2014</i>
<i>Percent</i>	n/a	24%	21%	28%	<b>28%</b>

### Percent Undergraduates with English as a Second Language

*n.b.* This indicator is based on responses to the Cooperative Institutional Research Program's (CIRP) "Freshman Survey," which is not fielded at UMass Lowell.

<i>Percent UGs ESL</i>	<i>Fall 2010</i>	<i>Fall 2011</i>	<i>Fall 2012</i>	<i>Fall 2013</i>	<i>Fall 2014</i>
<i>Percent</i>	n/a	n/a	n/a	n/a	n/a

### Percent Undergraduates who are International

The proportion of UMass Lowell's undergraduates (both Day and OCE) who are neither a U.S. citizen nor a permanent resident has been consistently increasing since Fall 2010, reaching 3.7% in Fall 2014. The University hosts a large population of international graduate students, who contribute to UML's multicultural and ethnic diversity. Taken together, UML's student population included 1,231 international students in Fall 2014, an increase of 14% in just one year. These 1,231 international students represented 7.2% of the overall student body in Fall 2014.

<i>Percent UGs International</i>	<i>Fall 2010</i>	<i>Fall 2011</i>	<i>Fall 2012</i>	<i>Fall 2013</i>	<i>Fall 2014</i>
<i>Number</i>	64	129	259	399	<b>484</b>
<i>Percent</i>	0.6%	1.1%	2.1%	3.1%	<b>3.7%</b>

### Number who Participated in a Study Abroad Program

The number of students (both Undergraduate and Graduate) choosing to study abroad remains strong as a result of efforts to engage students in international programs.

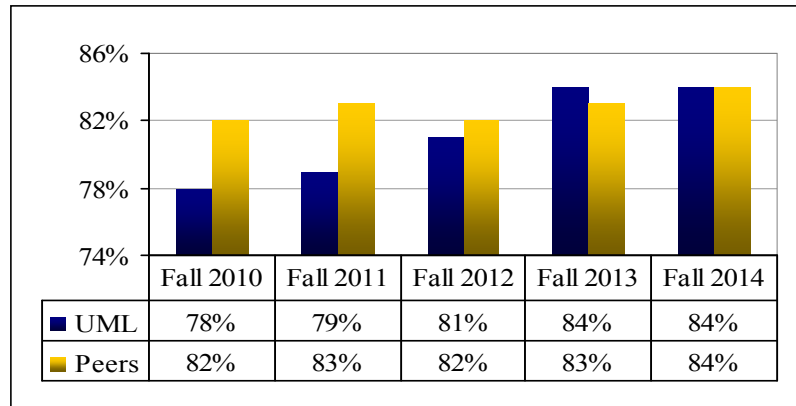
<i>Total Number of Students who participated in Study Abroad</i>	<i>Fall 09-Summer 10</i>	<i>Fall 10-Summer 11</i>	<i>Fall 11-Summer 12</i>	<i>Fall 12-Summer 13</i>	<i>Fall 13-Summer 14</i>
	106	138	95	107	<b>118</b>

The actual number of students studying abroad may be higher than presented here because this figure only captures students who made arrangements through UML's Office of Study Abroad and International Experiences. Students advised elsewhere, or who made their own arrangements and returned to UML with additional earned credits, are not included in these figures.

### Freshman One-Year Retention Rate

UML's freshman retention rate remained steady this year at 84%, and remains steady compared to the median of our peers.

(*n.b.* The cohort reported for Fall 2014 is the Fall 2013 freshman cohort.)



### Four-Year Graduation Rates

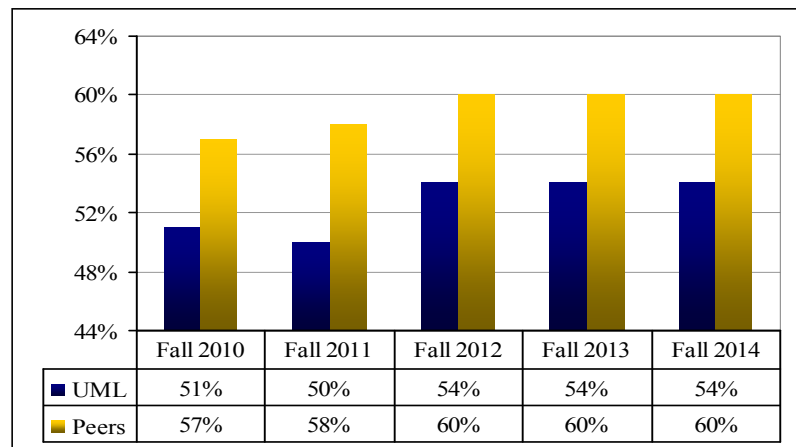
The proportion of students who enter UMass Lowell in a given Fall semester and graduate within four years -- the Four-Year Graduation Rate -- has been climbing since 2010. Twenty-six percent of the cohort entering in Fall 2006 graduated in four years. By 2014, this rate had jumped six percentage points, when the cohort which had entered in Fall 2010 saw 32.2% of its members earn their Bachelor's degree in four years or less.

4-Year Graduation Rates	2010	2011	2012	2013	2014
Cohort Entering Year	(2006)	(2007)	(2008)	(2009)	(2010)
4-Year Graduation Rate	26.1%	28.4%	27.1%	31.0%	<b>32.2%</b>

### Freshman Six-Year Graduation Rate

UMass Lowell's six-year graduation rate remained steady this year, increasing 0.1 percentage points to 54.4%. This rate continues an upward trend since Fall 2011, and compares favorably to the University's historical 6-year graduation rates. Compared to the average of its peers, UML remains six percentage points behind them.

(*n.b.* The cohort reported for Fall 2014 is the Fall 2008 freshman cohort.)



### Transfer (Full-Time) One-Year Retention Rate

Transfers made up 42% of UMass Lowell's new undergraduate student pool in Fall 2014. Their one-year retention rate has remained steady since 2010, and remained steady this year at 81%.

Transfers (Full-time) One-Year Retention Rate	Fall 2010	Fall 2011	Fall 2012	Fall 2013	Fall 2014
	79%	79%	79%	81%	<b>81%</b>

### Transfer (Upper Division) Four-Year Graduation Rate

The four-year graduation rate for upper-level transfer students made a strong showing this year, at 69%. The three-year rolling average was also 69% this year.

<i>Transfers (Upper Division) Four-Year Graduation Rate</i>	<i>Fall 2010</i>	<i>Fall 2011</i>	<i>Fall 2012</i>	<i>Fall 2013</i>	<i>Fall 2014</i>
	77%	65%	70%	67%	<b>69%</b>

### Student Achievement Measure (SAM Data - Bachelor's Seeking Model)

The official Six-Year Graduation Rate measures the proportion of students who complete their degree at the same institution where they began their education. For UMass Lowell's Fall 2008 entering cohort, the official rate is 54%. However, as this table shows, another 13% of those students earned a degree with six years, albeit from another higher education institution. Taken together, 63% of the students who entered UMass Lowell in Fall 2008 had earned a Bachelor's degree by Summer of 2014.

FIRST-TIME FULL-TIME FRESHMEN						
<i>Number of Students in Cohort: 1,514*</i>			<i>GRADUATED WITHIN</i>			
<i>Outcomes for Students Starting at UML in Fall 2008 by Summer 2014</i>	<i>2008-09</i>	<i>2009-10</i>	<i>2010-11</i>	<i>4 YRS.</i>	<i>5 YRS.</i>	<i>6 YRS.</i>
<i>Bachelor's degree from UMassL</i>	0	0%	0%	30%	49%	<b>54%</b>
<i>Associate degree from UMassL</i>	0	0%	0%	0%	0%	<b>0%</b>
<b><i>Total Graduated from UMassL</i></b>	<b>0</b>	<b>0%</b>	<b>0%</b>	<b>30%</b>	<b>49%</b>	<b>54%</b>
<i>Bachelor's degree from another Institution</i>	0	0%	0%	3%	7%	<b>9%</b>
<i>Associate degree from another Institution</i>	0	0%	1%	2%	3%	<b>4%</b>
<b><i>Total Graduated from another Institution</i></b>	<b>0</b>	<b>0%</b>	<b>1%</b>	<b>5%</b>	<b>10%</b>	<b>13%</b>
<b><i>Enrolled at UMassL</i></b>	<b>1,485</b>	<b>81%</b>	<b>68%</b>	<b>39%</b>	<b>17%</b>	<b>8%</b>
<i>Enrolled at Another 4-yr Institution</i>	3	6%	11%	7%	5%	<b>3%</b>
<i>Enrolled at Another 2-yr Institution</i>	1	5%	7%	5%	4%	<b>4%</b>
<b><i>Total Transferred and Enrolled at another</i></b>	<b>4</b>	<b>12%</b>	<b>17%</b>	<b>13%</b>	<b>8%</b>	<b>7%</b>
<b><i>Current Status Unknown</i></b>	<b>19</b>	<b>7%</b>	<b>14%</b>	<b>14%</b>	<b>17%</b>	<b>19%</b>

\*The Fall 2008 cohort comprised 1,514 students, but just 1,508 were found by the National Student Clearinghouse. The figures presented here are based upon the latter number, and so will differ from officially reported retention and graduation rates.

### Alumni Participation Rate

More and more of UMass Lowell's alumni/ae are supporting the University, evidenced by the four percentage-point increase in the Alumni Participation Rate since 2010.

<i>Alumni Participation Rate</i>	<i>FY2010</i>	<i>FY2011</i>	<i>FY2012</i>	<i>FY2013</i>	<i>FY2014</i>
	8%	10%	11%	12%	<b>12%</b>

## SERVICE TO THE COMMONWEALTH

## Incoming Class Composition

The composition of UMass Lowell's incoming class for the past five years has consistently been approximately 60% first-year students and 40% transfers.

<i>Incoming Class Composition</i>	<i>Fall 2010</i>	<i>Fall 2011</i>	<i>Fall 2012</i>	<i>Fall 2013</i>	<i>Fall 2014</i>
<i>Total Incoming Class</i>	2,635	2,487	2,614	2,694	<b>2,847</b>
<i>Entering Freshmen</i>	1,634	1,431	1,495	1,636	<b>1,639</b>
<i>Percent Entering Freshmen</i>	62%	58%	57%	61%	<b>58%</b>
<i>Transfers</i>	1,001	1,056	1,119	1,058	<b>1,208</b>
<i>Percent Transfers</i>	38%	42%	43%	39%	<b>42%</b>

*n.b. State-supported only.*

## Degree Completions

Across all degree award categories, UMass Lowell has seen remarkable increases in the past five years. Since 2009-10, the number of Bachelor's degrees awarded has jumped 51%; Master's degrees, 44%; and Doctoral degrees, 49%. The University is well-positioned to achieve its 2020 goals for degree completions in each of these categories.

<i>Degree Completions</i>	<i>2009-10</i>	<i>2010-11</i>	<i>2011-12</i>	<i>2012-13</i>	<i>2013-14</i>
<i>Bachelor's degrees</i>	1,475	1,653	1,836	2,031	<b>2,228</b>
<i>Masters degrees</i>	612	654	739	745	<b>879</b>
<i>Doctoral degrees</i>	67	83	93	102	<b>100</b>
<i>Res./Sch. Doctorates</i>	47	57	58	66	<b>60</b>
<i>Professional Practice Doctorates</i>	20	26	35	36	<b>40</b>
<i>Total Degrees</i>	2,154	2,390	2,668	2,878	<b>3,207</b>

## Percent Alumni who Live in Massachusetts

Approximately two-thirds of UML alumni/ae reside in Massachusetts. This proportion has remained steady for the past five years.

<i>Percent Alumni Who Live in MA</i>	<i>Fall 2010</i>	<i>Fall 2011</i>	<i>Fall 2012</i>	<i>Fall 2013</i>	<i>Fall 2014</i>
<i>Undergraduate</i>	63%	64%	64%	63%	<b>65%</b>
<i>Graduate</i>	55%	52%	54%	54%	<b>55%</b>
<i>All</i>	62%	62%	62%	61%	<b>63%</b>

## Enrollment in STEM Fields

For six years running now, UMass Lowell increased the number of students participating in STEM programs at both the undergraduate and the graduate levels. The percentage of all students in STEM programs has steadily increased since Fall 2009, to comprising 36% of UML's student body in Fall 2014. Enrollment in STEM certificates continues to hold steady, at over one-quarter of all certificates.

### Undergraduate

<i>Enrollment</i>	<i>Fall 2010</i>	<i>Fall 2011</i>	<i>Fall 2012</i>	<i>Fall 2013</i>	<i>Fall 2014</i>
<b>Total</b>	11,260	11,729	12,287	12,734	<b>12,986</b>
<b>STEM</b>	3,548	3,936	4,335	4,573	<b>4,831</b>
<b>Percent STEM</b>	32%	34%	35%	36%	<b>37%</b>

### Graduate

<i>Enrollment</i>	<i>Fall 2010</i>	<i>Fall 2011</i>	<i>Fall 2012</i>	<i>Fall 2013</i>	<i>Fall 2014</i>
<b>Total</b>	3,426	3,702	4,007	4,198	<b>4,198</b>
<b>STEM</b>	982	1,049	1,135	1,335	<b>1,342</b>
<i>STEM Master's</i>	612	647	689	843	<b>869</b>
<i>STEM Doctoral</i>	370	402	446	492	<b>473</b>
<b>Percent STEM</b>	29%	28%	28%	32%	<b>32%</b>

### Total Enrollments

<i>Enrollment</i>	<i>Fall 2010</i>	<i>Fall 2011</i>	<i>Fall 2012</i>	<i>Fall 2013</i>	<i>Fall 2014</i>
<b>STEM</b>	4,530	4,985	5,470	5,908	<b>6,173</b>
<b>Percent STEM</b>	31%	32%	34%	35%	<b>36%</b>

### Certificates

<i>Enrollment</i>	<i>Fall 2010</i>	<i>Fall 2011</i>	<i>Fall 2012</i>	<i>Fall 2013</i>	<i>Fall 2014</i>
<b>Total</b>	777	853	801	723	<b>669</b>
<b>STEM</b>	223	204	184	182	<b>182</b>
<b>Percent STEM</b>	29%	24%	23%	25%	<b>27%</b>

## Degrees and Certificates Awarded in STEM Fields

More than one-third of UMass Lowell's degrees are consistently awarded in STEM fields, and the absolute number of both degrees and certificates awarded in STEM fields continues to increase. The University's wide variety of undergraduate and graduate certificate programs serve as pathways for students into STEM careers.

### Undergraduate

<i>Degrees</i>	<i>2009-10</i>	<i>2010-11</i>	<i>2011-12</i>	<i>2012-13</i>	<i>2013-14</i>
<b>Total Degrees</b>	1,514	1,678	1,872	2,079	<b>2,265</b>
<b>STEM</b>	492	518	626	701	<b>798</b>
<b>Percent STEM</b>	37%	31%	33%	34%	<b>35%</b>

### Graduate

<i>Degrees</i>	<i>2009-10</i>	<i>2010-11</i>	<i>2011-12</i>	<i>2012-13</i>	<i>2013-14</i>
<b>Total Degrees</b>	674	732	832	847	<b>979</b>
<b>STEM</b>	295	326	316	311	<b>389</b>
<i>STEM Master's</i>	265	282	278	258	<b>340</b>
<i>STEM Doctoral</i>	30	44	38	53	<b>49</b>
<b>Percent STEM</b>	49%	45%	38%	36%	<b>40%</b>

### Total Degrees

<i>Degrees</i>	<i>2009-10</i>	<i>2010-11</i>	<i>2011-12</i>	<i>2012-13</i>	<i>2013-14</i>
<b>STEM</b>	787	844	942	1,012	<b>1,187</b>
<b>Percent STEM</b>	36%	35%	35%	35%	<b>37%</b>

### Certificates

<i>Certificates</i>	<i>2009-10</i>	<i>2010-11</i>	<i>2011-12</i>	<i>2012-13</i>	<i>2013-14</i>
<i>UG Total Certs.</i>	103	96	110	124	<b>116</b>
<b>STEM</b>	72	58	68	71	<b>63</b>
<b>Percent STEM</b>	70%	60%	62%	57%	<b>54%</b>
<i>G Total Certs.</i>	288	295	390	392	<b>329</b>
<b>STEM</b>	36	52	50	45	<b>55</b>
<b>Percent STEM</b>	13%	18%	13%	11%	<b>17%</b>



### Degrees and Certificates Awarded in Healthcare Fields

Reflecting the overall rise in the number of degrees awarded by UMass Lowell, as well as the number of degrees awarded in STEM disciplines, the number of degrees and certificates awarded in the Healthcare field has steadily increased over the past five years. The number of Bachelor's degrees awarded in this field has jumped 68%, while the numbers of Master's and Doctoral degrees have both doubled in the same five-year timespan.

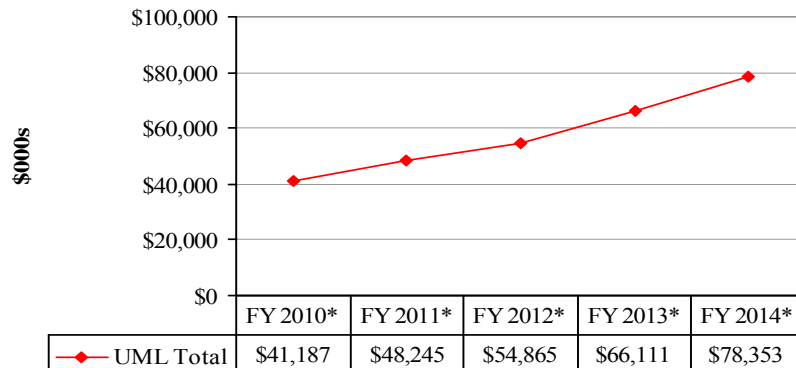
<i>Health Care Awards</i>	2009-10	2010-11	2011-12	2012-13	2013-14
<i>Bachelor's degrees</i>	151	183	201	228	<b>254</b>
<i>Masters degrees</i>	46	59	78	81	<b>92</b>
<i>Doctoral degrees</i>	22	29	42	40	<b>48</b>
<i>Res./Sch. Doctorates</i>	4	3	7	4	<b>8</b>
<i>Professional Practice Doctorates</i>	18	26	35	36	<b>40</b>
<i>Total Degrees</i>	219	271	321	349	<b>394</b>
<i>Total Certificates</i>	49	44	39	60	<b>41</b>

### FINANCIAL HEALTH

#### Endowment Assets and Annual Growth in Endowment

UMass Lowell's FY 2014 total endowment amount increased by over \$12M. This is the fifth consecutive year that has seen a jump in the size of the endowment, and is the largest year-on-year increase in terms of real dollars in the past six years.

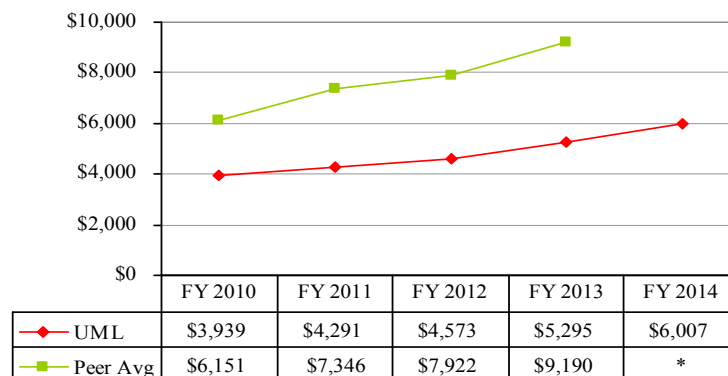
\*These figures include funds from UMass Lowell's independent *Alumni Association (a 501(c)3 organization)* which houses additional endowed funds directed toward the benefit of students at UMass Lowell. In FY 2014 these funds totaled \$6.7M.



<i>Growth in Endowment</i>	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014
	21%	17%	14%	20%	<b>19%</b>

#### Endowment per Annualized Student FTE

The Endowment Per Annualized Student FTE continued to increase this year, reaching over \$6,000 in FY 2014. This marks a six-year trend of year-on-year increases.

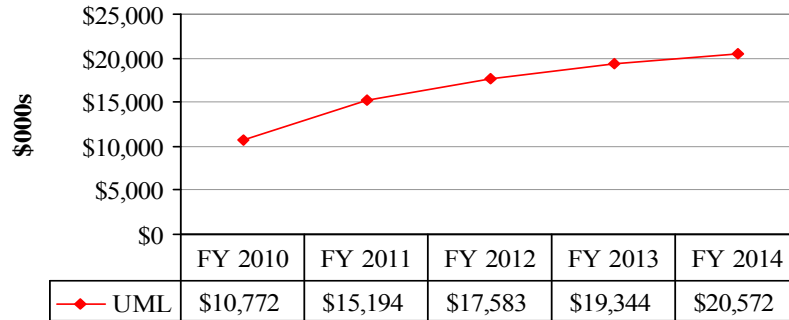


\*As of May 2015, peer data for FY2014 was not available.

### Private Funds Raised Annually

In FY 2014, the amount of private funds raised annually by UMass Lowell increased 6% over the previous year, to \$20.6 M.

*n.b.* These figures represent cash and commitments.



### Primary Reserve

UMass Lowell's FY 2014 primary reserve, which measures available unrestricted resources, decreased slightly this year, to 22.8%. Efforts to grow revenues and control expenditures are being implemented each year to stimulate and maintain continued growth.

Primary Reserve	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014
UML	22.6%	26.7%	21.9%	23.1%	<b>22.8%</b>
Peers	18.2%	19.5%	23.4%	25.0%	*

\*Peer data for FY 2014 is not yet available.

### Debt Service to Operations

The FY 2014 Debt Service to Operations ratio was 6.0%, a slight (and predicted) increase over last year's ratio. As indicated in last year's report, we anticipate that this ratio will increase in future years. UMass Lowell continues to review our financial capacity to take on more debt against the facility needs being identified through the Master Planning effort.

Debt Service to Operations	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014
UML	4.0%	4.2%	4.7%	5.8%	<b>6.0%</b>
Peers	3.1%	3.7%	4.2%	4.7%	*

\*Peer data for FY 2014 is not yet available.

### Deferred Maintenance per GSF

This ratio provides a relative measure of the amount of deferred maintenance at a campus. Historical figures were revised this year to reflect the data generated through the Sightlines process to benchmark and track the campus's progress.

Deferred Maintenance per GSF	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014
	\$175	\$179	\$195	\$189	<b>\$162</b>

## DEFINITIONS AND SOURCES

---

### ACADEMIC QUALITY INDICATORS

#### **Average High-School GPA of First-Time Freshmen.**

Cumulative GPA for college preparatory courses with additional weight to honors and AP courses, according to DHE admissions policy. Reported on all first-year students.

**Average SAT Scores of First-Time Freshmen.** Average SAT scores of freshmen are based on the arithmetic mean. The 25<sup>th</sup> and 75<sup>th</sup> percentiles and mean SAT scores are based on combined SAT scores of all first-year students. Peer scores may differ in percentage reporting because of the conversion from fixed ACT scores to SAT ranges. (Source: IPEDS)

**Average GPA of Transfer Students.** Cumulative GPA for college-level courses transferred to UMass Lowell according to admissions policy.

**Student-Faculty Ratio.** The ratio of FTE students to FTE instructional faculty. Faculty and students in stand-alone graduate or professional programs such as medicine, law, veterinary, dentistry, social work, business, and public health in which faculty teach virtually only graduate-level students are excluded. Teaching assistants are not counted as faculty. Data and definition are from CDS.

**Student Satisfaction with Educational Experience.** Percent of seniors who responded “good” or “excellent” to the question, “How would you evaluate your entire educational experience at this institution?” on the National Survey of Student Engagement administered in Spring 2014. Peer data are from NSSE.

**Technology-Enhanced Classrooms.** Classification of the campus’s total classroom capacity in terms of the level of technology support. Categories of classification are campus-specific.

**Doctoral Degrees Awarded.** Number of doctoral degrees awarded for AY 2013-14, which includes the August 2013, February 2014 and May 2014 award dates. These include both Research/Scholarship and Professional Practice doctorates. Peer comparison data is based on Research/Scholarship doctorates only.

**Postdoctoral Appointees.** The number of postdoctoral appointees as reported to the National Science Foundation (NSF).

**Total R&D Expenditures.** Research and development (R&D) expenditures in all academic fields from all sources (federal, state, local governments, industry,

private and institutional) as reported to NSF. Beginning FY 2010, this figure includes non-S&E expenditures for all years reported.

**Federal R&D Expenditures.** R&D expenditures in all academic fields from all federal sources, as reported to NSF.

**Total R&D Expenditures Ranking.** Annual NSF ranking of Total R&D expenditures, for all postsecondary institutions participating in the NSF HERD Survey. Data source is NCES WebCaspar/NSF HERD data tables.

**Total R&D Expenditures Ranking Among Carnegie Peers, US Publics, Non-Medical Institutions.** UMass Lowell’s rank in the annual NSF ranking of Total R&D expenditures among public institutions of higher education with a Carnegie classification of “Research University/High Activity” and with no medical school. Data source NCES WebCaspar/NSF HERD data tables. Ranking computed by campus.

**Total R&D Expenditures per Tenure-System Faculty.** R&D expenditures in all academic fields from all sources (federal, state, local governments, industry, private and institutional) as reported to NSF, divided by total tenure-system faculty as reported to IPEDS. Peer data are from NSF/IPEDS.

**Number of Patent Applications.** Number of U.S. Patent applications filed per year. Data source: Data reported by campuses to UMass President’s Office, Office of CVIP; Vice Provost for Research.

**License Income.** Amount of annual income from license agreements. Data source: Data reported by campuses to UMass President’s Office, Office of CVIP.

**Percent Tenured/Tenure-Track Faculty.** Percentage based on ratio of Tenure-stream Faculty FTE to Total Faculty FTE.

**New Tenured/Tenured-Track Faculty Hired.** The number of new Tenured/Tenure-track Instructional Faculty members hired to start their new positions in the academic year.

**New Tenured/Tenure-Track Faculty Hired as Percent of All Tenured/Tenure-Track Faculty.** Definition of ‘New’ Hires per IPEDS Definitions. Number of ‘Newly hired’ Tenured/Tenure-track faculty divided Total Tenured/Tenure-track Faculty of an IPEDS reporting cycle.

**Change in Tenured/Tenure-Track Faculty.** The difference in the number of tenured/tenure-track faculty from one Fall semester to the next. For the 2015 PMS

report, the difference will be between the figures for Fall 2014 and Fall 2013. Faculty members who are on paid leave are included, as are the individuals holding tenure whose primary responsibility is administrative.

**Change in Total Faculty FTE.** The difference in the total FTE from one Fall semester to the next for all full-time and part-time instructional faculty teaching state-supported and non-state-supported courses. Includes faculty members who are on paid leave and those holding tenure whose primary responsibility is administrative. For the 2015 PMS report, the difference will be between the figure for Fall 2014 and Fall 2013.

**Percent Faculty-of-Color (based on Full-time Instructional Faculty).** The proportion of full-time instructional staff who are U.S. citizens or permanent residents and report their race/ethnicity to be one or more of the following: Hispanic/Latino, American Indian or Alaska Native, Asian, Black or African-American, Native Hawaiian or Other Pacific Islander, or Two or More Races. Race/ethnicity definition is based on IPEDS.

**Percent Women Faculty (based on Full-time Instructional Faculty).** The proportion of full-time instructional staff who identify themselves as female.

**Faculty Awards.** Number of faculty with awards from a list of 24 prominent grant and fellowship programs in the arts, humanities, sciences, engineering and health fields (e.g., Fulbright American Scholars, Guggenheim Fellows, MacArthur Foundation Fellows, National Endowment for the Humanities Fellows, NSF Career Awards, Sloan Research Fellows). Data reported in *The Top American Research Universities*. Source: Arizona Center for Measuring University Performance.

**National Academy Members.** Number of faculty with active or emeritus status who have been elected to membership in the National Academy of Sciences, the National Academy of Engineering, or the Institute of Medicine. Data reported in *The Top American Research Universities*.

#### ACCESS AND AFFORDABILITY INDICATORS

**Percent (In-State) Pell Grant Recipients.** Federal Pell Grants are awarded to low-income undergraduates based on their expected family contribution. Data as reported by campuses to the UMass President's Office in the Financial Aid Template.

**Percentage Need Met for In-State Students Awarded Need-Based Aid.** The average percentage of demonstrated financial need that is met by the institution's award of need-based aid to full-time students. Data as reported to the UMass President's Office in the Financial Aid Template.

**Average Student Debt Load (UG).** The average-per-undergraduate-borrower cumulative principal borrowed through any loan program of those who graduated between July 1, 2011 and June 30, 2012 who started at UMass Lowell as first-time students. Includes only those loans made to students while they were enrolled at UMass Lowell, as well as co-signed loans. Excludes students who transferred to UMass Lowell from another institution, and any money borrowed at any other institution.

**Percent Graduating Class with Debt (UG).** The percentage of those who graduated with a Bachelor's degree between July 1, 2011 and June 30, 2012 who borrowed at any time through any loan programs.

**Percent Undergraduates from Massachusetts.** A measure of accessibility, the percentage of undergraduate students who are Massachusetts residents based on tuition residency and/or permanent address (for continuing education students) at the time of their initial enrollment at UMass Lowell.

**Online Course Registrations.** The total annual online (distance education) course registrations.

**Annual Growth in Online Course Registrations.** The year-on-year percent increase in the annual number of online (distance education) course registrations.

#### STUDENT SUCCESS AND SATISFACTION INDICATORS

**Percentage Undergraduates Who are Students of Color.** Undergraduates who are Cape Verdean, African-American/Black, Hispanic/Latino, Asian, Native American, Hawaiian/Pacific Islander, and Two or More Races, divided by total U.S. citizens and permanent residents who report their race/ethnicity. Due to the 2010 changes in IPEDS race and ethnicity classifications, trend data on students of color should be viewed with caution.

**Percentage Undergraduates Who are First-Generation in College.** First-generation college students are those neither of whose parents attended a postsecondary institution. This estimate is drawn from the National Survey for Student Engagement (NSSE), which is administered only to freshmen and senior students.

**Percent Undergraduates with English as a Second Language.** Percentage of undergraduates whose first language was not English. The survey which captures this information, the Cooperative Institutional Research Program's (CIRP) Freshman Survey, was not fielded at UMass Lowell this year.

**Percent Undergraduates who are International.** Percentage of undergraduates who are non-resident aliens, studying at UMass Lowell on a student visa and enrolled in credit-bearing courses. Does not include U.S. citizens, permanent residents, or refugees. UMass Lowell also

reports the university total, which includes graduate students.

**Number of Students who Participated in a Study Abroad Program.** The number of students who were reported as having taken for-credit instruction. It should be noted that only those students who accessed such programs through the UMass Lowell Office of Study Abroad and International Experiences are included here. (Source: IIE Open Doors survey).

**Freshman One-Year Retention Rate.** Percent of first-time, full-time, degree-seeking freshmen who entered in a given Fall and were still enrolled at UMass Lowell in the following Fall. Peer data as reported to IPEDS.

**Freshman Four-Year Graduation Rate.** Percent of first-time, full-time, degree-seeking freshmen who entered in a given Fall and graduated from UMass Lowell by the end of their fourth year. Peer data as reported to IPEDS.

**Freshman Six-Year Graduation Rate.** Percent of first-time, full-time, degree-seeking freshmen who entered in a given Fall and graduated from UMass Lowell by the end of their sixth year. Peer data as reported to IPEDS.

**Transfer (Full-Time) One-Year Retention Rate.** Percent of full-time transfer students at any level who entered in a given Fall and were still enrolled or graduated as of the following Fall.

**Transfer (Upper-Division) Four-Year Graduation Rate.** Percent of full-time upper division transfers (60+ credits) who entered in a given Fall and graduated within four years.

**Student Achievement Measure (SAM) Data – Bachelor’s Seeking Module.** Report on first-time, full-time degree-seeking freshman cohort based on data sent to National Student Clearinghouse and reported to the Student Achievement Measure project.

**Alumni Participation Rate.** The percentage of alumni giving serves as a proxy for how satisfied students are with the school. The average percentage of undergraduate alumni of record who donated money to UMass Lowell. “Alumni of record” are former full- or part-time students who received an undergraduate degree and for whom UMass Lowell has a current address. The alumni giving rate is calculated by dividing the number of alumni donors during a given academic year by the number of alumni of record for that same year. These two separate alumni giving rates are then averaged for the last two academic years. Graduates who earned only a graduate degree are excluded. Undergraduate alumni donors are alumni with undergraduate degrees from an institution who made one or more gifts for either current operations or capital expenses during the specified academic year. Data is from *U.S. News & World Report*.

## SERVICE TO THE COMMONWEALTH INDICATORS

**Percent Alumni who Live in Massachusetts.** Percentage of total alumni who currently reside in Massachusetts, based on alumni records.

**Incoming Class Composition.** The proportion of the new students in a given Fall semester comprised by freshmen and by transfers.

**Degree Completions.** The number of degrees (not including certificates) awarded in the previous academic year, by degree level.

**Enrollment in Science, Technology, Engineering, and Mathematics (STEM) Programs.** Total number of students enrolled in STEM programs. Enrollment count includes degree-seeking undergraduate, graduate and certificate students.

**Degrees and Certificates Awarded in STEM Fields.** The number of undergraduate degrees, graduate degrees and certificates awarded in STEM fields.

**Degrees and Certificates Awarded in Health Care Fields.** The number of undergraduate degrees, graduate degrees and certificates awarded in Health Care fields (generally, CIP code of 51).

**MTEL Science & Math Test-Takers.** Total number of students who completed their program at UMass Lowell and took the Massachusetts Tests for Educator Licensure (MTEL) subject tests in science and math fields.

## FINANCIAL HEALTH INDICATORS

**Total Endowment, Endowment Growth, and Endowment per Annualized Student FTE.** The total value of the endowment at the end of the most recent fiscal year and the percent change from previous year is reported. UMass Lowell includes in its endowment those funds held by UMass Lowell’s independent Alumni Association, a 501(c)3 organization which funds are directed toward the benefit of UMass Lowell’s students. The per-student ratio is based on total annualized FTEs, including non-degree seeking students in OCE.

*n.b. Because UMass Lowell includes its independent Alumni Association’s funds in the endowment figures reported here, these figures will differ from those found in the UMass Foundation report to the Board of Trustees. This methodology is different from that used by the other UMass campuses. Therefore, any comparisons should be done with caution.*

**Private Funds Raised Annually.** Private funds include restricted and unrestricted income from individuals,

foundations, corporations, and other organizations. Private grant revenues are included, while private contract revenues are excluded. Totals for each year include pledges made in that year as well as the value of in-kind contributions.

**Primary Reserve.** Expendable fund balance as a percentage of unrestricted expenditures and mandatory transfers.

**Debt Service to Operations.** Debt service as a percentage of unrestricted expenditures and mandatory transfers.

**Deferred Maintenance per GSF.** An indicator of the physical condition of the campus's facilities. Here, the amount of deferred maintenance per gross square footage is reported.

#### **PEER INSTITUTIONS FOR UMASS LOWELL**

Georgia State University  
 San Diego State University  
 University of Maine (Orono)  
 University of Maryland -- Baltimore County  
 University of New Hampshire\*  
 University of Rhode Island\*  
 University of Wisconsin – Milwaukee  
 Virginia Commonwealth University

*\* aspirant peer*

## HEADLINES FROM THE 2015 ANNUAL INDICATORS

---

University of Massachusetts Medical School (UMMS) continues to perform effectively in areas critical to its mission and its newly revised strategic plan. Resource constraints common to all academic health science centers require the campus to constantly balance demands for investment with competing priorities. Ongoing achievements in basic, clinical and translational research, the maturation of the new medical education curriculum, and successful recruitment and development initiatives continue to be positive.

Research and faculty achievement, and strong efforts in resource maximization and operational efficiencies continue, as called for in the new strategic plan. “Vision 2020” is a rational plan that acknowledges financial pressures, including flat state support. It requires UMMS to prioritize educational and research initiatives. Nonetheless, the commitment to education, research, service, and training initiatives remain the hallmarks of the campus mission.

Research and development activity continues to be a foundation for the future, although federal NIH cuts have unquestionably affected research support; projections for the near term include increased competition for a shrinking federal research pool. The UMMS faculty continue to compete favorably for funding and achievements.

- Academic quality: The Worcester campus continues to attract exceptionally qualified students to the School of Medicine (SOM), as judged by admission test scores, residency match results, and performance on licensing exams. The increase to a class size of 125 students has been an exceptionally successful initiative, increasing the number of physicians in training with no negative impact on student quality or performance. SOM graduates continue to rank their educational experience as highly satisfactory, and interest in the SOM remains high. The Graduate School of Nursing (GSN) is capably managing its curriculum, course offerings, and cross-disciplinary involvement in a changing academic and practice environment. Graduates from the Doctorate of Nursing Practice degree program, the Graduate Entry Pathway, and the doctoral program are meeting important needs in areas of both practice and education for the campus and the region. The Graduate School of Biomedical Sciences (GSBS) continues to track favorably to peer institutions; student achievement is notable. The GSBS reputation, enhanced by the presence of
- faculty with national and international achievements, continues to attract top-quality students and faculty.
- The quality and reputation of the UMMS faculty continues to grow. A competitive award from the Mass Life Sciences Center for a \$5 million electron microscopy facility explicitly acknowledged the quality of the faculty research as key to the success of the proposal; Greg Pazour, PhD, was awarded the Lillian Jean Kaplan International Prize; Zhao Zhang, PhD, received the Genetics Society of America Sandler Award; and third year medical student, Tedi Begaj, is among 63 of the nation's top medical and veterinary students selected to participate in the HHMI Medical Research Fellows Program.
- Research growth, productivity, and faculty recruitment: Research productivity is significant across the departments, in part because of continued recruitment and investment in the clinical and translational sciences. Multidisciplinary programs in gene therapy, structural biology, clinical and translational science, and outcomes research are creating new opportunities for research growth and faculty recruitment. A \$2 million gift to support the Gene Therapy Center from an international venture capital firm indicates the prominence of the Center's reputation.
- Crucial to the continued success of the Medical School is the ability to attract high quality students that will be able to meet the diverse cultural needs of underserved populations in the state. The five-campus baccalaureate to MD recruitment program has begun to identify additional highly qualified undergraduate candidates within the system who might otherwise pursue medical careers elsewhere. The first students in this initiative will join the SOM this fall. For the SOM, current applicants are extremely competitive and match or exceed class profiles of previous years. Student access and affordability can be measured and supported by the learning contract option, which in relation to tuition and fees, continues to track favorably for the current year.
- Anecdotal evidence, such as rankings in the *US News & World Report* “Best Graduate Schools” continues to reinforce the reputation of the SOM as a high quality, affordable institution: the 2015 *US News* ranking places the SOM 12<sup>th</sup> in the nation for

## UMASS MEDICAL SCHOOL

primary care; 49<sup>th</sup> among research institutions. Performance of medical students on benchmark exams and nursing students on board certification, along with residency program match results, are good supporting indicators of quality.

Implementation of the new curriculum suggests that the new learner-centered changes will indeed be a key distinguishing element in the medical school's educational success.

UMMS, like its peer institutions, continues to face difficult decisions in financing the support of strategic

priorities. The campus is committed to mapping and achieving new and ambitious strategic goals, supported by a realistic plan for its vision: to remake life sciences education, research, and care in the Commonwealth. As achievements and discoveries in the life sciences portend an exciting future—one where the fruits of research positively impact human lives and at a time when the need for highly talented physicians, scientists and advanced practice nurses is projected to grow dramatically—UMMS is well positioned to respond.



## 2015 ANNUAL INDICATORS AT A GLANCE

## ACADEMIC QUALITY

---

• Average Biology MCAT Scores	11.3
• Student Satisfaction w/ Educational Experience	96%
• Technology-Enhanced Classrooms	57
• Doctorates Awarded	192
• Postdoctoral Appointees	320
• Total R&D Expenditures	\$241.9M
• Total R&D Expenditures Rankings	84
• Total R&D Expenditures Per FT Faculty	\$173,881
• Federal Research Support Per FT Faculty	\$112,242
• NIH Funding For Medical Schools	\$131.6M
• Rank in US News (Primary Care)	12 <sup>th</sup>
• Patent Applications	78
• License Income	\$29.9M
• AUTM Ranking of Licensing Income	15 <sup>th</sup>
• Percent Tenured/Tenure Track Faculty	19%
• New Tenured/Tenure-Track Faculty Hired	7
<i>As Percent of Total T/TT Faculty</i>	3.30%
• Change in Tenured/Tenure-Track Faculty	-2
• Change in Faculty FTE	13
• Full-time Instructional Faculty	
<i>Percent Faculty of Color</i>	26%
<i>Percent Women Faculty</i>	36%
• Faculty Awards	15
• National Academy Members	5
• Howard Hughes Investigators	7

## ACCESS AND AFFORDABILITY

---

• Tuition & Fees	\$23,350
• Tuition & Fees (Including Adjustment for Learning Contract)	\$ 17,782

## STUDENT SUCCESS AND SATISFACTION

---

• Match Rate/Choice of Residency	98%
• Licensure/Certification Pass Rates	
<i>USMLE Step 1</i>	99%
<i>USMLE Step 2 (CK)</i>	98%
<i>USMLE Step 2 (CS)</i>	100%
<i>GSN State Certification</i>	90%
• Alumni Participation Rate	19.3%

## SERVICE TO THE COMMONWEALTH

---

• Percent Alumni who Live in MA	60%
• Enrollment in STEM Programs	1068
• Degrees Awarded in STEM Fields	250
• Service to State Agencies	\$399.4M

## FINANCIAL HEALTH

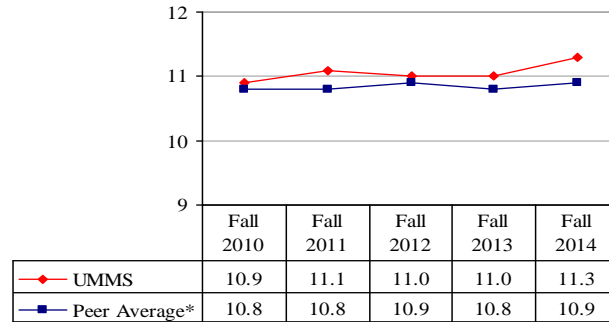
---

• Total Endowment	\$196.4M
• Endowment Per Student	\$184,403
• Private Funds Raised Annually	\$32.1M
• Primary Reserve	28.2%
• Debt Service to Operations	5.6%
• Deferred Maintenance per GSF	\$84

## ACADEMIC QUALITY

### Mean Biology MCAT Score

MCAT scores provide a predictor of a student's success in medical school. It is widely used in the admissions process, but never as the only principal indicator of a student's academic preparation. It is, however, an indicator that is available to compare incoming students across institutions. MCAT scores range from 1 to 15, with 15 being the highest possible score. For the past five years, the mean MCAT score for first year UMMS medical students has been consistently higher than the peer average. Peer data is all AAMC Medical Schools.



Peer Source: AAMC Medical Schools

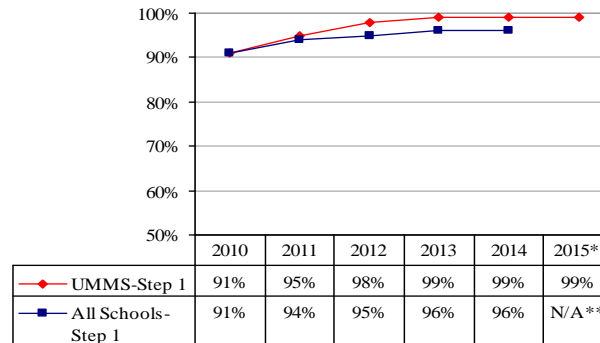
\* Note: 2010-12 Peer Average scores are updated to reflect changes in peer source due to AAMC fees.

### Pass Rates on USMLE Step 1 and Step 2 (CK, CS)

The USMLE (United States Medical Licensing Examination) is a national licensing examination for physicians and is the single path to medical licensure in the United States.

The Step One exam covers basic science information and is taken in most medical schools at the end of the second year; Step Two (CK, CS) covers clinical science information and is usually taken during the fourth year.

Rates reflect the level of knowledge of UMMS students in comparison to students from all U.S. and Canadian medical schools. Typically, UMMS pass rates are at or above national pass rates.



Source - National Board of Medical Examiners: Performance of Examinees

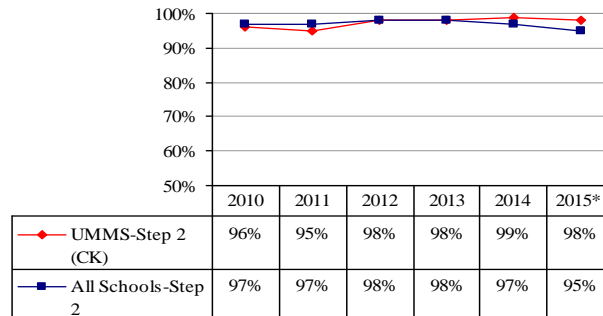
\*1st-time test-takers (n=106) who took Step 1 between 1/1/15-4/24/15

Raw data pulled on 5/13/15 from NBME website, awaiting preliminary report with UMMS and National data.

\*\* All Schools-Step 1 data is currently not available.

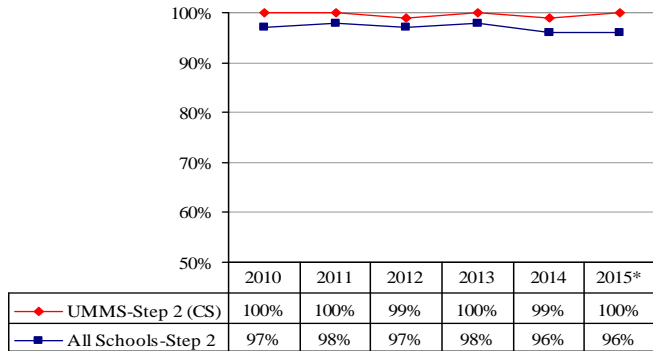
Peer Comparison - All U.S. and Canadian Medical Schools, Data by Academic Year

\*1st-time test-takers (n=84) who took Step 2 (CK) between 7/1/14-2/14/15 Data from NBME preliminary report released on 3/4/15 Peer Comparison - All U.S. and Canadian Medical Schools, Data by Academic Year.



Source - National Board of Medical Examiners: Performance of Examinees.

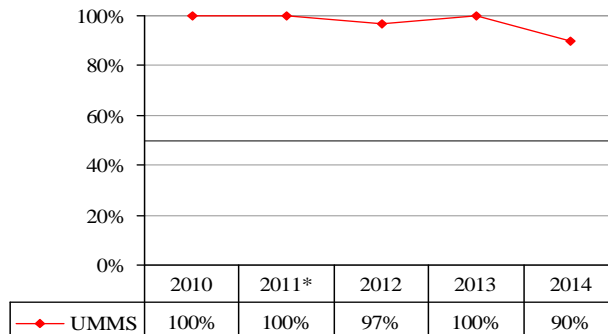
**Pass Rates on USMLE Step 1 and Step 2 (CK, CS) (Cont'd)**



Source - National Board of Medical Examiners: Performance of Examinees  
 \*1st-time test-takers (n=61) who took Step 2 (CS) between 7/1/14-2/7/15  
 Data from NBME preliminary report released on 4/16/15  
 Peer Comparison - All U.S. and Canadian Medical Schools, Data by Academic Year

**Pass Rates on Nursing Board Certification**

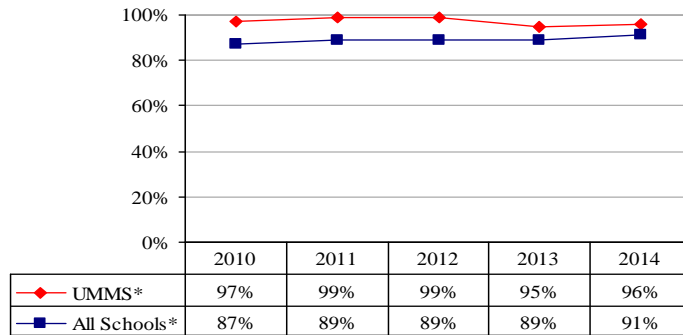
Nursing Board certification signifies advanced registered nurses who have met requirements for clinical and functional practice in a specialized field, pursued education beyond basic preparation, and received the endorsement of their peers. After meeting these criteria, health care professionals take certification examinations based on nationally recognized standards of practice to demonstrate their knowledge, skills, and abilities within the defined specialty. All registered nurses who wish to practice in Massachusetts must pass the certification examination (NCLEX-RN). Several other states have a similar requirement. GSN has maintained high pass rates compared to the national average.



Data by Calendar Year  
 \*Note: 2011 data was updated because data provided this year was collected based on calendar year (not academic year).

### Student Satisfaction With Educational Experience

From the AAMC Graduation Questionnaire, this data represents the percentage of graduating students that responded "very satisfied" with the overall quality of their medical education. The level of satisfaction can be influenced by several factors, including time devoted to instruction and preparation for Eesidency. Measures reported compare student responses of "strongly agree and agree" from UMMS to all public medical school on an annual basis. Results show UMMS students continue to be much more satisfied with the quality of their education than students from all AAMC medical schools.



Source: AAMC Graduate Questionnaire Medical Schools, Data by Class Year  
 \*Note: 2010 All-Schools percentage and 2012 UMMS percentage were updated due to rounding.

### Technology-Enhanced Classrooms

All classrooms at UMass Medical School are enabled with standard technologies Tier 1 equipment. Some classrooms are equipped with additional technology components

**Tier 1 Standard Classroom**

**Technology:**

All classrooms at UMass Medical School are equipped the following standard equipment and controllers including; teaching podium, podium computer, document camera, dvd/vcr player, laptop connection, power conditioner, and Extron 104ip controller.

**Lecture Capture Enabled Classroom:**

These rooms include Tier 1 technology and camera, microphone, mixer and an Echo SafeHD recording appliance to facilitate automated lecture capture.

UMMS Technology-Enhanced Classrooms	AY 2013-2014	
	No of Classrooms	Percent of Total
Tier 1 Standard Classroom Technology	48	84%
Lecture Capture Enabled Classroom	9	16%
<b>Total Classrooms/Teaching Spaces</b>	<b>57</b>	<b>100%</b>

### Doctoral Degrees Awarded

In 2014, 192 doctorates were awarded, including 58 research/scholarship and 134 professional practice doctorates. Enrollment and the number of PhD programs offered continues to expand. Median from 20-school peer list includes only research/scholarship (PhD) doctorates.

UMMS Doctoral Degrees Awarded	2009-10	2010-11	2011-12	2012-13	2013-14
Research/Scholarship Doctorates	47	66	66	52	<b>58</b>
Professional Practice Doctorates	105	89	119	124	<b>134</b>
Total Doctoral Degrees Awarded	152	155	185	176	<b>192</b>
UMMS Research/Scholarship Doctorates	2009-10	2010-11	2011-12	2012-13	2013-14
UMMS	47	66	66	52	<b>58</b>
Peer Median	114	99	103	96	<b>99</b>

Source: IPEDS

Note: 2009-2012 Peer Median updated to better align with UMMS biological/biomedical sciences and health professions and related programs.

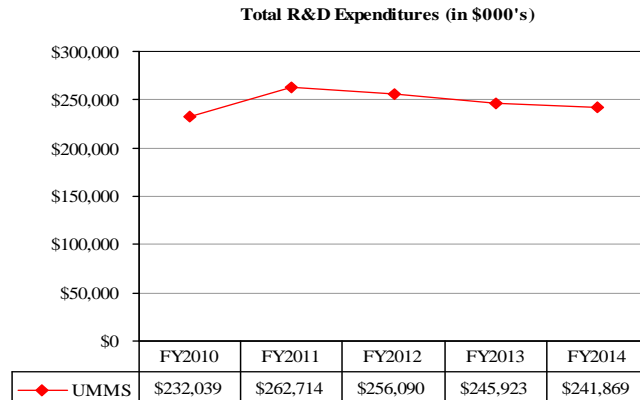
**Postdoctoral Appointees**

The number of post-doctoral appointees is an indicator of the size and quality of the research enterprise.

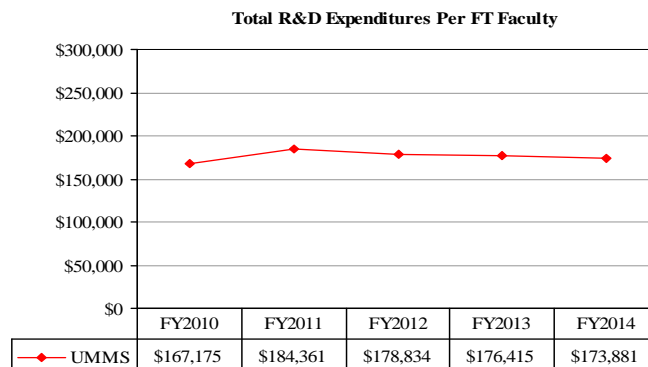
<i>Postdoctoral Appointees</i>	2010	2011	2012	2013	2014
	440	480	325	394	<b>320</b>

**Total Research & Development (R&D) Expenditures**

The Worcester Campus remains committed to research growth in a number of key areas, especially in the clinical and 'bench to bedside' arenas. New faculty recruitment will positively impact productivity and total research support. Peer data for medical schools separate from parent university not readily available.



Source: NSF ( R&D expenditures at all universities and colleges with a medical school, All funds).



\* Note: FY10 FT faculty count updated due to change in methodology.

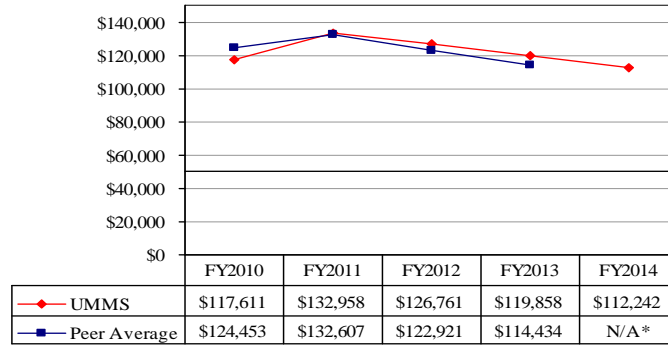
**Total R&D Expenditures Rankings**

<i>Total R&amp;D Rank</i>	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013
<i>Overall Ranking</i>	94	84	79	81	<b>84</b>

n.b. Ranking based on Carnegie Peers is further standardized by US Publics.

**Federal Research Support per Full-Time Faculty**

Federal Research Support per Faculty is a rough measure of faculty involvement in research. The amount of funding through federal research grants and contracts is a standard for measuring the success of a medical institution's faculty in achieving research goals. The 20-school peer average comes from AAMC Ad Hoc report.

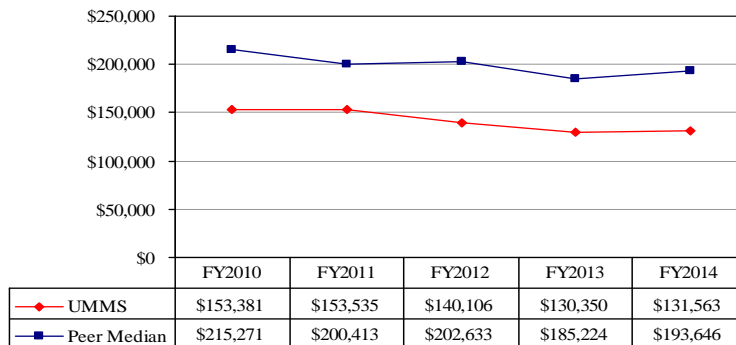


Source: AAMC Ad Hoc Report, 20 school peer list  
 \* FY2014 Peer Average data is currently not available.  
 Note: FY10 FT faculty count updated due to change in methodology.

**NIH Funding Among Medical Schools**

The National Institutes of Health (NIH) awards funds on an annual basis to investigators throughout the U.S. and abroad. NIH funded research provides a benchmark to compare the level of funding for research.

**NIH Funding (in \$000's)**



Source: NIH Ad Hoc Report, 20 school peer list

**US News Ranking**

The ranking by U.S. News & World Report is based on 156 schools, comprising accredited medical schools and schools of osteopathic medicine, identifying those with a focus on primary care education. UMMS is consistently ranked in the top ten percent and has held a spot near the top of the category since the magazine began its rankings in 1994.

US News Ranking	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015
	8	7	9	5	12

### Number of Patent Applications

The number of patent applications filed is an indicator of an institution's inventiveness and the commercial potential of its academic work. These numbers are expected to increase in the future as our newly hired investigators begin to make their invention disclosures.

<i>Patent Applications</i>	<i>FY 2010</i>	<i>FY 2011</i>	<i>FY 2012</i>	<i>FY 2013</i>	<i>FY 2014</i>
	64	47	39	62	<b>78</b>

### License Income

License income is a measure of the economic value of an institution's inventiveness and contributes to the University's economic health. It is difficult to predict when or for what products or processes a license will begin to generate significant income. At UMMS, there has been a steady flow of licensing revenues received from the sale of products invented.

(In \$000's)

<i>License Income</i>	<i>FY 2010</i>	<i>FY 2011</i>	<i>FY 2012</i>	<i>FY 2013</i>	<i>FY 2014</i>
	\$38,377	\$34,821	\$52,642	\$33,823	<b>\$29,930</b>

### AUTM Ranking of License Income

This indicator reports the ranking of licensing income/technology performance as reported on the Association of University Technology Managers (AUTM) Annual Survey. Total respondents include U.S. & Canadian academic and non-profit institutions and Patent Management Firms. Measures reported reflect UMass system ranking; however UMMS represents 95% of UMass System total licensing revenue for FY 2013. FY2013 is the most recent data available.

<i>AUTM Rank</i>	<i>FY 2010</i>	<i>FY 2011</i>	<i>FY 2012</i>	<i>FY 2013</i>	<i>FY 2014</i>
<i>UMMS</i>	13	14*	11	15	NA**
<i>Total</i>	150	154*	155	162	NA**

\* Note: FY 2011 data is updated to align with previous methodology - excluding research hospitals.

\*\* FY 2014 data is currently not available.

### Percent Tenured/Tenure-Track Faculty

This indicator reflects stability across the past five years.

\*Methodology changed with establishment of IR office in 2012.

<i>Percent T/TT Faculty</i>	<i>Fall 2010</i>	<i>Fall 2011</i>	<i>Fall 2012</i>	<i>Fall 2013</i>	<i>Fall 2014</i>
<i>% T/TT</i>	19%	14%	19%	19%	<b>19%</b>
<i>% Non TT/PT</i>	81%	86%	82%	81%	<b>81%</b>

### New Tenured/Tenure-Track Faculty Hired

In FY 2014, UMMS hired seven new tenured/tenure-track faculty as the campus continues to recruit new faculty in support of the on-going growth of the research enterprise.

<i>New T/TT Faculty Hired</i>	<i>FY 2010</i>	<i>FY 2011</i>	<i>FY 2012</i>	<i>FY 2013</i>	<i>FY 2014</i>
	15	8	13	13	7

### New Tenured/Tenure-Track Faculty Hired as Percent of All Tenured-track Faculty

This indicator reflects stability across the past five years.

\*Methodology changed with establishment of IR office in 2012.

	<i>Fall 2010</i>	<i>Fall 2011</i>	<i>Fall 2012</i>	<i>Fall 2013</i>	<i>Fall 2014</i>
<i>Total T/TT Faculty</i>	220	192	210	215	212
<i>Total New Hires</i>	6	2	6	4	7
<i>Percent of Total</i>	2.73%	1.04%	2.86%	1.86%	3.30%

### Change in Tenured/Tenure-Track Faculty

While there were two fewer tenured/tenure-track faculty as of June 30, 2014 compared to June 30, 2013, UMMS continues to grow its faculty in support of the on-going growth of the basic and translational research enterprises.

<i>Change in T/TT Faculty</i>	<i>Fall 2010</i>	<i>Fall 2011</i>	<i>Fall 2012</i>	<i>Fall 2013</i>	<i>Fall 2014</i>	<i>1-Year Change</i>
	239	243	246	248	246	-2

### Change in Faculty FTE

The total FTE, both tenured/tenure track and non-tenured, is stable as of June 30, 2014, as the campus continues the support of its on-going plan to grow the clinical and research enterprises.

<i>Change in Faculty FTE</i>	<i>Fall 2010</i>	<i>Fall 2011</i>	<i>Fall 2012</i>	<i>Fall 2013</i>	<i>Fall 2014</i>	<i>1-Year Change</i>
	1,594	1,613	1,605	1,532	1,545	13

\* FY10-FY11 faculty FTE updated due to change in methodology to include all three schools on UMMS Campus.



### Faculty by Race and Gender

This indicator reflects stability across the past five years.

Full-Time Instructional Faculty					
Faculty Of Color	Fall 2010	Fall 2011	Fall 2012	Fall 2013	Fall 2014
Number	250	262	239	251	<b>250</b>
Percent	24%	29%	25%	26%	<b>26%</b>

Women Faculty	Fall 2010	Fall 2011	Fall 2012	Fall 2013	Fall 2014
Number	357	459	346	362	<b>367</b>
Percent	34%	38%	34%	36%	<b>36%</b>

*n.b. Faculty of Color based on US Citizens/Permanent Residents reporting Race/Ethnicity according to new IPEDS definitions. Does not include Unknowns and Non Resident Aliens.*

### Faculty Awards

Based on most recent up-to-date data available in the Top American Research Universities, 2012 Annual Report; public and private Institutions ranked separately; Peer data for medical schools separate from parent university not readily available.

	2009	2010	2011	2012	2013
UMMS	16	17	16	15	NA**

*Source: The Top American Research Universities, 2012 Annual Report.*

*\* Note: Years are now aligned with annual report from Top American Research Universities.*

*\*\*2013 Data is currently not available.*

### National Academy Members

The Top American Research Universities Annual Report; public and private institutions ranked separately; peer data for medical schools separate from parent university not readily available.

	2009	2010	2011	2012	2013
UMMS	5	5	5	5	5

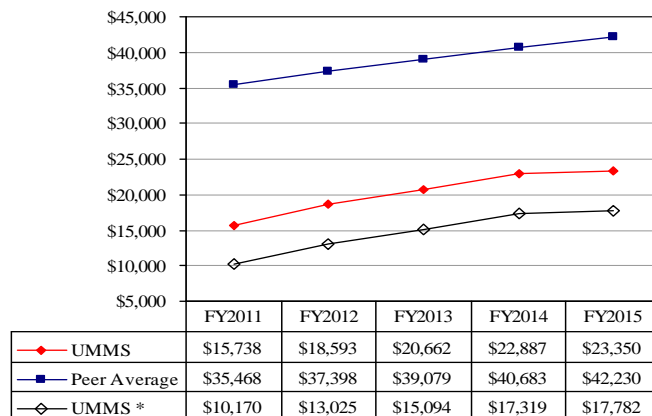
*Source: The Top American Research Universities Annual Report.*

*\*Note: National Academy includes Royal Society.*

## ACCESS AND AFFORDABILITY

### Tuition & Fees (includes adjustment for learning contract)

This indicator measures the annual medical school tuition and mandatory fees against peer institutions. UMMS' tuition and fees continue to be significantly lower than the average for 20-school peer list. Under the learning contract, students may defer two-thirds of their tuition. The deferral is to be paid upon completion of residency, internship, or fellowship. The deferral can be repaid either by four years of service in the Commonwealth of Massachusetts in a primary care practice, other specialty practice in an underserved area of public need, or by repaying the deferred amount with interest over eight years.



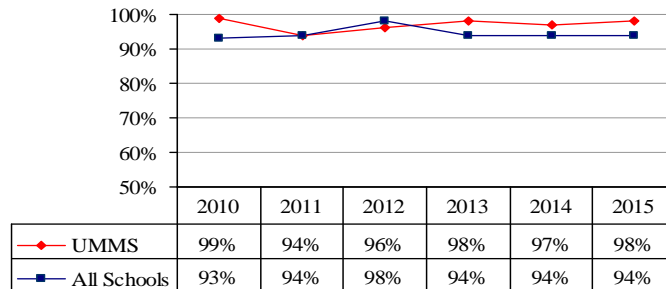
*\* UMMS Tuition and Fees adjusted for learning contract*

*Peers Source: From AAMC, 20-school peer list*

## STUDENT SUCCESS AND SATISFACTION

### Acceptance Rate to Choice of Residency

This indicator measures the percent of graduates who were matched to one of their choices of residency. Rates reflect the competitive strength of UMMS students in comparison to students graduating from all U.S. and Canadian medical schools. UMMS students have done very well in the match, consistently showing a higher percentage of graduates accepted to their residency choice. In 2015, of the students going through the NRMP, 98% were matched to their choice of residency.



Peers Source: National Resident Matching Program, All Schools

### Alumni Participation Rate

Alumni Participation Rate	2014
	19.3%

## SERVICE TO THE COMMONWEALTH

### Percent Alumni Who Live in Massachusetts

Sixty percent of UMMS alumni live in Massachusetts as of Fall 2014.

Percent Alumni Who Live	Fall 2010	Fall 2011	Fall 2012	Fall 2013	Fall 2014
	56%	59%	51%	59%	<b>60%</b>

### Enrollment in STEM Programs

Total number of students enrolled in STEM (Science, Technology, Engineering and Mathematics) Programs at UMMS that contribute to the Commonwealth's workforce in the STEM areas.

	Fall 2010	Fall 2011	Fall 2012	Fall 2013	Fall 2014
Total Enrollment	1,100	1,128	1,106	1,091	<b>1,068</b>
STEM Enrollment	1,100	1,128	1,106	1,091	<b>1,068</b>
Percent STEM	100%	100%	100%	100%	<b>100%</b>

### Degrees Awarded in STEM Fields

Total number of students enrolled in STEM (Science, Technology, Engineering and Mathematics) Programs at UMMS that have received degrees in the STEM fields.

Graduate					
	2009-10	2010-11	2011-12	2012-13	2013-14
<i>Total</i>	195	203	243	233	<b>250</b>
<i>STEM</i>	195	203	243	233	<b>250</b>
<i>Percent STEM</i>	100%	100%	100%	100%	<b>100%</b>

### Service to State Agencies

This indicator measures the annual amount expended for state sponsored grants and contracts and the provision of public service activities to other Massachusetts state agencies. This number is significantly larger than that of peer institutions as a result of the contracts for policy analysis and programmatic development within Commonwealth Medicine. Commonwealth Medicine is a specialized organization within UMMS that focuses solely on providing health care consulting services to state agencies. Peer data not available.

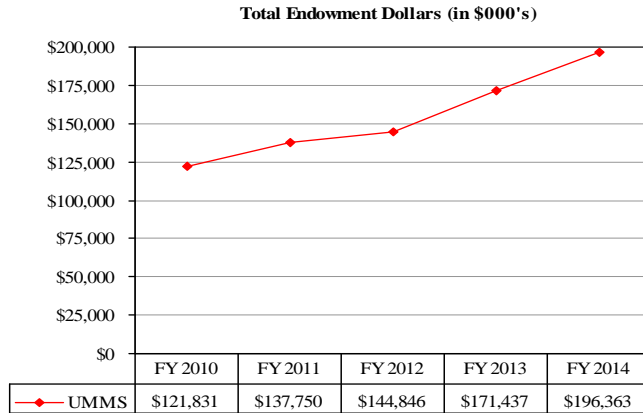
(In \$000's)

	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014
<i>UMMS</i>	\$393,088	\$461,389	\$332,180	\$364,482	<b>\$399,393</b>

## FINANCIAL HEALTH

### Total Endowment Assets and Annual Growth in Endowment

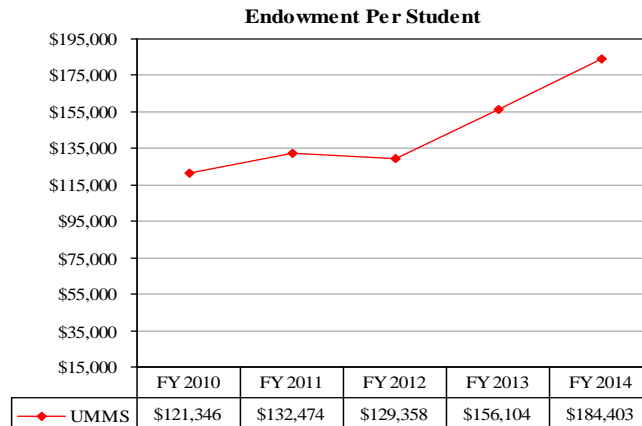
The endowment has grown significantly over the last several years as available cash has been transferred into quasi-endowment. The ratio provides a measure of the long term financial health of the institution, relative to the number of students. This indicator is not readily comparable to other UMass campuses. The size of the Medical School's research and public service programs in relation to its small student base informs the ratio. Peer data for medical schools separate from parent university not readily available.



**Annual Growth in Endowment**

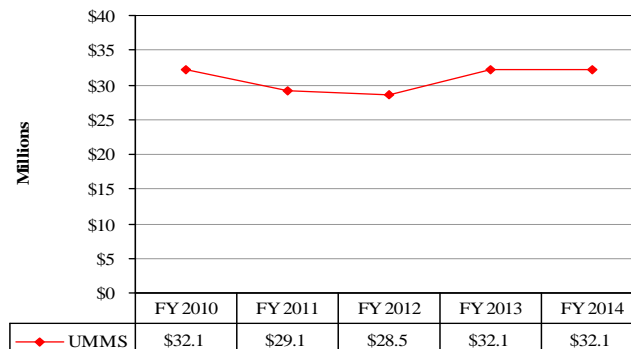
	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014
UMMS	12.26%	13.07%	5.15%	18.36%	<b>14.54%</b>

Source: FY 2014 BOT Advancement Report



### Private Funds Raised Annually

This indicator measures the success of the institution in raising support from private sources. Strong performance in this area provides the institution with funds to support new programs, investments in infrastructure, and other activities for which funds may not otherwise be available from other funding sources. Peer data for medical schools separate from parent university not readily available.



Source: FY 2014 BOT Advancement Report

### Primary Reserve

The financial cushion reflects long-term financial health of the institution and its ability to weather or "cushion" itself from short-term operations ups and downs. Peer data for medical schools separate from parent university are not readily available.

Primary Reserve	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014
	18.1%	16.7%	26.0%	27.1%	<b>28.2%</b>

### Debt Service to Operations

The debt ratio measures the demand that annual commitments to creditors place on the institution's unrestricted operating funds. Peer data for medical schools separate from parent university are not readily available.

Debt Service to Operations	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014
	2.1%	2.7%	3.9%	5.8%	<b>5.6%</b>

### Deferred Maintenance per GSF

Deferred maintenance per square foot provides a measure of the overall condition of the physical plant. It expresses the cost of the backlog of building maintenance on a per square foot basis. As buildings age and deteriorate, deferred maintenance per square foot will rise unless spending keeps pace with it.

Deferred Maintenance per GSF	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014
	\$57	\$61	\$69	\$80	<b>\$84</b>

## DEFINITIONS AND SOURCES

---

### ACADEMIC QUALITY INDICATORS

**Average Biology MCAT Score (Mean).** Mean biology MCAT score for new medical students. Peer data calculated from AAMC website.

**Doctoral Degrees Awarded.** Number of Doctorates awarded for AY 2013-14 which includes September 2013, January 2014, and May 2014 award dates.

**Postdoctoral Appointees.** The number of postdoctoral appointees as reported to NSF.

**Total R&D Expenditures.** Total R&D expenditures in all academic fields, from all sources (federal, state, local governments, industry, private and institutional) as reported to NSF.

**Total R&D Expenditures Ranking.** Annual NSF ranking of Total R&D expenditures, for all postsecondary institutions participating in the NSF HERD Survey. Data source NCES WebCaspar/NSF HERD data tables.

**Total R&D Expenditures per Full-Time Faculty.** R&D expenditures from all sources (federal, state, local governments, industry, private, and institutional) and in all academic fields, as reported to NSF, divided by all full-time faculty as reported by the AAMC. Peer data not available.

**Federal Research Support per Full-Time Faculty.** Federal research direct plus federal research facilities and administration divided by all full-time faculty as reported by the AAMC.

**NIH Funding Among Medical Schools.** Annual amount of NIH Funding. UMMS and peer data are from NIH Ad Hoc Report.

**US News Ranking.** U.S. News annual ranking of medical schools with special emphasis in Primary Care.

**Number of Patent Applications.** Number of U.S. Patent applications filed per year. Data reported by each UMass campus to President's Office, Office of CVIP.

**License Income.** Amount of annual income from license agreements. Data reported by each UMass campus to President's Office, Office of CVIP.

**AUTM Ranking of Licensing Income.** Ranking of licensing income as reported on the Association of University Technology Managers (AUTM) Annual Licensing Survey.

**Percent Tenured/Tenure-Track Faculty.** Percentage based on ratio of Tenure-stream Faculty FTE to Total Faculty FTE.

**New Tenured/Tenured-Track Faculty Hired.** The number of new tenured/tenured-track faculty members hired to start their new positions in the academic year.

**New Tenured/Tenure-Track Faculty Hired as Percent of All Tenured/Tenure-Track Faculty.** Definition of 'New' Hires per IPEDS Definitions. Number of 'Newly hired' Tenured/Tenure-track faculty divided Total Tenured/Tenure-track Faculty of an IPEDS reporting cycle.

**Change in Tenured/Tenure-Track Faculty.** The difference in the number of tenured/tenure-track faculty from one Fall semester to the next. This number includes faculty members who are on paid leave and does not include individuals whose primary responsibility is administrative.

**Change in Faculty FTE.** The difference in the total FTE, from one Fall semester to the next, for all full-time and part-time faculty. FTE is based upon standard hours per week (40). Includes faculty members who are on paid leave and does not include individuals whose primary responsibility are administrative.

**Percent Faculty of Color (based on Full-time Instructional Faculty).** The proportion of full-time instructional staff who are U.S. citizens or permanent residents and report their race/ethnicity to be one or more of the following: Hispanic/Latino, American Indian or Alaska Native, Asian, Black or African-American, Native Hawaiian or Other Pacific Islander, or Two or More Races. Race/ethnicity definition is based on IPEDS.

**Percent Women Faculty (based on Full-time Instructional Faculty).** The proportion of full-time instructional staff who identify themselves as female.

**Faculty Awards.** Number of faculty with awards from a list of 24 prominent grant and fellowship programs in the arts, humanities, science, engineering and health fields (e.g., Fulbright American Scholars, Guggenheim Fellows, MacArthur Foundation Fellows, National Endowment for the Humanities Fellows, NSF Career Awards, Sloan Research Fellows). Data reported in The Top American Research Universities and were obtained from directories, or web-based listings.

**National Academy Members.** Number of faculty with active or emeritus status who have been elected to membership in the National Academy of Sciences, the National Academy of Engineering, or the Institute of Medicine. Data reported in The Top American Research Universities.

#### ACCESS AND AFFORDABILITY INDICATORS

**Tuition and Fees.** Annual tuition and mandatory fees for in-state students including adjustment for learning contracts. Peer data from AAMC.

#### STUDENT SUCCESS AND SATISFACTION INDICATORS

**Acceptance (Match) Rate to Choice of Residency.** Percent of graduating students accepted to their choice of residency. National results provided by NRMP.

**Pass Rates on USMLE Step 1 and Step 2 (CK, CS).** The percentage of medical students passing Step 1 and Step 2 on their first attempt. Peer data represents national results from National Board of Medical Examiners (NBME).

**Pass Rate on Nursing Board Certification.** The percentage of nursing graduates who passed the board certification examination on their first attempt. National results (provided by the American Nurses Association Credentialing Center) represent pass rates by registered nursing graduates from all graduate nursing schools in the United States. Peer data not available.

**Student Satisfaction With Educational Experience.** The percentage of graduating medical students indicating "very satisfied" with the quality of their medical education. UMMS and peer data are from AAMC Graduation Questionnaire results.

**Alumni Participation Rate.** The number of alumni donors divided by the number of alumni of record where alumni of record is defined as all living alumni.

#### SERVICE TO THE COMMONWEALTH INDICATORS

**Percent Alumni Who Live in Massachusetts.** The percentage of UMMS alumni who live in Massachusetts.

**Enrollment in Science, Technology, Engineering, and Mathematics (STEM) Programs.** Total number of students enrolled in STEM programs. STEM programs are those fields of study defined in the National Science & Mathematics Access to Retain Talent (SMART) Grant with the exclusion of foreign languages. Enrollment count includes undergraduate, graduate and certificate students.

**Degrees Awarded in STEM fields.** Total number of undergraduate and graduate degrees and certificates awarded in STEM fields. STEM fields are those defined in the National Science & Mathematics Access to Retain Talent (SMART) Grant with the exclusion of foreign languages.

**Service to State Agencies.** Annual amount expended for state sponsored grants and contracts and the sale of public service activities to other Massachusetts state agencies. Peer data not available.

#### FINANCIAL HEALTH INDICATORS

**Total Endowment Assets and Annual Growth in Endowment.** UMMS endowments including Foundation endowments and quasi-endowments.

**Endowment per FTE Student.** UMass endowments including Foundation endowments and quasi-endowments divided by FY 2014 matriculated annualized FTE.

**Private Funds Raised Annually.** Includes restricted and unrestricted income from individuals, foundations, corporations, and other organizations. These amounts include private grant revenues but not private contract revenues. Total for each year includes cash (not in-kind) and asset additions made in that year. Peer data is not available.

**Primary Reserve.** Unrestricted net assets divided by total operating expenses (including interest expense). Peer data is not available.

**Debt Service to Operations.** Interest payments plus principal payments divided by total operating expenses (including interest expense). Peer data is not available.

## PEER INSTITUTIONS FOR UMMS

**School Name - All Public**

Arizona	South Dakota
Arkansas	South Florida
Buffalo	Southern Illinois
Cincinnati	Stony Brook
Colorado	Tennessee
East Carolina - Brody	Texas A & M
East Tennessee - Quillen	Texas Tech
Eastern Virginia	U Washington
Florida State	UC Irvine
Georgia	UC San Diego
Hawaii - Burns	UC San Francisco
Illinois	UCLA - Geffen
Kansas	UMDNJ - RW Johnson
Kentucky	UMDNJ New Jersey
LSU New Orleans	UT Galveston
LSU Shreveport	UT Houston
Louisville	UT San Antonio
MU Ohio	Utah
MU South Carolina	Vermont
Marshall - Edwards	Virginia Commonwealth
Massachusetts	West Virginia
Michigan State	Wright State - Boonshoft
Minnesota Twin Cities	Wright State
Mississippi	Alabama
Missouri Columbia	Connecticut
Missouri Kansas City	Florida
Nebraska	Indiana
Nevada	Iowa - Carver
New Mexico	Maryland
North Dakota	Michigan
Northeastern Ohio	North Carolina
Oklahoma	Ohio State
Oregon	UC Davis
Penn State	UT Southwestern
Puerto Rico	Virginia
SUNY Downstate	Wayne State
SUNY Upstate	Wisconsin
South Alabama	
South Carolina	

**Selected Peer Institutions****Regional/Competitor:**

Harvard University  
 Boston University  
 Tufts University  
 Dartmouth College  
 University of Vermont  
 Brown University  
 State University of New York, Stonybrook  
 University of Maryland

**Public Aspirant:**

University of Texas, SW  
 University of Iowa  
 University of North Carolina  
 University of Alabama, Birmingham  
 University of Michigan  
 University of Washington  
 University of California, San Francisco

**Private Aspirant:**

Washington University in St. Louis  
 Johns Hopkins University  
 Yale University  
 University of Pennsylvania  
 University of Pittsburgh



**CAMPUS SAFETY - UMass Amherst**

A copy of UMass Amherst's complete 2013 Campus Safety Report can be found at <http://www.umass.edu/umpd/sites/default/files/ASR-13.pdf>

**UMass Amherst - Clery Act Crime Statistics**

ENROLLMENTS/NUMBER OF RESIDENTS	Fall 2013		Fall 2012		Fall 2011		Fall 2010	
	Total Enrollment	# Living on Campus	Total Enrollment	# Living on Campus	Total Enrollment	# Living on Campus	Total Enrollment	# Living on Campus
UNDERGRADUATE STUDENTS	22,134		21,928	12,267	21,812	12,450	21,373	12,114
GRADUATE STUDENTS	6,383		6,308	110	6,272	69	6,196	94
	<b>Calendar Year</b>							
OFFENSE	2013	2012	2011	2010				
MURDER / NON-NEGLIGENT MANSLAUGHTER	0	0	0	0				
NEGLIGENT MANSLAUGHTER	0	0	0	0				
SEX OFFENSES, FORCIBLE*	22	15	13	12				
SEX OFFENSES, NON-FORCIBLE	0	0	0	0				
ROBBERY	0	1	1	1				
AGGRAVATED ASSAULT	6	8	5	15				
BURGLARY	21	62	36	59				
MOTOR VEHICLE THEFT	2	1	1	6				
ARSON	2	1	4	3				
DOMESTIC VIOLENCE***	11	Data not required for reporting	Data not required for reporting	Data not required for reporting				
DATING VIOLENCE***	0	Data not required for reporting	Data not required for reporting	Data not required for reporting				
STALKING***	1	Data not required for reporting	Data not required for reporting	Data not required for reporting				
HATE CRIMES <i>Any of the aforementioned offenses, and other crime involving bodily injury, that manifest evidence of prejudice based on race, religion, sexual orientation, gender, disability or ethnicity are also reported as hate crimes.</i>	5	1	3	2				
LIQUOR LAW ARRESTS**	176	339	396	371				
LIQUOR LAW VIOLATIONS REFERRED FOR DISCIPLINARY ACTION	780	609	941	1853				
DRUG LAW ARRESTS**	22	31	33	56				
DRUG LAW VIOLATIONS REFERRED FOR DISCIPLINARY ACTION	57	35	27	26				
ILLEGAL WEAPONS POSSESSION ARRESTS	2	3	5	8				
ILLEGAL WEAPONS POSSESSION VIOLATIONS REFERRED FOR DISCIPLINARY ACTION	0	0	0	0				

Note: Total count for each category includes crimes that occurred on campus, in or on a non-campus building or property, or on public property within or immediately adjacent to and accessible from the campus.

\*Forcible Sex Offenses include those reported to UMPD and those reported to other Campus agencies

\*\*UMPD arrests involving both drug law and liquor law violations are counted only as a drug law violation, which is the more serious offense.

\*\*\*2013 was the first year domestic violence, dating violence, and stalking was required.

## CAMPUS SAFETY - UMass Boston

A copy of UMass Boston's complete 2013 Campus Safety Report can be found at [https://www.umb.edu/preparedness/campus\\_safety\\_report](https://www.umb.edu/preparedness/campus_safety_report)

### UMass Boston - Clery Act Crime Statistics

ENROLLMENTS/NUMBER OF RESIDENTS	Fall 2013		Fall 2012		Fall 2011		Fall 2010	
	Total Enrollment	# Living on Campus	Total Enrollment	# Living on Campus	Total Enrollment	# Living on Campus	Total Enrollment	# Living on Campus
UNDERGRADUATE STUDENTS	12,700	0	12,124	0	11,866	0	11,568	0
GRADUATE STUDENTS	4,056	0	3,750	0	3,875	0	3,886	0

OFFENSE	Calendar Year			
	2013	2012	2011	2010
MURDER / NON-NEGLIGENT MANSLAUGHTER	0	0	0	0
NEGLIGENT MANSLAUGHTER	0	0	0	0
SEX OFFENSES, FORCIBLE*	1	1	2	2
SEX OFFENSES, NON-FORCIBLE	0	0	2	0
ROBBERY	5	21	7	7
AGGRAVATED ASSAULT	3	21	8	24
BURGLARY	0	23	5	2
MOTOR VEHICLE THEFT	1	16	0	0
ARSON	1	0	0	0
DOMESTIC VIOLENCE*	1	Data not required for reporting	Data not required for reporting	Data not required for reporting
DATING VIOLENCE*	0	Data not required for reporting	Data not required for reporting	Data not required for reporting
STALKING*	5	Data not required for reporting	Data not required for reporting	Data not required for reporting
HATE CRIMES <i>Any of the aforementioned offenses, and other crime involving bodily injury, that manifest evidence of prejudice based on race, religion, sexual orientation, gender, disability or ethnicity are also reported as hate crimes.</i>	1	3	2	0
LIQUOR LAW ARRESTS	2	1	0	0
LIQUOR LAW VIOLATIONS REFERRED FOR DISCIPLINARY ACTION	1	4	1	0
DRUG LAW ARRESTS	27	14	21	0
DRUG LAW VIOLATIONS REFERRED FOR DISCIPLINARY ACTION	1	1	4	4
ILLEGAL WEAPONS POSSESSION ARRESTS	2	6	4	1
ILLEGAL WEAPONS POSSESSION VIOLATIONS REFERRED FOR DISCIPLINARY ACTION	3	0	1	0

Note: Total count for each category includes crimes that occurred on campus, in or on a non-campus building or property, or on public property within or immediately adjacent to and accessible from the campus. UMB campus does not have residence halls.

\*2013 was the first year domestic violence, dating violence, and stalking was required.

**CAMPUS SAFETY - UMass Dartmouth**

A copy of UMass Dartmouth's complete 2013 Campus Safety Report can be found at [http://www.umassd.edu/media/umassdartmouth/publicsafety/pdfs/Annual\\_Clery\\_Report\\_2014.pdf](http://www.umassd.edu/media/umassdartmouth/publicsafety/pdfs/Annual_Clery_Report_2014.pdf)

**UMass Dartmouth - Clery Act Crime Statistics**

ENROLLMENTS/NUMBER OF RESIDENTS	Fall 2013		Fall 2012		Fall 2011		Fall 2010	
	Total Enrollment	# Living on Campus	Total Enrollment	# Living on Campus	Total Enrollment	# Living on Campus	Total Enrollment	# Living on Campus
UNDERGRADUATE STUDENTS	7,437	3,974	7,562	4,156	7,580	4,200	7,749	4,342
GRADUATE STUDENTS	1,616	105	1,648	80	1,645	63	1,683	53

OFFENSE	Calendar Year			
	2013	2012	2011	2010
MURDER / NON-NEGLIGENT MANSLAUGHTER	0	0	0	0
NEGLIGENT MANSLAUGHTER	0	0	0	0
SEX OFFENSES, FORCIBLE	10	5	2	4
SEX OFFENSES, NON-FORCIBLE	0	0	0	0
ROBBERY	3	4	2	1
AGGRAVATED ASSAULT	14	15	15	12
BURGLARY	7	29	28	19
MOTOR VEHICLE THEFT	2	1	2	6
ARSON	8	25	24	24
DOMESTIC VIOLENCE*	7	Data not required for reporting	Data not required for reporting	Data not required for reporting
DATING VIOLENCE*	0	Data not required for reporting	Data not required for reporting	Data not required for reporting
STALKING*	21	Data not required for reporting	Data not required for reporting	Data not required for reporting
HATE CRIMES <i>Any of the aforementioned offenses, and other crime involving bodily injury, that manifest evidence of prejudice based on race, religion, sexual orientation, gender, disability or ethnicity are also reported as hate crimes.</i>	0	0	1	0
LIQUOR LAW ARRESTS	63	42	43	130
LIQUOR LAW VIOLATIONS REFERRED FOR DISCIPLINARY ACTION	327	211	180	120
DRUG LAW ARRESTS	7	3	11	10
DRUG LAW VIOLATIONS REFERRED FOR DISCIPLINARY ACTION	149	139	147	88
ILLEGAL WEAPONS POSSESSION ARRESTS	2	5	2	4
ILLEGAL WEAPONS POSSESSION VIOLATIONS REFERRED FOR DISCIPLINARY ACTION	0	0	0	0

Note: Total count for each category includes crimes that occurred on campus, in or on a non-campus building or property, or on public property within or immediately adjacent to and accessible from the campus.

\*2013 was the first year domestic violence, dating violence, and stalking was required.

**CAMPUS SAFETY - UMass Lowell**

A copy of UMass Lowell's complete 2013 Campus Safety Report can be found at [http://www.uml.edu/docs/Annual-Security-Report-2013\\_tcm18-153049.pdf](http://www.uml.edu/docs/Annual-Security-Report-2013_tcm18-153049.pdf)

**UMass Lowell - Clery Act Crime Statistics**

ENROLLMENTS/NUMBER OF RESIDENTS	Fall 2013		Fall 2012		Fall 2011		Fall 2010	
	Total Enrollment	# Living on Campus	Total Enrollment	# Living on Campus	Total Enrollment	# Living on Campus	Total Enrollment	# Living on Campus
UNDERGRADUATE STUDENTS	12,734	3,593	12,734	3,593	11,729	3,113	11,260	3,034
GRADUATE STUDENTS	4,198	52	4,198	52	3,702	40	3,426	31

OFFENSE	Calendar Year			
	2013	2012	2011	2010
MURDER / NON-NEGLIGENT MANSLAUGHTER	0	0	0	0
NEGLIGENT MANSLAUGHTER	0	0	0	0
SEX OFFENSES, FORCIBLE	2	2	6	2
SEX OFFENSES, NON-FORCIBLE	0	0	0	0
ROBBERY	11	4	3	4
AGGRAVATED ASSAULT	7	10	16	8
BURGLARY	10	28	27	13
MOTOR VEHICLE THEFT	14	10	4	10
ARSON	0	0	0	3
DOMESTIC VIOLENCE*	5	Data not required for reporting	Data not required for reporting	Data not required for reporting
DATING VIOLENCE*	0	Data not required for reporting	Data not required for reporting	Data not required for reporting
STALKING*	0	Data not required for reporting	Data not required for reporting	Data not required for reporting
HATE CRIMES <i>Any of the aforementioned offenses, and other crime involving bodily injury, that manifest evidence of prejudice based on race, religion, sexual orientation, gender, disability or ethnicity are also reported as hate crimes.</i>	1	1	0	0
LIQUOR LAW ARRESTS	0	5	14	20
LIQUOR LAW VIOLATIONS REFERRED FOR DISCIPLINARY ACTION	303	325	387	388
DRUG LAW ARRESTS	14	6	4	13
DRUG LAW VIOLATIONS REFERRED FOR DISCIPLINARY ACTION	31	56	23	7
ILLEGAL WEAPONS POSSESSION ARRESTS	2	5	3	4
ILLEGAL WEAPONS POSSESSION VIOLATIONS REFERRED FOR DISCIPLINARY ACTION	1	1	3	1

Note: Total count for each category includes crimes that occurred on campus, in or on a non-campus building or property, or on public property within or immediately adjacent to and accessible from the campus.

\*2013 was the first year domestic violence, dating violence, and stalking was required.

## CAMPUS SAFETY - UMass Medical School

A copy of UMass Medical School's complete 2013 Campus Safety Report can be found at <http://www.umassmed.edu/Global/Public%20Safety/2013%20Annual%20Security%20Report%209.24.14.pdf>

### UMass Medical School - Clery Act Crime Statistics

ENROLLMENTS/NUMBER OF RESIDENTS	Fall 2013		Fall 2012		Fall 2011		Fall 2010	
	Total Enrollment	# Living on Campus	Total Enrollment	# Living on Campus	Total Enrollment	# Living on Campus	Total Enrollment	# Living on Campus
UNDERGRADUATE STUDENTS	0	0	0	0	0	0	0	0
GRADUATE STUDENTS	1,161	0	1,160	0	1,189	0	1,158	0

OFFENSE	Calendar Year			
	2013	2012	2011	2010
MURDER / NON-NEGLIGENT MANSLAUGHTER	1	0	0	0
NEGLIGENT MANSLAUGHTER	0	0	0	0
SEX OFFENSES, FORCIBLE	1	1	0	0
SEX OFFENSES, NON-FORCIBLE	0	0	0	0
ROBBERY	1	0	0	0
AGGRAVATED ASSAULT	3	2	0	0
BURGLARY	2	5	2	0
MOTOR VEHICLE THEFT	2	1	1	1
ARSON	0	0	1	0
DOMESTIC VIOLENCE*	2	Data not required for reporting	Data not required for reporting	Data not required for reporting
DATING VIOLENCE*	0	Data not required for reporting	Data not required for reporting	Data not required for reporting
STALKING*	6	Data not required for reporting	Data not required for reporting	Data not required for reporting
HATE CRIMES <i>Any of the aforementioned offenses, and other crime involving bodily injury, that manifest evidence of prejudice based on race, religion, sexual orientation, gender, disability or ethnicity are also reported as hate crimes.</i>	0	0	0	0
LIQUOR LAW ARRESTS	0	0	1	2
LIQUOR LAW VIOLATIONS REFERRED FOR DISCIPLINARY ACTION	0	0	0	0
DRUG LAW ARRESTS	5	11	3	0
DRUG LAW VIOLATIONS REFERRED FOR DISCIPLINARY ACTION	0	0	0	0
ILLEGAL WEAPONS POSSESSION ARRESTS	3	2	1	0
ILLEGAL WEAPONS POSSESSION VIOLATIONS REFERRED FOR DISCIPLINARY ACTION	0	0	0	0

Note: Total count for each category includes crimes that occurred on campus, in or on a non-campus building or property, or on public property within or immediately adjacent to and accessible from the campus. UMW campus does not have residence halls.

\*2013 was the first year domestic violence, dating violence, and stalking was required.