

2021 Report on Annual Indicators

University Performance Measurement System

November 2021



University of Massachusetts

Amherst • Boston • Dartmouth • Lowell • Medical • Law • Online



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2021 REPORT ON ANNUAL INDICATORS
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Message from the President November 2021

I am especially pleased this year to present to you the University of Massachusetts 2020 Annual Indicators Report, which documents our performance during a period when a global pandemic abruptly forced our 75,000 students and our 18,000 faculty and staff into remote teaching, learning, and work. During this time of immense challenge, our university responded with a revolutionary spirit and, as this report demonstrates, never wavered from its belief that continuous improvement across the five-campus university system is only possible through honest, transparent assessment.

This annual report documents the university's progress toward achieving strategic priorities approved by the UMass Board of Trustees. It compares the university's performance – primarily during the fiscal year 2020 and academic year 2019-2020 - with peer institutions across the country on a range of metrics. The highlights include:

Academic quality

Freshmen average SAT scores ranged from 1091 to 1290 across the four undergraduate campuses. Average high school GPA increased slightly from the previous year, ranging from 3.31-3.93.

The system generated \$687 million in research expenditures, reflecting six consecutive years of over \$600 million in research funding.

Access and affordability

More than four out of five (82%) freshmen are Massachusetts residents, compared with one-fifth (24%) at its private peers in the state.

Four in ten (40%) UMass undergraduates are students of color. As a point of comparison, 35% of Massachusetts public high school graduates are students of color.

Student success and satisfaction

First-time, first-year student retention rose at three of the four undergraduate campuses (Boston, Dartmouth and Lowell).

The six-year graduation rate for first-time first-year students rose or held steady at three undergraduate campuses (Amherst, Boston and Lowell).

Service to the Commonwealth

UMass awarded 18,208 degrees (bachelor's and above), which represent 17% of all baccalaureate and graduate degrees (21% of bachelor's, 10% of master's degrees and 11% of doctoral and first professional degrees) awarded in the Commonwealth.

Financial health

The university's total endowment stood at \$920 million at year-end. The market value of the university's endowment improved by 19% between FY 2015 and FY 2020.

The university raised \$124 million in FY 2020, a decline of 4% during the initial chapter of the pandemic, but this was still the fourth year in a row (and fifth in the last six) that annual private giving exceeded \$120 million.

The university's bond ratings for FY 2019 continued to reflect confidence in the institution's management and financial health.

As the University of Massachusetts, like its peers around the nation, recovers from the impacts of the pandemic, adjusts to a decline in the number of traditional-age college students, and readies itself to respond to as yet unforeseen challenges and opportunities, this report tells us we have a strong foundation to build upon for the future.

Sincerely,

A handwritten signature in blue ink, appearing to read "Martin T. Meehan". The signature is fluid and cursive, with the first name "Martin" being the most prominent.

Martin T. Meehan
President

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UMASS LOWELL

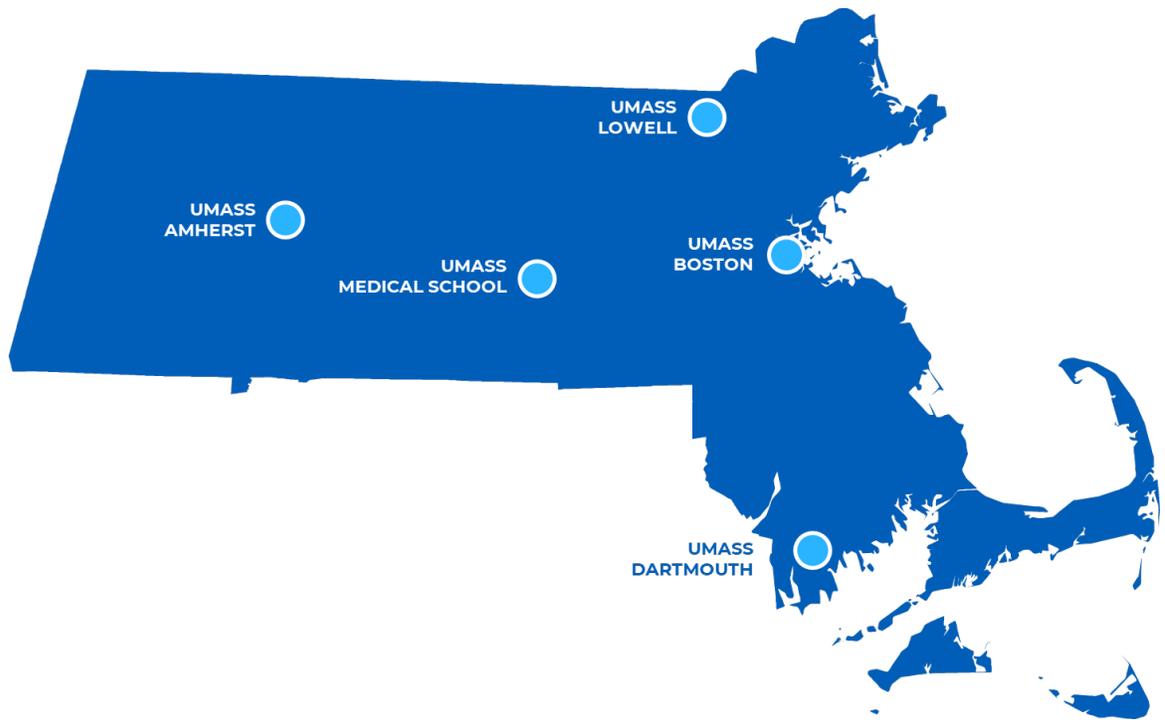
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THE 2021 REPORT ON ANNUAL INDICATORS

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 2021 Report on Annual Indicators is the 22nd annual report of the University of Massachusetts Performance Measurement System.

This report provides trustees, legislators, and state-level policymakers with information by which they can assess the University as compared with similar institutions and its 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 a leadership role in public service*
- *Increase endowment*
- *Improve administrative and IT services*
- *Develop the first-rate infrastructure*

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 2021 Report on Annual Indicators reflects an updated list of the metrics that we collect.

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 UMass Medical School, the peer group consists of 20 selected medical schools in the United States, while their 'endowment' peer group consists of all public medical schools. 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 the relevant financial group peers (a small group of public university systems in other states or Bond-rating peer group).

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

- Headlines from the 2021 Annual Indicators
- 2021 Annual Indicators at a Glance
- Infographics and Charts
- Definitions and Sources
- List of Institutional Peers

Legislative Priorities	UMass Strategic Priorities	2021 ANNUAL INDICATORS
ACADEMIC QUALITY	Improve student learning experience	Average High-School GPA of Freshmen
		SAT Scores of Freshmen
		<i>25th – 75th Percentile</i>
		<i>Average</i>
		Average GPA of Entering Transfer Students
		Mean MCAT Scores of Entering Students (UMMS Only)
		Student Satisfaction with Educational Experience
		Student-Faculty Ratio
		Technology-Enhanced Classrooms
		Doctoral Degrees Awarded*
		Postdoctoral Appointees*
		Strengthen research and development
	Total R&D Expenditures Rankings	
	Total R&D Expenditures Rankings among Carnegie Peers, US Publics, Non-Medical	
	Federal R&D Expenditures (Optional)	
	Total R&D Expenditures per Tenured/Tenure-track Faculty	
	Total R&D Expenditures per FT Faculty	
	Federal R&D Expenditures per FT Faculty	
	Sponsored Instruction/Outreach per Faculty	
	NIH Funding Among Medical Schools (UMMS Only)	
	US News Ranking in Primary Care Medicine (UMMS Only)	
	Patent Applications	
	License Income	
	Renew faculty	Utilization of Shared High-Performance Computing Research Resources*
		Percent Tenured/Tenure-Track Faculty FTE
		New Tenured/Tenure-Track Faculty Hired
		New Tenured/Tenure-Track Faculty Hired as Percent of All Tenured/Tenure-Track Faculty
		Tenured/Tenure-Track Faculty
		Faculty FTE
		Faculty-of-Color
Women Faculty		
Faculty Awards		
National Academy Members*		
ACCESS AND AFFORDABILITY	Access and Affordability/ Diversity & Positive Climate	Percent UGs from Massachusetts
		Percent UGs who are Students of Color
		Percent UGs who are International
		Percent First-Time UGs who are First Generation in College
		Percent First-Time UGs who have English as Second Language
		Percent of Students of Transfer Origin**
		Dual Enrollment Students**

Legislative Priorities	UMass Strategic Priorities	2021 ANNUAL INDICATORS	
ACCESS AND AFFORDABILITY	Access and Affordability	Percent (In-State) Pell Grant Recipients	
		Percent of Need Met for In-State Students Awarded Need-Based Aid	
		Average Debt of Students for Graduating Class	
		Percent Graduating Class with Debt	
		Total Students who participated in the Study Abroad program	
		Total Online Course Registrations	
		Annual Growth in Online Course Enrollments*	
		Percent of Online Enrollment that is Full-Time**	
STUDENT SUCCESS AND SATISFACTION	Diversity and positive climate	Freshmen One-Year Retention Rate	
		Freshmen Four-Year Graduation Rate	
		Freshmen Six-Year Graduation Rate	
		Transfer One-Year Retention Rate	
		Transfer Four-Year Graduation Rate	
		Student Achievement Measure	
		Student Satisfaction with Educational Experience	
		Alumni Participation Rate	
		Match Rate/Choice of Residency (UMMS Only)	
SERVICE TO THE COMMONWEALTH	Develop a leadership role in public service	Degree Completions	
		Percent Mass Residents Attending UMass	
		In-State UG Enrollment by Region*	
		Total Degrees Awarded	
		UMass as Percent of all Massachusetts Degrees	
		Total R&D Expenditures, Rankings, and Expenditures per Faculty Member	
		Number of Patent Applications	
		License Income	
		Percent Alumni who live in MA	
		Enrollment in Science, Technology, Engineering, and Mathematics (STEM) programs (Graduate/Undergraduate) *	
		Degrees and Certificates Awarded in STEM fields	
		Degrees and Certificates Awarded in Healthcare fields	
		Test Takers in MTEL Science and Math subject tests*	
FINANCIAL HEALTH	Endowment	Endowment Assets and Annual Growth in Endowment	
		Total Endowment per Annualized Student FTE	
		Private Funds Raised Annually	
	Administration and IT Services/ Infrastructure	Operating Margin (%)	
		Spendable Cash & Investments to Op Expenses	
		Debt Service to Operations	
		Bond Ratings (Moody's, S&P, Fitch)	
		Campus Safety	

*Indicators in Red are no longer reported. **Indicators in Blue have been added

HEADLINES

ACADEMIC QUALITY

UMass continues to admit high-quality students. UMass attracts highly qualified applicants. Freshmen average SAT scores ranged from 1091 to 1290 across the four undergraduate campuses. Average high school GPA increased slightly from the previous year, ranging from 3.31-3.93.

UMass research capacity remains strong. In FY 2020, the system generated \$687 million in research expenditures, reflecting six consecutive years of over \$600 million in research funding. Furthermore, in 2019-20, the five campuses awarded 944 doctoral degrees across various disciplines. These include

610 research/scholarship doctoral degrees and 344 professional practice doctoral degrees.

UMass Medical School retains the top 10% ranking in primary care. In the 2021 US News ranking, UMass Medical School ranked 15th among 152 medical schools and 33 schools of osteopathic medicine with an emphasis on primary care medicine.

Commercialization of UMass research expands. In FY 2020, license income for the University exceeded \$26 million. UMass ranks among the top 15% of US universities in license income.

ACCESS AND AFFORDABILITY

UMass serves citizens of the Commonwealth. More than four out of five (82%) UMass freshmen are Massachusetts residents, compared with one-fifth (24%) at its private peers in the state.

UMass educates a diverse citizenry. The number of students of color enrolling at UMass has increased over the last five years. Currently, four in ten (40%) UMass undergraduates are students of color. At UMass Boston, 62% of the over 6,700

undergraduates are students of color, making it the most diverse public university in all of New England. As a point of comparison, 35% of Massachusetts public high school graduates are students of color.

UMassOnline expands educational access. UMassOnline reaches diverse and geographically dispersed learners. In AY 2019-20, course registrations for UMassOnline were at 91,212, representing a 9% increase over the previous year.

STUDENT SUCCESS AND SATISFACTION

UMass students retain at high rates. In Fall 2020, first-time first-year student retention rose at three of the four undergraduate campuses (Boston, Dartmouth and Lowell). Retention rates at both Amherst (89%) and Lowell (84%) exceeded the national four-year public average of 81%.

UMass students graduate at high rates. In Fall 2020, the six-year graduation rate for first-time first-year students rose or held steady at three

undergraduate campuses (Amherst, Boston and Lowell). Retention rates at both Amherst (83%) and Lowell (69%) exceeded the national four-year public average of 62%.

Medical school graduates secure top choice residencies. Ninety-six percent of UMass Medical School graduates were accepted to their choices of residency, a match rate that is consistently higher than the peer institutions.

HEADLINES

SERVICE TO THE COMMONWEALTH

UMass' contributes to creating an educated citizenry and workforce. UMass awarded over 18,000 degrees in AY 2019-20. These include a total of 18,208 degrees (bachelor's and above), which represent 17% of all baccalaureate and graduate degrees (21% of bachelor's, 10% of master's degrees and 11% of doctoral and first professional degrees) awarded in the Commonwealth. The University's impact is particularly high in the following fields: computer & information sciences, engineering, natural sciences & math, business & management and health (bachelor's level);

education, computer & information sciences and business & management (doctoral level).

In 2019-2020, three in ten (32%) or 5,789 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 7% increase over this period.

Alumni reside and work in Massachusetts. Six of ten (60%) graduates overall of the University remain in the Commonwealth after graduation.

FINANCIAL HEALTH

Total Endowment stands at \$920 million. The market value of the University's endowment improved by 19% between FY 2015 and FY 2020.

Private Funds raised a total of \$124 million. The private giving to UMass declined by 4% in FY 2020 versus last year, this was the fourth year in a row

(and fifth in the last six) that annual private giving exceeded \$120 million.

Bond ratings remain high. The University's high agency bond ratings for FY 2019 (Aa2 rating by *Moody's*; AA- rating by *S&P*; AA rating by *Fitch*) reflects continuing confidence in the institution's overall financial health.



SYSTEM

AT-A-GLANCE

ACCESS AND AFFORDABILITY

• Percent of First-year Undergraduates from Massachusetts	82%	• Tuition and Fees as a Percentage of Median HH Family Income	15%
• Percent of Undergraduates from Massachusetts	83%	• Total Students who Participated in a Study Abroad Program	1,247
• Percent Undergraduates who are Students of Color	40%	• Online Course Registrations	91,212
• Dual Enrollment Headcount	103		

SERVICE TO THE COMMONWEALTH

• Degree Completions	18,208	• License Income	\$27M
<i>Bachelor's</i>	13,101	• Percent Alumni who Remain in MA	60%
<i>Master's</i>	4,163	• Degrees Awarded in STEM Fields	5,789 (32%)
<i>Doctorates</i>	944	<i>Undergraduate</i>	4,327 (33%)
• UMass Degrees as Percent of Massachusetts Degrees	17%	<i>Graduate</i>	1,462 (29%)
• Total R&D Expenditures	\$687M	• Certificates Awarded in STEM Fields	211 (17%)
• Patent Applications	189	• Degrees Awarded in Healthcare Fields	2,160

FINANCIAL HEALTH

• Total Endowment	\$920M	• Debt Service to Operations	6.4%
• Annual Growth in Endowment	1.3%	• Operating Margin (%)	1.1%
• Private Funds Raised Annually	\$124M	• Spendable Cash & Investments to Op Expenses (x)	0.45
• Agency Bond Ratings			
<i>Moody's</i>	Aa2		
<i>S&P</i>	AA-		
<i>Fitch</i>	AA		

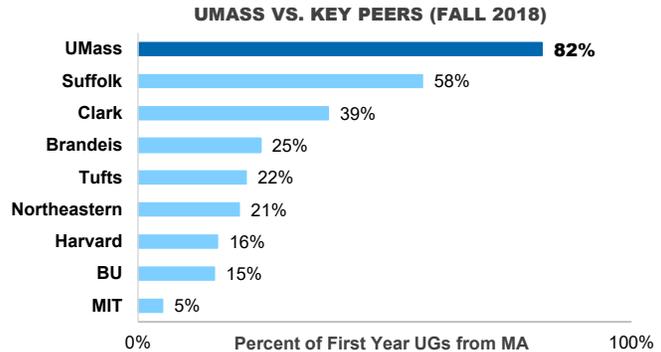
ACCESS AND AFFORDABILITY

UNDERGRADUATE ENROLLMENT FROM MASSACHUSETTS

PERCENT OF FIRST YEAR UNDERGRADUATE STUDENTS

82%

UMass first-year UGs from MA in Fall 2020



UMASS UNDERGRADUATES: ALL STUDENTS

47.0k

UMass UGs from MA in Fall 2020

▼ **2%**

One-year % change (vs. Fall 2019)

▲ **3%**

Five-year % change (vs. Fall 2015)

83%

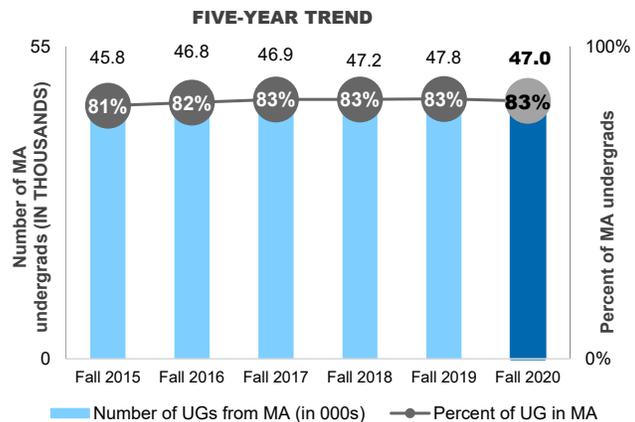
UMass % UGs from MA in Fall 2020

▼ **1**

One-year % point change (vs. Fall 2019)

▲ **1**

Five-year % point change (vs. Fall 2015)



UNDERGRADUATE STUDENTS OF COLOR

40%

UMass UG Student of Color in Fall 2020

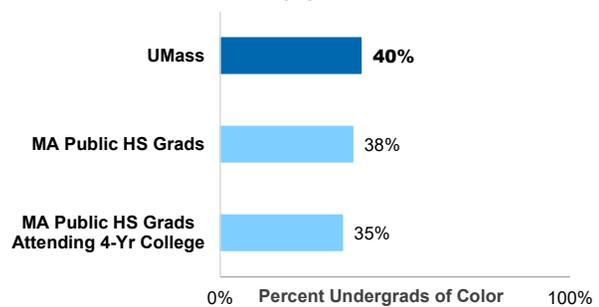
▲ **2**

Pct point comparison vs. MA Public HS Graduates Class of 2019

▲ **5**

Pct point comparison vs. MA Public HS Graduates Attending 4-Yr College Class of 2019

UMASS Fall 2020 VS. MA PUBLIC HS CLASS OF 2019



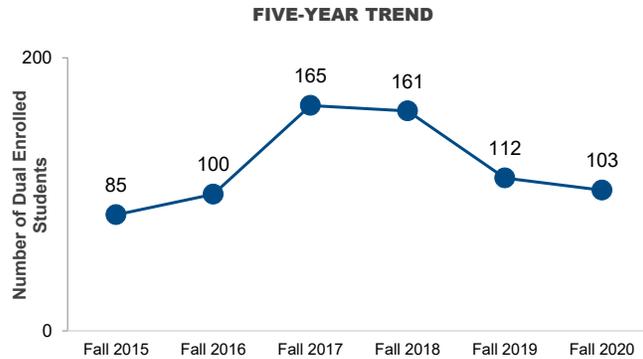
SOURCE: Massachusetts Department of Elementary and Secondary Education (DESE)

ACCESS AND AFFORDABILITY

DUAL ENROLLMENT STUDENTS (HEADCOUNT)

103

Dual Enrolled Students in Fall 2020



TUITION AND FEES AS A PERCENTAGE OF FAMILY INCOME*

15%

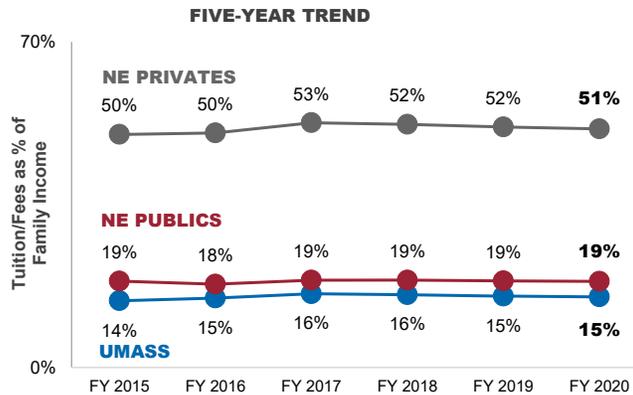
Tuition & Fees as % of family income at UMass in FY 2020

▼ **0**

One-year % point change at UMass (vs. FY 2019)

▲ **1**

Five-year % point change at UMass (vs. FY 2015)



*Percentage of MA statewide median family income

TOTAL STUDENTS WHO PARTICIPATED IN A STUDY ABROAD PROGRAM

1.2k

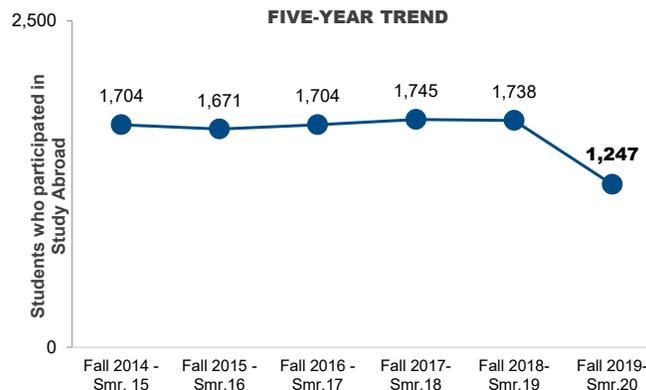
UMass UG participation in study abroad in Fall 2019-Smr.20

▼ **28%**

One-year % change vs. Fall 2018-Smr.19

▼ **27%**

Five-year % change vs. Fall 2014 -Smr. 15



ACCESS AND AFFORDABILITY

ONLINE COURSE REGISTRATIONS

91,212

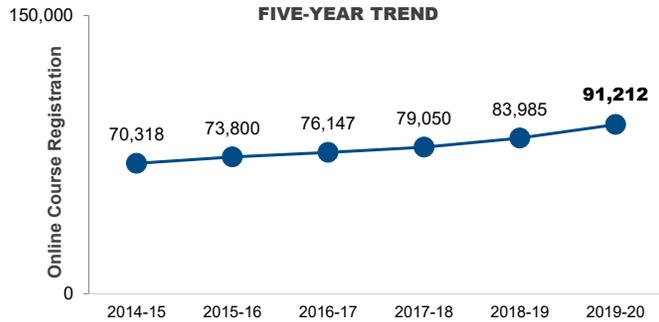
UMass total Online course registrations in 2019-20

▲ 9%

One-year % change (vs. 2018-19)

▲ 30%

Five-year % change (vs. 2014-15)



SERVICE TO THE COMMONWEALTH

DEGREE COMPLETIONS

18k

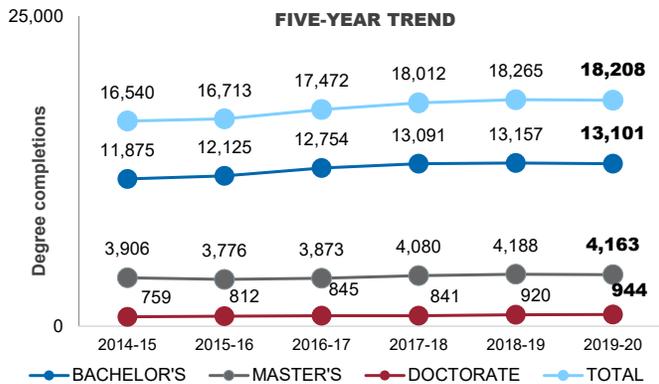
Total degree completions in 2019-20

▼ 0.3%

One-year % change in total degree completions (vs. 2018-19)

▲ 10%

Five-year % change in total degree completions (vs. 2014-15)



UMASS DEGREES AS PERCENTAGE OF ALL MASSACHUSETTS DEGREES

17%

Of all MA degree completions awarded by UMass in 2019-20

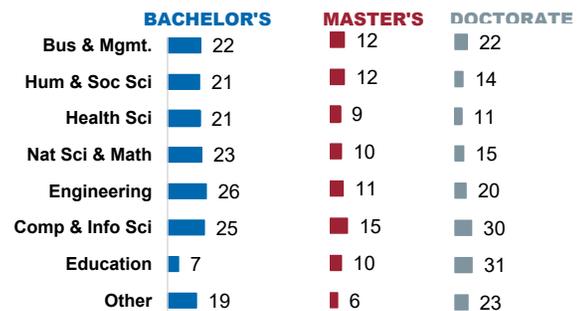
17%

Of all MA business degree completions awarded by UMass in 2019-20

20%

Of all MA engineering degree completions awarded by UMass in 2019-20

% MA DEGREES AWARDED BY UMASS



SERVICE TO THE COMMONWEALTH

TOTAL R&D EXPENDITURES

\$687.0

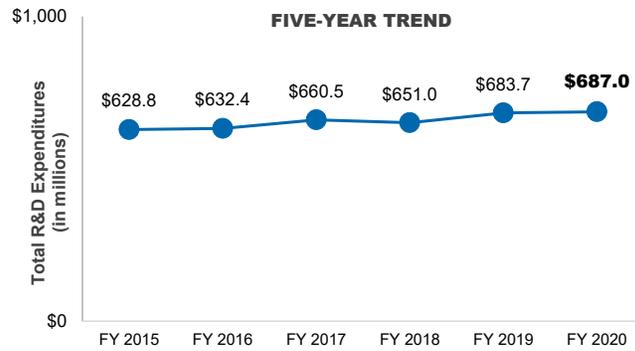
Million
in FY 2020

▲ **0.5%**

One-year
% change
(vs. FY 2019)

▲ **9%**

Five-year
% change
(vs. FY 2015)



PATENT APPLICATIONS

189

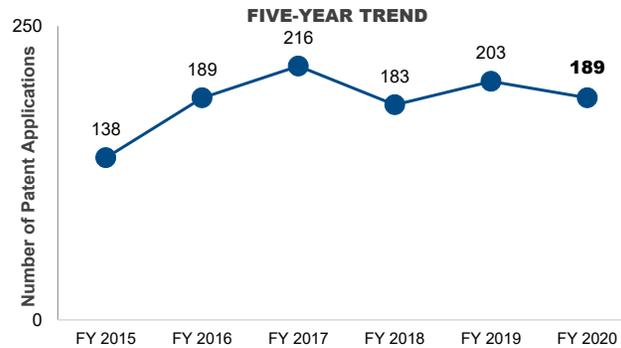
Patent
Applications
in FY 2020

▼ **7%**

One-year
% change
(vs. FY 2019)

▲ **37%**

Five-year
% change
(vs. FY 2015)



LICENSE INCOME

\$27

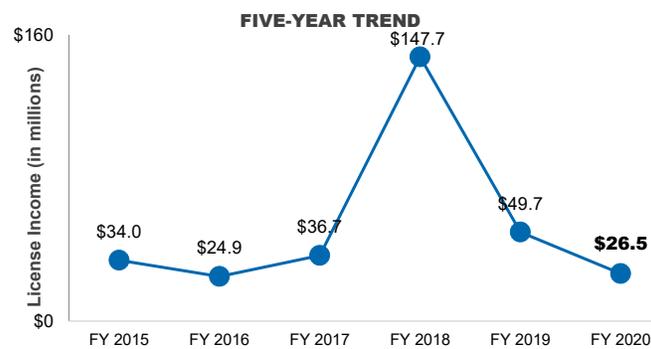
Million
in FY 2020

▼ **47%**

One-year
% change
(vs. FY 2019)

▼ **22%**

Five-year
% change
(vs. FY 2015)

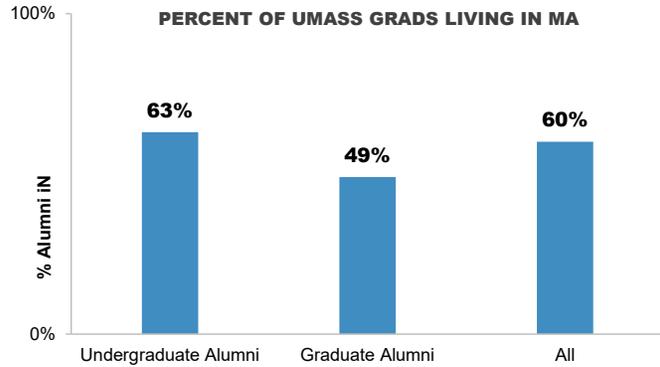


SERVICE TO THE COMMONWEALTH

PERCENT ALUMNI WHO LIVE IN MASSACHUSETTS

60%

Of all UMass Alumni live in the Commonwealth



DEGREES AWARDED IN HEALTHCARE FIELDS

2.2k

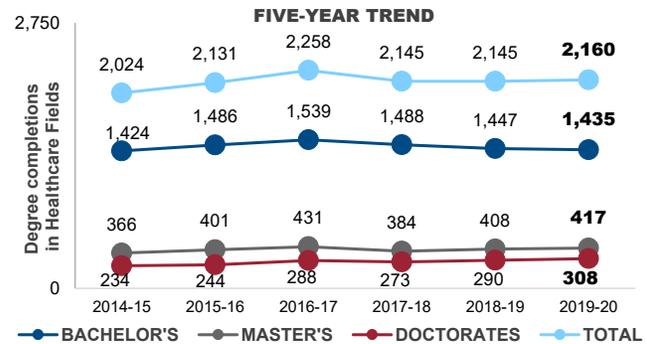
Total degrees awarded in Healthcare fields in 2019-20

▲ **1%**

One-year % change (vs. 2018-19)

▲ **7%**

Five-year % change (vs. 2014-15)



CERTIFICATES AWARDED IN HEALTHCARE FIELDS

176

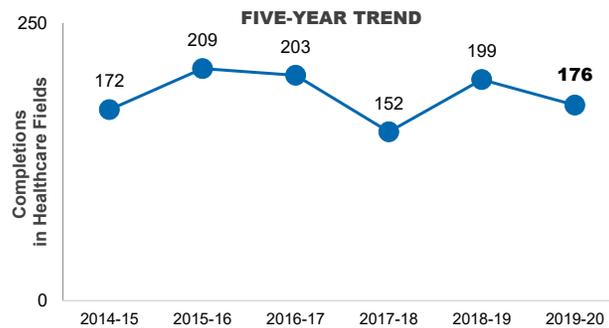
Total Certificates awarded in Healthcare fields in 2019-20

▼ **23**

One-year nominal change (vs. 2018-19)

▲ **4**

Five-year nominal change (vs. 2014-15)



* Certificates Awarded data has been restated for Years before 2017-18.

SERVICE TO THE COMMONWEALTH

DEGREES AWARDED IN STEM FIELDS

4.3k

UG degrees awarded in STEM fields in 2019-20

▲ **2%**

One-year % change (vs. 2018-19)

▲ **34%**

Five-year % change (vs. 2014-15)

33%

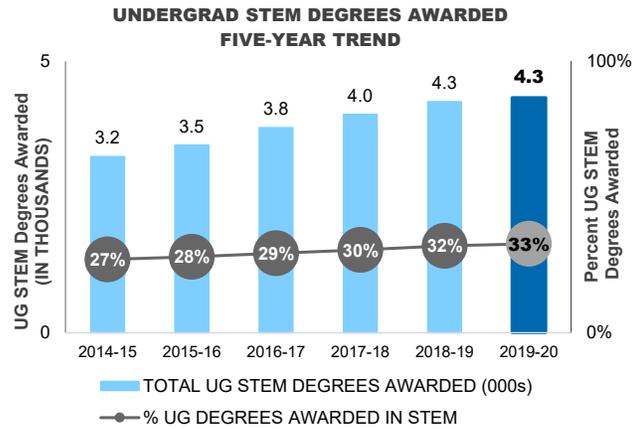
Percent of Total UG degrees awarded in STEM fields in 2019-20

▲ **1**

One-year % point change (vs. 2018-19)

▲ **6**

Five-year % point change (vs. 2014-15)



1.5k

GR degrees awarded in STEM fields in 2019-20

▼ **6%**

One-year % change (vs. 2018-19)

▲ **17%**

Five-year % change (vs. 2014-15)

0

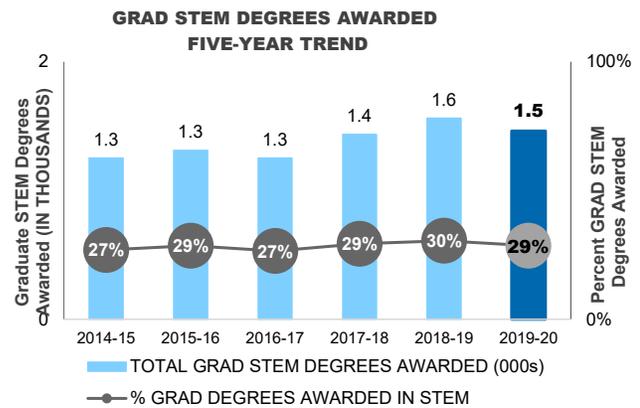
Percent of Total Grad degrees awarded in STEM fields #REF!

▼ **1**

One-year % point change (vs. 2018-19)

▲ **2**

Five-year % point change (vs. 2014-15)



* Data for Years Prior to 2017-18 been updated to reflect Boston Restate

5.8k

Total degrees awarded in STEM fields in

▼ **0%**

One-year % change (vs. 2018-19)

▲ **29%**

Five-year % change (vs. 2014-15)

32%

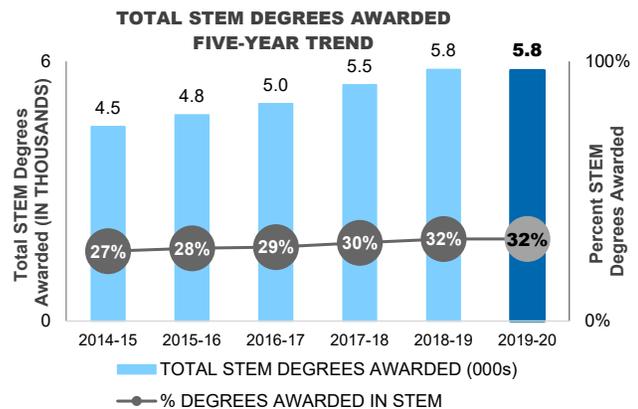
Percent of Total degrees awarded in STEM fields in

● **0**

One-year % point change (vs. 2018-19)

▲ **5**

Five-year % point change (vs. 2014-15)



SERVICE TO THE COMMONWEALTH

CERTIFICATES AWARDED IN STEM FIELDS

211
Total certificates awarded in STEM fields in 2019-20

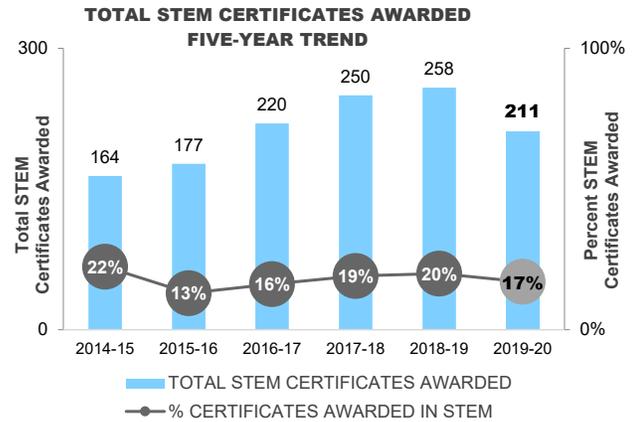
▼ **18%**
One-year % change (vs. 2018-19)

▲ **29%**
Five-year % change (vs. 2014-15)

17%
Percent of Total certificates awarded in STEM fields in 2019-20

▼ **3**
One-year % point change (vs. 2018-19)

▼ **5**
Five-year % point change (vs. 2014-15)



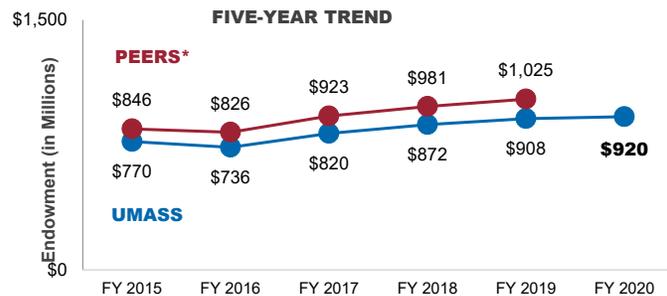
FINANCIAL HEALTH

ENDOWMENT ASSETS

\$920
Million in FY 2020

▲ **1%**
One-year % change (vs. FY 2019)

▲ **19%**
Five-year % change (vs. FY 2015)

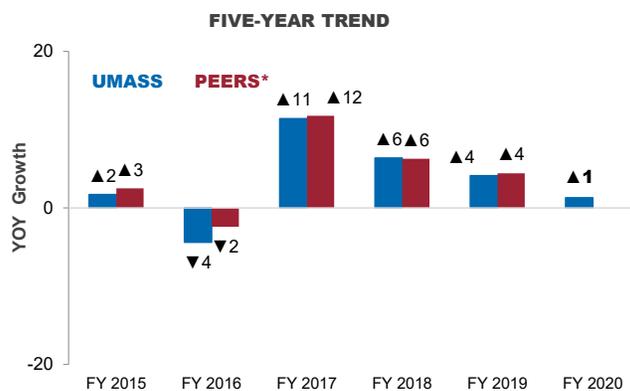


*Peers include U Colorado, U Connecticut, U Illinois, U Maine, U Maryland, U Missouri, and U New Hampshire. Peer endowment changed in FY15. Peer FY20 data not available.

1%
Annual Growth in FY 2020

▼ **4**
One-year % point change (vs. FY 2019)

▼ **3**
Five-year % point change (vs. FY 2015)



FINANCIAL HEALTH

PRIVATE FUNDS RAISED ANNUALLY*

\$123.7

Million
in FY 2020

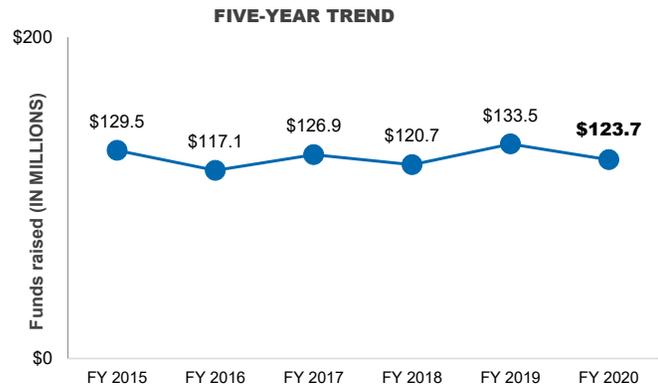
▼ 7%

One-year
% change
(vs. FY 2019)

▼ 4%

Five-year
% change
(vs. FY 2015)

* Includes cash, pledges and grants



LONG-TERM BOND CREDIT RATINGS

Aa2

Moody's Rating
FY 2020

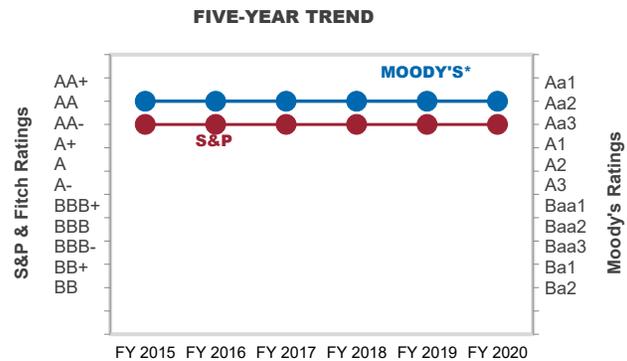
AA-

S&P Rating
FY 2020

AA

Fitch Rating
FY 2020

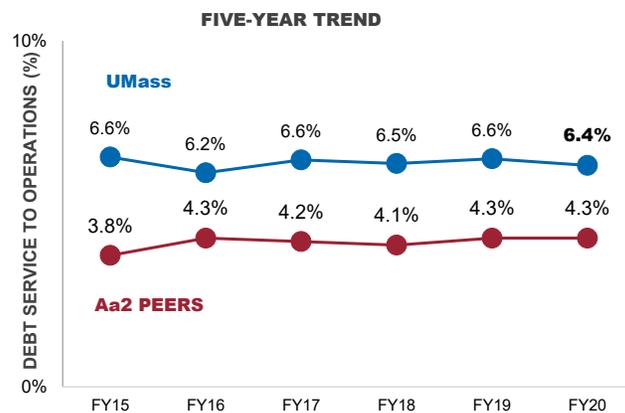
*Fitch ratings equal AA for the entire period and overlap with Moody's Aa2 ratings.



DEBT SERVICE TO OPERATIONS

6%

UMass Debt Service
to Operations
in FY20

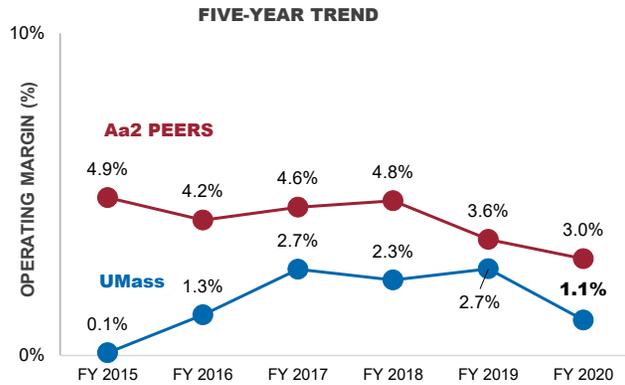


FINANCIAL HEALTH

OPERATING MARGIN (%)

1%

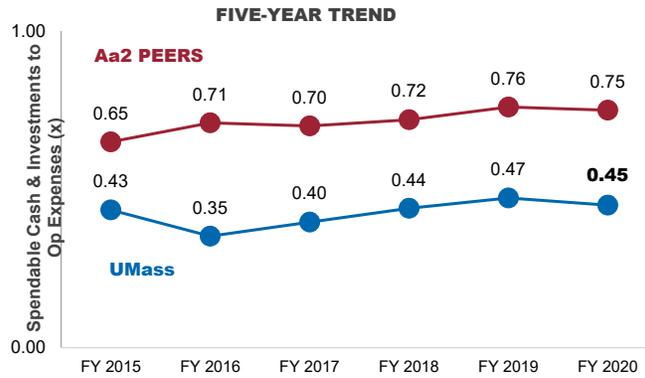
UMass Operating Margin in FY 2020



SPENDABLE CASH & INVESTMENTS TO OP EXPENSES

0.45

Spendable Cash & Investments to Op Expenses in FY 2020



DEFINITIONS AND SOURCES

ACCESS AND AFFORDABILITY INDICATORS

Enrollment of Massachusetts

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

Percentage of Undergraduate Students from Massachusetts. Percentage of total undergraduate students who are residents of Massachusetts.

Undergraduate Students of Color.

Percent undergraduates who are Black/African American, Hispanic/Latino, Asian and/or Native American, divided by total U.S. citizens and permanent residents who report race/ethnicity. Comparative data for 2016 public high school graduates is from the MA Department of Education.

Dual Enrollment Students (Headcount).

Headcount of current non-Degree dual-enrolled students on campus.

Tuition and Fees as a Percentage of Family Income.

Tuition and mandatory fees for in-state undergraduates (FY 2018) as a percentage of state-wide median family income as reported by US Census in 2017 inflation-adjusted dollars (latest available). Comparative data are from IPEDS and US Census.

Total Students Who Participated in a Study Abroad Program.

Number of students who participated in a credit-bearing study abroad program outside of the U.S. over the most recent academic year, either at UMass or elsewhere.

Online Course Registrations Total course enrollments in online courses. Academic Year 2017-18 represents Fall 2017, Winter 2018, Spring 2018, and Summer 2018 enrollments. Data are for fully online (100%). Source: UMassOnline.

SERVICE TO THE COMMONWEALTH INDICATORS

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

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, based on IPEDS Completions data.

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.

Patent Applications. The number of U.S. Patent applications filed per year. Data reported by campuses to UMass President's Office OTCV.

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

Percent of Alumni who live in Massachusetts. Percentage of total UMass undergrad and grad degree recipients who currently reside in Massachusetts based on alumni records.

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.

DEFINITIONS AND SOURCES

SERVICE TO THE COMMONWEALTH INDICATORS

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.

FINANCIAL HEALTH INDICATORS

Endowment Assets and Annual Growth in Endowment. The total value of the endowment (includes true and quasi-endowments) at the end of the fiscal year as reported in the UMass Annual BOT report, and the percent change from the previous year. Comparative data are from IPEDS, financial statements, and the 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.

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, and Fitch.

Debt Service Burden. Compares the relative cost of borrowing to overall expenditures.

Debt service (P&I) / Total expenses

Operating Margin (%). Indicates the excess margin (or deficit) by which annual revenues cover annual expenses (excluding unrealized gains or losses).

(Total revenues – Total expenses)/Total revenues

Spendable Cash & Investments to Operating Expenses. Measures the extent to which the University can rely on wealth that can be accessed over time or for a specific purpose to operate.

(Cash & investments – debt service reserve funds + permanently restricted pledges receivable – permanently restricted Net Assets)/Total expenses.

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

DEFINITIONS AND SOURCES

PEER INSTITUTIONS FOR UMASS SYSTEM

Massachusetts Private Universities

Boston College

Boston University

Brandeis University

Clark University

Harvard University

Massachusetts Institute of Technology

Northeastern University

Suffolk University

Tufts University

University of Alabama at Birmingham, AL

University of Alabama, AL

University of Arizona, AZ

University of Arkansas, AR

University of California, CA

University of Florida, FL

University of Georgia, GA

University of Hawaii, HI

University of Houston System, TX

University of Kansas, KS

University of Kentucky, KY

University of Massachusetts, MA

University of North Texas System, TX

University of Oregon, OR

University of South Carolina, SC

University of Wyoming, WY

Moody's Aa2 Peers

Alamo Community College District, TX

Arizona State University, AZ

Auburn University, AL

Board of Regents of The University System of Georgia, GA

California State University, CA

City University of New York, NY

Clemson University, SC

Cuyahoga Community College District, OH

Florida State University, FL

Houston Community College System, TX

Iowa State University of Science & Technology, IA

Michigan State University, MI

Mississippi Institutions of Higher Learning, MS

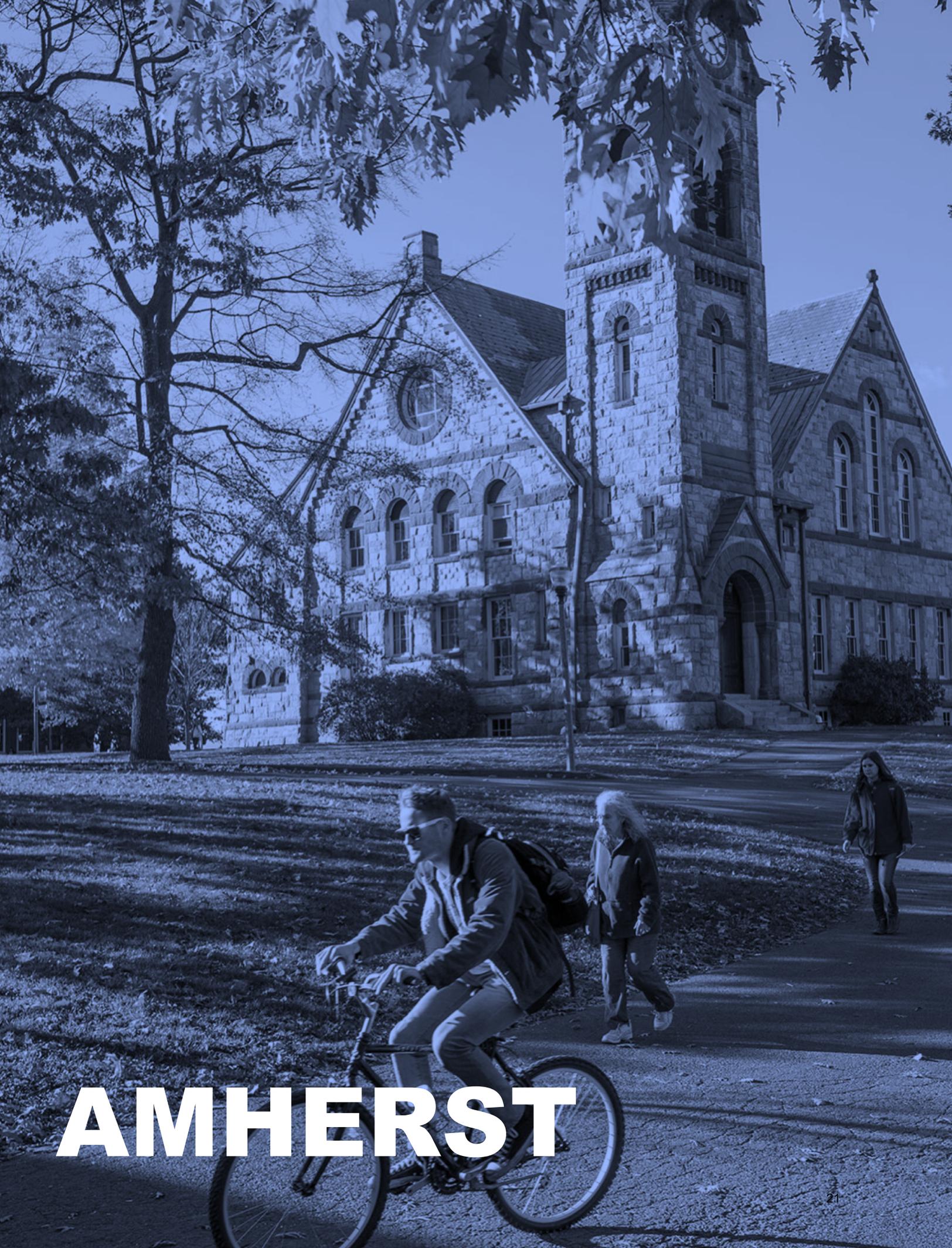
Nevada System of Higher Education, NV

State University of New York, NY

State University System of Florida, FL

Texas State University System, TX

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



AMHERST

HEADLINES

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 highest research activity 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 65 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.

Student Academic Quality. The academic profile of entering students has made impressive gains in recent years, evidenced by the growth in high school GPA and test scores. The high school GPA of entering students increased from 3.64 in 2011 to 3.93 in 2020. Virtually all (99%) students entered UMass Amherst with a high school GPA of 3.0 and above. The SAT score exceeds the peer group at both the 25th and 75th percentiles for the fall 2019 entering class. Further, seniors report high satisfaction with their undergraduate experience. Results from the 2020 National Survey of Student Engagement (NSSE) show that 88% of seniors rated their UMass Amherst educational experience positively.

Advanced Training. The campus has demonstrated strength in the education and training of pre- and post-doctoral researchers.

Though UMass Amherst is below the peer median for the number of doctoral degrees awarded, the awardees are more diverse than our peers.

Research and Creative Activity. Total 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 3% over the last five years to over \$219 million. Per faculty expenditures declined by 2% in the past five years.

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 stable but continues to be below the peer median. The number of prominent grant and fellowship program awards has increased over the last four years remains above the peer median for 2019. A more comprehensive view of awards from Academic Analytics, another source of awards data, shows that UMass Amherst faculty have received over 1,000 nationally or internationally competitive awards.

In recent years, the campus invested in tenure-system faculty, and the number of tenure-system faculty has grown by 3% since 2016. Nevertheless, this is considerably smaller than other 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 Fall 2019, 26% of full-time, in-state students qualified for Pell grants. Eighty-three 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. The proportion of students graduating with debt continues to decrease.

Most UMass Amherst students have a positive educational experience. Eighty-nine percent of

students return for their sophomore year and 83% graduate within six years from UMass Amherst, the highest graduation rate observed since the campus began tracking this metric. The campus has seen a rapid improvement in the four-year graduation rate, which has increased from 63% for the Fall 2008 cohort to 76% for the Fall 2016 cohort. Retention and graduation rate improvements have closed the gap with peer institutions with the graduation rate now exceeding the median peer rate.

HEADLINES

STUDENT SUCCESS AND SATISFACTION

The past year has reinforced the need for coordinated care and attention for undergraduate students and their success, particularly during challenging times. Our foundation of partnerships across departments and divisions has served us well. The Undergraduate Student Success unit coordinates programs and cross-disciplinary teams to focus efforts on student onboarding, persistence, degree completion, and direct support for our most vulnerable populations.

Integrated and holistic academic advising remains a key component of student support and timely degree completion. Student Success works with the schools and colleges through the Success@UMass professional development series on advising best practices. Our partnership with EAB provides access to analytics and coordinated care, best practice research studies, and strategic consulting to improve student academic pathways and decrease barriers to degree progress. Through EAB's Navigate platform, the Student Success unit oversees the Academic Alert program which allows instructors to reach out to students struggling in their courses and connect those students in a coordinated manner with academic supports and success strategies. Among these are the Learning Resource Center's course-based supplemental instruction (tutoring and study groups) and the Student Success Toolkit study skills series. Not surprisingly, during the past year our session "Tips for Virtual Learning," offered both synchronously and asynchronously, was a student favorite.

During remote New Student Orientation in 2020 and 2021, Student Success worked closely with school and college advising personnel to shift to remote advising practices, and now the fully integrated Advantage Design New Student Orientation platform (My UMass Guide) brings important onboarding activity to students prior to attendance, including those who live abroad. Advances in the consistency and pace of transfer credit assessment has also eased the transition of transfer students, with an eye toward their desire to jump in to curricular pathways without adding unnecessary semesters to their path.

A sense of belonging is a key component to college student persistence, and the Student Success unit delivers supplemental resources for First Year Seminars and Residential Academic Programs (RAP) courses to increase student connections. Our partnership with the Campus Life

and Wellbeing Collaborative has also enabled us to build wellbeing programming into the RAP experience. Student Success Outreach emphasizes support of priority populations: First Generation College Students, transfer students, students of color, and students experiencing financial insecurity. Extending the EAB Navigate platform to departments in Student Affairs and Campus Life, specifically the Center for Multiculturalism and Student Success, has integrated success coaching touch points for students of color and foster youth. We have framed our social media messaging to embrace a growth mindset, and the Trajectory Student Success podcast reinforces individual storytelling and belonging, amplifying stories from historically marginalized groups.

To support particularly vulnerable students considering withdrawal or re-enrollment after time away, the Dean of Students Office coordinates with schools and colleges via their case management structure and offers short-term loans, micro-grants, and supply closets to assist students in financial crisis. The Senior Completion Committee reviews students who are very close to graduating and are having difficulty meeting their final financial need to complete their degree. The committee works with students on an integrated completion plan and can provide emergency grants to help support the student in their final semester or year toward degree completion. More broadly, Student Success provides trained peer financial coaching for any student through the Smart About Money program.

The campus has seen an increase in the diversity of the student body. The Fall 2020 entering class contains 33% ALANA students; overall, over three in ten undergraduates were students of color. Also, over one-fifth 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.

As with other campus units, Career and Professional Development faced an unprecedented year due to the Covid-19 pandemic. Uncertainty in the job market and a downturn of the economy presented challenges to students looking for jobs or internships. UMass Career Development met these challenges through collaboration, creativity, and flexibility. Our online programming expanded access to workshops, recruitment events and career coaching, while

HEADLINES

STUDENT SUCCESS AND SATISFACTION

collaboration with employers and alumni provided networking opportunities and “up-to-the-minute” notification of open positions. Career staff and employers alike developed new ways to engage with students and provide experiential learning through micro-internships and portfolios. The

campus hosted 26 career fairs and 765 employer recruitment events over the past year--the majority being online. For the Class of 2020, 81% reported being either employed or attending graduate school, with over 1300 different employers hiring our students.

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 Academic Year 2019-2020, 36% of degrees awarded at the undergraduate and 34% of degrees awarded at the graduate levels were in Science, Technology, Engineering and Mathematics (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 programs, increasing summer and continuing and professional education revenue, attracting more donor support and targeting small increases in out-of-state enrollment. Investment in capital infrastructure, strategic 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 academically accomplished students; 2) establish the campus as a “partner of choice” with a broad range of stakeholders vital to the campus; 3) establish the campus as a community of choice that attracts and retains contributors of all kinds. Mobilizing resources to achieve these goals remains a key strategy, and annual unit plans must demonstrate they are aligned with these campus objectives.

The Office of Advancement is continuing its work with our campaign consultant, Grenzebach, Glier & Associates (GG+A), to secure leadership gifts for the next comprehensive campaign. GG+A completed its feasibility study and shared the report with key stakeholders. The schools, colleges, and units are working on drafts of their individual cases for support, which will help further

develop and refine the comprehensive case for support.

We had outstanding success in engaging record numbers of our constituency through our newly developed or further refined virtual community and opportunities. We will incorporate these opportunities over the next year. Many of the schools, colleges, and units also took advantage of the virtual environment to host events, further solidifying Advancement’s partnership with them. We also realized our success in engaging our constituency online through the online version of our alumni magazine and the “Extra Credit” material offered not only to enhance content in the hard copy of the magazine but also to bridge the gap between issues.

We continued work on a donor relationship management data conversion and began a thorough analysis of our prospect data analytics, prospect management and prospect research functions to better optimize those areas and thus our relationships. We are realizing the return on investment in our alumni and donor communications and donor retention efforts with higher donor retention rates.

Improved donor retention rates combined with asking for and closing more major and planned gifts are building a pipeline which will sustain the campaign efforts and thus the University well into the future.

AT-A-GLANCE

ACADEMIC QUALITY

• Average HS GPA of Freshmen	3.93	• Percent Tenured/Tenure-Track Faculty FTE	69%
• Average SAT Scores of Freshmen		• Faculty FTE	1555
<i>Arithmetic Mean</i>	1290	• Full-Time Instructional Faculty	
<i>25th – 75th Percentile</i>	1200-1390	<i>Percent Faculty-of-Color</i>	25%
• Average GPA of Entering Transfer Students	3.35	<i>Percent Women Faculty</i>	46%
• Student-Faculty Ratio	17:1	• Faculty Awards	20
• Technology-Enhanced Classrooms	305		

ACCESS AND AFFORDABILITY

• Percent Undergraduates from Students from MA	77%	• Percent In-State Pell Grant Recipients	26%
• Percent Undergraduates who are Students of Color	31%	• Percent of Need Met for In-State Students Awarded Need-Based Aid	83%
• Percent Undergraduates who are International	7%	• Average Debt of Students (UG Graduating Class)	\$32,928
• Percent First-Time Undergraduates who are First Generation in College	21%	• Percent Graduating Class with Debt (UG)	64%
• Percent First-Time Undergraduates with English as a Second Language	13%	• Total Students who Participated in a Study Abroad Program	968
• Percent Undergraduates Who Are Of Transfer Origin	19%	• Online Course Registrations	27,338
• Dual Enrollment Students (Headcount)	49	Percentage of degree-seeking students taking at least one online course who were full time and fully online.	8%

STUDENT SUCCESS AND SATISFACTION

• Freshmen One-Year Retention Rate	89%	• Transfer (Upper Division) Four-Year Graduation Rate	82%
• Freshmen Four-Year Graduation Rate	76%	• Student Satisfaction With Educational Experience	88%
• Freshmen Six-Year Graduation Rate	83%	• Alumni Participation Rate	6%
• Transfer (Full-time) One-Year Retention Rate	88%		

AT-A-GLANCE

SERVICE TO THE COMMONWEALTH

• Degree Completions	8,339	• Percent Alumni who Remain in MA	54%
<i>Bachelor's</i>	6,259	• Degrees Awarded in STEM Fields	2,969
<i>Master's</i>	1,716	<i>Undergraduate</i>	2,265
<i>Doctorates</i>	364	<i>Graduate</i>	704
• Total R&D Expenditures	\$219M	• Certificates Awarded in STEM Fields	74
• Total R&D Expenditures Ranking	109	• Degrees Awarded in Healthcare Fields	712
• Total R&D Expenditures Ranking among Carnegie Peers, US Publics, Non-Medical	10	<i>Undergraduate</i>	503
• Total R&D Expenditures per Tenure System Faculty	\$193,465	<i>Graduate</i>	209
• Patent Applications	25	• Certificates Awarded in Healthcare Fields	31
• License Income	\$620,711		

FINANCIAL HEALTH

• Total Endowment	\$368.4M	• Spendable Cash & Investments to Operating Expenses	0.45
• Annual Growth in Endowment	1.4%	• Debt Service Burden	6.4%
• Endowment per Annualized Student FTE	\$12,040	• Operating Margin (%)	0.2%
• Private Funds Raised Annually	\$34.0M		

ACADEMIC QUALITY

AVERAGE HIGH-SCHOOL GPA OF FIRST-TIME FRESHMEN

3.93

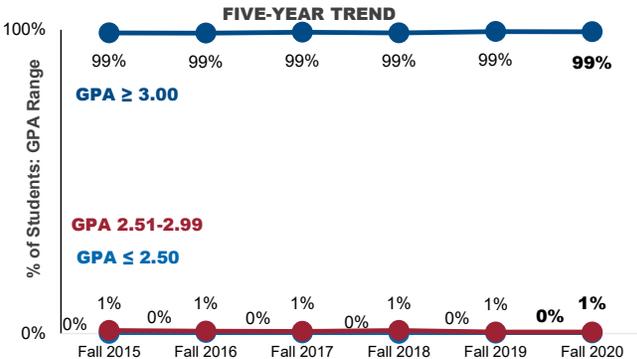
Average HS GPA in Fall 2020

▲ **0.03**

One-year nominal change (vs. Fall 2019)

▲ **0.10**

Five-year nominal change (vs. Fall 2015)



SAT SCORES OF FRESHMEN

1390

SAT Scores of Freshmen 75th Percentile in Fall 2020

● **0**

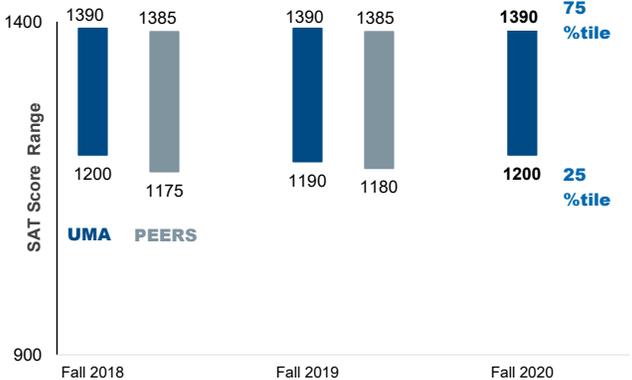
One-year nominal change (vs. Fall 2019)

1200

SAT Scores of Freshmen 25th Percentile in Fall 2020

▲ **10**

One-year nominal change (vs. Fall 2019)

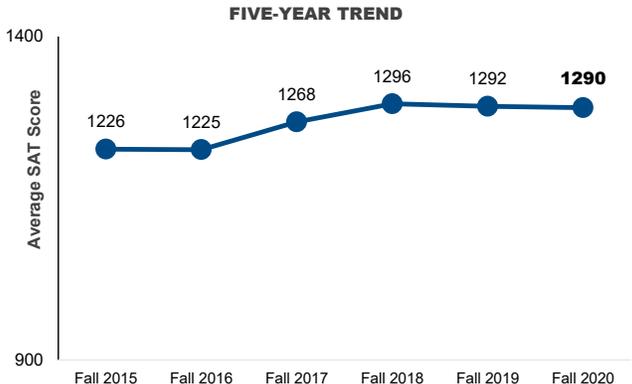


1290

Average SAT Scores of Freshmen in Fall 2020

▼ **2**

One-year nominal change (vs. Fall 2019)



ACADEMIC QUALITY

AVERAGE GPA OF ENTERING TRANSFER STUDENTS

3.35

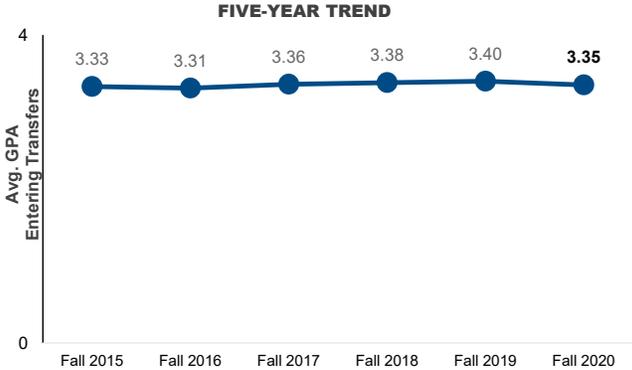
Average transfer GPA in Fall 2020

▼ **0.05**

One-year nominal change (vs. Fall 2019)

▲ **0.02**

Five-year nominal change (vs. Fall 2015)



STUDENT-FACULTY RATIO

17:1

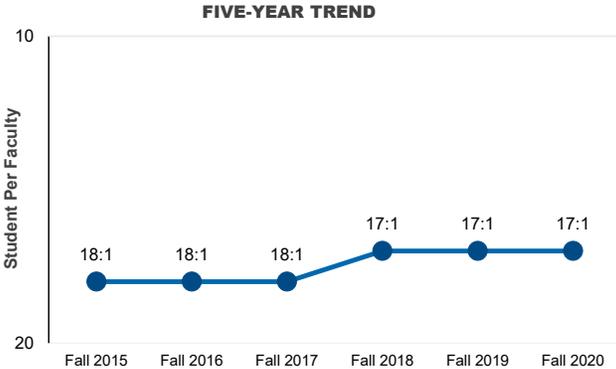
Student-Faculty Ratio in Fall 2020

● **0**

One-year nominal change (vs. Fall 2019)

▲ **1**

Five-year nominal change (vs. Fall 2015)



TECHNOLOGY-ENHANCED CLASSROOMS

305

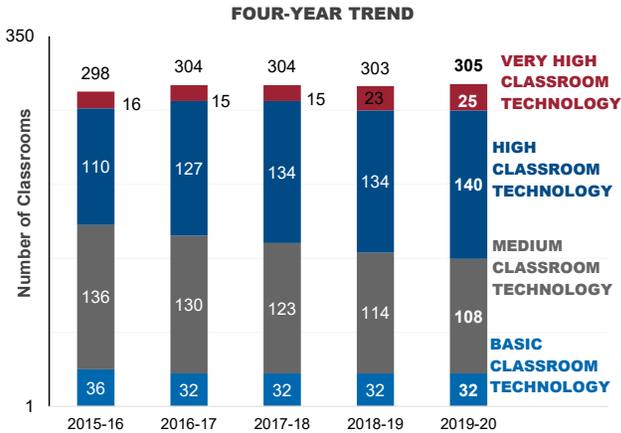
Total Technology Enhanced Classrooms in 2019-20

▲ **1%**

One-year % change (vs. 2018-19)

▲ **2%**

Four-year % change (vs. 2015-16)



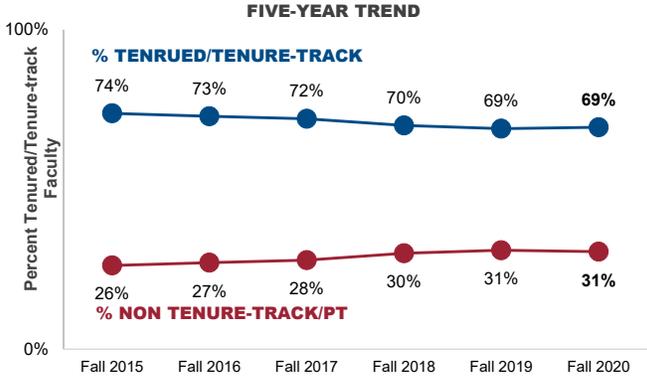
ACADEMIC QUALITY

PERCENT TENURED/TENURE-TRACK FACULTY FTE

69%
Percent Tenured/
Tenure-track Faculty
in Fall 2020

▲ 0
One-year
% point change
(vs. Fall 2019)

▼ 4
Five-year
% point change
(vs. Fall 2015)

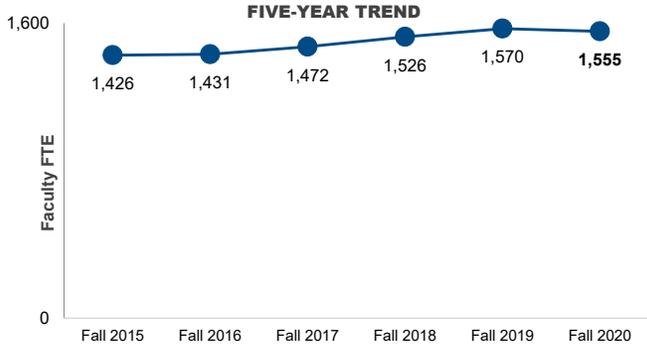


FACULTY FTE

1555
Faculty FTE
in Fall 2020

▼ 1%
One-year
% change
(vs. Fall 2019)

▲ 9%
Five-year
% change
(vs. Fall 2015)



FACULTY-OF-COLOR

333
Faculty Of Color
in Fall 2020

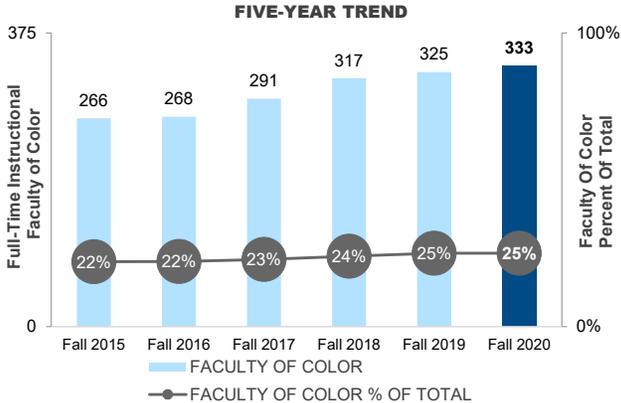
▲ 8
One-year
nominal change
(vs. Fall 2019)

▲ 67
Five-year
nominal change
(vs. Fall 2015)

25%
Percent of
Faculty Of Color
in Fall 2020

● 0
One-year
% point
(vs. Fall 2019)

▲ 3
Five-year
% point
(vs. Fall 2015)



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

ACADEMIC QUALITY

WOMEN FACULTY

668

Women Faculty
in Fall 2020

▲ **4**

One-year
nominal change
(vs. Fall 2019)

▲ **83**

Five-year
nominal change
(vs. Fall 2015)

46%

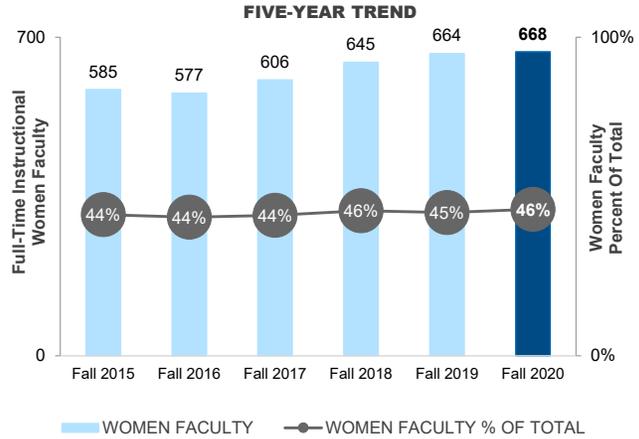
Percent of
Women Faculty
in Fall 2020

▲ **1**

One-year
nominal change
(vs. Fall 2019)

▲ **2**

Five-year
nominal change
(vs. Fall 2015)



FACULTY AWARDS

20

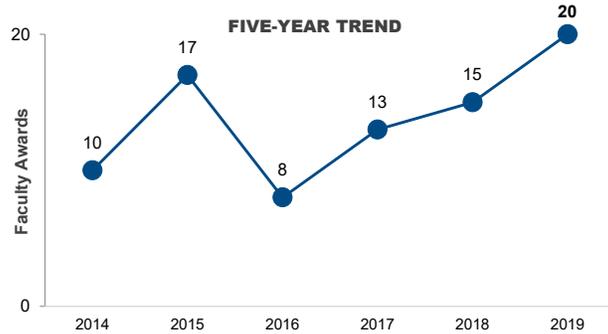
Faculty Awards
in 2019

▲ **5**

One-year
nominal change
(vs. 2018)

▲ **10**

Five-year
nominal change
(vs. 2014)



Source : The Top American Research Universities

ACCESS AND AFFORDABILITY

UNDERGRADUATES FROM MASSACHUSETTS

18,627

Undergraduates from
Massachusetts
in Fall 2020

▲ **0%**

One-year
% change
(vs. Fall 2019)

▲ **8%**

Five-year
% change
(vs. Fall 2015)

77%

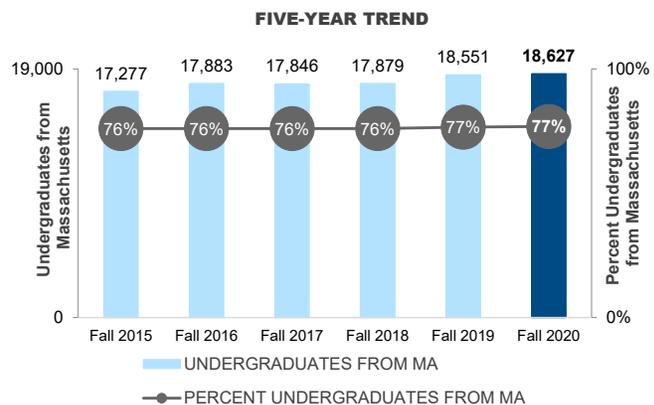
% Undergraduates
from Massachusetts
in Fall 2020

● **0**

One-year
% point change
(vs. Fall 2019)

● **0**

Five-year
% point change
(vs. Fall 2015)



ACCESS AND AFFORDABILITY

UNDERGRADUATE STUDENTS OF COLOR

6,645

Undergraduates
Students of Color
in Fall 2020

▲ **5%**

One-year
% change
(vs. Fall 2019)

▲ **40%**

Five-year
% change
(vs. Fall 2015)

31%

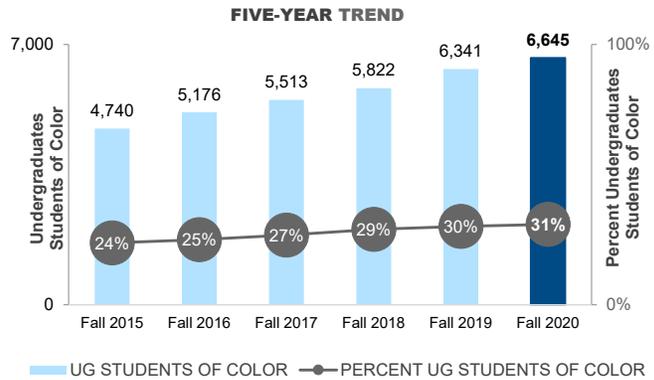
% Undergraduates
Students of Color
in Fall 2020

▲ **1**

One-year
% point change
(vs. Fall 2019)

▲ **7**

Five-year
% point change
(vs. Fall 2015)



UNDERGRADUATES WHO ARE INTERNATIONAL

1,669

International UG
Enrollment
in Fall 2020

▼ **7%**

One-year
% change
(vs. Fall 2019)

▲ **70%**

Five-year
% change
(vs. Fall 2015)

7%

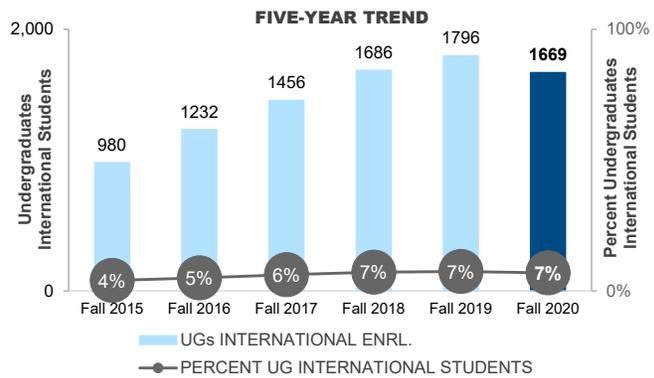
% International UG
Enrollment
in Fall 2020

▼ **1**

One-year
% point change
(vs. Fall 2019)

▲ **3**

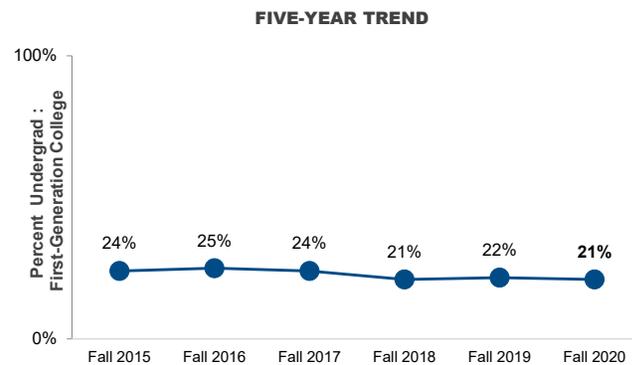
Five-year
% point change
(vs. Fall 2015)



PERCENT FIRST-TIME UNDERGRADUATES WHO ARE FIRST-GENERATION IN COLLEGE

21%

Percent first-time
Undergraduates
who are First-Generation
College in Fall 2020



*The data source prior to 2018 is based on survey responses, 2018 to present is based on Common Application responses.

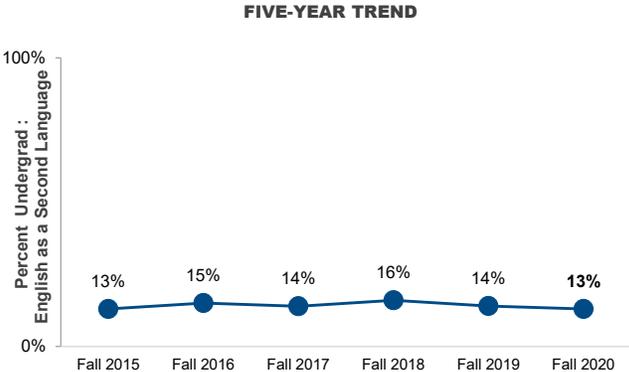
ACCESS AND AFFORDABILITY

PERCENT FIRST-TIME, FULL-TIME UNDERGRADUATES WITH ENGLISH AS A SECOND LANGUAGE

13%

Percent Undergraduates
Speak English as a
Second Language
in Fall 2020

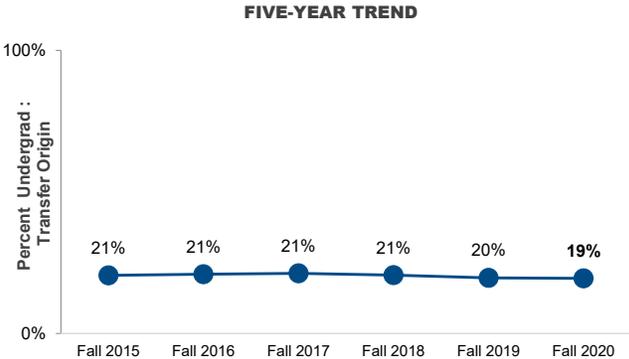
*The data source prior to 2018 is based on survey responses,
2018 to present is based on Common Application responses.



PERCENT UNDERGRADUATES WHO ARE OF TRANSFER ORIGIN

19%

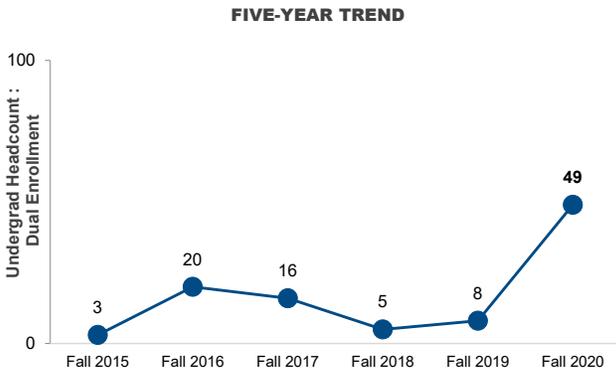
Percent Undergraduates
who are of Transfer-Origin
in Fall 2020



DUAL ENROLLMENT STUDENTS (HEADCOUNT)

49

Dual Enrolled
Students
in Fall 2020



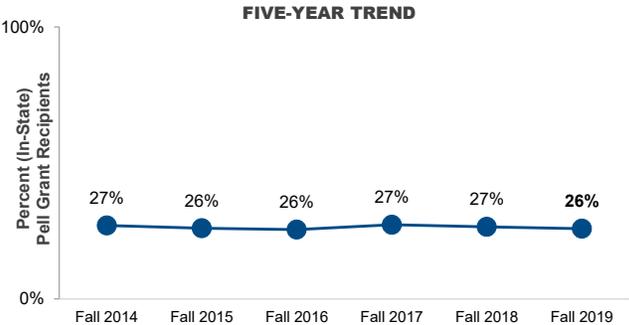
ACCESS AND AFFORDABILITY

PERCENT IN-STATE PELL GRANT RECIPIENTS

26%
Percent (In-State) Pell Grant Recipients in Fall 2019

▼ 1
One-year % point change (vs. Fall 2018)

▼ 1
Five-year % point change (vs. Fall 2014)

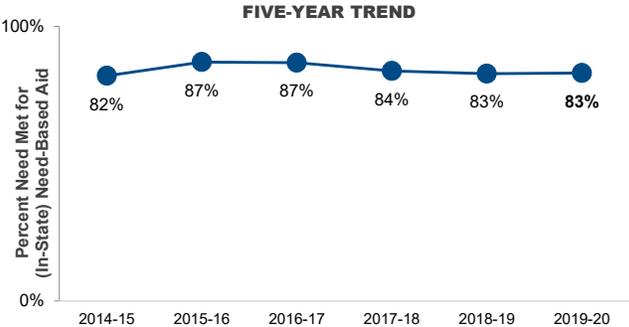


PERCENT NEED MET FOR IN-STATE STUDENTS AWARDED NEED-BASED AID

83%
Percent Need Met for (In-State) Need-Based Aid in 2019-20

▲ 0
One-year % point change (vs. 2018-19)

▲ 1
Five-year % point change (vs. 2014-15)



UNDERGRADUATE STUDENT DEBT LOAD OF GRADUATING CLASS

\$32.9k
Average Debt Load in 2020

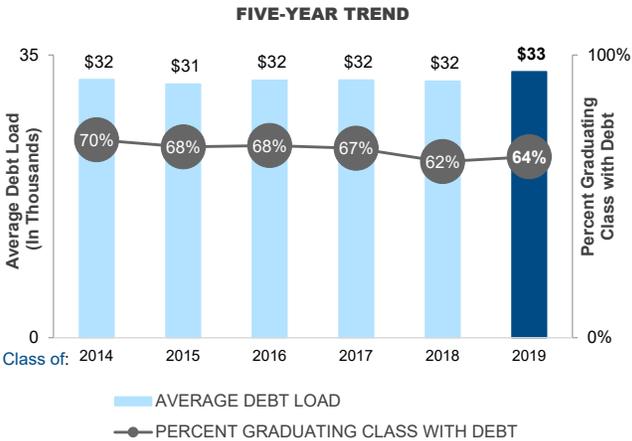
▲ 4%
One-year % change (vs. 2019)

▲ 3%
Five-year % change (vs. 2015)

64%
Percent Graduating Class with Debt in 2020

▲ 2
One-year % point change (vs. 2019)

▼ 6
Five-year % point change (vs. 2015)



ACCESS AND AFFORDABILITY

TOTAL STUDENTS WHO PARTICIPATED IN A STUDY ABROAD PROGRAM

968

Students who participated in Study Abroad in Fall 2019-Smr.20

▼ **229**

One-year nominal change vs. Fall 2018-Smr.19

▼ **222**

Five-year nominal change vs Fall 2014 -Smr. 15



TOTAL ONLINE COURSE REGISTRATIONS

27,338

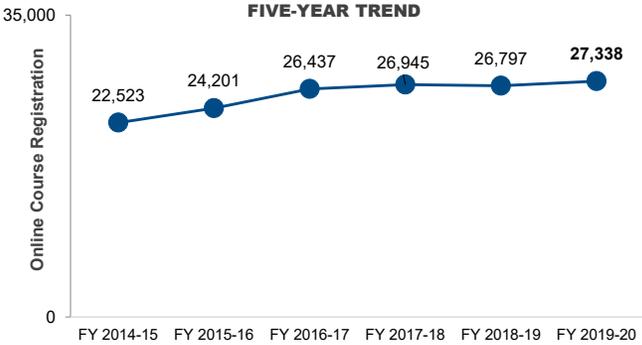
Online Course Registrations in FY 2019-20

▲ **2%**

One-year % change (vs. FY 2018-19)

▲ **21%**

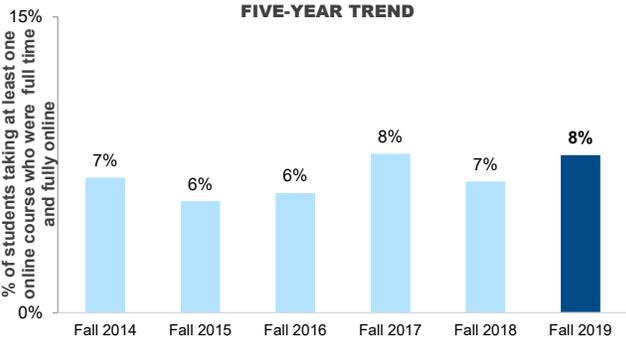
Five-year % change (vs. FY 2014-15)



PERCENTAGE OF DEGREE-SEEKING STUDENTS TAKING AT LEAST ONE ONLINE COURSE WHO WERE FULL TIME AND FULLY ONLINE

8%

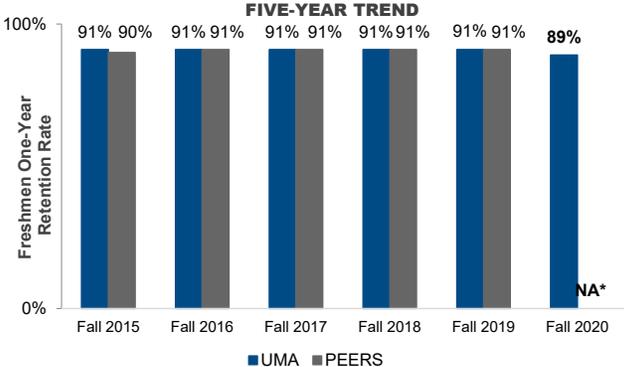
Students taking at least one online course who were full time and fully online in Fall 2019



STUDENT SUCCESS AND SATISFACTION

FRESHMEN ONE-YEAR RETENTION RATE

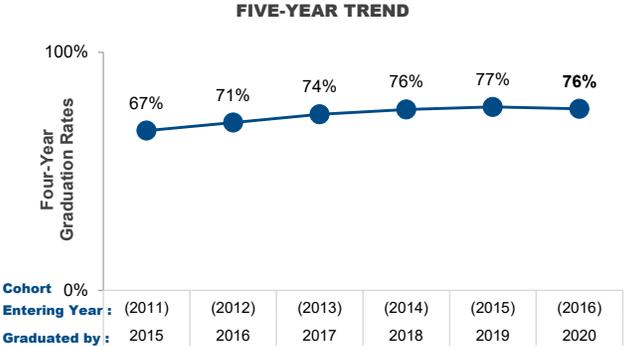
89%
 Freshmen One-Year Retention Rate in Fall 2020
 ▼ **2** One-year % point change (vs. Fall 2019)
 ▼ **2** Five-year point (vs. Fall 2015)



* Peer data for Fall 2020 not available for reporting purposes.

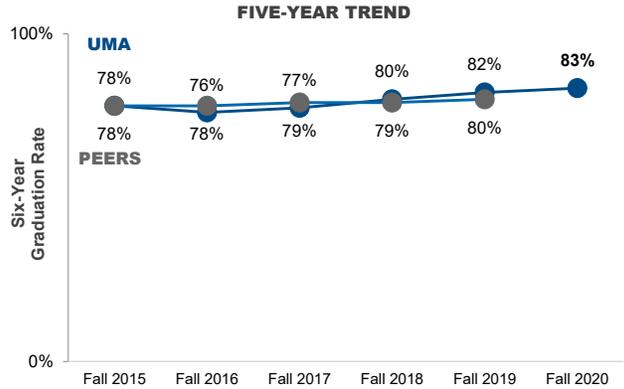
FRESHMEN FOUR-YEAR GRADUATION RATES

76%
 Freshmen Four-Year Graduation Rates in 2020
 ▼ **1** One-year % point change (vs. 2019)
 ▲ **9** Five-year % point change (vs. 2015)



FRESHMEN SIX-YEAR GRADUATION RATE

83%
 UMA Freshmen Six-Year Graduation Rates in Fall 2020
 ▲ **1** One-year % point change (vs. Fall 2019)
 ▲ **5** Five-year % point change (vs. Fall 2015)



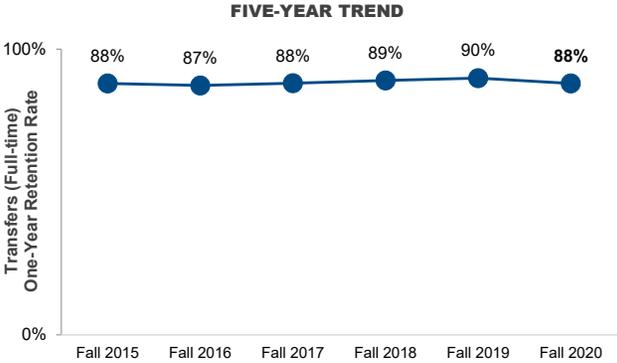
STUDENT SUCCESS AND SATISFACTION

TRANSFER (FULL-TIME) ONE-YEAR RETENTION RATE

88%
 Transfers (Full-time)
 One-Year
 Retention Rate
 in Fall 2020

▼ **2**
 One-year
 % point change
 (vs. Fall 2019)

▼ **0**
 Five-year
 % point change
 (vs. Fall 2015)

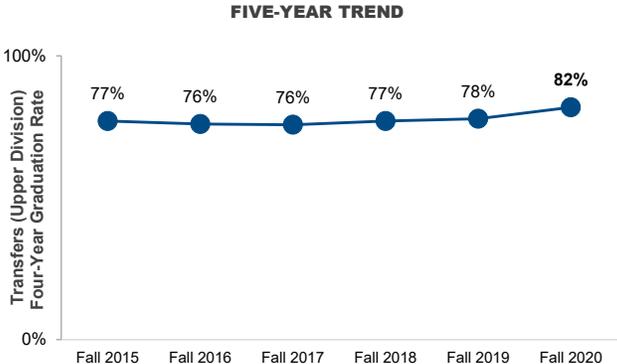


TRANSFER (UPPER DIVISION) FOUR-YEAR GRADUATION RATE

82%
 Transfers (Upper
 Division) Four-Year
 Graduation Rates
 in Fall 2020

▲ **4**
 One-year
 % point change
 (vs. Fall 2019)

▲ **5**
 Five-year
 % point change
 (vs. Fall 2015)



STUDENT ACHIEVEMENT MEASURE

Cohort starting in : 2014-15

80%
 Bachelor's Degree
 Within 4 Yrs. from
 any institution

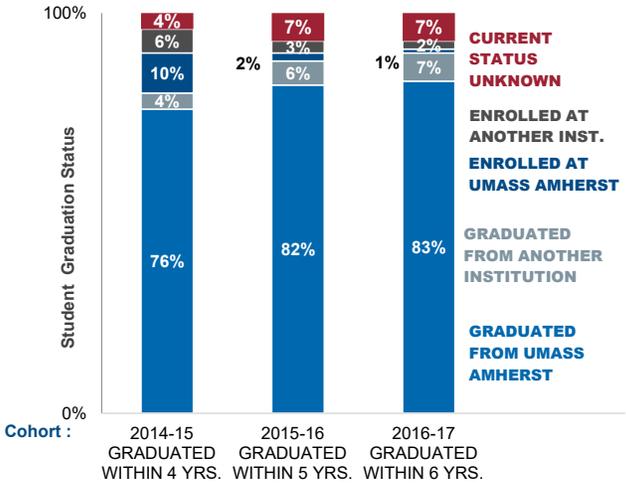
88%
 Bachelor's Degree
 Within 5 Yrs. From
 any institution

90%
 Bachelor's Degree
 Within 6 Yrs. From
 any institution

76%
 Bachelor's Degree
 Within 4 Yrs. from
 UMass Amherst

82%
 Bachelor's Degree
 Within 5 Yrs. From
 UMass Amherst

83%
 Bachelor's Degree
 Within 6 Yrs. From
 UMass Amherst



Source : Student Achievement Measure (SAM)

STUDENT SUCCESS AND SATISFACTION

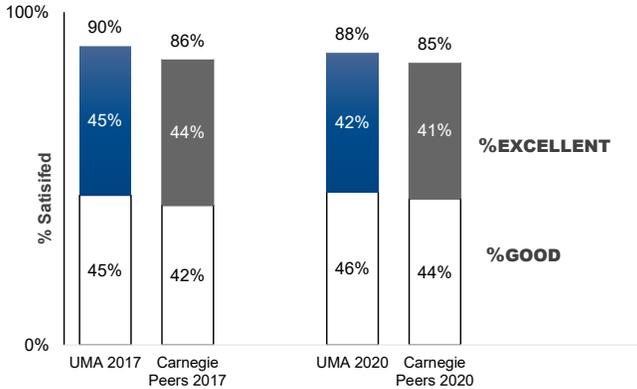
STUDENT SATISFACTION WITH EDUCATIONAL EXPERIENCE

88%

Student Satisfaction as Good or Excellent in UMA 2020

▼ 2

Three-year % point change (vs. UMA 2017)



ALUMNI PARTICIPATION RATE

6%

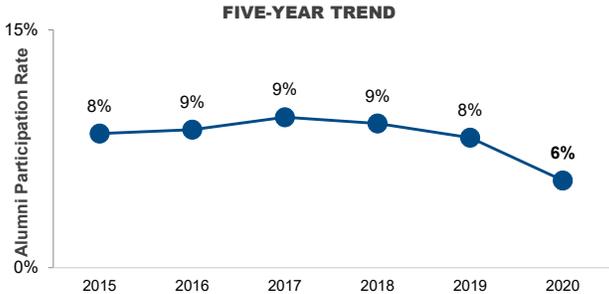
Alumni Participation Rate in 2020

▼ 2

One-year % point change (vs. 2019)

▼ 2

Five-year % point change (vs. 2015)



SERVICE TO THE COMMONWEALTH

DEGREE COMPLETIONS

8,339

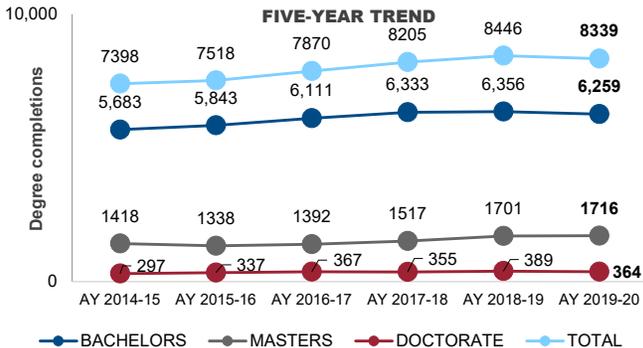
Total degree completions AY 2019-20

▼ 1%

One-year % change in total degree completions (vs. AY 2018-19)

▲ 13%

Five-year % change in total degree completions (vs. AY 2014-15)



SERVICE TO THE COMMONWEALTH

TOTAL R&D EXPENDITURES

\$219.4

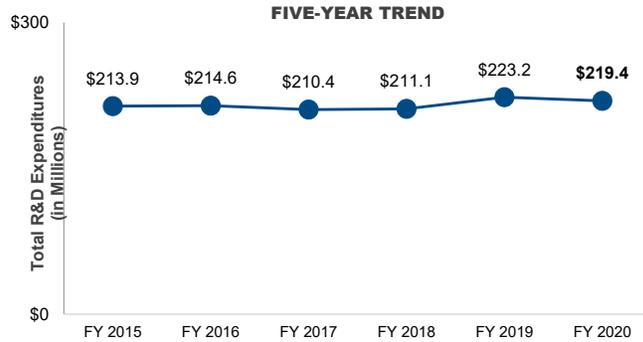
Million
in FY 2020

▼ **2%**

One-year
% change
(vs. FY 2019)

▲ **3%**

Five-year
% change
(vs. FY 2015)



TOTAL R&D EXPENDITURES RANKINGS

109

Total R&D Expenditures
Overall Rankings
in FY 2019

▲ **2**

One-year
nominal change
(vs. FY 2018)

▼ **6**

Five-year
nominal change
(vs. FY 2014)

10

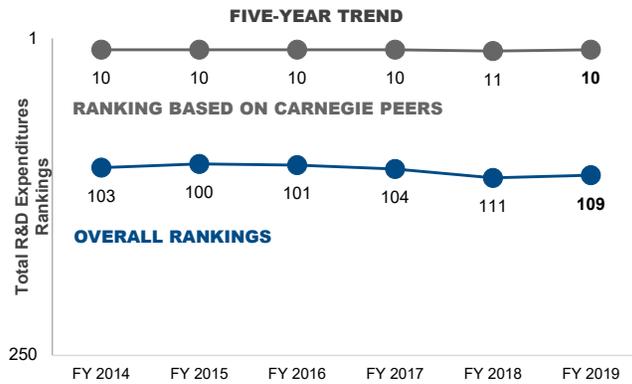
Rankings based on
Carnegie Peers
in FY 2019

▲ **1**

One-year
nominal change
(vs. FY 2018)

▼ **0**

Five-year
nominal change
(vs. FY 2014)



Overall Ranking Source: National Science Foundation Ranking by Total R&D Expenditures.

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

TOTAL R&D EXPENDITURES PER TENURED SYSTEM FACULTY

\$193k

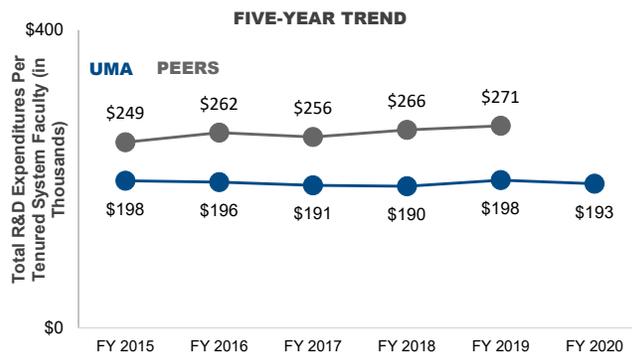
Total R&D Expenditure
Per Tenured
System Faculty
in FY 2020

▼ **2%**

One-year
% change
(vs. FY 2019)

▼ **2%**

Five-year
% change
(vs. FY 2015)



* Peer data for FY 2020 is currently not available.

SERVICE TO THE COMMONWEALTH

NUMBER OF PATENT APPLICATIONS

25

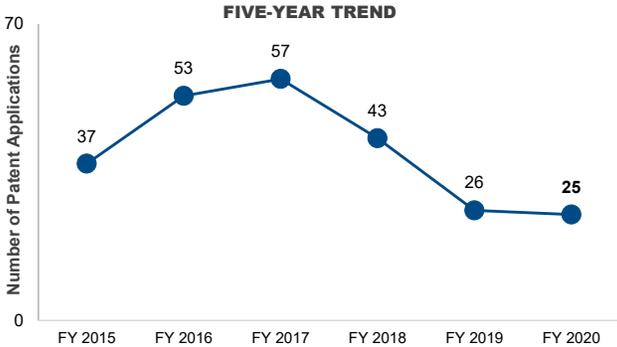
Patent Applications in FY 2020

▼ **1**

One-year nominal change (vs. FY 2019)

▼ **12**

Five-year nominal change (vs. FY 2015)



LICENSE INCOME

\$620.7k

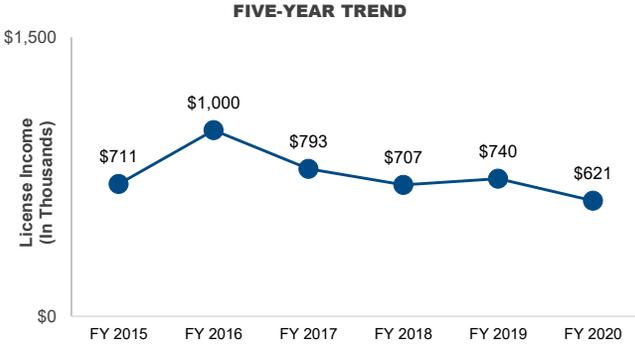
License Income in FY 2020

▼ **16%**

One-year % change (vs. FY 2019)

▼ **13%**

Five-year % change (vs. FY 2015)



PERCENT ALUMNI WHO LIVE IN MASSACHUSETTS

54%

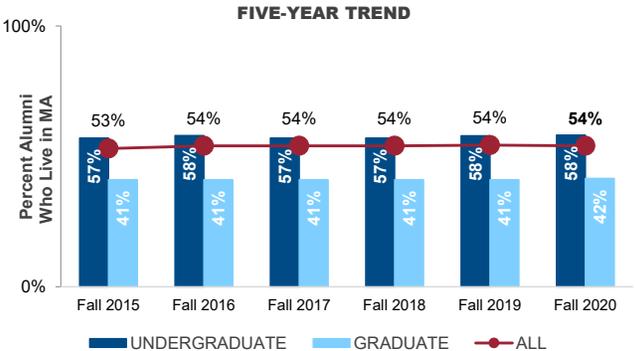
Of all UMass Alumni live in the Commonwealth in Fall 2020

▼ **0**

One-year % point change (vs. Fall 2019)

▲ **1**

Five-year % point change (vs. Fall 2015)



SERVICE TO THE COMMONWEALTH

DEGREES AWARDED IN STEM FIELDS

2,265

UG degrees awarded in STEM fields in 2019-20

▲ 5%

One-year % change (vs. 2018-19)

▲ 32%

Five-year % change (vs. 2014-15)

36%

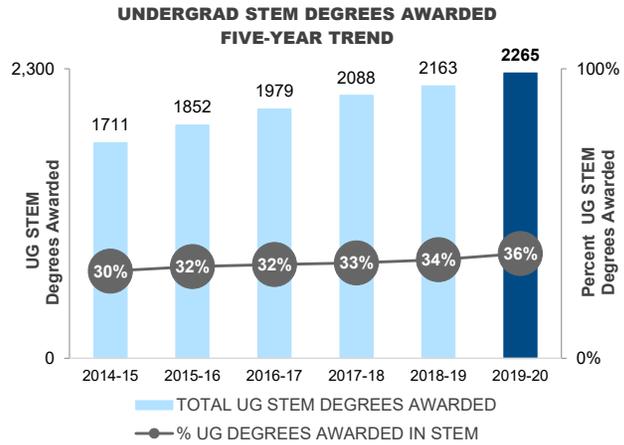
Percent of total UG degrees awarded in STEM fields in 2019-20

▲ 2

One-year % point change (vs. 2018-19)

▲ 6

Five-year % point change (vs. 2014-15)



704

Grad degrees awarded in STEM fields in 2019-20

▼ 5%

One-year % change (vs. 2018-19)

▲ 31%

Five-year % change (vs. 2014-15)

34%

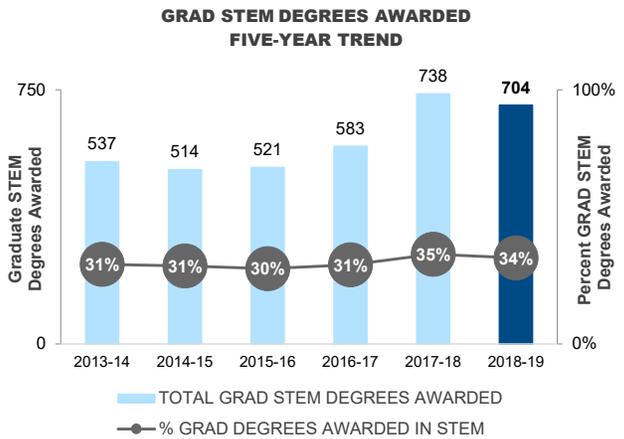
Percent of total Grad degrees awarded in STEM fields in 2019-20

▲ 1.5

One-year % point change (vs. 2018-19)

▲ 3

Five-year % point change (vs. 2014-15)



2,969

Total degrees awarded in STEM fields in 2019-20

▲ 2%

One-year % change (vs. 2018-19)

▲ 32%

Five-year % change (vs. 2014-15)

36%

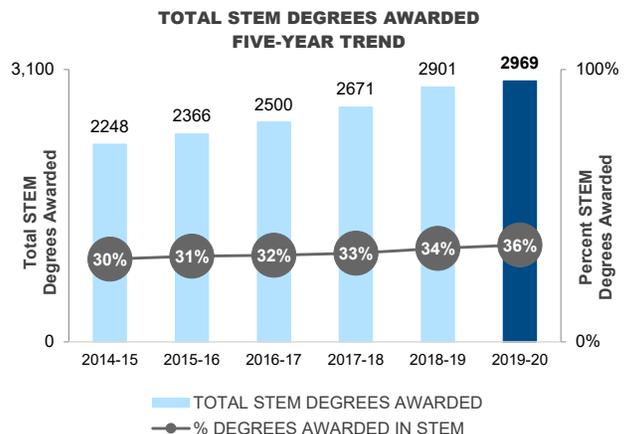
Percent of Total degrees awarded in STEM fields in 2019-20

▲ 1.3

One-year % point change (vs. 2018-19)

▲ 5

Five-year % point change (vs. 2014-15)



SERVICE TO THE COMMONWEALTH

CERTIFICATES AWARDED IN STEM FIELDS

74

Total Certificates awarded in STEM fields in 2019-20

▼ **12**

One-year nominal change (vs. 2018-19)

▲ **41**

Five-year nominal change (vs. 2014-15)

13%

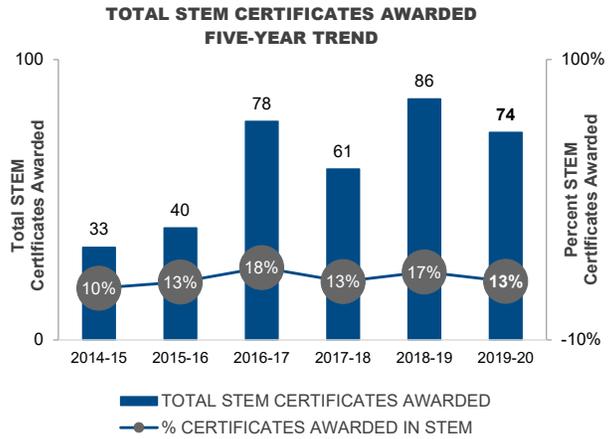
Percent of Total Certificates awarded in STEM fields in 2019-20

▼ **4**

One-year % point change (vs. 2018-19)

▲ **3**

Five-year % point change (vs. 2014-15)



DEGREES AWARDED IN HEALTHCARE FIELDS

712

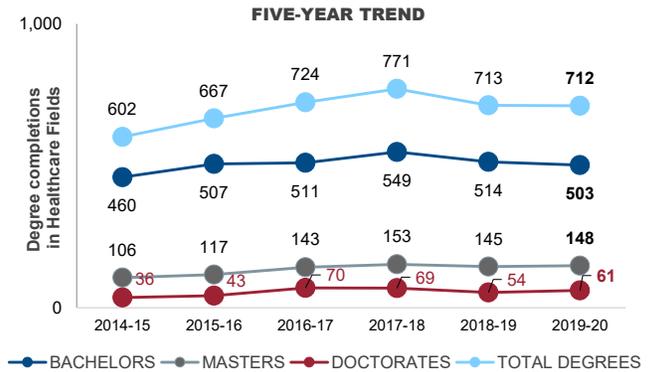
Total degrees awarded in HealthCare fields in 2019-20

▼ **0%**

One-year % point change (vs. 2018-19)

▲ **18%**

Five-year % point change (vs. 2014-15)



CERTIFICATES AWARDED IN HEALTHCARE FIELDS

31

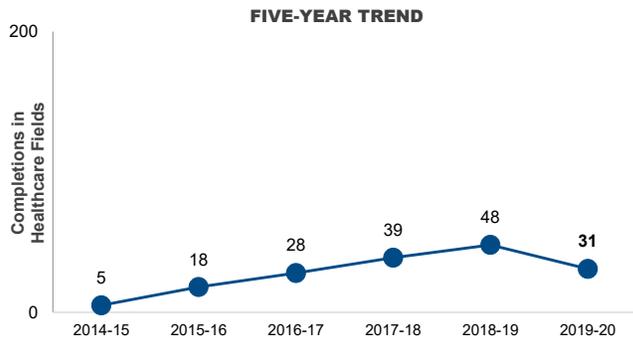
Total Certificates awarded in HealthCare fields in 2019-20

▼ **35%**

One-year % point change (vs. 2018-19)

▲ **520%**

Five-year % point change (vs. 2014-15)



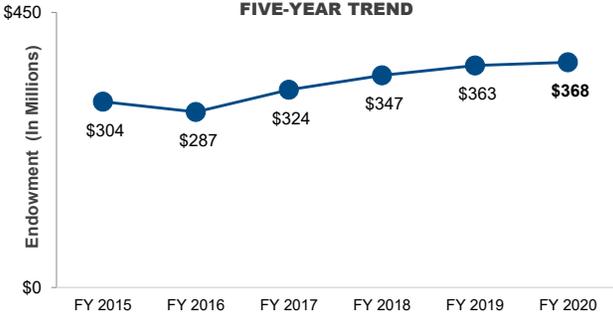
FINANCIAL HEALTH

ENDOWMENT ASSETS AND ANNUAL GROWTH IN ENDOWMENT

\$368M
Endowment Assets
in FY 2020

▲ 1%
One-year
% change
(vs. FY 2019)

▲ 21%
Five-year
% change
(vs. FY 2015)

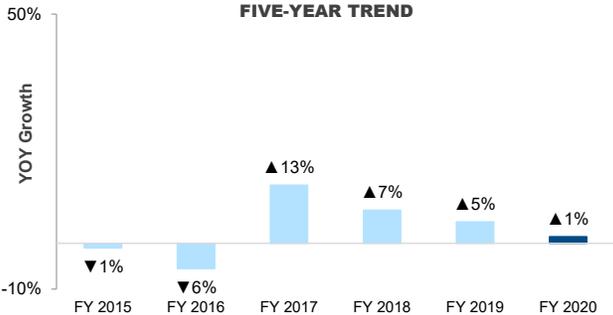


ENDOWMENT ASSETS AND ANNUAL GROWTH IN ENDOWMENT

1%
Annual Growth
in FY 2020

▼ 4
One-year
% point change
(vs. FY 2019)

▲ 2
Five-year
% point change
(vs. FY 2015)

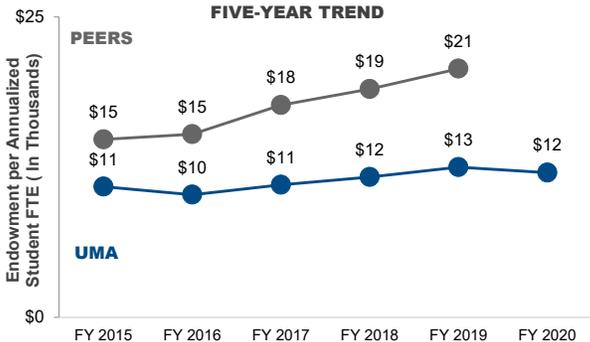


ENDOWMENT PER ANNUALIZED STUDENT FTE

\$12.0k
Endowment per Annualized
Student FTE
in FY 2020

▼ 4%
One-year
% change
(vs. FY 2019)

▲ 11%
Five-year
% change
(vs. FY 2015)



* Peer data for FY 2020 not available for reporting purposes.

FINANCIAL HEALTH

PRIVATE FUNDS RAISED ANNUALLY

\$34.0M

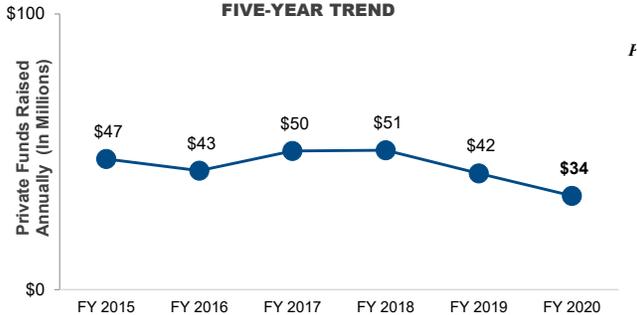
Private Funds Raised Annually in FY 2020

▼ **19%**

One-year % change (vs. FY 2019)

▼ **28%**

Five-year % change (vs. FY 2015)



SPENDABLE CASH & INVESTMENTS TO OPERATING EXPENSES

0.45

Spendable Cash & Investments to Operating Expenses in FY 2020



DEBT SERVICE BURDEN

6.4%

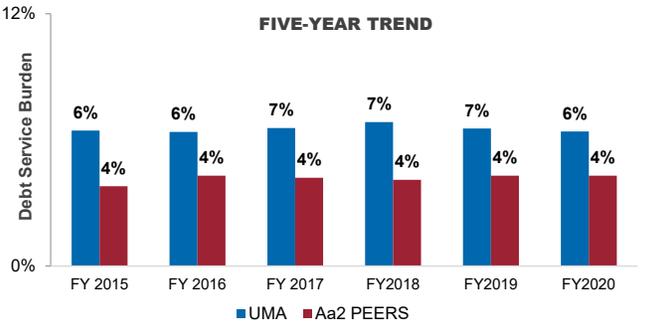
Debt Service Burden in FY2020

▼ **0.1**

One-year % Point change (vs. FY2019)

▼ **0.0**

Five-year % Point change (vs. FY 2015)



FINANCIAL HEALTH

OPERATING MARGIN (%)

0.2%

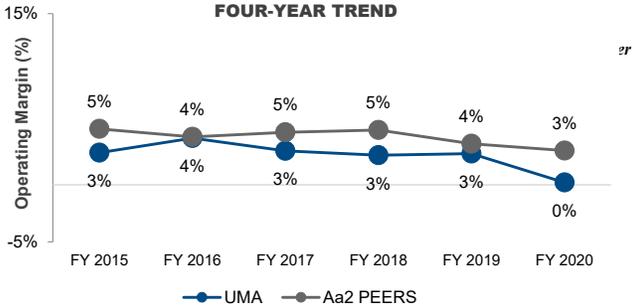
Operating Margin (%)
in FY 2020

▼ **3.0**

One-year
% Point change
(vs. FY 2019)

▼ **3.0**

Four-year
% Point change
(vs. FY 2016)



DEFINITIONS AND SOURCES

ACADEMIC QUALITY INDICATORS

Average High School GPA of First-Time

Freshmen. Cumulative GPA for college prep courses with additional weight to honors and AP courses, according to DHE admissions policy, reported on all first-time students.

SAT Scores of Freshmen. SAT scores of Freshmen. All reported SAT scores are based on the sum of the SAT MSS and the ERWS for entering freshmen. A redesigned SAT was used for Fall 2017 admissions; therefore, scores for Fall 2016 and before cannot be compared to scores for Fall 2017 and later. The average is the arithmetic mean of these SAT scores. Peer data are from IPEDS.

Average GPA of Entering Transfer Students.

Average Cumulative GPA of entering transfer students according to DHE 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.

Technology-Enhanced Classrooms.

Classification of the campus's total classroom capacity in terms of the level of technology-support.

Percent Tenured/Tenure-Track Faculty (FTE).

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

Faculty FTE. Definition of Faculty FTE is per the Common Data Set, and includes all faculty teaching credit courses, including credit courses offered via Continuing Education.

Faculty-of-Color. 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.

Women 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.

ACCESS AND AFFORDABILITY INDICATORS

Percentage Undergraduates from

Massachusetts. Percentage of total undergraduate students who are "In State" or residents of Massachusetts based on tuition residency. For state-supported (day) students, tuition classification is used, whereas for CPE students, the actual residency at time of matriculation is used.

Percent Undergraduates who are Students of Color. Undergraduates who self-identify as either African American/Black, Hispanic/ Latino, Asian, Hawaiian/Pacific Islander, American Indian/Alaskan Native, and/or Two or more races. Hispanic students who list one or more additional

groups will be coded as Hispanic. Cape Verdean students who identify solely as Cape Verdean will be coded as Not Reported. Included only for U.S. Citizens and Permanent Residents who report race and ethnicity divided by total undergraduate U.S. citizens and permanent residents who report race/ethnicity.

Percent Undergraduates who are

International. Percentage of all undergraduates who are non-resident aliens, studying at the university on an eligible visa types, and enrolled in credit courses. Does not include permanent residents, refugees, or US citizens.

DEFINITIONS AND SOURCES

ACCESS AND AFFORDABILITY INDICATORS

Percent Undergraduates who are First Generation in College. Percent of first-time, full-time undergraduates where neither parent has earned a bachelor's degree. The source of this data field is the Common Application.

Percent first-time, full-time Undergraduates with English as a Second Language. Percent of first-time, full-time undergraduates who speak another language at home. The source of this data field will be from the Common Application.

Percent Undergraduates Who Are of Transfer Origin. Percent of all currently enrolled bachelor's degree-seeking undergraduate students who were admitted as transfer students at the institution.

Dual Enrollment Students (Headcount). Headcount of current non-Degree dual-enrolled students on campus.

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 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 Student Debt Load of Graduating Class (UG). Average debt load is based on the total debt borrowed by an Institution's graduating class (bachelor's, first-time only) divided by the number of students of that cohort that carried any

amount of debt. It does not include those students with no debt load. It does not include students who have transferred in. The graduating class includes those that graduated between July 1 and June 30 of the reporting year. Data is from CDS.

Percent Graduating Class with Debt (UG). The total number of students in the graduating class (bachelor's, first-time only) that carried a debt load at the institution divided by the total number of graduating (bachelor's, first-time only) students in that institution. It does not include students who have transferred in. The graduating class includes those that graduated between July 1 and June 30 of the reporting year. Data is from CDS.

Number of Students who Participated in a Study Abroad Program. Number of students who participated in a credit-bearing study abroad program outside of the U.S. over the most recent academic year, either at UMass or elsewhere.

Online Course Registrations. 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 courses only offered via UMassOnline.

Percentage of degree-seeking students taking at least one online course who were full time and fully online. Metric calculated using the formula below. Data from fall student headcount of degree-seeking students, split by full-time and part-time status, who fall into the following categories: Enrolled exclusively in online courses; Enrolled in at least one, but not all, online courses; and Not enrolled in any online courses. (As per IPEDS definition).
$$\frac{\text{(Full time Enrolled exclusively in online courses)}}{\text{(Full time Enrolled in at least one, but not all, online courses + Full time Enrolled exclusively in online courses + part-time Enrolled in at least one, but not all, online courses + part-time Enrolled exclusively in online courses)}}$$

STUDENT SUCCESS AND SATISFACTION INDICATORS

Freshmen One-Year Retention Rate. Percent of first-time, full-time, degree-seeking freshmen who entered UMass in a given Fall and were still enrolled

at the institution in the following Fall. Peer data as reported to IPEDS.

DEFINITIONS AND SOURCES

STUDENT SUCCESS AND SATISFACTION INDICATORS

Freshmen Four-Year Graduation Rate.

Percent of first-time, full-time, degree-seeking freshmen who entered UMass in a given Fall term and graduated from the institution by the end of their fourth year. Associates degree and CPE students are excluded.

Freshmen Six-Year Graduation Rate.

Percent of first-time, full-time freshmen who entered UMass in a given Fall term and had graduated from the institution within six years. Peer data are based on median as reported to IPEDS. Associates degree and CPE students are excluded.

Transfer (Full-Time) One-Year Retention

Rate. Percent of full-time transfer students at any level who entered UMass in a given Fall and were still enrolled at, or graduated from the institution as of the following Fall.

Transfer (Upper-Division) Four-Year

Graduation Rate. Percent of full-time upper division transfers (60+ credits) who entered UMass in a given Fall term and had graduated from the institution within four years.

Student Achievement Measure. SAM tracks student movement across postsecondary institutions to provide a more complete picture of undergraduate student progress and completion within the higher education system. SAM is an alternative to the federal graduation rate, which is limited to tracking the completion of first-time, full-time students at one institution.

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 most recently conducted National Survey of Student Engagement (NSSE).

Alumni Participation Rate. The 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. Graduates who earned only a graduate degree are excluded.

SERVICE TO THE COMMONWEALTH INDICATORS

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

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.

Total R&D Expenditures Ranking. Annual NSF ranking of Total R&D expenditures, for all postsecondary institutions participating in the NSF HERD Survey. 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 “Highest Research” and

with no medical school. Data source NCES WebCaspar/NSF HERD data tables.

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 by NSF and IPEDS.

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

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

DEFINITIONS AND SOURCES

SERVICE TO THE COMMONWEALTH INDICATORS

Percent Alumni who Live in

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

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. Number of undergraduate and graduate degrees awarded in Health Care 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.

FINANCIAL HEALTH INDICATORS

Endowment Assets and Annual Growth in

Endowment. The total value of the endowment (includes true and quasi-endowments) at the end of the fiscal year as reported in the UMass Annual BOT report, and the percent change from previous year. Comparative data are from IPEDS, financial statements, and the NACUBO survey.

Endowment per Annualized Student FTE.

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

Spendable Cash & Investments to

Operating Expenses. Measures the extent to which the University can rely on wealth that can be accessed over time or for a specific purpose to operate.

Debt Service to Operations. Debt service as a percentage of total operating expenditures (operating expenditures plus interest expense). Peer data are from published financial statements.

Operating Margin (%). Indicates the excess margin (or deficit) by which annual revenues cover annual expenses (excluding unrealized gains or losses)

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.



BOSTON

HEADLINES

ACADEMIC QUALITY

Improve Student Learning Experience

We continue to attract well-qualified freshmen and transfers to our entering classes in greater numbers. We emphasize the high school GPA for admissions decisions and have successfully maintained an average GPA of over 3.15 for the last five entering classes, rising to 3.34 in Fall 2020. The mean SAT score of incoming first year students was 1117.

UMass Boston continues to stand out as a model of excellence for urban universities as it tied with several other schools for No. 227 in the 2022 Best National University Rankings. The university also ranks No. 36 in the nation for social mobility, No. 19 for ethnic diversity, and No. 112 overall among national public universities. Additionally, the undergraduate nursing program was ranked among the best in the country, coming in at No. 43. U.S. News also ranked UMass Boston's engineering program and computer science program among the best in the country, at No. 62 and No. 178, respectively. UMass Boston has 12 top-tier graduate programs recognized by U.S. News including the rehabilitation counseling program at No. 15, the education program at No. 48, the clinical psychology program at No. 56, and the public affairs program at No. 69.

Strengthen Research and Development

UMass Boston continues to advance as an increasingly sophisticated research university. Between FY 2015 and FY 2020, UMass Boston's Total R&D expenditures reported to NSF have remained above \$64.2 million. In terms of sponsored instruction and outreach per faculty, this figure has increased to nearly \$135,000 per faculty member in FY20 (a 12% increase over FY15).

Professor of Nursing Dr. Haeok Lee is the site principal investigator on a National Institute of Health/National Institute on Aging funded grant studying Alzheimer's Disease in Asians. Lee's research focuses on Korean Americans as part of a joint study called the Asian Cohort for Alzheimer's Disease with the University of Pennsylvania, Boston University, Columbia University, University of California San Francisco, and other sites around the world.

Assistant Professor of Counseling and School Psychology Kerrie Wilkins-Yel was awarded the

National Science Foundation CAREER grant for her research titled, "Advancing STEM Persistence among Graduate Women of Color through an Examination of Institutional Contributors and Deterrents to Mental Health". With this five-year grant, she hopes to address the inequitable representation of women of color in STEM and center the voices of graduate women of color by examining the psychological implications of having to navigate systemic barriers, such as racism, within their STEM environments.

Assistant Professor of Chemistry Niya Sa was awarded a \$589,037 Faculty Early Career Development from the National Science Foundation to understand the interfacial challenges of new battery materials, which is closely related to the development of next generation rechargeable battery technology. To push forward rechargeable battery technology, Sa and her team aim to develop and apply advanced electroanalytical tools to probe the interfacial evolution for the next generation battery materials, to better understand the limiting factors and offer possible solutions to develop the beyond lithium ion technologies.

Melissa Collier-Meek and Nedim Yel, from the College of Education and Human Development's Department of Counseling and School Psychology, along with Lisa Sanetti, from University of Connecticut, received a \$3.7 million grant from the U.S. Department of Education's Institute of Education Sciences to study the impacts of giving teachers the support they need to apply data-backed behavioral interventions in the classroom.

Professors of Psychology Zsuzsa Kaldy and Erik Blaser were awarded a three-year, \$457,061 R15 grant from the National Institutes of Health to support their work studying the role of effort in visual working memory in infants and young toddlers. Their project will investigate how working memory develops between the ages of three and four using behavioral and physiological methods, including eye-tracking and pupillometry.

Two research projects led by UMass Boston faculty were selected to receive awards totaling \$1.1 million by the Massachusetts Life Sciences Center (MLSC). MLSC's Bits to Bytes program awarded the Oregon-Massachusetts

HEADLINES

ACADEMIC QUALITY

Mammography Database \$750,000, led by Assistant Professor of Computer Science Daniel Haehn. MLSC's Open Capital program, awarded \$388,000 to the project titled "NextGen Sequencing at the Next Level: The University of Massachusetts Boston CPCT Genomics Core" led by Jill Macoska, Alton J. Brann Endowed Chair and Distinguished University Professor of Science and Mathematics, along with Venture Development Director William Brah, Associate Professor of Mathematics Kourosh Zarringhalam, and Genomics Core Manager Susan Patalano-Salsman.

Associate Professor of Management and acclaimed climate change strategist Nardia Haigh was awarded the 2020 Book Award from the Organizations and Natural Environment Division of the Academy of Management Award, which recognizes the best book published in the previous three years in the area of organizations and the

natural environment. Haigh's book, Scenario Planning for Climate Change, sets out an engaging step-by-step scenario planning method that executives, board members, managers, and consultants can follow to develop a long-term strategy for climate change tailored for any business.

Renew Faculty

In AY 2020-21 UMass Boston was successful in recruiting 25 tenured or tenure-track faculty while sustaining the high proportion of full-time instructional faculty that are persons of color at 31 percent and are female at 51 percent. Tenure-stream faculty growth slowed during the past years, based on enrollment performance. Tenure-stream faculty, which represents 58 percent of all full-time instructional faculty, is a critical factor in ensuring the continued success of our 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 of our undergraduates are from Massachusetts (87%). UMass Boston serves large numbers of racial minority students (62%), first-generation college students (57%), transfers (57%), and students who are immigrants or children of immigrants who speak languages other than English at home or with families (51%). Our students are also diverse in age and national origin. In keeping with UMass Boston's strategic goal of global engagement, the proportion of international students has remained near 10 percent over the past five years.

The social and economic diversity of our students is illustrated by the fact that 48 percent of our full-time undergraduate students from Massachusetts receive Pell grants, federal funds targeted toward students in greatest financial need. The undergraduate student debt load of the recent graduating class was only 53 percent, down from 66 percent six years ago.

UMass Boston's numbers of online course registrations have continued to increase, marking the third consecutive fiscal year of growth and an overall growth in five years of 26 percent (representing over 18,000 registrations). Seventy percent of Fall 2020 online enrollments were exclusively enrolled in online courses.

The University of Massachusetts system received a cash gift of \$50 million from Robert J. and Donna Manning. The first distribution of the \$50 million will be \$15 million to endow the UMass Boston nursing program, which will become the Robert and Donna Manning College of Nursing and Health Sciences. The College of Nursing and Health Sciences is the fastest-growing college at UMass Boston and offers the only four-year public programs in nursing and exercise and health sciences in the Greater Boston area. The undergraduate and graduate population of approximately 2,100 students and the college is 19% Black, 12% Latinx and 11% Asian American Pacific Islander (AAPI). These funds will be focused on supporting student diversity and ensuring that the new cohort of nursing professionals are champions of equitable patient care.

HEADLINES

STUDENT SUCCESS AND SATISFACTION

The Chemistry Department and Division of Student Affairs were awarded a \$300,000 National Science Foundation grant for developing and investigating an asset-based supplemental course to increase student success in undergraduate general chemistry. The project, led by Chemistry Professor Hannah Sevia and Dean of Students and Associate Vice Chancellor for Student Affairs John Silveria, focuses on tracking the success of students who enroll in a one-credit supplemental course, CHEM 105, that runs alongside the General Chemistry I course. CHEM 105 is offered to students who are at risk of failing the general chemistry course. The goal is to reduce failure

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 6,700 undergraduates who identify as ALANA (Asian, Latinx, African American / Black, or Native American). UMass Boston has the most diverse undergraduate student population of any four-year research university in New England. In Fall 2020, 62 percent of our U.S. undergraduate students identified as ALANA.

The one-year retention rates for first year students has remained comparable to our peers over the past five years, 76 percent for those students who entered in Fall 2019. The 82 percent retention rate for entering transfer students was comparable to first-year students during the same period. The six-year graduation rate for the Fall 2014 cohort was 49 percent. The four-year graduation rate for the Fall 2016 cohort was 28 percent, reflecting a continued increase over the past six years from the 21 percent rate for the Fall 2015 cohort.

The University received a \$1.3 million grant from the U.S. Department of Education to advance its work as an Asian American and Native American Pacific Islander-Serving Institution (AANAPISI). The five-year grant further strengthens UMass Boston's capacity as the only AANAPISI-designated research university in New England and one of a handful in the country—a status held by the university since 2008. Since 2010 UMass Boston has received four five-year and four one-year AANAPISI grants totaling nearly \$6.8 million to develop, pilot, institutionalize, and disseminate a

rates in General Chemistry I and contribute to understanding how at-risk students at a diverse university can succeed in general chemistry. The new supplemental course aims to support student success by providing opportunities in a group setting to practice key skills, drawing on the strengths of student participants needed for success in general chemistry, including mathematical and study skills. The course recognizes and builds on strengths that students have developed in other areas of their lives, channeling them toward their own and each other's academic success in chemistry.

wide range of activities to increase college access, retention, and graduation for low-income, first-generation Asian American students, who comprise 14 percent of the student body. The aim is to increase the academic performance and retention, persistence and graduation rates of high-need, low-income, first-generation Asian American students; develop capacity of faculty to meet the needs of students; and align the university's research efforts to contribute to this effort.

The U.S. Department of Education, Office of Postsecondary Education has awarded Think College at the Institute for Community Inclusion, University of Massachusetts Boston, a five-year, \$10 million cooperative agreement through the Transition and Postsecondary Programs for Students with Intellectual Disabilities to serve as the National Coordinating Center for institutions of higher education (IHE) that offer postsecondary education programs for students with intellectual disabilities. The Coordinating Center will support increased knowledge about the impact and outcomes of postsecondary education for students with intellectual disability through collection and analyses of national data on effective and high-quality practices. It will also serve as a national technical assistance entity for IHE faculty and staff, local education agency staff, students, families, and other stakeholders. A major outcome of the center will be to establish a process to implement national program accreditation standards to ensure the quality and accountability of college programs for students with intellectual disability.

HEADLINES

SERVICE TO THE COMMONWEALTH

Seventy percent of UMass Boston 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.

Enrollments continue to grow steadily in Science, Technology, Engineering, and Mathematics (STEM), with nearly 4,000 students in these disciplines in Fall 2020, and 31 percent of undergraduate students pursuing a STEM discipline. The number of STEM degrees and certificates awarded has increased 53 percent from AY 2014-15 to AY 2019-20.

The Center for Survey Research supported several surveys including the Annual Massachusetts Public Housing Survey (in collaboration with the Massachusetts Department of Housing and Community Development), Project Bread's SNAP Perception Survey to better understand how residents utilize food resources in Boston and across the Commonwealth, and a collaborative effort with the Center of Excellence for Pediatric Quality Measurement at Boston Children's Hospital to better understand telemedicine experiences among parents and adolescents.

The Mauricio Gastón Institute has partnered with Bunker Hill Community College since 2016 to increase college access, retention, and graduation rates among Latino students from BHCC who transfer to UMB through a data-sharing agreement. Additionally, the Gastón manages the Talented and Gifted (TAG) Latino program and Alerta program which serves over 100 BPS students by providing academic and cultural enrichment in afterschool programs and a five-week Summer Learning Academy for Latinx students and bilingual youth.

The Gerontology Institute at UMass Boston houses four centers including the Osher Lifelong Learning Institute (OLLI). OLLI provides intellectual stimulation and social connections for older learners, most of whom are in their 70s and 80s,

many of whom live in Dorchester, South Boston, Quincy, and Braintree, as well as other communities on the South Shore. Like other UMass Boston programs during COVID-19, OLLI was forced to pivot to online learning with the added challenge of making online learning accessible to its members, most of whom had little or no experience.

Additionally, the AARP Foundation awarded a grant to the Gerontology Institute at the University of Massachusetts Boston for a two-year project to increase access to economic opportunities for older people of color in the greater Boston area (Boston neighborhoods as well as surrounding cities and towns including Saugus, Revere, and Quincy). The \$288,000 grant will fund the project that builds on the institute's age-friendly work across the state, particularly the Age Friendly Boston Initiative, and its expertise in economic security issues in later life. The project's goal is to improve access to existing programs and resources that could reduce costs or generate new income for older people of color. It is a joint effort by the institute's Center for Social and Demographic Research on Aging and CANALA, a research collaboration of UMass Boston's Institute for Asian American Studies, the Institute for New England Native American Studies, The Mauricio Gastón Institute for Latino Community Development and Public Policy, and the William Monroe Trotter Institute for the Study of Black Culture.

The Center for Social Development and Education offers unique opportunities for UMass Boston to engage the Greater Boston community. Thanks to a partnership across two campuses in the UMass system, in 2021, Camp Shriver was hosted in person at the UMass Amherst Mt. Ida Campus in Newton. UMB / Camp Shriver served over 100 campers, 50% with a disability, in the surrounding communities of Boston and Quincy with four weeks of programming at no cost to the families.

HEADLINES

FINANCIAL HEALTH

Endowment assets totaled \$92.3 million in FY 2020. Endowment per annualized student FTE grew from \$5,935 in FY 2015 to \$7,657 in FY 2020, an increase of 29%. Total private funds raised increased slightly to \$24.2 million from FY19 to FY20 (which was a record-breaking year), and these two fiscal years represent a significant increase (95%) over the five, ten and twenty-year averages in total giving. Additionally, the campus surpassed its ambitious goal of raising \$100 million through the Just Imagine campaign that commenced in 2011.

FY21 is marked by two large events: the campus continuing in remote operations that began in the last quarter of FY20 due to the COVID-19 pandemic; and, large amounts of federal aid awarded to the campus and our students. In all, the campus remained in remote operations for the entirety of the fiscal year and Federal funding from the FEMA, CARES, CRSAA, and ARPA stimulus bills, combined with GEER funding from the state, the campus and our students received approximately \$72 million in aid. Approximately \$31 million of the total is direct aid to students and nearly \$14 million of aid has been granted directly to students to date.

Both remote operations and Federal aid combined to offset increased expenses and lost revenue due to COVID. Remote operations reduced personnel costs (reduced hiring and furloughs of non-essential staff and those unable to perform duties remotely), utility, and other non-personal expenses. Federal aid to the institution offset losses in tuition and auxiliary revenues (parking and dining) as well as costs related to the establishment and operation of remote instruction for students and direct COVID remediation costs. Despite this unprecedented challenge, the campus closed the year with a surplus of \$27.5M (unaudited). UMB was required to plan for a balanced budget for the current fiscal year and submitted an FY22 budget, that while structurally imbalanced, projected a small surplus due to the use of remaining Federal aid to the campus. Since that submission, the campus' enrollment target has not been met, resulting in a loss of revenue versus budget and the projection of a small deficit. Leadership is working closely with the finance team and all campus stakeholders to bring the budget back to balance and to end the year on target.

Despite the COVID-driven lack of student activity on campus during FY21 construction activity has been robust including the completion of enabling projects in support of the \$181.7M Substructure Demolition and Quadrangle Development ("SDQD") project. Demolition of the Science Center, pool building and much of the substructure has been completed and work has begun to build a new quadrangle and surface parking lot. This project is funded with the Commonwealth paying \$78M and the Campus funding the remaining over a four-year period.

The university, in partnership with the UMass Building Authority ("UMBA") and the UMass President's Office, continued work with Accordia Partners, as Accordia worked to advance the permitting for the project under the City of Boston's Article 80 process.

The campus, in partnership with UMBA and the President's Office, also began to explore alternative financing solutions for its Calf Pasture Pump Station, with UMBA issuing a Request for Information (RFI) in 2020, for developers to respond potential plans for developing the 10 acre site.

AT-A-GLANCE

ACADEMIC QUALITY

• Average HS GPA of Freshmen	3.34	• Percent Tenured/Tenure-Track Faculty FTE	58%
• Average SAT Scores of Freshmen		• Faculty FTE	820
<i>Arithmetic Mean</i>	1117	• Full-Time Instructional Faculty	
<i>25th – 75th Percentile</i>	1210-1030	• <i>Percent Faculty-of-Color</i>	31%
• Average GPA of Entering Transfer Students	3.07	• <i>Percent Women Faculty</i>	51%
• Student-Faculty Ratio	17:1	• Faculty Awards	4
• Technology-Enhanced Classrooms	290		

ACCESS AND AFFORDABILITY

• Percent Undergraduates from Students from MA	87%	• Percent In-State Pell Grant Recipients	48%
• Percent Undergraduates who are Students of Color	62%	• Percent of Need Met for In-State Students Awarded Need-Based Aid	81%
• Percent Undergraduates who are International	10%	• Average Debt of Students (UG Graduating Class)	\$25,054
• Percent First-Time Undergraduates who are First Generation in College	57%	• Percent Graduating Class with Debt (UG)	53%
• Percent First-Time Undergraduates with English as a Second Language	51%	• Total Students who Participated in a Study Abroad Program	81
• Percent Undergraduates Who Are Of Transfer Origin	40%	• Online Course Registrations	18,364
• Dual Enrolled Students (Headcount)	14	• Percentage of degree-seeking students taking at least one online course who were full time and fully online.	3%

STUDENT SUCCESS AND SATISFACTION

• Freshmen One-Year Retention Rate	76%	• Transfer (Upper Division) Four-Year Graduation Rate	76%
• Freshmen Four-Year Graduation Rate	28%	• Alumni Participation Rate	4%
• Freshmen Six-Year Graduation Rate	49%	• Student Satisfaction With Educational Experience	75%
• Transfer (Full-time) One-Year Retention Rate	82%		

AT-A-GLANCE

SERVICE TO THE COMMONWEALTH

• Degree Completions	3,430	• Percent Alumni who Remain in MA	70%
<i>Bachelor's</i>	2489	• Degrees Awarded in STEM Fields	682
<i>Master's</i>	853	<i>Undergraduate</i>	554
<i>Doctorates</i>	88	<i>Graduate</i>	128
• Total R&D Expenditures	\$64M	• Certificates Awarded in STEM Fields	1
• Total R&D Expenditures Ranking	187	• Degrees Awarded in Healthcare Fields	520
Total R&D Expenditures Ranking among			
• Carnegie Peers, US Publics, Non-Medical	29	<i>Undergraduate</i>	419
• Total R&D Expenditures per Tenure System Faculty	\$135,198	<i>Graduate</i>	101
• Patent Applications	8	• Certificates Awarded in Healthcare Fields	50
• License Income	\$1,841		

FINANCIAL HEALTH

• Total Endowment	\$92.3M	• Spendable Cash & Investments to Operating Expenses	0.27
• Annual Growth in Endowment	4.0%	• Debt Service Burden	7.5%
• Endowment per Annualized Student FTE	\$7,657	• Operating Margin (%)	1.1%
• Private Funds Raised Annually	\$24.2M		

ACADEMIC QUALITY

AVERAGE HIGH-SCHOOL GPA OF FIRST-TIME FRESHMEN

3.34

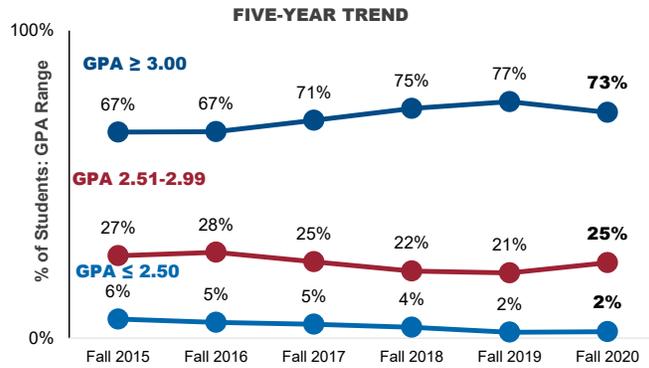
Average HS GPA in Fall 2020

▼ **0.04**

One-year nominal change (vs. Fall 2019)

▲ **0.11**

Five-year nominal change (vs. Fall 2015)



SAT SCORES OF FRESHMEN

1210

SAT Scores of Freshmen 75th Percentile in Fall 2020

▲ **10**

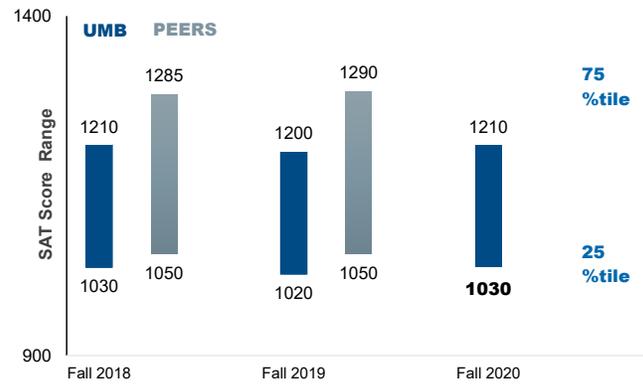
One-year nominal change (vs. Fall 2019)

1030

SAT Scores of Freshmen 25th Percentile in Fall 2020

▲ **10**

One-year nominal change (vs. Fall 2019)

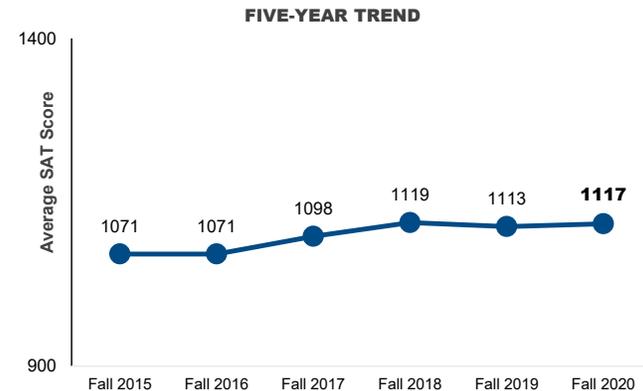


1117

Average SAT Scores of Freshmen in Fall 2020

▲ **4**

One-year nominal change (vs. Fall 2019)



ACADEMIC QUALITY

AVERAGE GPA OF ENTERING TRANSFER STUDENTS

3.07

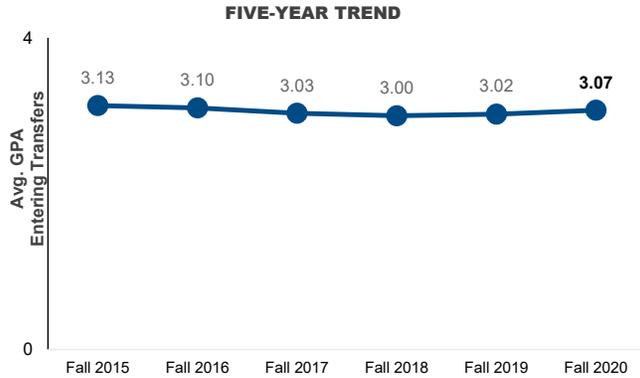
Average transfer GPA in Fall 2020

▲ 0.05

One-year nominal change (vs. Fall 2019)

▼ 0.06

Five-year nominal change (vs. Fall 2015)



STUDENT-FACULTY RATIO

17:1

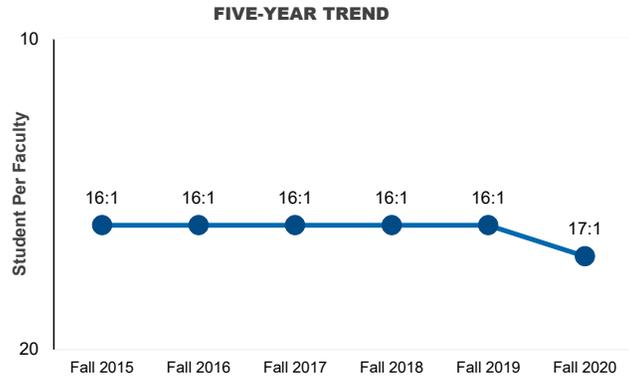
Student-Faculty Ratio in Fall 2020

▼ 1

One-year nominal change (vs. Fall 2019)

▼ 1

Five-year nominal change (vs. Fall 2015)



TECHNOLOGY-ENHANCED CLASSROOMS

290

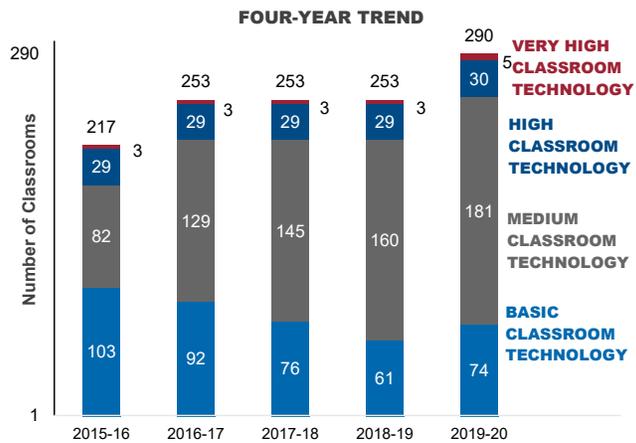
Total Technology Enhanced Classrooms in 2019-20

▲ 15%

One-year % change (vs. 2018-19)

▲ 34%

Four-year % change (vs. 2015-16)



ACADEMIC QUALITY

PERCENT TENURED/TENURE-TRACK FACULTY FTE

58%

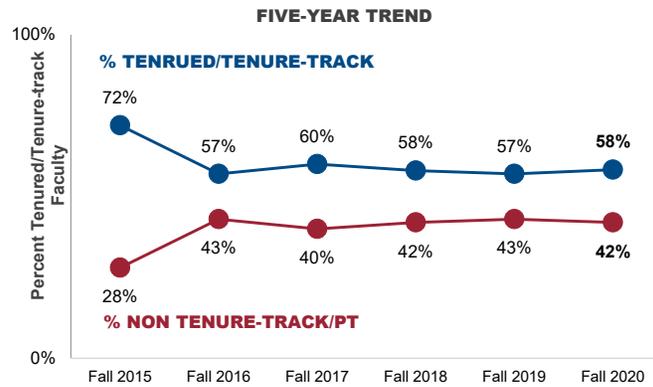
Percent Tenured/
Tenure-track Faculty
in Fall 2020

▲ 1

One-year
% point change
(vs. Fall 2019)

▼ 14

Five-year
% point change
(vs. Fall 2015)



FACULTY FTE

820

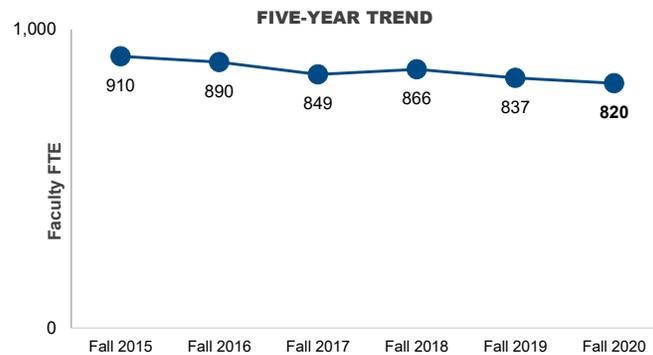
Faculty FTE
in Fall 2020

▼ 2%

One-year
% change
(vs. Fall 2019)

▼ 10%

Five-year
% change
(vs. Fall 2015)



FACULTY-OF-COLOR

210

Faculty Of Color
in Fall 2020

▲ 16

One-year
nominal change
(vs. Fall 2019)

▲ 59

Five-year
nominal change
(vs. Fall 2015)

31%

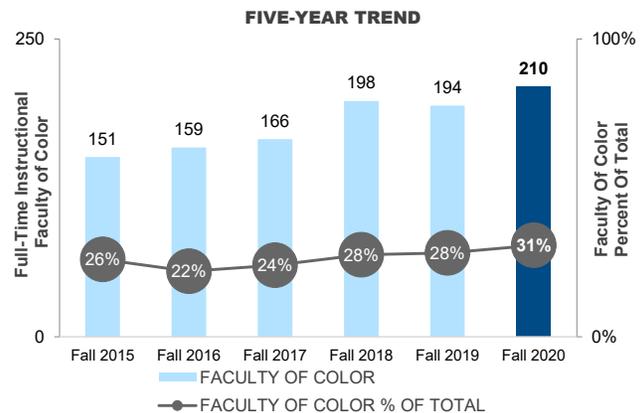
Percent of
Faculty Of Color
in Fall 2020

▲ 3

One-year
% point
(vs. Fall 2019)

▲ 5

Five-year
% point
(vs. Fall 2015)



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

ACADEMIC QUALITY

WOMEN FACULTY

348

Women Faculty in Fall 2020

▲ **5**

One-year nominal change (vs. Fall 2019)

▼ **11**

Five-year nominal change (vs. Fall 2015)

51%

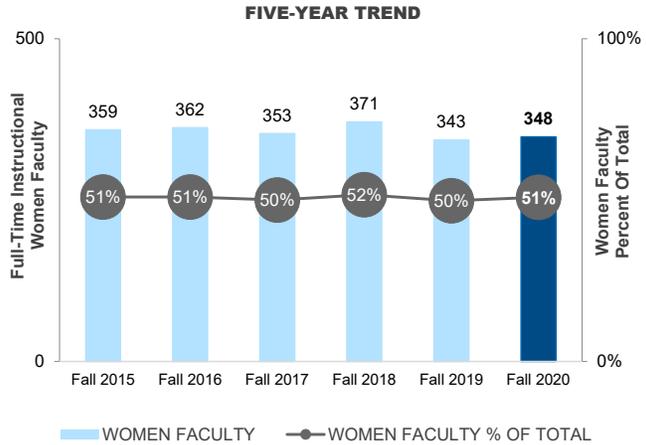
Percent of Women Faculty in Fall 2020

▲ **1**

One-year nominal change (vs. Fall 2019)

▼ **0**

Five-year nominal change (vs. Fall 2015)



FACULTY AWARDS

4

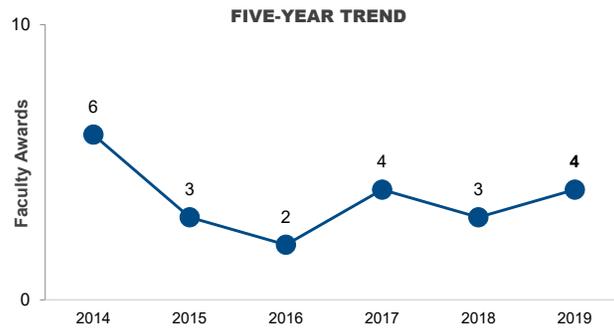
Faculty Awards in 2019

▲ **1**

One-year nominal change (vs. 2018)

▼ **2**

Five-year nominal change (vs. 2014)



Source : The Top American Research Universities

ACCESS AND AFFORDABILITY

UNDERGRADUATES FROM MASSACHUSETTS

11,147

Undergraduates from Massachusetts in Fall 2020

▲ **3%**

One-year % change (vs. Fall 2019)

▲ **3%**

Five-year % change (vs. Fall 2015)

87%

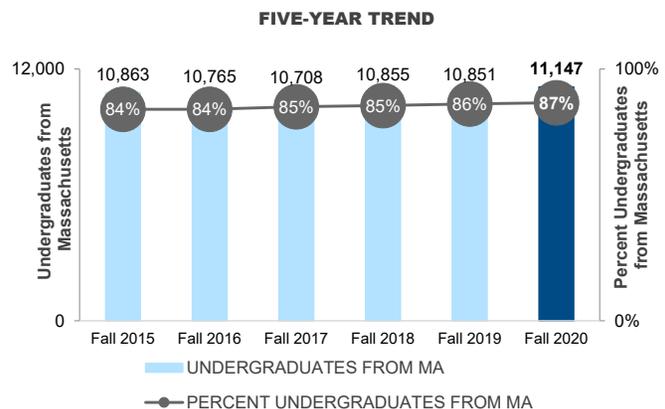
% Undergraduates from Massachusetts in Fall 2020

● **0**

One-year % point change (vs. Fall 2019)

▼ **1**

Five-year % point change (vs. Fall 2015)



ACCESS AND AFFORDABILITY

UNDERGRADUATE STUDENTS OF COLOR

6,739
Undergraduates Students of Color in Fall 2020

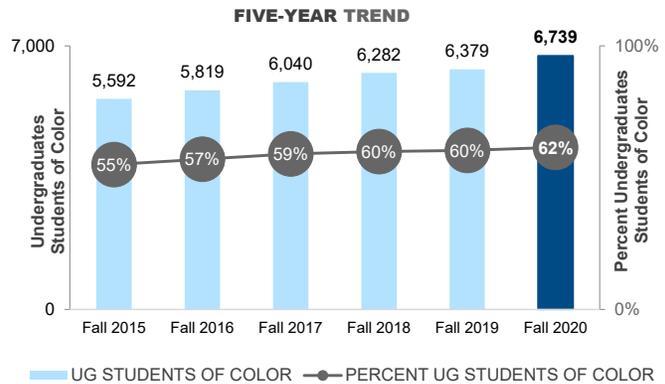
6%
One-year % change (vs. Fall 2019)

21%
Five-year % change (vs. Fall 2015)

62%
% Undergraduates Students of Color in Fall 2020

1
One-year % point change (vs. Fall 2019)

6
Five-year % point change (vs. Fall 2015)



UNDERGRADUATES WHO ARE INTERNATIONAL

1,301
International UG Enrollment in Fall 2020

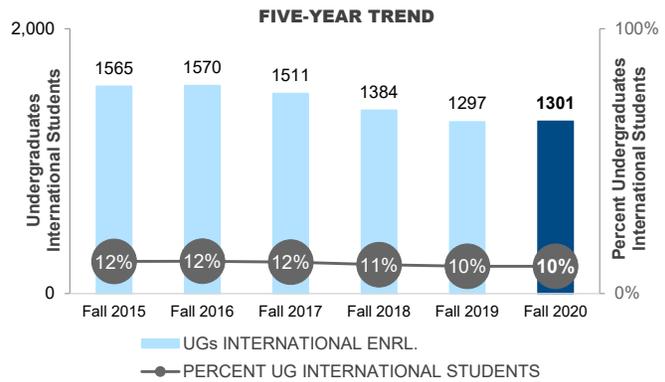
0%
One-year % change (vs. Fall 2019)

17%
Five-year % change (vs. Fall 2015)

10%
% International UG Enrollment in Fall 2020

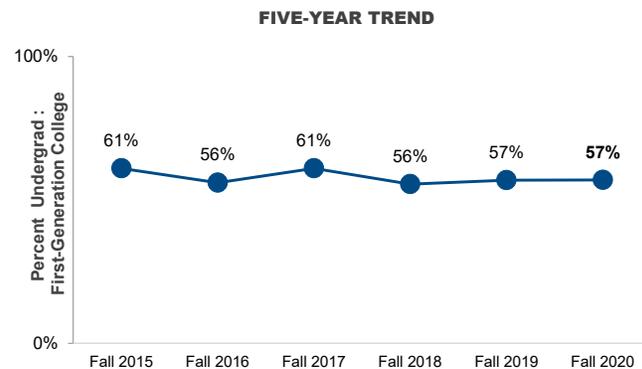
0
One-year % point change (vs. Fall 2019)

2
Five-year % point change (vs. Fall 2015)



PERCENT FIRST-TIME UNDERGRADUATES WHO ARE FIRST-GENERATION IN COLLEGE

57%
Percent first-time Undergraduates who are First-Generation College in Fall 2020



*The data source from Fall 2018 updated to Common Application responses.

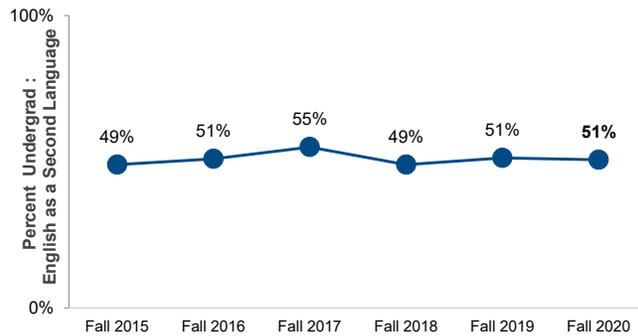
ACCESS AND AFFORDABILITY

PERCENT FIRST-TIME, FULL-TIME UNDERGRADUATES WITH ENGLISH AS A SECOND LANGUAGE

51%

Percent Undergraduates
Speak English as a
Second Language
in Fall 2020

FIVE-YEAR TREND



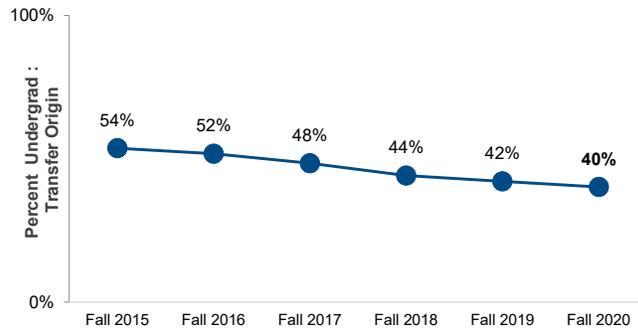
*The data source from Fall 2018 updated to Common Application responses.

PERCENT UNDERGRADUATES WHO ARE OF TRANSFER ORIGIN

40%

Percent Undergraduates
who are of Transfer-Origin
in Fall 2020

FIVE-YEAR TREND

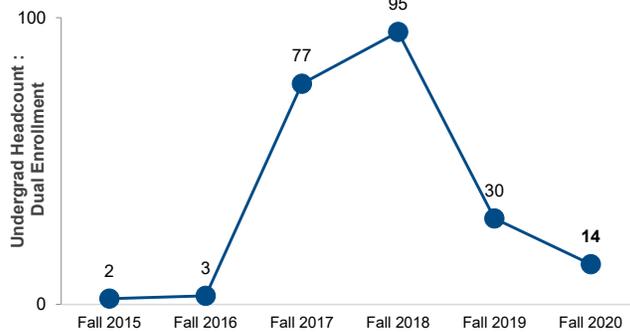


DUAL ENROLLMENT STUDENTS (HEADCOUNT)

14

Dual Enrolled
Students
in Fall 2020

FIVE-YEAR TREND



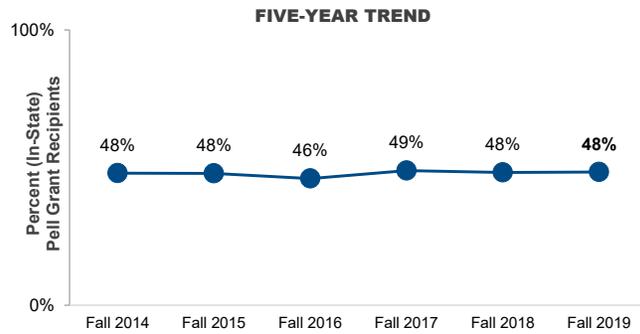
ACCESS AND AFFORDABILITY

PERCENT IN-STATE PELL GRANT RECIPIENTS

48%
Percent (In-State) Pell Grant Recipients in Fall 2019

▲ 0
One-year % point change (vs. Fall 2018)

▲ 0
Five-year % point change (vs. Fall 2014)

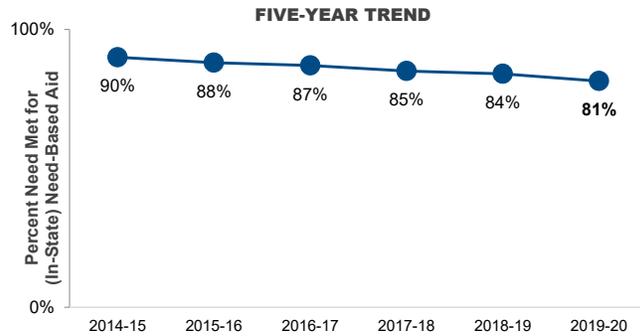


PERCENT NEED MET FOR IN-STATE STUDENTS AWARDED NEED-BASED AID

81%
Percent Need Met for (In-State) Need-Based Aid in 2019-20

▼ 3
One-year % point change (vs. 2018-19)

▼ 9
Five-year % point change (vs. 2014-15)



UNDERGRADUATE STUDENT DEBT LOAD OF GRADUATING CLASS

\$25.1k
Average Debt Load in 2020

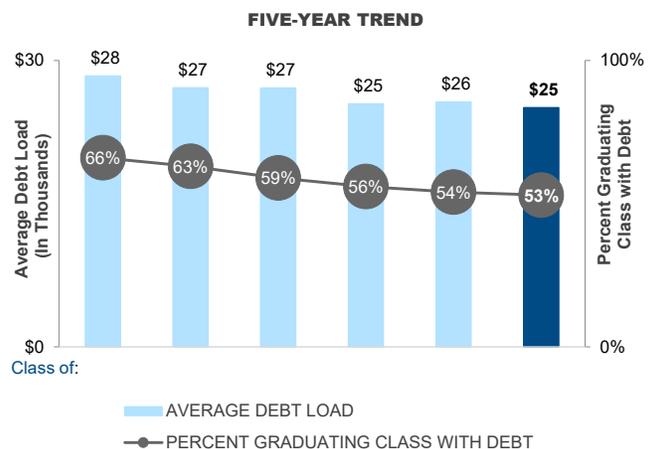
▼ 2%
One-year % change (vs. 2019)

▼ 12%
Five-year % change (vs. 2015)

53%
Percent Graduating Class with Debt in 2020

▼ 1
One-year % point change (vs. 2019)

▼ 13
Five-year % point change (vs. 2015)



ACCESS AND AFFORDABILITY

TOTAL STUDENTS WHO PARTICIPATED IN A STUDY ABROAD PROGRAM

81

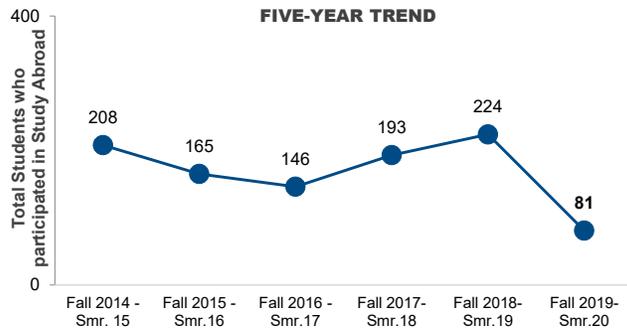
Students who participated in Study Abroad in Fall 2019-Smr.20

▼ **143**

One-year nominal change vs. Fall 2018-Smr.19

▼ **127**

Five-year nominal change vs Fall 2014 -Smr. 15



TOTAL ONLINE COURSE REGISTRATIONS

18,364

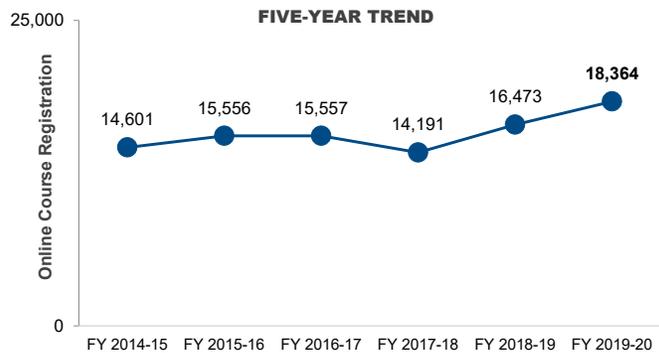
Online Course Registrations in FY 2019-20

▲ **11%**

One-year % change (vs. FY 2018-19)

▲ **26%**

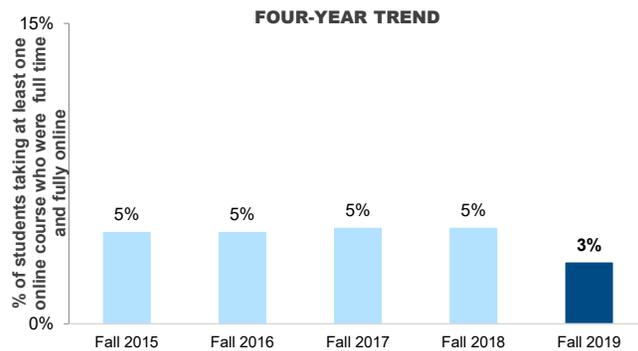
Five-year % change (vs. FY 2014-15)



PERCENTAGE OF DEGREE-SEEKING STUDENTS TAKING AT LEAST ONE ONLINE COURSE WHO WERE FULL TIME AND FULLY ONLINE

3%

Students taking at least one online course who were full time and fully online in Fall 2019



STUDENT SUCCESS AND SATISFACTION

FRESHMEN ONE-YEAR RETENTION RATE

76%

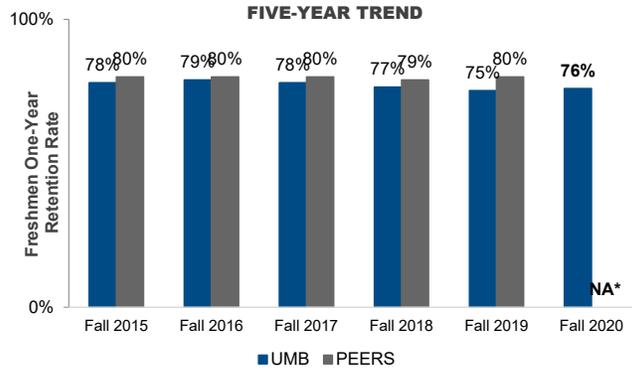
Freshmen One-Year Retention Rate in Fall 2020

▲ 1

One-year % point change (vs. Fall 2019)

▼ 2

Five-year point (vs. Fall 2015)



* Peer data for Fall 2020 not available for reporting purposes.

FRESHMEN FOUR-YEAR GRADUATION RATES

28%

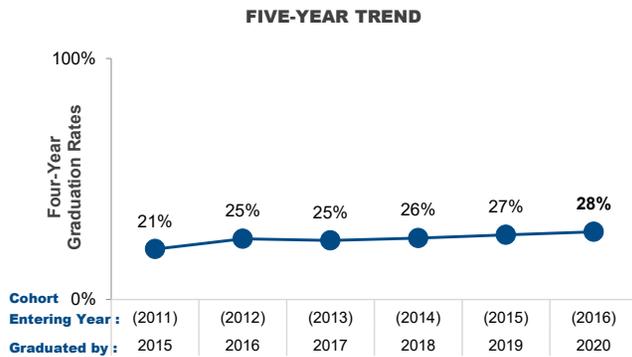
Freshmen Four-Year Graduation Rates in 2020

▲ 1

One-year % point change (vs. 2019)

▲ 7

Five-year % point change (vs. 2015)



FRESHMEN SIX-YEAR GRADUATION RATE

49%

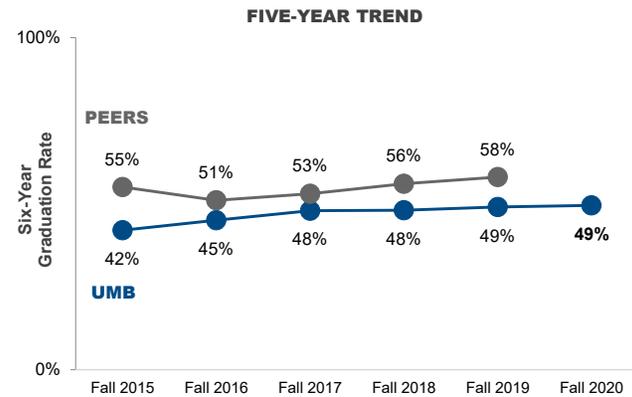
UMB Freshmen Six-Year Graduation Rates in Fall 2020

● 0

One-year % point change (vs. Fall 2019)

▲ 7

Five-year % point change (vs. Fall 2015)



STUDENT SUCCESS AND SATISFACTION

TRANSFER (FULL-TIME) ONE-YEAR RETENTION RATE

82%

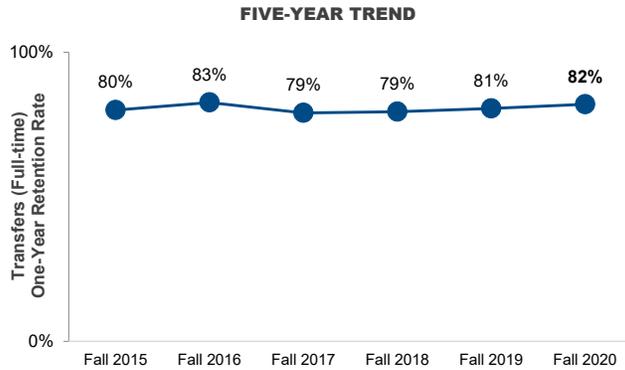
Transfers (Full-time)
One-Year
Retention Rate
in Fall 2020

▲ **1**

One-year
% point change
(vs. Fall 2019)

▲ **2**

Five-year
% point change
(vs. Fall 2015)



TRANSFER (UPPER DIVISION) FOUR-YEAR GRADUATION RATE

76%

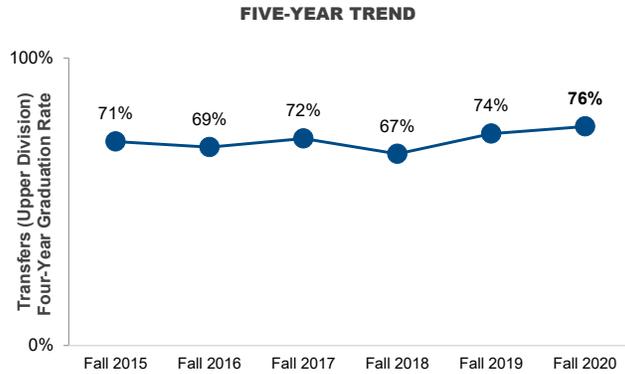
Transfers (Upper
Division) Four-Year
Graduation Rates
in Fall 2020

▲ **2**

One-year
% point change
(vs. Fall 2019)

▲ **5**

Five-year
% point change
(vs. Fall 2015)



STUDENT ACHIEVEMENT MEASURE

Cohort starting in : 2014-15

30%

Bachelor's Degree
Within 4 Yrs. from
any institution

51%

Bachelor's Degree
Within 5 Yrs. From
any institution

60%

Bachelor's Degree
Within 6 Yrs. From
any institution

25%

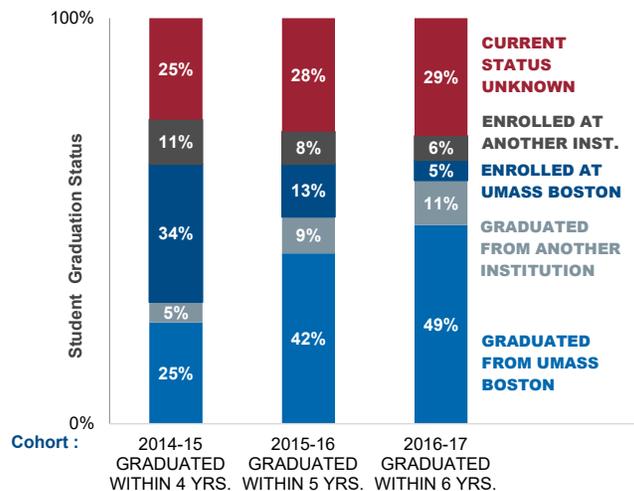
Bachelor's Degree
Within 4 Yrs. from
UMass Boston

42%

Bachelor's Degree
Within 5 Yrs. From
UMass Boston

49%

Bachelor's Degree
Within 6 Yrs. From
UMass Boston



Source : Student Achievement Measure (SAM)

STUDENT SUCCESS AND SATISFACTION

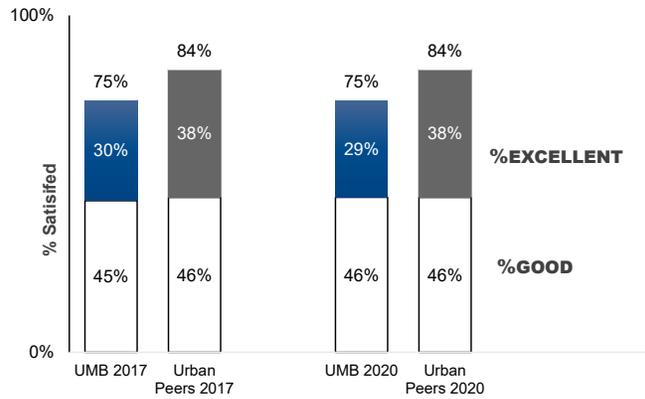
STUDENT SATISFACTION WITH EDUCATIONAL EXPERIENCE

75%

Student Satisfaction as Good or Excellent in UMB 2020

0

Three-year % point change (vs. UMB 2017)



ALUMNI PARTICIPATION RATE

4%

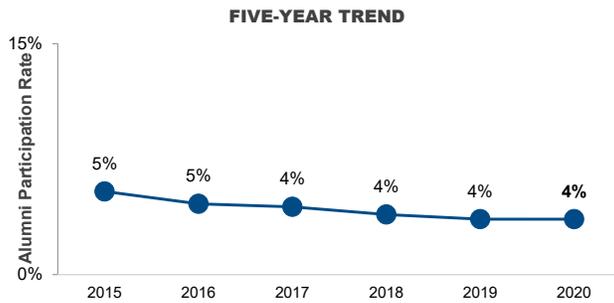
Alumni Participation Rate in 2020

0

One-year % point change (vs. 2019)

1

Five-year % point change (vs. 2015)



SERVICE TO THE COMMONWEALTH

DEGREE COMPLETIONS

3,430

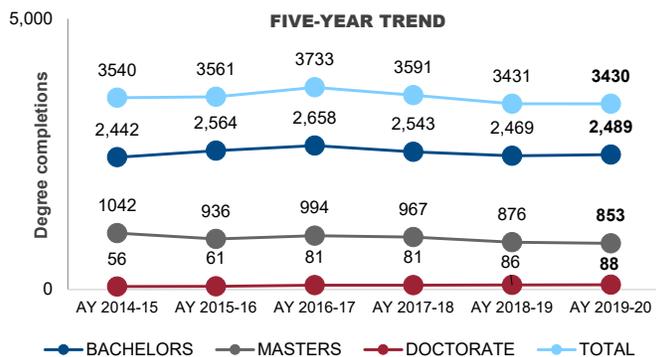
Total degree completions AY 2019-20

0%

One-year % change in total degree completions (vs. AY 2018-19)

3%

Five-year % change in total degree completions (vs. AY 2014-15)



SERVICE TO THE COMMONWEALTH

TOTAL R&D EXPENDITURES

\$64.2

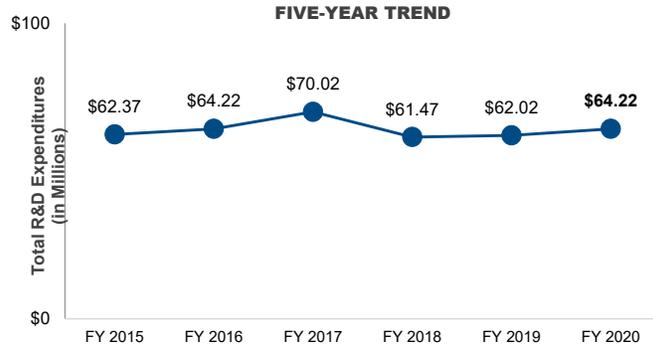
Million
in FY 2020

▲ 4%

One-year
% change
(vs. FY 2019)

▲ 3%

Five-year
% change
(vs. FY 2015)



TOTAL R&D EXPENDITURES RANKINGS

187

Total R&D Expenditures
Overall Rankings
in FY 2019

▼ 5

One-year
nominal change
(vs. FY 2018)

▼ 10

Five-year
nominal change
(vs. FY 2014)

29

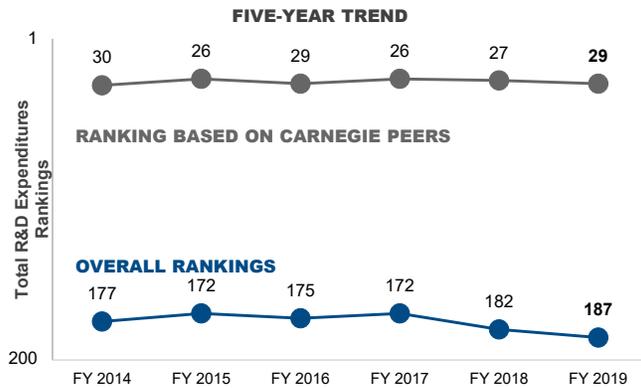
Rankings based on
Carnegie Peers
in FY 2019

▼ 2

One-year
nominal change
(vs. FY 2018)

▼ 1

Five-year
nominal change
(vs. FY 2014)



Overall Ranking Source: National Science Foundation Ranking by Total R&D Expenditures.

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

TOTAL R&D EXPENDITURES PER TENURED SYSTEM FACULTY

\$135k

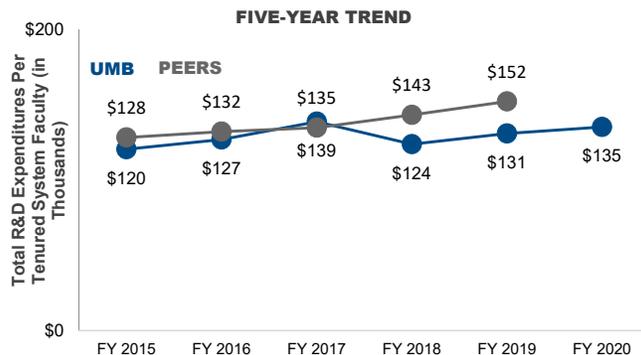
Total R&D Expenditure
Per Tenured
System Faculty
in FY 2020

▲ 3%

One-year
% change
(vs. FY 2019)

▲ 12%

Five-year
% change
(vs. FY 2015)



* Peer data for FY 2020 is currently not available.

SERVICE TO THE COMMONWEALTH

NUMBER OF PATENT APPLICATIONS

8

Patent Applications in FY 2020

▲ **3**

One-year nominal change (vs. FY 2019)

▲ **2**

Five-year nominal change (vs. FY 2015)



LICENSE INCOME

\$1.8k

License Income in FY 2020

▼ **23%**

One-year % change (vs. FY 2019)

▲ **69%**

Five-year % change (vs. FY 2015)



PERCENT ALUMNI WHO LIVE IN MASSACHUSETTS

70%

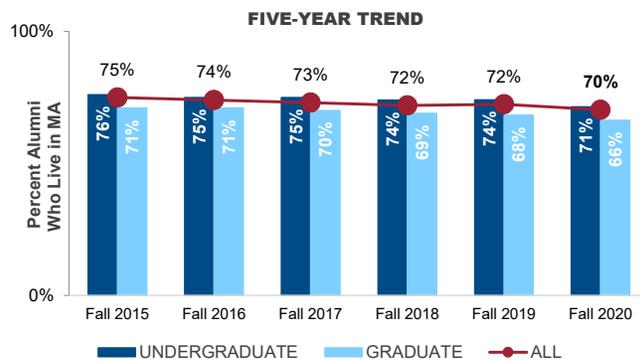
Of all UMass Alumni live in the Commonwealth in Fall 2020

▼ **2**

One-year % point change (vs. Fall 2019)

▼ **5**

Five-year % point change (vs. Fall 2015)



SERVICE TO THE COMMONWEALTH

DEGREES AWARDED IN STEM FIELDS

554

UG degrees awarded in STEM fields in 2019-20

▲ 9%

One-year % change (vs. 2018-19)

▲ 53%

Five-year % change (vs. 2014-15)

21%

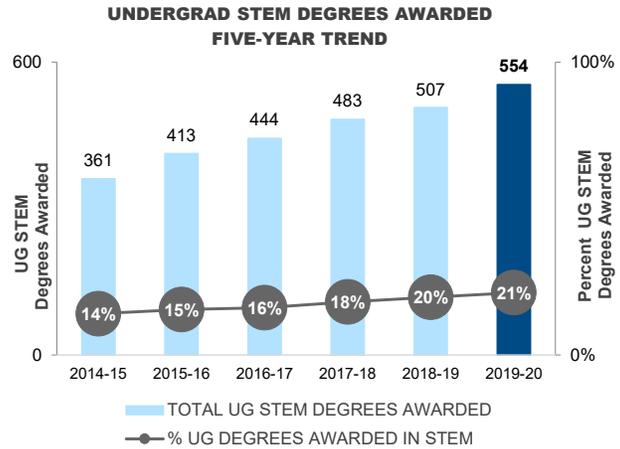
Percent of total UG degrees awarded in STEM fields in 2019-20

▲ 2

One-year % point change (vs. 2018-19)

▲ 7

Five-year % point change (vs. 2014-15)



128

Grad degrees awarded in STEM fields in 2019-20

▲ 15%

One-year % change (vs. 2018-19)

▲ 25%

Five-year % change (vs. 2014-15)

13%

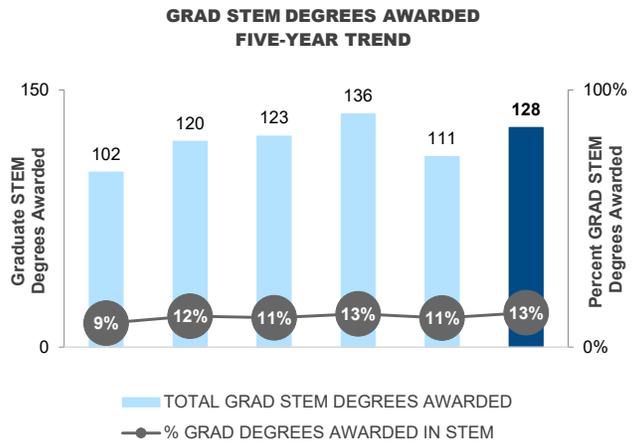
Percent of total Grad degrees awarded in STEM fields in 2019-20

▲ 2.1

One-year % point change (vs. 2018-19)

▲ 4

Five-year % point change (vs. 2014-15)



682

Total degrees awarded in STEM fields in 2019-20

▲ 10%

One-year % change (vs. 2018-19)

▲ 47%

Five-year % change (vs. 2014-15)

19%

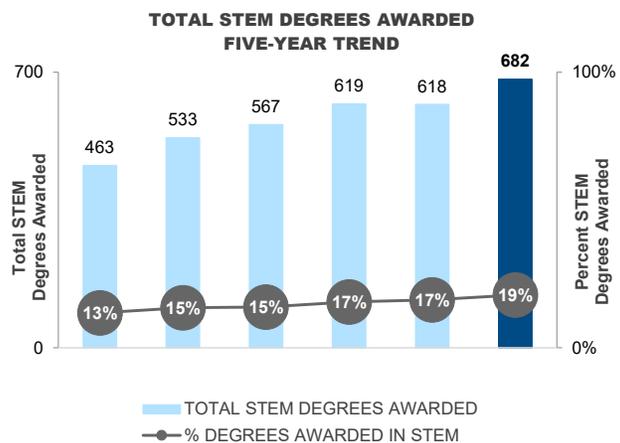
Percent of Total degrees awarded in STEM fields in 2019-20

▲ 1.8

One-year % point change (vs. 2018-19)

▲ 6

Five-year % point change (vs. 2014-15)



SERVICE TO THE COMMONWEALTH

CERTIFICATES AWARDED IN STEM FIELDS

1
Total Certificates awarded in STEM fields in 2019-20

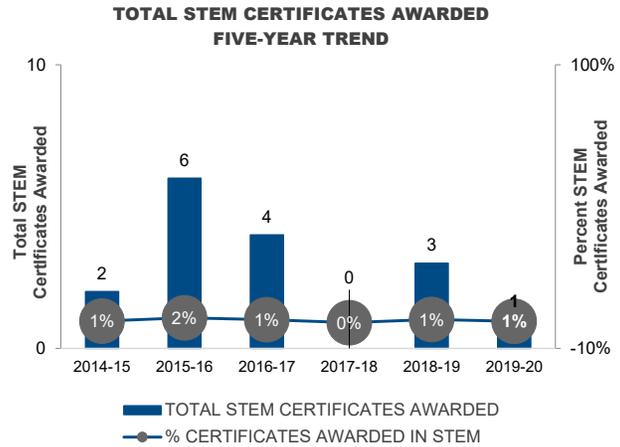
▼ 2
One-year nominal change (vs. 2018-19)

▼ 1
Five-year nominal change (vs. 2014-15)

1%
Percent of Total Certificates awarded in STEM fields in 2019-20

▼ 1
One-year % point change (vs. 2018-19)

• 0
Five-year % point change (vs. 2014-15)

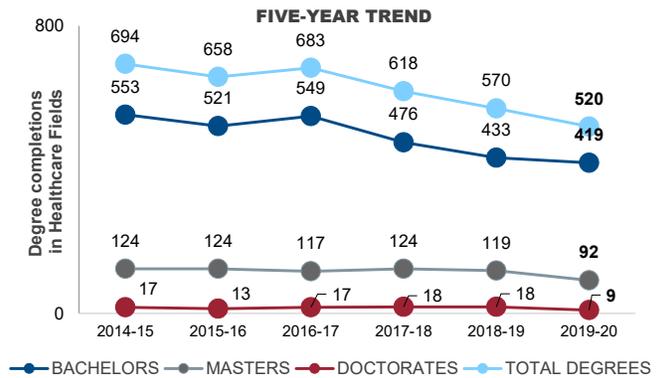


DEGREES AWARDED IN HEALTHCARE FIELDS

520
Total degrees awarded in HealthCare fields in 2019-20

▼ 9%
One-year % point change (vs. 2018-19)

▼ 25%
Five-year % point change (vs. 2014-15)

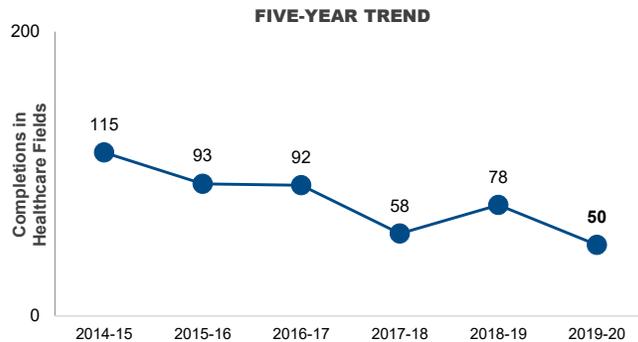


CERTIFICATES AWARDED IN HEALTHCARE FIELDS

50
Total Certificates awarded in HealthCare fields in 2019-20

▼ 36%
One-year % point change (vs. 2018-19)

▼ 57%
Five-year % point change (vs. 2014-15)



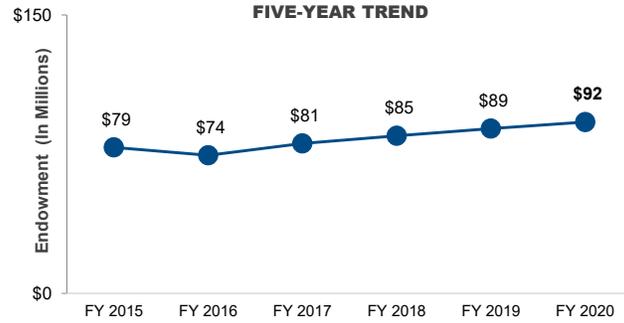
FINANCIAL HEALTH

ENDOWMENT ASSETS AND ANNUAL GROWTH IN ENDOWMENT

\$92.3M
Endowment Assets
in FY 2020

▲ 4%
One-year
% change
(vs. FY 2019)

▲ 17%
Five-year
% change
(vs. FY 2015)

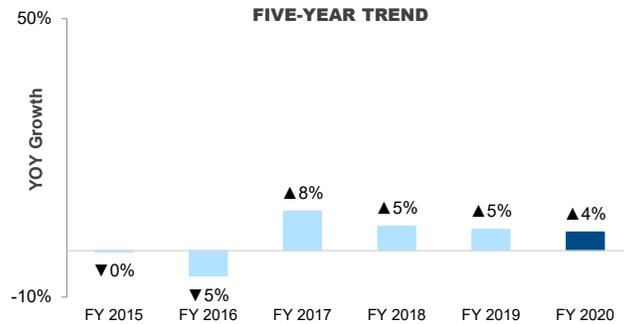


ENDOWMENT ASSETS AND ANNUAL GROWTH IN ENDOWMENT

4%
Annual Growth
in FY 2020

▼ 1
One-year
% point change
(vs. FY 2019)

▲ 4
Five-year
% point change
(vs. FY 2015)

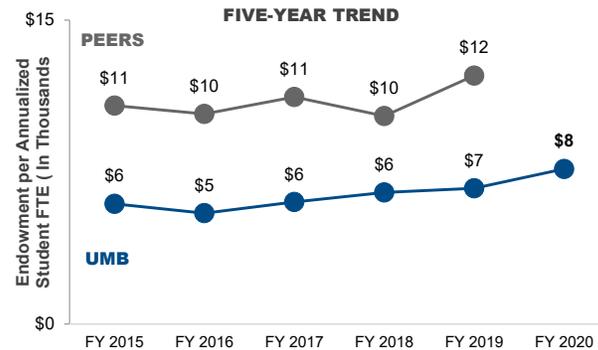


ENDOWMENT PER ANNUALIZED STUDENT FTE

\$7.7k
Endowment per Annualized
Student FTE
in FY 2020

▲ 14%
One-year
% change
(vs. FY 2019)

▲ 29%
Five-year
% change
(vs. FY 2015)



* Peer data for FY 2020 not available for reporting purposes.

FINANCIAL HEALTH

PRIVATE FUNDS RAISED ANNUALLY

\$24.2M

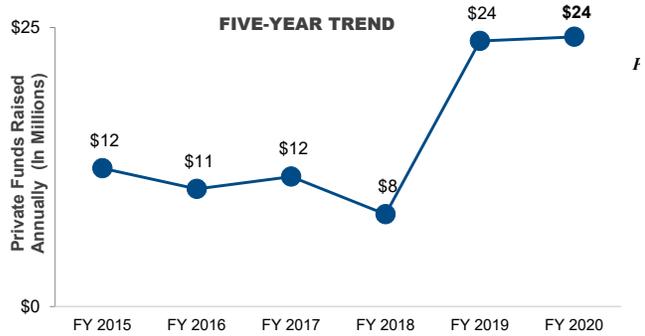
Private Funds Raised Annually in FY 2020

▲ 2%

One-year % change (vs. FY 2019)

▲ 95%

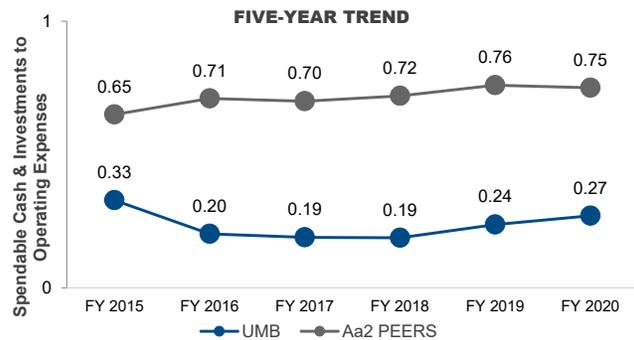
Five-year % change (vs. FY 2015)



SPENDABLE CASH & INVESTMENTS TO OPERATING EXPENSES

0.27

Spendable Cash & Investments to Operating Expenses in FY 2020



DEBT SERVICE BURDEN

7.5%

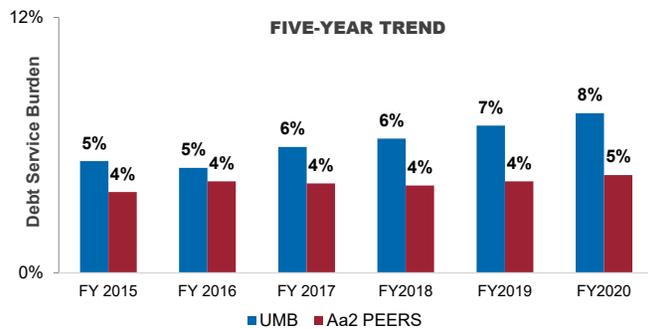
Debt Service Burden in FY2020

▲ 0.6

One-year % Point change (vs. FY2019)

▲ 2.3

Five-year % Point change (vs. FY 2015)



FINANCIAL HEALTH

OPERATING MARGIN (%)

1.1%

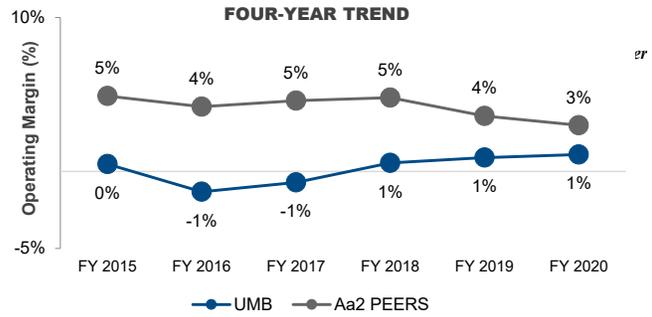
Operating Margin (%)
in FY 2020

• 0.0

One-year
% Point change
(vs. FY 2019)

▲ 0.6

Four-year
% Point change
(vs. FY 2016)



DEFINITIONS AND SOURCES

ACADEMIC QUALITY INDICATORS

Average High School GPA of First-Time

Freshmen. Cumulative GPA for college prep courses with additional weight to honors and AP courses, according to DHE admissions policy, reported on all first-time students.

SAT Scores of Freshmen. SAT scores of Freshmen. All reported SAT scores are based on the sum of the SAT MSS and the ERWS for entering freshmen. A redesigned SAT was used for Fall 2017 admissions; therefore, scores for Fall 2016 and before cannot be compared to scores for Fall 2017 and later. The average is the arithmetic mean of these SAT scores. Peer data are from IPEDS.

Average GPA of Entering Transfer

Students. Average Cumulative GPA of entering transfer students according to DHE 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.

Technology-Enhanced Classrooms.

Classification of the campus's total classroom capacity in terms of the level of technology-support.

Percent Tenured/Tenure-Track Faculty

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

Faculty FTE. Definition of Faculty FTE is per the Common Data Set, and includes all faculty teaching credit courses, including credit courses offered via Continuing Education.

Faculty-of-Color. 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.

Women 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.

ACCESS AND AFFORDABILITY INDICATORS

Percentage Undergraduates from

Massachusetts. Percentage of total undergraduate students who are "In State" or residents of Massachusetts based on tuition residency. For state-supported (day) students, tuition classification is used, whereas for CPE students, the actual residency at time of matriculation is used.

Percent Undergraduates who are Students

of Color. Undergraduates who self-identify as either African American/Black, Hispanic/ Latino, Asian, Hawaiian/Pacific Islander, American Indian/Alaskan Native, and/or Two or more races. Hispanic students who list one or more additional

groups will be coded as Hispanic. Cape Verdean students who identify solely as Cape Verdean will be coded as Not Reported. Included only for U.S. Citizens and Permanent Residents who report race and ethnicity divided by total undergraduate U.S. citizens and permanent residents who report race/ethnicity.

Percent Undergraduates who are

International. Percentage of all undergraduates who are non-resident aliens, studying at the university on an eligible visa types, and enrolled in credit courses. Does not include permanent residents, refugees, or US citizens.

DEFINITIONS AND SOURCES

ACCESS AND AFFORDABILITY INDICATORS

Percent Undergraduates who are First Generation in College. Percent of first-time, full-time undergraduates where neither parent has earned a bachelor's degree. The source of this data field is the Common Application.

Percent first-time, full-time Undergraduates with English as a Second Language. Percent of first-time, full-time undergraduates who speak another language at home. The source of this data field will be from the Common Application.

Percent Undergraduates Who Are of Transfer Origin. Percent of all currently enrolled bachelor's degree-seeking undergraduate students who were admitted as transfer students at the institution.

Dual Enrollment Students (Headcount). Headcount of current non-Degree dual-enrolled students on campus.

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 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 Student Debt Load of Graduating Class (UG). Average debt load is based on the total debt borrowed by an Institution's graduating class (bachelor's, first-time only) divided by the number of students of that cohort that carried any

amount of debt. It does not include those students with no debt load. It does not include students who have transferred in. The graduating class includes those that graduated between July 1 and June 30 of the reporting year. Data is from CDS.

Percent Graduating Class with Debt (UG). The total number of students in the graduating class (bachelor's, first-time only) that carried a debt load at the institution divided by the total number of graduating (bachelor's, first-time only) students in that institution. It does not include students who have transferred in. The graduating class includes those that graduated between July 1 and June 30 of the reporting year. Data is from CDS.

Number of Students who Participated in a Study Abroad Program. Number of students who participated in a credit-bearing study abroad program outside of the U.S. over the most recent academic year, either at UMass or elsewhere.

Online Course Registrations. 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 courses only offered via UMassOnline.

Percentage of degree-seeking students taking at least one online course who were full time and fully online. Metric calculated using the formula below. Data from fall student headcount of degree-seeking students, split by full-time and part-time status, who fall into the following categories: Enrolled exclusively in online courses; Enrolled in at least one, but not all, online courses; and Not enrolled in any online courses. (As per IPEDS definition).
(Full time Enrolled exclusively in online courses) / (Full time Enrolled in at least one, but not all, online courses + Full time Enrolled exclusively in online courses + part-time Enrolled in at least one, but not all, online courses + part-time Enrolled exclusively in online courses).

STUDENT SUCCESS AND SATISFACTION INDICATORS

Freshmen One-Year Retention Rate. Percent of first-time, full-time, degree-seeking freshmen who entered UMass in a given Fall and were still enrolled at the institution in the following Fall. Peer data as reported to IPEDS.

DEFINITIONS AND SOURCES

STUDENT SUCCESS AND SATISFACTION INDICATORS

Freshmen Four-Year Graduation Rate.

Percent of first-time, full-time, degree-seeking freshmen who entered UMass in a given Fall term and graduated from the institution by the end of their fourth year. Associates degree and CPE students are excluded.

Freshmen Six-Year Graduation Rate.

Percent of first-time, full-time freshmen who entered UMass in a given Fall term and had graduated from the institution within six years. Peer data are based on median as reported to IPEDS. Associates degree and CPE students are excluded.

Transfer (Full-Time) One-Year Retention

Rate. Percent of full-time transfer students at any level who entered UMass in a given Fall and were still enrolled at, or graduated from the institution as of the following Fall.

Transfer (Upper-Division) Four-Year

Graduation Rate. Percent of full-time upper division transfers (60+ credits) who entered UMass in a given Fall term and had graduated from the institution within four years.

Student Achievement Measure. SAM tracks student movement across postsecondary institutions to provide a more complete picture of undergraduate student progress and completion within the higher education system. SAM is an alternative to the federal graduation rate, which is limited to tracking the completion of first-time, full-time students at one institution.

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 most recently conducted National Survey of Student Engagement (NSSE).

Alumni Participation Rate. The 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. Graduates who earned only a graduate degree are excluded.

SERVICE TO THE COMMONWEALTH INDICATORS

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

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.

Total R&D Expenditures Ranking. Annual NSF ranking of Total R&D expenditures, for all postsecondary institutions participating in the NSF HERD Survey. 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 “Highest Research” and

with no medical school. Data source NCES WebCaspar/NSF HERD data tables.

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 by NSF and IPEDS.

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

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

DEFINITIONS AND SOURCES

SERVICE TO THE COMMONWEALTH INDICATORS

Percent Alumni who Live in

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

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. Number of undergraduate and graduate degrees awarded in Health Care 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.

FINANCIAL HEALTH INDICATORS

Endowment Assets and Annual Growth in

Endowment. The total value of the endowment (includes true and quasi-endowments) at the end of the fiscal year as reported in the UMass Annual BOT report, and the percent change from previous year. Comparative data are from IPEDS, financial statements, and the NACUBO survey.

Endowment per Annualized Student FTE.

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

Spendable Cash & Investments to

Operating Expenses. Measures the extent to which the University can rely on wealth that can be accessed over time or for a specific purpose to operate.

Debt Service to Operations. Debt service as a percentage of total operating expenditures (operating expenditures plus interest expense). Peer data are from published financial statements.

Operating Margin (%). Indicates the excess margin (or deficit) by which annual revenues cover annual expenses (excluding unrealized gains or losses)

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, Assessment, and Planning



DARTMOUTH

HEADLINES

ACADEMIC QUALITY

UMass Dartmouth continues to maintain the quality of its academic programs. Notably, US News cited UMass Dartmouth in their top tier of National Universities, the fifth year being ranked in this category.

UMass Dartmouth maintains a strong student quality profile while also expanding access. The average high school GPA of the entering class has increased steadily over the past seven years, increasing each of the past seven years. The Law School saw a 27% first year enrollment increase. The Law School's total enrollment growth from 2017-2020 (77.2%; 202 to 358) ranked 2nd out of nearly 200 law schools nationally.

Faculty numbers are stable. Recent trends include the hiring of clinical and research faculty who are not on the tenure track. Both the number of women and faculty of color have increased by one percentage point over the previous year.

UMass Dartmouth continued to strengthen its research and engagement by hiring faculty in critical areas of growth. The University has worked to expand the portfolio of funded research activity, with particular emphasis on multi-disciplinary research. New initiatives focused on community partnerships. The study of asymmetric warfare and marine science and technology have started to generate new proposal activities. UMass

Dartmouth has also increased its research activities around engineering, marine technology, and renewable energy.

FY2021 is the sixth year that UMass Dartmouth has been classified as Doctoral Research University-Higher Research by Carnegie. The overall research and development expenditures are level compared to last year, the patent office continues to increase its activities, and faculty engagement is growing.

UMass Dartmouth was #3 for social mobility among universities in New England with nationally-ranked colleges, and second overall among all colleges and universities in MA (2021 US News and World Report).

UMass Dartmouth ranks 40th nationally in the Top Institutions by Percentage of Engineering Doctoral Degrees awarded to Underrepresented Minorities and 6th in the Highest Percentage of Engineering Doctoral Degrees to Women.

The University continues to globalize its curriculum and student body through growth in online program offerings. Online course registration had an annual increase of 11%, almost reaching 9,900. This is an 84% increase since AY15.

ACCESS AND AFFORDABILITY

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

UMass Dartmouth was ranked third for social mobility among nationally ranked colleges and universities in New England, and second overall among all colleges and universities in MA (2021 US News and World Report).

UMass Dartmouth's strong commitment to access, opportunity and the region is reflected in several key indicators - Pell grant recipients as a share of the undergraduate students (41%), percent of need met (80%), percent undergraduate students of color (37%), percent from Massachusetts (89%), and percent of undergraduates where English is their second language (9%).

HEADLINES

STUDENT SUCCESS AND SATISFACTION

The one-year retention rate has increased from 70% to 71% in 2020, and the four-year graduation rate remained stable at 39%. Transfer student retention stood at 81% in 2020 and the 4-year upper-division transfer graduation rate of 77% remained high. Even though students may not have graduated from UMass Dartmouth, UMass Dartmouth contributed to their success at another institution. The Student Achievement Measurement (SAM) reveals an

additional 6% of our fall 2014 freshmen cohort graduated from another institution.

Less than five years since receiving full accreditation, the law school's ABA Standard 316 ultimate (two-year) bar passage rate was 91.8% for 2018 graduates, up from 89.4% for 2017 graduates, ranking 5th among the 8 ABA-accredited Massachusetts law schools.

SERVICE TO THE COMMONWEALTH

In AY2020, UMass Dartmouth graduated approximately 1,900 students, awarding 2006 degrees and certificates. Because 69% of our graduates remain in Massachusetts, the degrees granted make a direct and significant contribution to the Commonwealth's economy. The indicators for enrollments and degrees granted in Science, Technology, Engineering and Mathematics, and Health Care highlight our significant contributions to building the STEM workforce pipeline.

Professional practice doctoral enrollments have grown steadily, enhanced by the addition of the Juris Doctorate and Doctorate of Nursing Practice.

Additional Research/Scholarship doctoral programs are also being developed.

The 2019 Nursing graduates achieved a significantly higher first-time pass-rate (95%) than the national average (87%) and the state of Massachusetts' average (91%) on their first-attempt at the national RN licensure exam (NCLEX).

Since 2014, the Law School ranks 2nd among all 15 ABA-accredited law schools in New England for the percentage of graduates going into public service employment (25%).

FINANCIAL HEALTH

A set of fiscal controls and processes are in place to ensure the achievement of full fiscal stability. 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. The primary reserve has contributed to more financial strength and flexibility.

The University, in partnership with non-profit Provident, opened a \$140 million, 267,500 sq. ft., 1210-bedroom resident hall and a state-of-the-art 38,000 sq. ft., 800-seat dining facility in 2020, which enhances the university's ability to attract new students.

AT-A-GLANCE

ACADEMIC QUALITY

• Average HS GPA of Freshmen	3.31	• Percent Tenured/Tenure-Track Faculty FTE	65%
• Average SAT Scores of Freshmen		• Faculty FTE	446
<i>Arithmetic Mean</i>	1091	• Full-Time Instructional Faculty	
<i>25th – 75th Percentile</i>	1000-1190	<i>Percent Faculty-of-Color</i>	22%
• Average GPA of Entering Transfer Students	3.19	<i>Percent Women Faculty</i>	47%
• Student-Faculty Ratio	15:1	• Faculty Awards	0
• Technology-Enhanced Classrooms	142		

ACCESS AND AFFORDABILITY

• Percent Undergraduates from Students from MA	89%	• Percent In-State Pell Grant Recipients	41%
• Percent Undergraduates who are Students of Color	37%	• Percent of Need Met for In-State Students Awarded Need-Based Aid	80%
• Percent Undergraduates who are International	2%	• Average Debt of Students (UG Graduating Class)	\$36,115
• Percent First-Time Undergraduates who are First Generation in College	50%	• Percent Graduating Class with Debt (UG)	85%
• Percent First-time Undergraduates with English as a Second Language	9%	• Total Students who Participated in a Study Abroad Program	30
• Percent Undergraduates Who Are Of Transfer Origin	24%	• Online Course Registrations	9,895
• Dual Enrollment Students (Headcount)	0	Percentage of degree-seeking students taking at least one online course who were full time and fully online.	14%

STUDENT SUCCESS AND SATISFACTION

• Freshmen One-Year Retention Rate	71%	• Transfer (Upper Division) Four-Year Graduation Rate	77%
• Freshmen Four-Year Graduation Rate	39%	• Alumni Participation Rate	2%
• Freshmen Six-Year Graduation Rate	52%	• Student Satisfaction With Educational Experience	72%
• Transfer (Full-time) One-Year Retention Rate	81%		

AT-A-GLANCE

SERVICE TO THE COMMONWEALTH

• Degree Completions	1,913	• Percent Alumni who Remain in MA	69%
<i>Bachelor's</i>	1419	• Degrees Awarded in STEM Fields	415
<i>Master's</i>	398	<i>Undergraduate</i>	284
<i>Doctorates</i>	96	<i>Graduate</i>	131
• Total R&D Expenditures	\$27M	• Certificates Awarded in STEM Fields	7
• Total R&D Expenditures Ranking	243	• Degrees Awarded in Healthcare Fields	241
Total R&D Expenditures Ranking among Carnegie Peers, US Publics, Non- Medical	40	<i>Undergraduate</i>	213
• Total R&D Expenditures per Tenure System Faculty	\$90,970	<i>Graduate</i>	28
• Patent Applications	9	• Certificates Awarded in Healthcare Fields	38
• License Income	\$32,649		

FINANCIAL HEALTH

• Total Endowment	\$59.0M	• Spendable Cash & Investments to Operating Expenses	0.27
• Annual Growth in Endowment	1.1%	• Debt Service Burden	7.7%
• Endowment per Annualized Student FTE	\$8,272	• Operating Margin (%)	0.0%
• Private Funds Raised Annually	\$3.2M		

ACADEMIC QUALITY

AVERAGE HIGH-SCHOOL GPA OF FIRST-TIME FRESHMEN

3.31

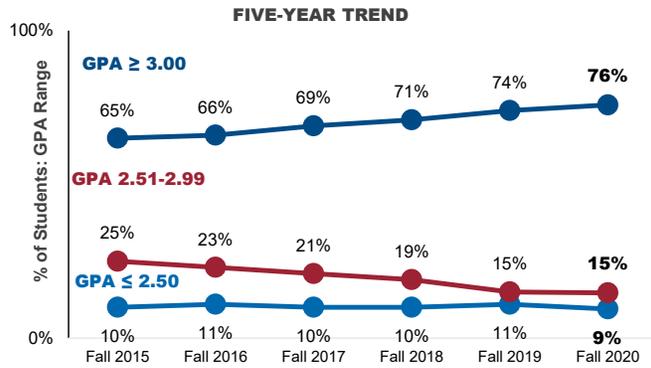
Average HS GPA in Fall 2020

▲ **0.02**

One-year nominal change (vs. Fall 2019)

▲ **0.11**

Five-year nominal change (vs. Fall 2015)



SAT SCORES OF FRESHMEN

1190

SAT Scores of Freshmen 75th Percentile in Fall 2020

▲ **10**

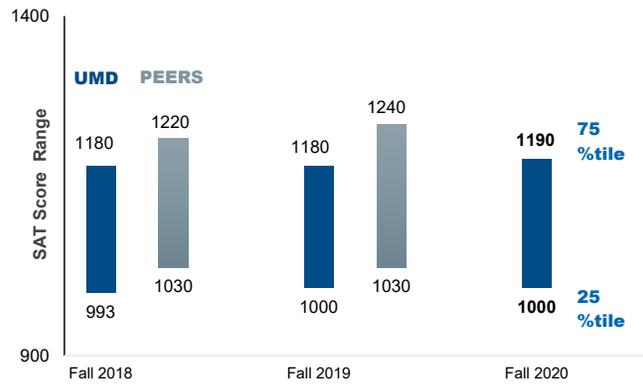
One-year nominal change (vs. Fall 2019)

1000

SAT Scores of Freshmen 25th Percentile in Fall 2020

● **0**

One-year nominal change (vs. Fall 2019)

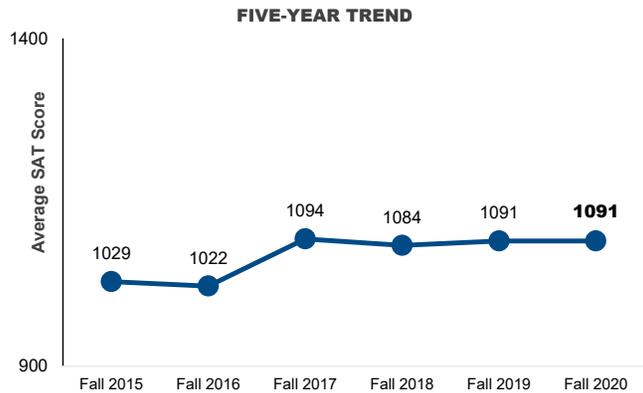


1091

Average SAT Scores of Freshmen in Fall 2020

● **0**

One-year nominal change (vs. Fall 2019)



ACADEMIC QUALITY

AVERAGE GPA OF ENTERING TRANSFER STUDENTS

3.19

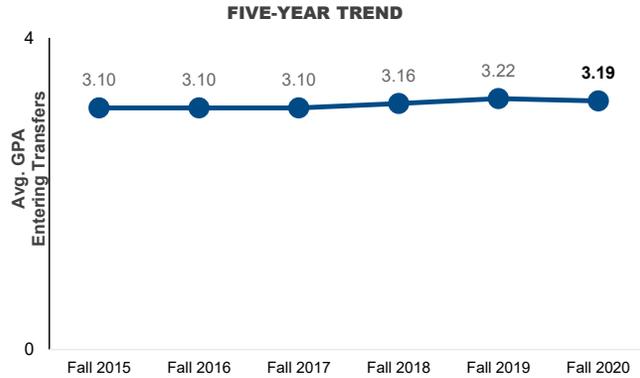
Average transfer GPA in Fall 2020

▼ 0.03

One-year nominal change (vs. Fall 2019)

▲ 0.09

Five-year nominal change (vs. Fall 2015)



STUDENT-FACULTY RATIO

15:1

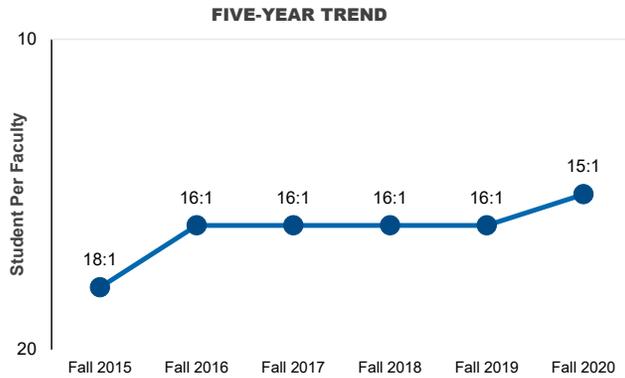
Student-Faculty Ratio in Fall 2020

▲ 1

One-year nominal change (vs. Fall 2019)

▲ 3

Five-year nominal change (vs. Fall 2015)



TECHNOLOGY-ENHANCED CLASSROOMS

142

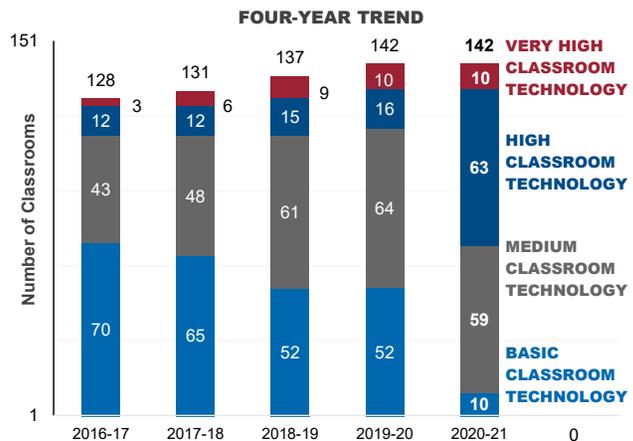
Total Technology Enhanced Classrooms in 2019-20

• 0%

One-year % change (vs. 2018-19)

▲ 11%

Four-year % change (vs. 2016-17)



ACADEMIC QUALITY

PERCENT TENURED/TENURE-TRACK FACULTY FTE

65%

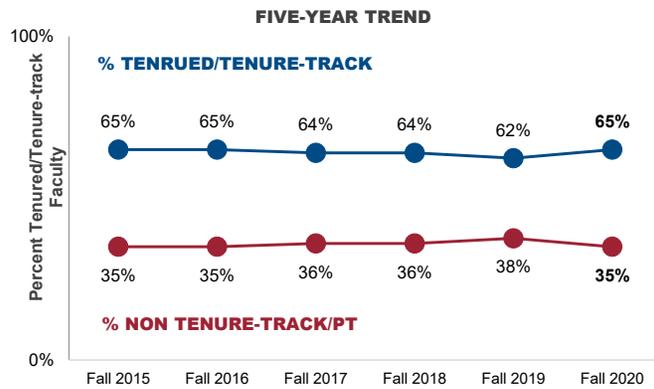
Percent Tenured/
Tenure-track Faculty
in Fall 2020

▲ 3

One-year
% point change
(vs. Fall 2019)

● 0

Five-year
% point change
(vs. Fall 2015)



FACULTY FTE

446

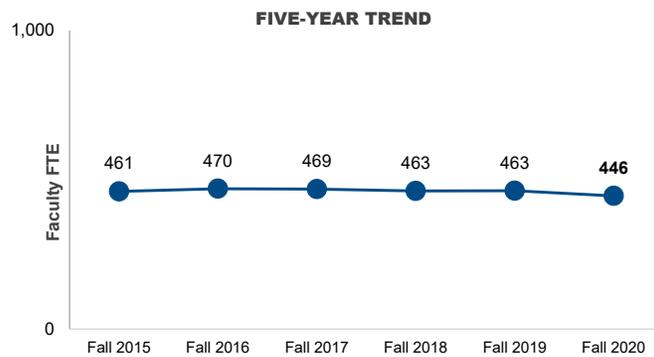
Faculty FTE
in Fall 2020

▼ 4%

One-year
% change
(vs. Fall 2019)

▼ 3%

Five-year
% change
(vs. Fall 2015)



FACULTY-OF-COLOR

110

Faculty Of Color
in Fall 2020

▲ 19

One-year
nominal change
(vs. Fall 2019)

▲ 28

Five-year
nominal change
(vs. Fall 2015)

22%

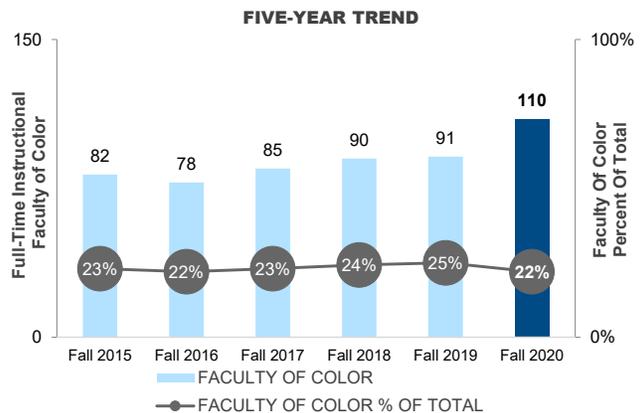
Percent of
Faculty Of Color
in Fall 2020

▼ 3

One-year
% point
(vs. Fall 2019)

▼ 1

Five-year
% point
(vs. Fall 2015)



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

ACADEMIC QUALITY

WOMEN FACULTY

188

Women Faculty in Fall 2020

47%

Percent of Women Faculty in Fall 2020

▲ 1

One-year nominal change (vs. Fall 2019)

▼ 0

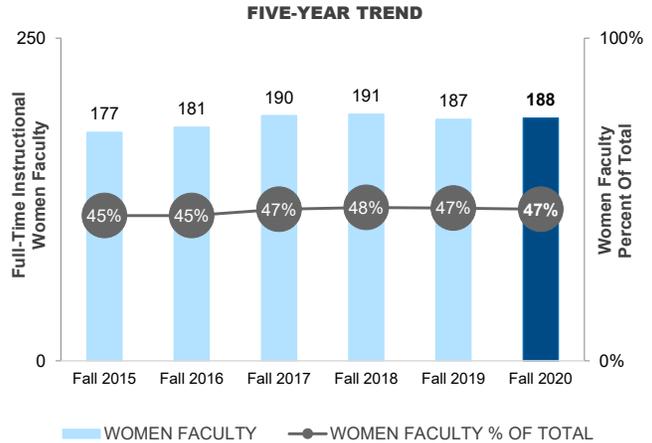
One-year nominal change (vs. Fall 2019)

▲ 11

Five-year nominal change (vs. Fall 2015)

▲ 2

Five-year nominal change (vs. Fall 2015)



FACULTY AWARDS

0

Faculty Awards in 2019

• 0

One-year nominal change (vs. 2018)

▼ 3

Five-year nominal change (vs. 2014)



Source : The Top American Research Universities

ACCESS AND AFFORDABILITY

UNDERGRADUATES FROM MASSACHUSETTS

5,350

Undergraduates from Massachusetts in Fall 2020

89%

% Undergraduates from Massachusetts in Fall 2020

▼ 6%

One-year % change (vs. Fall 2019)

• 0

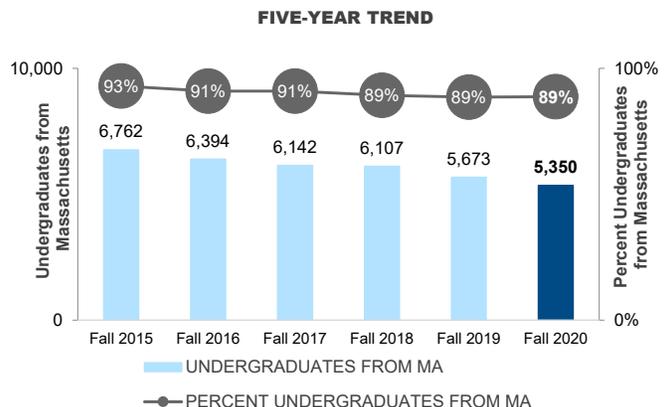
One-year % point change (vs. Fall 2019)

▼ 21%

Five-year % change (vs. Fall 2015)

▼ 4

Five-year % point change (vs. Fall 2015)



ACCESS AND AFFORDABILITY

UNDERGRADUATE STUDENTS OF COLOR

2,109
Undergraduates Students of Color in Fall 2020

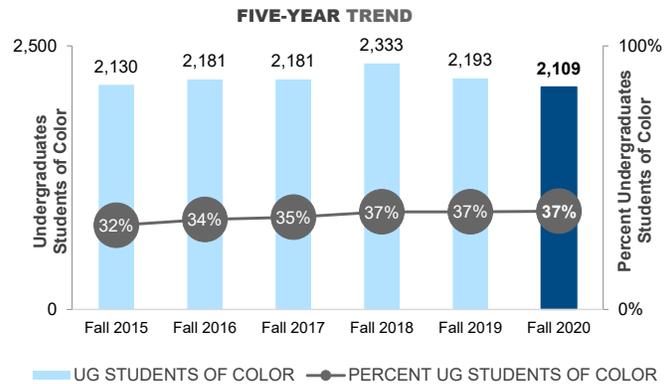
▼ **4%**
One-year % change (vs. Fall 2019)

▼ **1%**
Five-year % change (vs. Fall 2015)

37%
% Undergraduates Students of Color in Fall 2020

▲ **0**
One-year % point change (vs. Fall 2019)

▲ **5**
Five-year % point change (vs. Fall 2015)



UNDERGRADUATES WHO ARE INTERNATIONAL

91
International UG Enrollment in Fall 2020

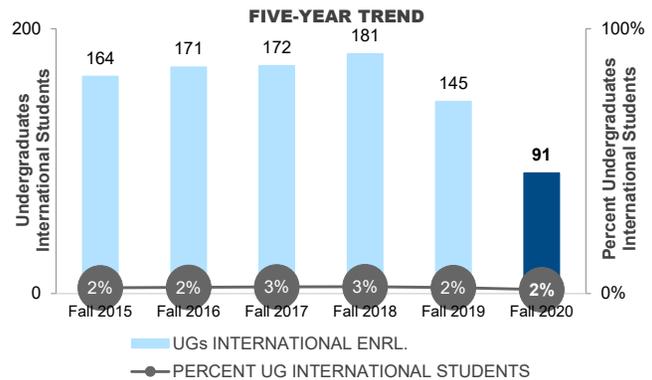
▼ **37%**
One-year % change (vs. Fall 2019)

▼ **45%**
Five-year % change (vs. Fall 2015)

2%
% International UG Enrollment in Fall 2020

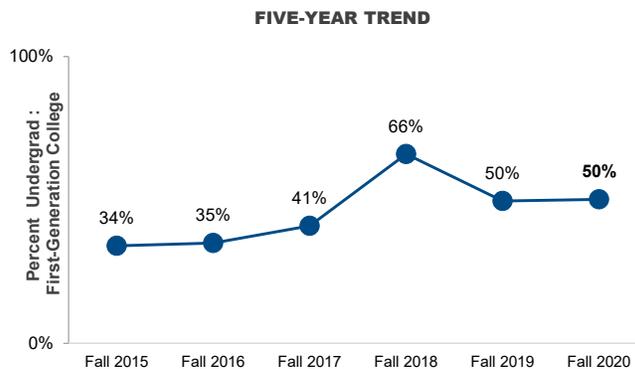
▼ **1**
One-year % point change (vs. Fall 2019)

▼ **1**
Five-year % point change (vs. Fall 2015)



PERCENT FIRST-TIME UNDERGRADUATES WHO ARE FIRST-GENERATION IN COLLEGE

50%
Percent first-time Undergraduates who are First-Generation College in Fall 2020



*The data source from Fall 2018 updated to Common Application responses.

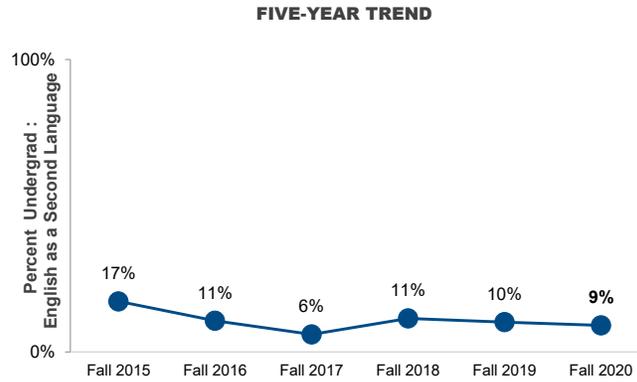
ACCESS AND AFFORDABILITY

PERCENT FIRST-TIME, FULL-TIME UNDERGRADUATES WITH ENGLISH AS A SECOND LANGUAGE

9%

Percent Undergraduates
Speak English as a
Second Language
in Fall 2020

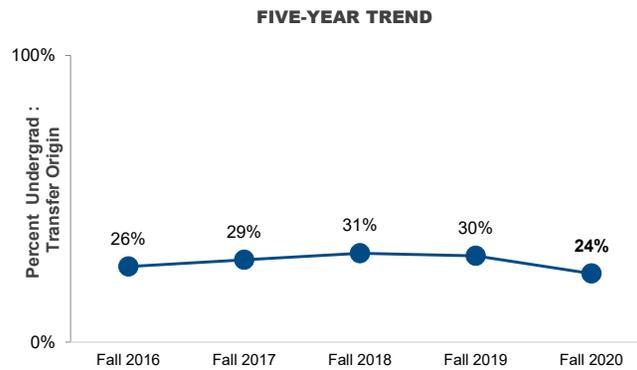
*The data source from Fall 2018 updated
to Common Application responses.



PERCENT UNDERGRADUATES WHO ARE OF TRANSFER ORIGIN

24%

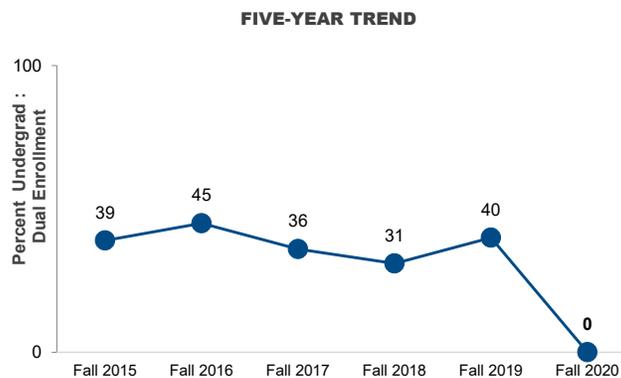
Percent Undergraduates
who are of Transfer-Origin
in Fall 2020



DUAL ENROLLMENT STUDENTS (HEADCOUNT)

0

Dual Enrolled
Students
in Fall 2020



ACCESS AND AFFORDABILITY

PERCENT IN-STATE PELL GRANT RECIPIENTS

41%

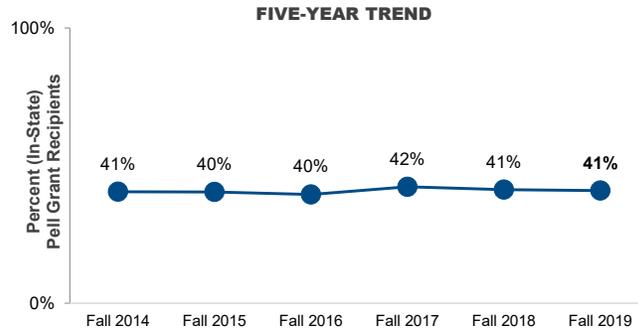
Percent (In-State) Pell Grant Recipients in Fall 2019

. 0

One-year % point change (vs. Fall 2018)

. 0

Five-year % point change (vs. Fall 2014)



PERCENT NEED MET FOR IN-STATE STUDENTS AWARDED NEED-BASED AID

80%

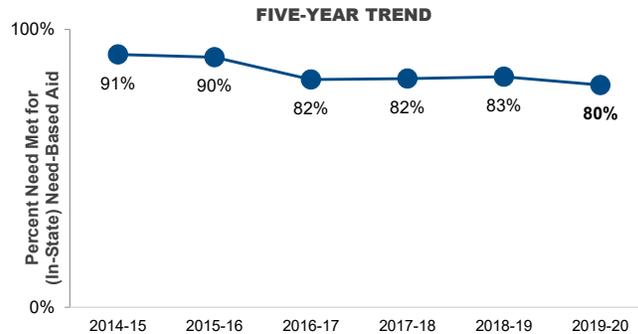
Percent Need Met for (In-State) Need-Based Aid in 2019-20

▼ 3

One-year % point change (vs. 2018-19)

▼ 11

Five-year % point change (vs. 2014-15)



UNDERGRADUATE STUDENT DEBT LOAD OF GRADUATING CLASS

\$36.1k

Average Debt Load in 2020

▲ 4%

One-year % change (vs. 2019)

▲ 13%

Five-year % change (vs. 2015)

85%

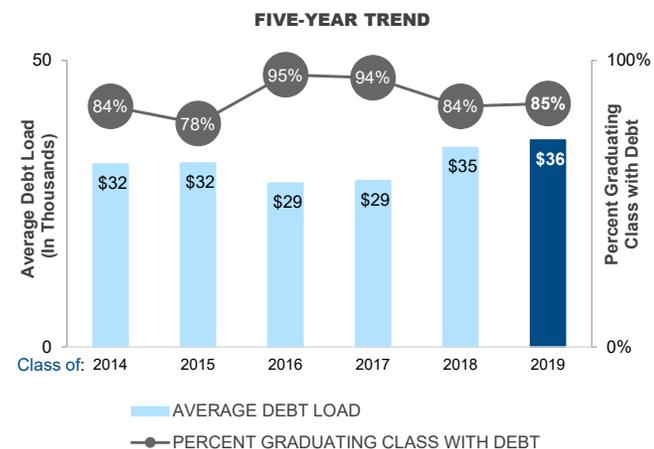
Percent Graduating Class with Debt in 2020

▲ 1

One-year % point change (vs. 2019)

▲ 1

Five-year % point change (vs. 2015)



ACCESS AND AFFORDABILITY

TOTAL STUDENTS WHO PARTICIPATED IN A STUDY ABROAD PROGRAM

30

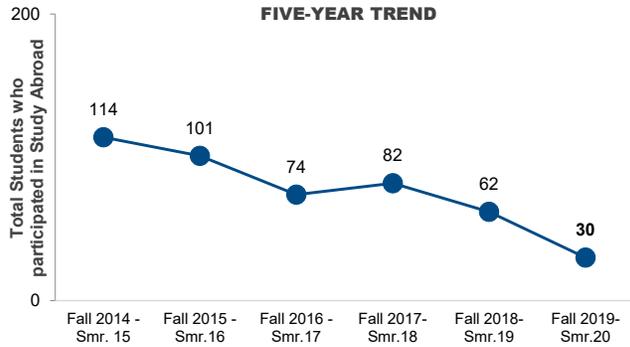
Students who participated in Study Abroad in Fall 2019-Smr.20

▼ **32**

One-year nominal change vs. Fall 2018-Smr.19

▼ **84**

Five-year nominal change vs Fall 2014 -Smr. 15



TOTAL ONLINE COURSE REGISTRATIONS

9,895

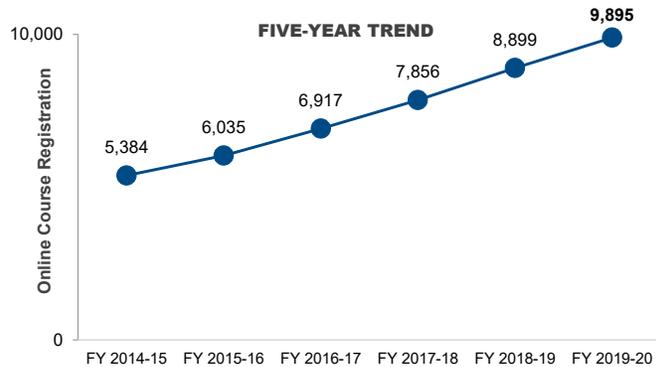
Online Course Registrations in FY 2019-20

▲ **11%**

One-year % change (vs. FY 2018-19)

▲ **84%**

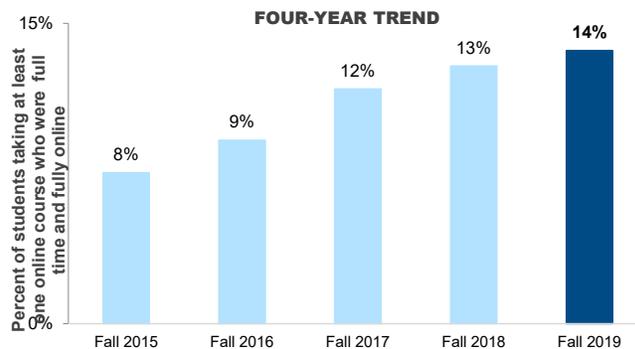
Five-year % change (vs. FY 2014-15)



PERCENTAGE OF DEGREE-SEEKING STUDENTS TAKING AT LEAST ONE ONLINE COURSE WHO WERE FULL TIME AND FULLY ONLINE

14%

Students taking at least one online course who were full time and fully online in Fall 2019



STUDENT SUCCESS AND SATISFACTION

FRESHMEN ONE-YEAR RETENTION RATE

71%

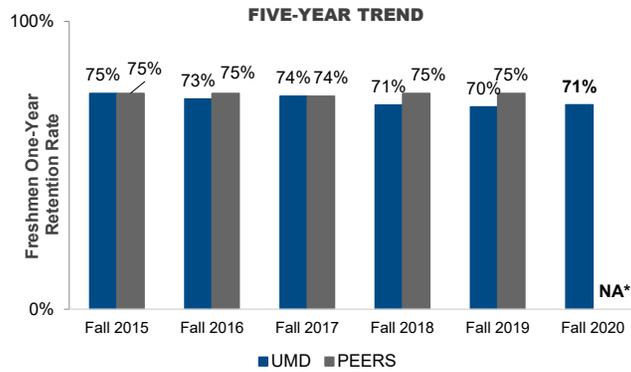
Freshmen One-Year Retention Rate in Fall 2020

▲ 1

One-year % point change (vs. Fall 2019)

▼ 4

Five-year point (vs. Fall 2015)



* Peer data for Fall 2020 not available for reporting purposes.

FRESHMEN FOUR-YEAR GRADUATION RATES

39%

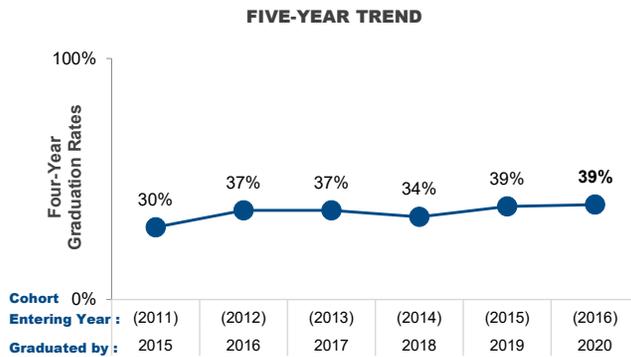
Freshmen Four-Year Graduation Rates in 2020

● 0

One-year % point change (vs. 2019)

▲ 9

Five-year % point change (vs. 2015)



FRESHMEN SIX-YEAR GRADUATION RATE

52%

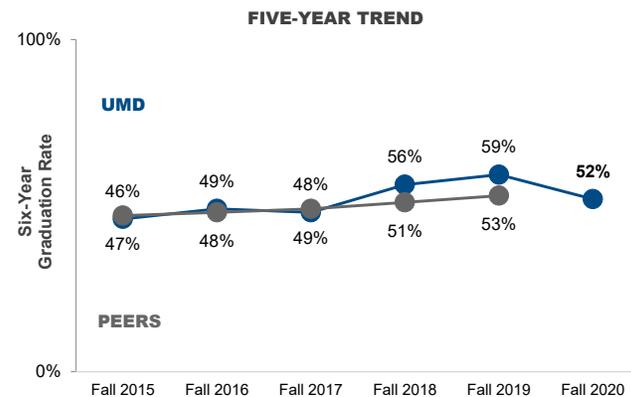
UMD Freshmen Six-Year Graduation Rates in Fall 2020

▼ 7

One-year % point change (vs. Fall 2019)

▲ 6

Five-year % point change (vs. Fall 2015)



STUDENT SUCCESS AND SATISFACTION

TRANSFER (FULL-TIME) ONE-YEAR RETENTION RATE

81%

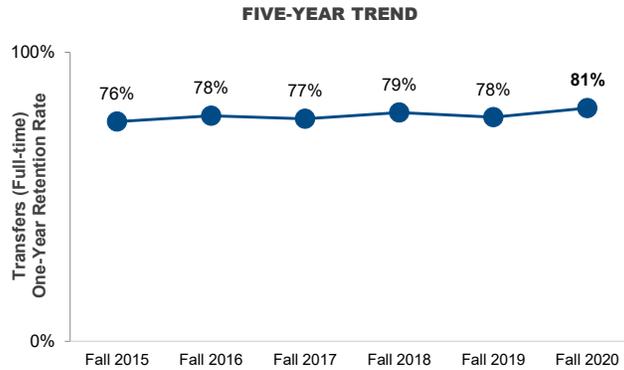
Transfers (Full-time)
One-Year
Retention Rate
in Fall 2020

▲ 3

One-year
% point change
(vs. Fall 2019)

▲ 5

Five-year
% point change
(vs. Fall 2015)



TRANSFER (UPPER DIVISION) FOUR-YEAR GRADUATION RATE

77%

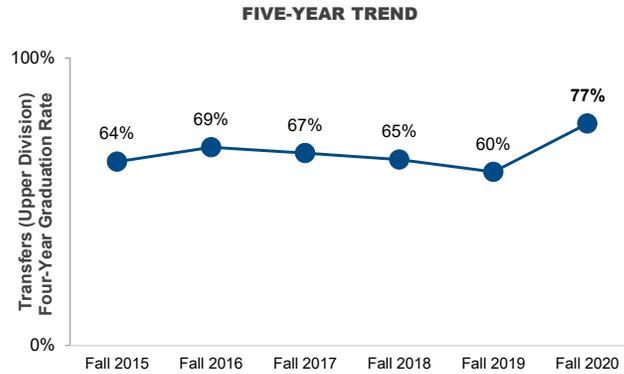
Transfers (Upper
Division) Four-Year
Graduation Rates
in Fall 2020

▲ 17

One-year
% point change
(vs. Fall 2019)

▲ 13

Five-year
% point change
(vs. Fall 2015)



STUDENT ACHIEVEMENT MEASURE

Cohort starting in : 2014-15

40%

Bachelor's Degree
Within 4 Yrs. from
any institution

62%

Bachelor's Degree
Within 5 Yrs. From
any institution

68%

Bachelor's Degree
Within 6 Yrs. From
any institution

34%

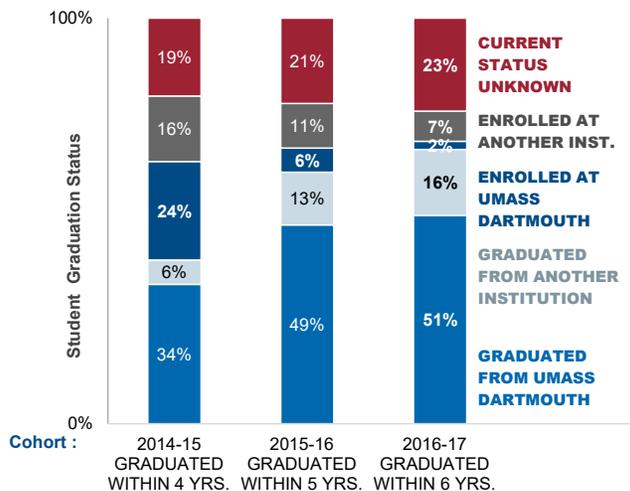
Bachelor's Degree
Within 4 Yrs. from
UMass Dartmouth

49%

Bachelor's Degree
Within 5 Yrs. From
UMass Dartmouth

51%

Bachelor's Degree
Within 6 Yrs. From
UMass Dartmouth



Source : Student Achievement Measure (SAM)

STUDENT SUCCESS AND SATISFACTION

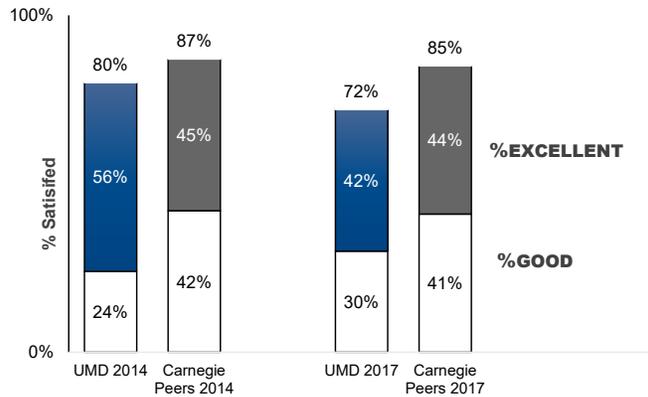
STUDENT SATISFACTION WITH EDUCATIONAL EXPERIENCE

72%

Student Satisfaction as Good or Excellent in UMD 2014

▼ 8

Three-year % point change (vs. UMD 2017)



ALUMNI PARTICIPATION RATE

2%

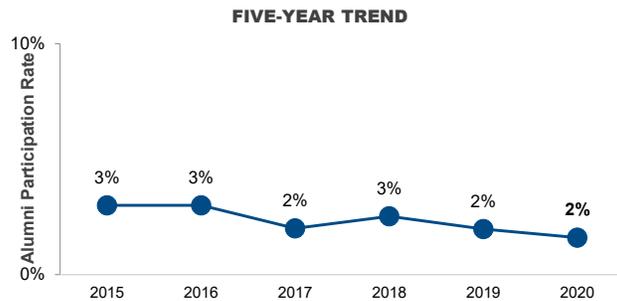
Alumni Participation Rate in 2020

.0

One-year % point change (vs. 2019)

▼ 1

Five-year % point change (vs. 2015)



SERVICE TO THE COMMONWEALTH

DEGREE COMPLETIONS

1,913

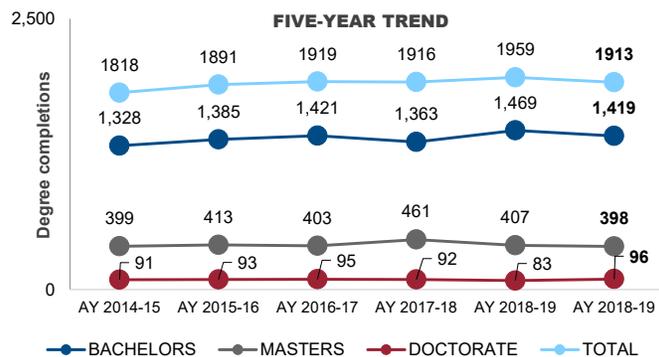
Total degree completions AY 2018-19

▼ 2%

One-year % change in total degree completions (vs. AY 2018-19)

▲ 5%

Five-year % change in total degree completions (vs. AY 2014-15)



SERVICE TO THE COMMONWEALTH

TOTAL R&D EXPENDITURES

\$26.8

Million
in FY 2020

▼ 4%

One-year
% change
(vs. FY 2019)

. 0%

Five-year
% change
(vs. FY 2015)



TOTAL R&D EXPENDITURES RANKINGS

243

Total R&D Expenditures
Overall Rankings
in FY 2019

▲ 2

One-year
nominal change
(vs. FY 2018)

▼ 10

Five-year
nominal change
(vs. FY 2014)

40

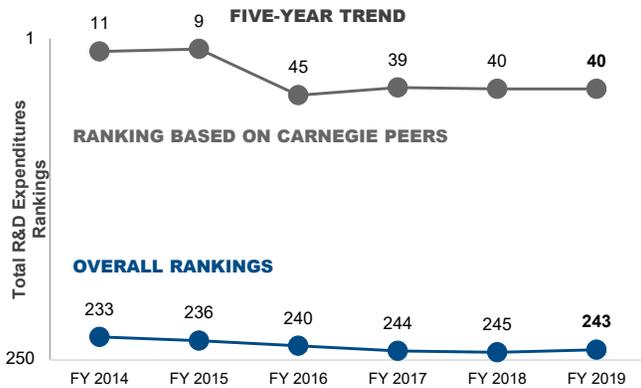
Rankings based on
Carnegie Peers
in FY 2019

. 0

One-year
nominal change
(vs. FY 2018)

▼ 29

Five-year
nominal change
(vs. FY 2014)



Overall Ranking Source: National Science Foundation Ranking by Total R&D Expenditures.

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

TOTAL R&D EXPENDITURES PER TENURED SYSTEM FACULTY

\$91k

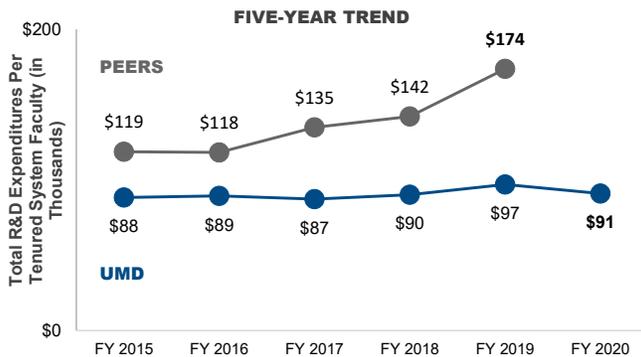
Total R&D Expenditure
Per Tenured
System Faculty
in FY 2020

▼ 6%

One-year
% change
(vs. FY 2019)

▲ 3%

Five-year
% change
(vs. FY 2015)



* Peer data for FY 2020 is currently not available.

SERVICE TO THE COMMONWEALTH

NUMBER OF PATENT APPLICATIONS

9

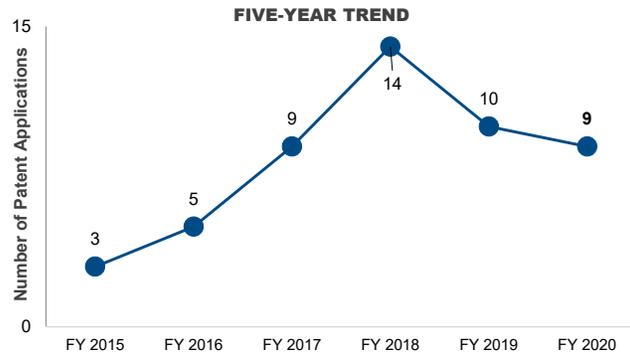
Patent Applications in FY 2020

▼ 1

One-year nominal change (vs. FY 2019)

▲ 6

Five-year nominal change (vs. FY 2015)



LICENSE INCOME

\$32.6k

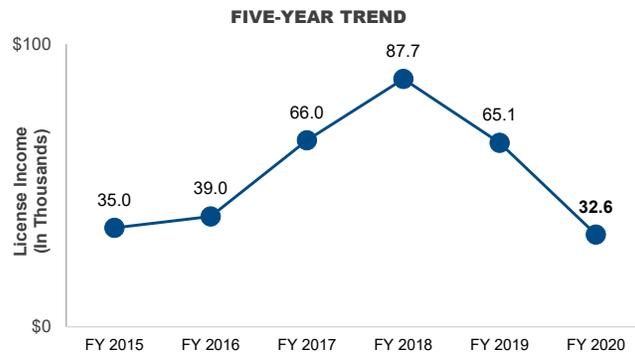
License Income in FY 2020

▼ 50%

One-year % change (vs. FY 2019)

▼ 7%

Five-year % change (vs. FY 2015)



PERCENT ALUMNI WHO LIVE IN MASSACHUSETTS

69%

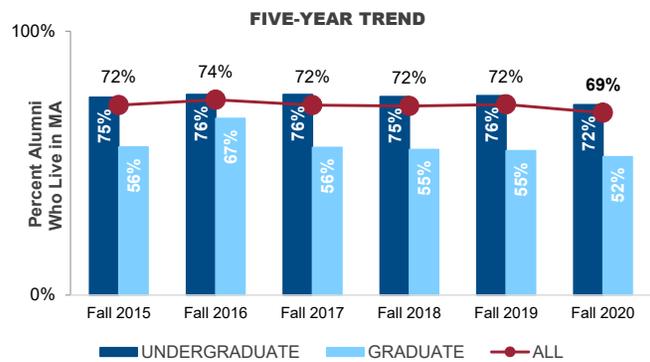
Of all UMass Alumni live in the Commonwealth in Fall 2020

▼ 3

One-year % point change (vs. Fall 2019)

▼ 3

Five-year % point change (vs. Fall 2015)



SERVICE TO THE COMMONWEALTH

DEGREES AWARDED IN STEM FIELDS

284

UG degrees awarded in STEM fields in 2019-20

▼ **14%**

One-year % change (vs. 2018-19)

▼ **7%**

Five-year % change (vs. 2014-15)

21%

Percent of total UG degrees awarded in STEM fields in 2019-20

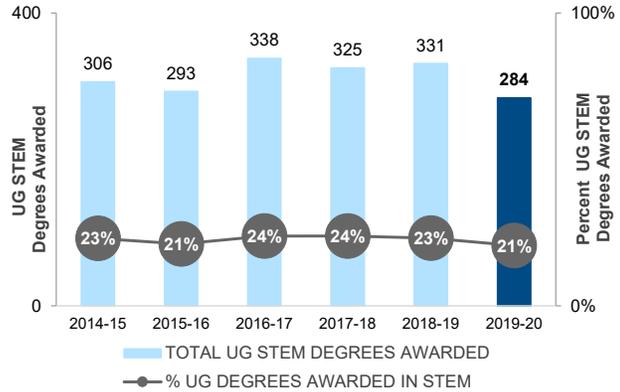
▼ **2**

One-year % point change (vs. 2018-19)

▼ **2**

Five-year % point change (vs. 2014-15)

UNDERGRAD STEM DEGREES AWARDED FIVE-YEAR TREND



131

Grad degrees awarded in STEM fields in 2019-20

▼ **22%**

One-year % change (vs. 2018-19)

▲ **62%**

Five-year % change (vs. 2014-15)

27%

Percent of total Grad degrees awarded in STEM fields in 2019-20

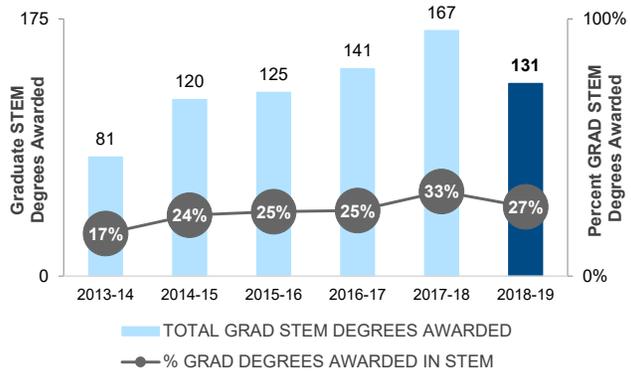
▼ **6**

One-year % point change (vs. 2018-19)

▲ **10**

Five-year % point change (vs. 2014-15)

GRAD STEM DEGREES AWARDED FIVE-YEAR TREND



415

Total degrees awarded in STEM fields in 2019-20

▼ **15%**

One-year % change (vs. 2018-19)

▲ **7%**

Five-year % change (vs. 2014-15)

22%

Percent of Total degrees awarded in STEM fields in 2019-20

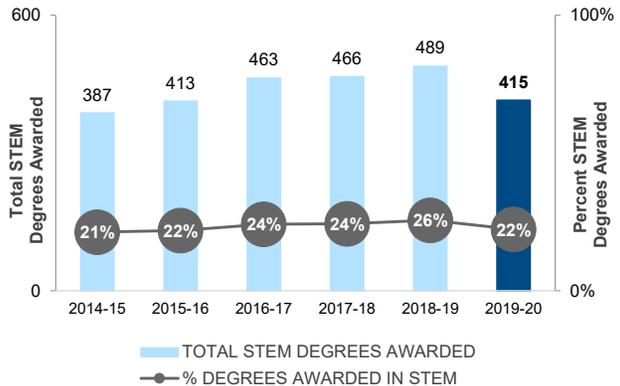
▼ **4**

One-year % point change (vs. 2018-19)

▲ **1**

Five-year % point change (vs. 2014-15)

TOTAL STEM DEGREES AWARDED FIVE-YEAR TREND



SERVICE TO THE COMMONWEALTH

CERTIFICATES AWARDED IN STEM FIELDS

7
Total Certificates awarded in STEM fields in 2019-20

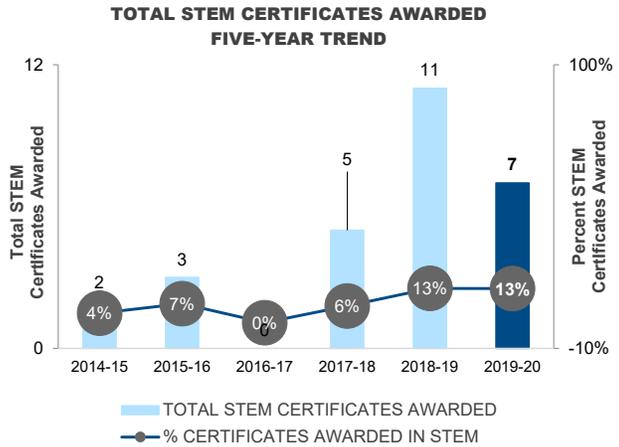
▼ 4
One-year nominal change (vs. 2018-19)

▲ 5
Five-year nominal change (vs. 2014-15)

13%
Percent of Total Certificates awarded in STEM fields in 2019-20

• 0
One-year % point change (vs. 2018-19)

▲ 9
Five-year % point change (vs. 2014-15)

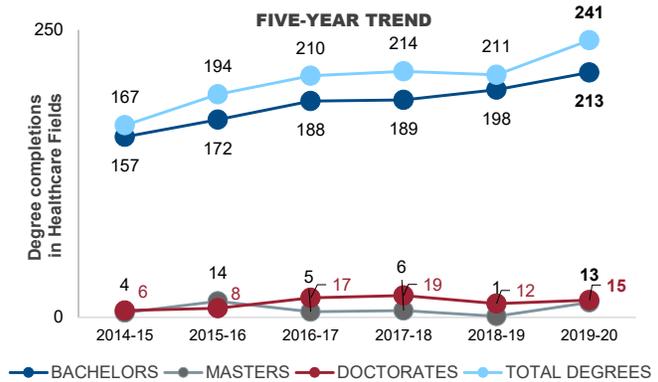


DEGREES AWARDED IN HEALTHCARE FIELDS

241
Total degrees awarded in HealthCare fields in 2019-20

▲ 14%
One-year % point change (vs. 2018-19)

▲ 44%
Five-year % point change (vs. 2014-15)

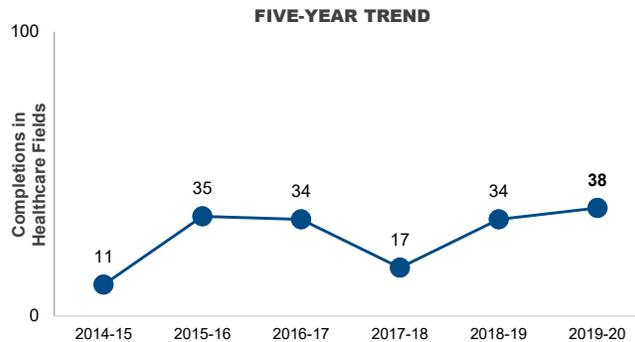


CERTIFICATES AWARDED IN HEALTHCARE FIELDS

38
Total Certificates awarded in HealthCare fields in 2019-20

▲ 12%
One-year % point change (vs. 2018-19)

▲ 245%
Five-year % point change (vs. 2014-15)



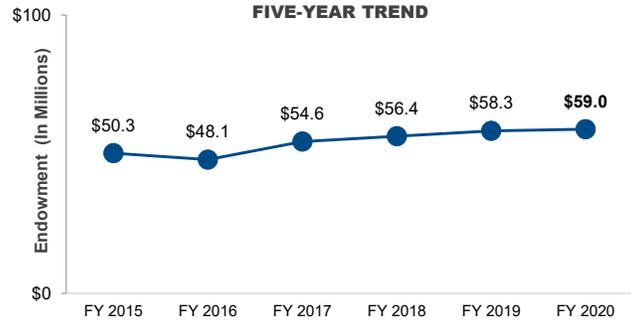
FINANCIAL HEALTH

ENDOWMENT ASSETS AND ANNUAL GROWTH IN ENDOWMENT

\$59.0M
Endowment Assets
in FY 2020

▲ 1%
One-year
% change
(vs. FY 2019)

▲ 17%
Five-year
% change
(vs. FY 2015)

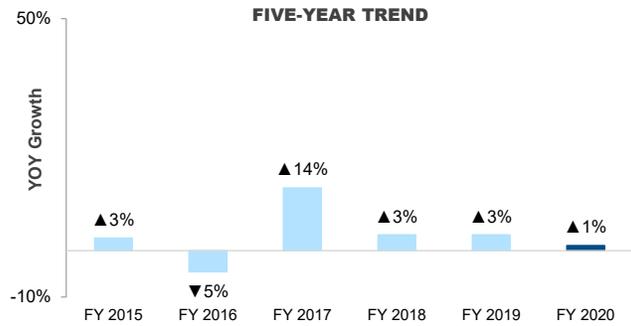


ENDOWMENT ASSETS AND ANNUAL GROWTH IN ENDOWMENT

1%
Annual Growth
in FY 2020

▼ 2
One-year
% point change
(vs. FY 2019)

▼ 2
Five-year
% point change
(vs. FY 2015)

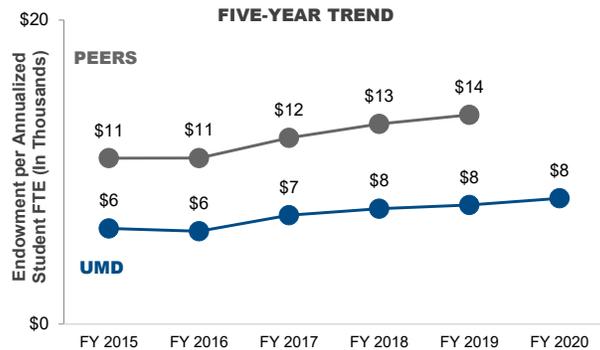


ENDOWMENT PER ANNUALIZED STUDENT FTE

\$8.3k
Endowment per Annualized
Student FTE
in FY 2020

▲ 6%
One-year
% change
(vs. FY 2019)

▲ 31%
Five-year
% change
(vs. FY 2015)



* Peer data for FY 2020 not available for reporting purposes.

FINANCIAL HEALTH

PRIVATE FUNDS RAISED ANNUALLY

\$3.2M
Private Funds
Raised Annually
in FY 2020

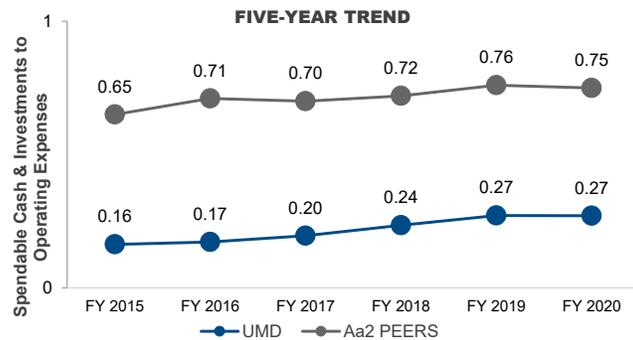
▲ 6%
One-year
% change
(vs. FY 2019)

▲ 1%
Five-year
% change
(vs. FY 2015)



SPENDABLE CASH & INVESTMENTS TO OPERATING EXPENSES

0.27
Spendable Cash &
Investments to Operating Expenses
in FY 2020

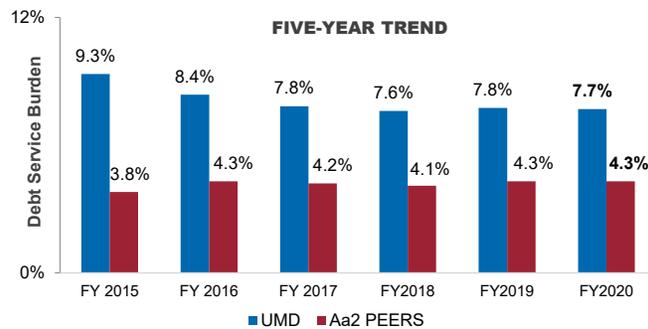


DEBT SERVICE BURDEN

7.7%
Debt Service
Burden
in FY2020

▼ 0.1
One-year
% Point change
(vs. FY2019)

▼ 1.6
Five-year
% Point change
(vs. FY 2015)



FINANCIAL HEALTH

OPERATING MARGIN (%)

0.0%

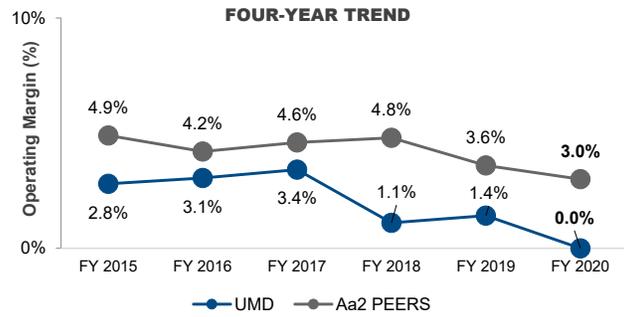
Operating Margin (%)
in FY 2020

▼ **1.4**

One-year
% Point change
(vs. FY 2019)

▼ **2.8**

Four-year
% Point change
(vs. FY 2016)



DEFINITIONS AND SOURCES

ACADEMIC QUALITY INDICATORS

Average High School GPA of First-Time

Freshmen. Cumulative GPA for college prep courses with additional weight to honors and AP courses, according to DHE admissions policy, reported on all first-time students.

SAT Scores of Freshmen. SAT scores of Freshmen. All reported SAT scores are based on the sum of the SAT MSS and the ERWS for entering freshmen. A redesigned SAT was used for Fall 2017 admissions; therefore, scores for Fall 2016 and before cannot be compared to scores for Fall 2017 and later. The average is the arithmetic mean of these SAT scores. Peer data are from IPEDS.

Average GPA of Entering Transfer

Students. Average Cumulative GPA of entering transfer students according to DHE 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.

Technology-Enhanced Classrooms.

Classification of the campus's total classroom capacity in terms of the level of technology-support.

Percent Tenured/Tenure-Track Faculty

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

Faculty FTE. Definition of Faculty FTE is per the Common Data Set, and includes all faculty teaching credit courses, including credit courses offered via Continuing Education.

Faculty-of-Color. 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.

Women 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*.

ACCESS AND AFFORDABILITY INDICATORS

Percentage Undergraduates from

Massachusetts. Percentage of total undergraduate students who are "In State" or residents of Massachusetts based on tuition residency. For "day" students, tuition classification is used, whereas for OCE students, the actual residency at time of matriculation is used.

Percent Undergraduates who are Students

of Color. Undergraduates who self-identify as either African American/Black, Hispanic/ Latino, Asian, Hawaiian/Pacific Islander, American Indian/Alaskan Native, and/or Two or more races.

Hispanic students who list one or more additional groups will be coded as Hispanic. Included only for U.S. Citizens and Permanent Residents who report race and ethnicity divided by total undergraduate U.S. citizens and permanent residents who report race/ethnicity.

Percent Undergraduates who are

International. Percentage of all undergraduates who are non-resident aliens, studying at the university on an eligible visa types, and enrolled in credit courses. Does not include permanent residents, refugees, or US citizens.

DEFINITIONS AND SOURCES

ACCESS AND AFFORDABILITY INDICATORS

Percent Undergraduates who are First Generation in College. Percent of first-time undergraduates where neither parent has earned a bachelor's degree. The source of this data field is the Common Application.

Percent first-time Undergraduates with English as a Second Language. Percent of first-time undergraduates who speak another language at home. The source of this data field will be from the Common Application.

Percent Undergraduates Who Are of Transfer Origin. Percent of all currently enrolled bachelor's degree-seeking undergraduate students who were admitted as transfer students at the institution.

Dual Enrollment Students (Headcount). Headcount of current non-Degree dual-enrolled students on campus.

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 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 Student Debt Load of Graduating Class (UG). Average debt load is based on the total debt borrowed by an Institution's graduating class (bachelor's, first-time only) divided by the number of students of that cohort that carried any amount of debt. It does not include those students

with no debt load. It does not include students who have transferred in. The graduating class includes those that graduated between July 1 and June 30 of the reporting year. Data is from CDS.

Percent Graduating Class with Debt (UG). The total number of students in the graduating class (bachelor's, first-time only) that carried a debt load at the institution divided by the total number of graduating (bachelor's, first-time only) students in that institution. It does not include students who have transferred in. The graduating class includes those that graduated between July 1 and June 30 of the reporting year. Data is from CDS.

Number of Students who Participated in a Study Abroad Program. Number of students who participated in a credit-bearing study abroad program outside of the U.S. over the most recent academic year, either at UMass or elsewhere.

Online Course Registrations. 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 courses only offered via UMassOnline.

Percentage of degree-seeking students taking at least one online course who were full time and fully online. Metric calculated using the formula below. Data from fall student headcount of degree-seeking students, split by full-time and part-time status, who fall into the following categories: Enrolled exclusively in online courses; Enrolled in at least one, but not all, online courses; and Not enrolled in any online courses. (As per IPEDS definition).
(Full time Enrolled exclusively in online courses) / (Full time Enrolled in at least one, but not all, online courses + Full time Enrolled exclusively in online courses + part-time Enrolled in at least one, but not all, online courses + part-time Enrolled exclusively in online courses).

STUDENT SUCCESS AND SATISFACTION INDICATORS

Freshmen One-Year Retention Rate. Percent of first-time, full-time, degree-seeking freshmen who entered UMass in a given Fall and were still enrolled

at the institution in the following Fall. Peer data as reported to IPEDS.

DEFINITIONS AND SOURCES

STUDENT SUCCESS AND SATISFACTION INDICATORS

Freshmen Four-Year Graduation Rate.

Percent of first-time, full-time, degree-seeking freshmen who entered UMass in a given Fall term and graduated from the institution by the end of their fourth year.

Freshmen Six-Year Graduation Rate.

Percent of first-time, full-time freshmen who entered UMass in a given Fall term and had graduated from the institution within six years. Peer data are based on average as reported to IPEDS

Transfer (Full-Time) One-Year Retention

Rate. Percent of full-time transfer students at any level who entered UMass in a given Fall and were still enrolled at, or graduated from the institution as of the following Fall.

Transfer (Upper-Division) Four-Year

Graduation Rate. Percent of full-time upper division transfers (60+ credits) who entered UMass in a given Fall term and had graduated from the institution within four years.

Student Achievement Measure. SAM tracks student movement across postsecondary institutions

to provide a more complete picture of undergraduate student progress and completion within the higher education system. SAM is an alternative to the federal graduation rate, which is limited to tracking the completion of first-time, full-time students at one institution.

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 most recently conducted National Survey of Student Engagement (NSSE).

Alumni Participation Rate. The 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. Graduates who earned only a graduate degree are excluded.

SERVICE TO THE COMMONWEALTH INDICATORS

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

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.

Total R&D Expenditures Ranking. Annual NSF ranking of Total R&D expenditures, for all postsecondary institutions participating in the NSF HERD Survey. 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 “High Research” and with no medical school. Data source NCES WebCaspar/NSF HERD data tables.

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 by NSF and IPEDS.

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

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

Percent Alumni who Live in

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

DEFINITIONS AND SOURCES

SERVICE TO THE COMMONWEALTH INDICATORS

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. Number of undergraduate and graduate degrees awarded in Health Care 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.

FINANCIAL HEALTH INDICATORS

Endowment Assets and Annual Growth in

Endowment. The total value of the endowment (includes true and quasi-endowments) at the end of the fiscal year as reported in the UMass Annual BOT report, and the percent change from previous year. Comparative data are from IPEDS, financial statements, and the NACUBO survey.

Endowment per Annualized Student FTE.

Total UMass Dartmouth endowments per annualized FTE student, where FTE of peer institutions is standardized to UMass formula. Peer data are for the comparative and aspirant peers from IPEDS..

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.

Spendable Cash & Investments to

Operating Expenses. Measures the extent to which the University can rely on wealth that can be accessed over time or for a specific purpose to operate.

Debt Service to Operations. Debt service as a percentage of total operating expenditures (operating expenditures plus interest expense). Peer data are from published financial statements.

Operating Margin (%). Indicates the excess margin (or deficit) by which annual revenues cover annual expenses (excluding unrealized gains or losses)

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*

DEFINITIONS AND SOURCES

PEER INSTITUTIONS FOR UMASS DARTMOUTH

Moody's Aa2 Peers

Alamo Community College District, TX
Arizona State University, AZ
Auburn University, AL
Board of Regents of The University System of Georgia, GA
California State University, CA
City University of New York, NY
Clemson University, SC
Cuyahoga Community College District, OH
Florida State University, FL
Houston Community College System, TX
Iowa State University of Science & Technology, IA
Michigan State University, MI
Mississippi Institutions of Higher Learning, MS
Nevada System of Higher Education, NV
State University of New York, NY
State University System of Florida, FL
Texas State University System, TX

University of Alabama at Birmingham, AL
University of Alabama, AL
University of Arizona, AZ
University of Arkansas, AR
University of California, CA
University of Florida, FL
University of Georgia, GA
University of Hawaii, HI
University of Houston System, TX
University of Kansas, KS
University of Kentucky, KY
University of Massachusetts, MA
University of North Texas System, TX
University of Oregon, OR
University of South Carolina, SC
University of Wyoming, WY

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



LOWELL

HEADLINES

ACADEMIC QUALITY

UMass Lowell continues to distinguish itself for quality of student learning and excellence of academic programs. As set out in its *2020 Strategic Plan*, UMass Lowell has increased academic quality while simultaneously increasing enrollment.

Fall 2016 saw the introduction of the No Test Option for first-year students, and the quality of the incoming class has remained strong. The Fall 2020 cohort's average high school GPA was 3.66, and the average SAT score was 1236. UML's transfer students posted an average entering GPA of 3.24, up from last year. Since 2010, undergraduate enrollment has increased by a third. The Honors College at UMass Lowell has over quadrupled in size since 2010, to 1,933 students in Fall 2020.

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. In FY 2020, the average amount of R&D expenditures per tenure-stream faculty member was \$198,280. UMass Lowell's goal is to reach \$155,500 per

tenure-stream faculty member by FY 2020. UMass Lowell ranked 167 in R&D Expenditures in FY 2019, up four spots from the prior year. When compared to public Carnegie class peers without a medical school, UMass Lowell increased by three spots from last year, ranked 14th.

UMass Lowell has placed a strategic emphasis on research partnerships that feature co-location with industry and government, with examples including the Raytheon-UMass Lowell Research Institute (RURI), the Printed Electronics Research Collaborative (PERC), and the Harnessing Emerging Research Opportunities to Empower Soldiers (HEROES) partnership with the U.S. Army Natick Soldier Research Development and Engineering Center (NSRDEC).

UMass Lowell's focus on strengthening research and building new academic programs has been assisted by the increased size of the faculty. The percent of tenured/tenure-track faculty FTE increased to 59%. In keeping with faculty diversity goals in the *2020 Strategic Plan*, the proportion of faculty of color in Fall 2020 was 28%, remaining steady with last year.

ACCESS AND AFFORDABILITY

UMass Lowell strives to provide affordable, accessible, and experience-based education. By providing financial need assistance and increasing merit awards for new freshmen and grants for transfer students, UMass Lowell aims to maintain affordability and increase accessibility. On average 88% of in-state undergraduate students need was met in FY20. Almost one in three (31%) UMass Lowell undergraduate students receive Federal Pell Grants, which are based on student need.

In alignment with the diversity goals set out in the *2020 Strategic Plan*, UMass Lowell has increased access to college for those populations that do not traditionally consider attending a postsecondary institution. Thirty-nine percent of UMass Lowell undergraduates self-identified as the first in their family to attend college. Thirty-six percent of undergraduates identify themselves as students of color.

STUDENT SUCCESS AND SATISFACTION

UMass Lowell is committed to providing a world-class student experience that promotes healthy, responsible, and civically engaged students who are prepared to lead in the 21st century.

Student success indicators increased this year for our students. For those who entered directly out of high school, UMass Lowell's one-year retention rate was 84%. The four-year graduation rate

improved to 49%, and the six-year graduation rate jumped three percentage points, to 69%, representing the University's highest six-year graduation rate. For students who entered as transfers, 82% returned for their second year at UMass Lowell while the comparable graduation rate (four-year) for transfer students was 72%.

HEADLINES

SERVICE TO THE COMMONWEALTH

UMass Lowell's *2020 Strategic Plan* calls for a comprehensive approach to economic and community engagement in its host city and throughout the Merrimack Valley, the Commonwealth, and beyond.

According to the UMass Donahue Institute, UMass Lowell's annual economic impact in FY 2016 was \$921.9 million. In recognition of this work, the Carnegie Foundation designated UMass Lowell as a "Community Engaged University," and since 2009 UMass Lowell has appeared each year on the President's Higher Education Community Service Honor Roll. More than 50 UMass Lowell courses each academic year have a service learning component, giving students the opportunity to contribute to the work of community organizations.

UMass Lowell's contribution to workforce development in the Commonwealth is also

evidenced in the number of students it graduates in STEM and Healthcare programs. Over one-third of all degrees awarded at UMass Lowell in AY 2019-20 were in STEM fields. Over ten percent of all degrees awarded were in health-care fields. UMass Lowell's Division of Graduate and Professional Studies (GPS) provides high-quality professional studies in innovative formats including campus-based classes, online education, and customized corporate training. Numerous GPS programs serve various economic sectors, partnering with companies to deliver customized education and training programs for their employees, often on-site. The result is continued significant growth in the number of online course enrollments at UMass Lowell. AY 2019-20 saw an increase of 12% over the previous year, continuing an eight-year trend of growth in online course registrations. AY 2019-20 also saw the largest number of online course registrations to date, at 35,615.

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 increased 19% this year, to \$119.1 million. This affected the endowment per annualized FTE metric, which increased in turn to \$7,882. Private funds raised annually remained steady with last year, at \$21M.

UMass Lowell's alumni giving rate this year is 8%, about twice the national benchmark for public universities. Thirty-one percent of UMass Lowell faculty and staff give to the University, about two times the national average. The University's first-ever comprehensive fundraising campaign, *Our Legacy, Our Place: The Campaign for UMass Lowell* is well on its way, having already raised more than \$165.2 million of the 2020 goal of \$150 million.

n.b. All peer comparisons throughout the 2020 "Annual Indicators" document were generated using UMass Lowell's peers as of 2012. These are listed at the end of the "Definitions" section.

AT-A-GLANCE

ACADEMIC QUALITY

• Average HS GPA of Freshmen	3.66	• Percent Tenured/Tenure-Track Faculty FTE	59%
• Average SAT Scores of Freshmen		• Faculty FTE	751
<i>Arithmetic Mean</i>	1236	• Full-Time Instructional Faculty	
<i>25th – 75th Percentile</i>	1210-1030	<i>Percent Faculty-of-Color</i>	28%
• Average GPA of Entering Transfer Students	3.24	<i>Percent Women Faculty</i>	44%
• Student-Faculty Ratio	19:1	• Faculty Awards	0
• Technology-Enhanced Classrooms	193		

ACCESS AND AFFORDABILITY

• Percent Undergraduates from Students from MA	86%	• Percent In-State Pell Grant Recipients	31%
• Percent Undergraduates who are Students of Color	36%	• Percent of Need Met for In-State Students Awarded Need-Based Aid	88%
• Percent Undergraduates who are International	3%	• Average Debt of Students (UG Graduating Class)	\$33,500
• Percent First-Time Undergraduates who are First Generation in College	39%	• Percent Graduating Class with Debt (UG)	73%
• Percent First-Time Undergraduates with English as a Second Language	NA*	• Total Students who Participated in a Study Abroad Program	168
• Percent Undergraduates Who Are Of Transfer Origin	30%	• Online Course Registrations	35,615
• Dual Enrolled Students (Headcount)	40	Percentage of degree-seeking students taking at least one online course who were full time and fully online.	9%

STUDENT SUCCESS AND SATISFACTION

• Freshmen One-Year Retention Rate	84%	• Transfer (Upper Division) Four-Year Graduation Rate	72%
• Freshmen Four-Year Graduation Rate	49%	• Student Satisfaction With Educational Experience	85%
• Freshmen Six-Year Graduation Rate	69%	• Alumni Participation Rate	8%
• Transfer (Full-time) One-Year Retention Rate	82%		

AT-A-GLANCE

SERVICE TO THE COMMONWEALTH

• Degree Completions	4,254	• Percent Alumni who Remain in MA	60%
<i>Bachelor's</i>	2934	• Degrees Awarded in STEM Fields	1,671
<i>Master's</i>	1148	<i>Undergraduate</i>	1,224
<i>Doctorates</i>	172	<i>Graduate</i>	447
• Total R&D Expenditures	\$92M	• Certificates Awarded in STEM Fields	129
• Total R&D Expenditures Ranking	167	• Degrees Awarded in Healthcare Fields	467
Total R&D Expenditures Ranking among			
• Carnegie Peers, US Publics, Non-Medical	14	<i>Undergraduate</i>	300
• Total R&D Expenditures per Tenure System Faculty	\$198,280	<i>Graduate</i>	167
• Patent Applications	32	• Certificates Awarded in Healthcare Fields	55
• License Income	\$344,144		

FINANCIAL HEALTH

• Total Endowment	\$119.1M	• Spendable Cash & Investments to Operating Expenses	0.30
• Annual Growth in Endowment	19.3%	• Debt Service Burden	6.8%
• Endowment per Annualized Student FTE	\$7,882	• Operating Margin (%)	-0.6%
• Private Funds Raised Annually	\$21.2M		

ACADEMIC QUALITY

AVERAGE HIGH-SCHOOL GPA OF FIRST-TIME FRESHMEN

3.66

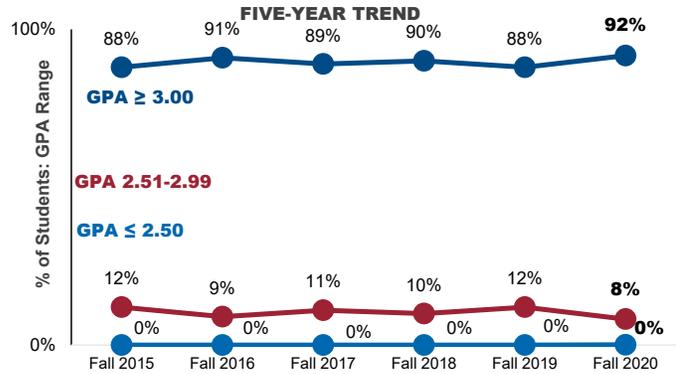
Average HS GPA in Fall 2020

▲ **0.06**

One-year nominal change (vs. Fall 2019)

▲ **0.12**

Five-year nominal change (vs. Fall 2015)



SAT SCORES OF FRESHMEN

1310

SAT Scores of Freshmen 75th Percentile in Fall 2020

▲ **10**

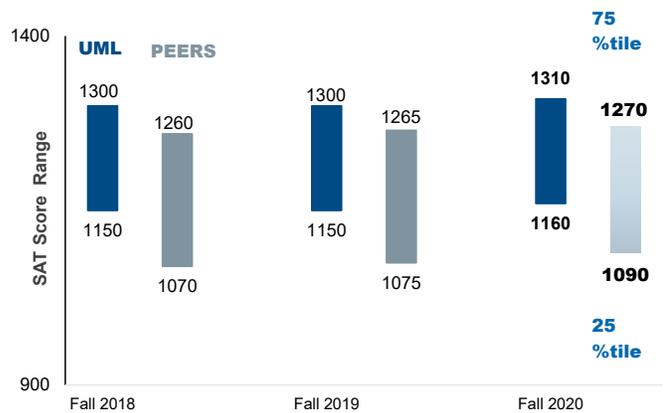
One-year nominal change (vs. Fall 2019)

1160

SAT Scores of Freshmen 25th Percentile in Fall 2020

▲ **10**

One-year nominal change (vs. Fall 2019)

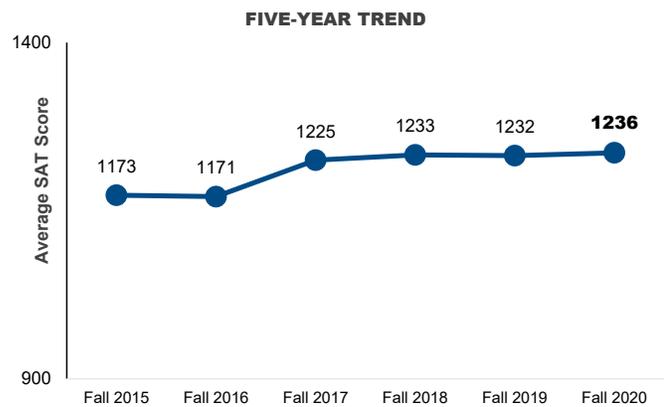


1236

Average SAT Scores of Freshmen in Fall 2020

▲ **4**

One-year nominal change (vs. Fall 2019)



ACADEMIC QUALITY

AVERAGE GPA OF ENTERING TRANSFER STUDENTS

3.24

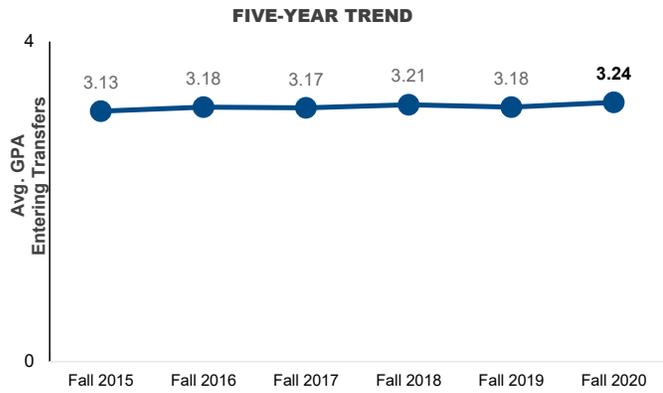
Average transfer GPA in Fall 2020

▲ 0.06

One-year nominal change (vs. Fall 2019)

▲ 0.11

Five-year nominal change (vs. Fall 2015)



STUDENT-FACULTY RATIO

19:1

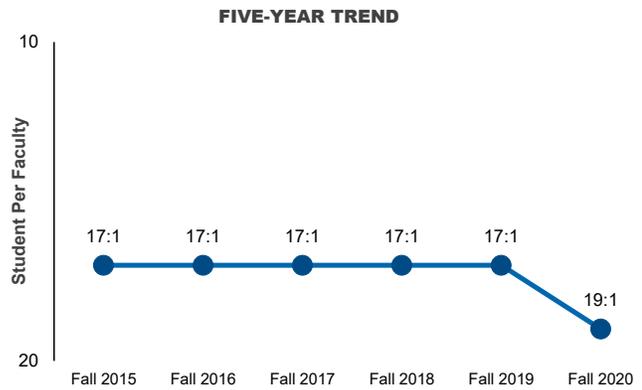
Student-Faculty Ratio in Fall 2020

▼ 2

One-year nominal change (vs. Fall 2019)

▼ 2

Five-year nominal change (vs. Fall 2015)



TECHNOLOGY-ENHANCED CLASSROOMS

193

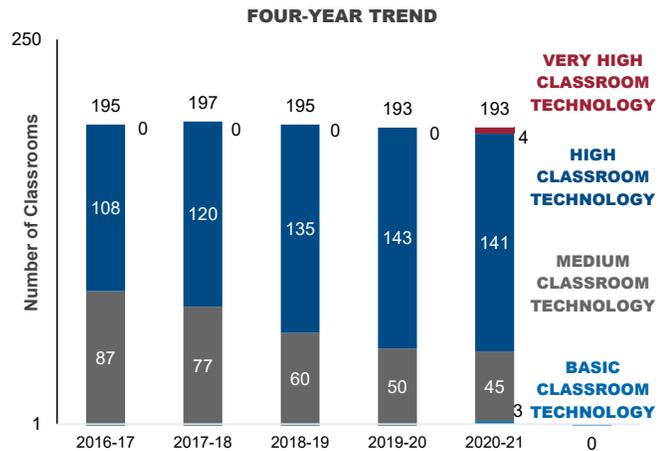
Total Technology Enhanced Classrooms in 2019-20

• 0%

One-year % change (vs. 2018-19)

▼ 1%

Four-year % change (vs. 2015-16)



ACADEMIC QUALITY

PERCENT TENURED/TENURE-TRACK FACULTY FTE

59%

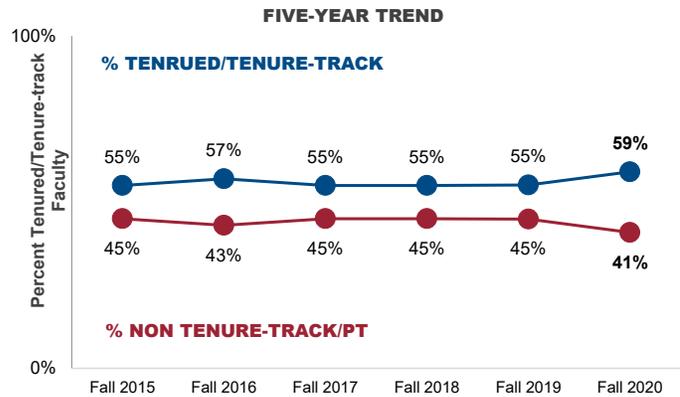
Percent Tenured/
Tenure-track Faculty
in Fall 2020

▲ 4

One-year
% point change
(vs. Fall 2019)

▲ 4

Five-year
% point change
(vs. Fall 2015)



FACULTY FTE

751

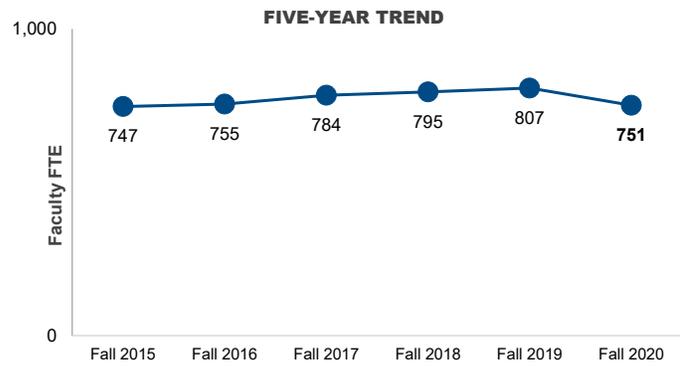
Faculty FTE
in Fall 2020

▼ 7%

One-year
% change
(vs. Fall 2019)

▲ 1%

Five-year
% change
(vs. Fall 2015)



FACULTY-OF-COLOR

173

Faculty Of Color
in Fall 2020

▼ 4

One-year
nominal change
(vs. Fall 2019)

▲ 40

Five-year
nominal change
(vs. Fall 2015)

28%

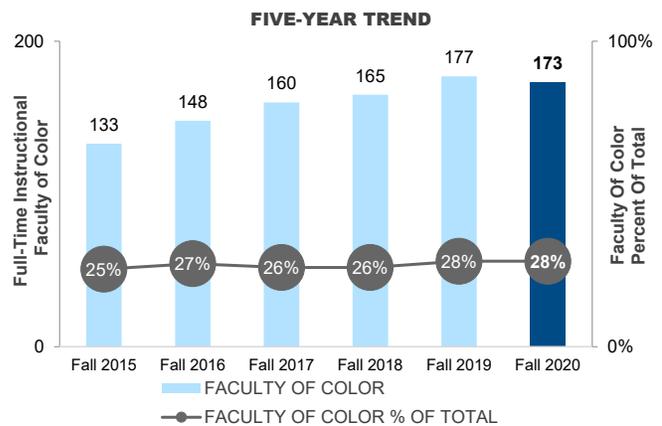
Percent of
Faculty Of Color
in Fall 2020

• 0

One-year
% point
(vs. Fall 2019)

▲ 3

Five-year
% point
(vs. Fall 2015)



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

ACADEMIC QUALITY

WOMEN FACULTY

283

Women Faculty in Fall 2020

▼ **5**

One-year nominal change (vs. Fall 2019)

▲ **42**

Five-year nominal change (vs. Fall 2015)

44%

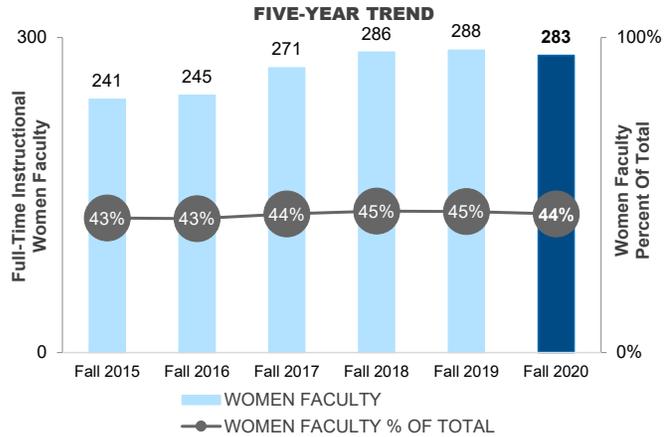
Percent of Women Faculty in Fall 2020

▼ **1**

One-year nominal change (vs. Fall 2019)

▲ **1**

Five-year nominal change (vs. Fall 2015)



FACULTY AWARDS

0

Faculty Awards in 2019

▼ **1**

One-year nominal change (vs. 2018)

▼ **1**

Five-year nominal change (vs. 2014)



Source : The Top American Research Universities

UNDERGRADUATES FROM MASSACHUSETTS

11,863

Undergraduates from Massachusetts in Fall 2020

▼ **2%**

One-year % change (vs. Fall 2019)

▲ **8%**

Five-year % change (vs. Fall 2015)

86%

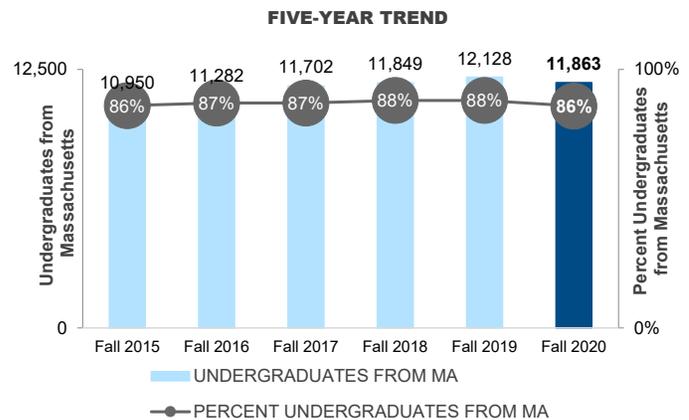
% Undergraduates from Massachusetts in Fall 2020

▼ **2**

One-year % point change (vs. Fall 2019)

▼ **1**

Five-year % point change (vs. Fall 2015)



ACCESS AND AFFORDABILITY

UNDERGRADUATE STUDENTS OF COLOR

4,933

Undergraduates
Students of Color
in Fall 2020

▲ 4%

One-year
% change
(vs. Fall 2019)

▲ 34%

Five-year
% change
(vs. Fall 2015)

36%

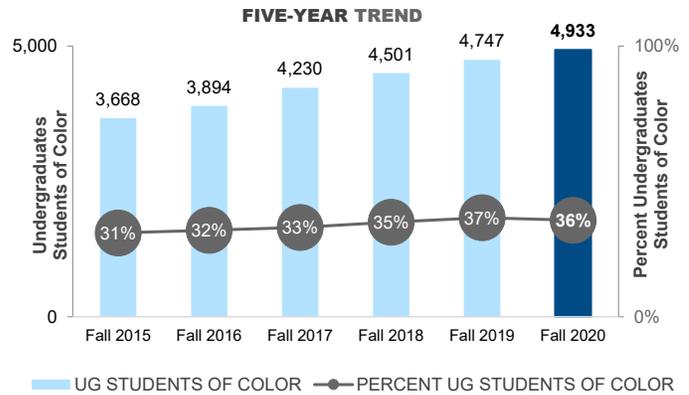
% Undergraduates
Students of Color
in Fall 2020

▼ 1

One-year
% point change
(vs. Fall 2019)

▲ 5

Five-year
% point change
(vs. Fall 2015)



UNDERGRADUATES WHO ARE INTERNATIONAL

404

International UG
Enrollment
in Fall 2020

▼ 21%

One-year
% change
(vs. Fall 2019)

▼ 29%

Five-year
% change
(vs. Fall 2015)

3%

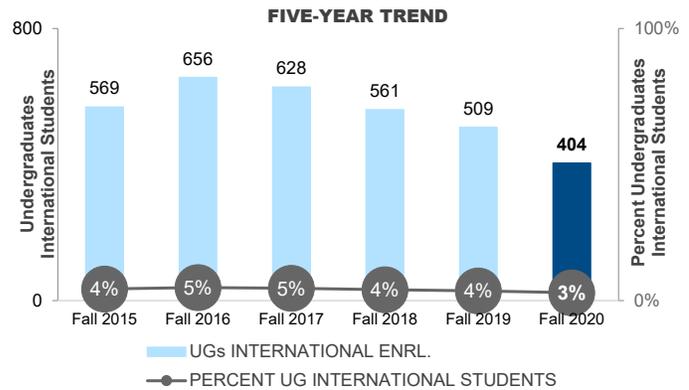
% International UG
Enrollment
in Fall 2020

▼ 1

One-year
% point change
(vs. Fall 2019)

▼ 1

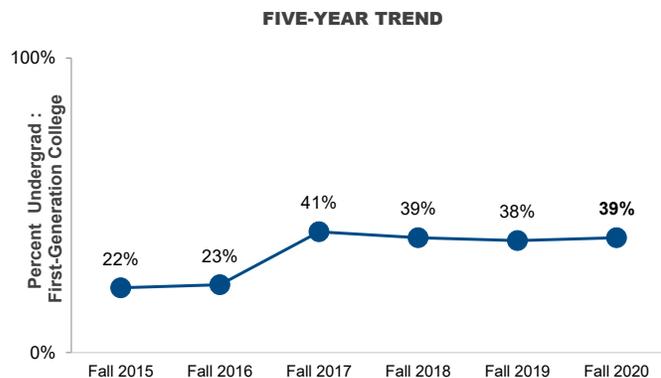
Five-year
% point change
(vs. Fall 2015)



PERCENT FIRST-TIME UNDERGRADUATES WHO ARE FIRST-GENERATION IN COLLEGE

39%

Percent first-time
Undergraduates
who are First-Generation
College in



*The data source from Fall 2018 updated to Common Application responses.

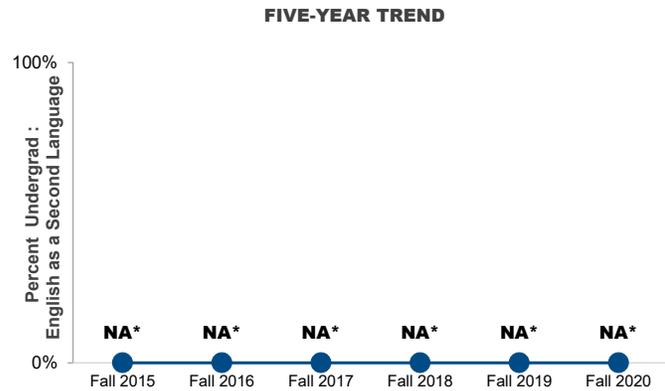
ACCESS AND AFFORDABILITY

PERCENT FIRST-TIME, FULL-TIME UNDERGRADUATES WITH ENGLISH AS A SECOND LANGUAGE

NA*

Percent Undergraduates
Speak English as a
Second Language
in Fall 2020

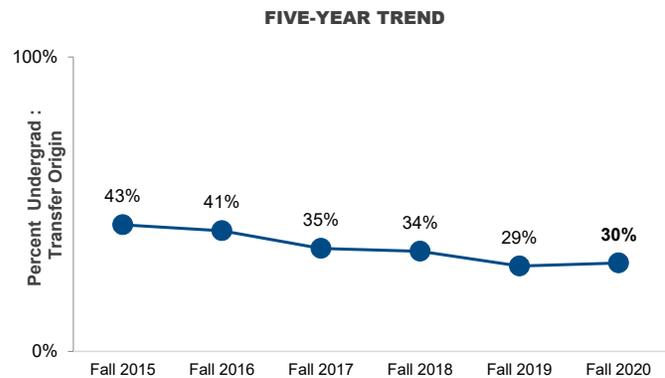
*The data source from Fall 2018 updated
to Common Application responses.



PERCENT UNDERGRADUATES WHO ARE OF TRANSFER ORIGIN

30%

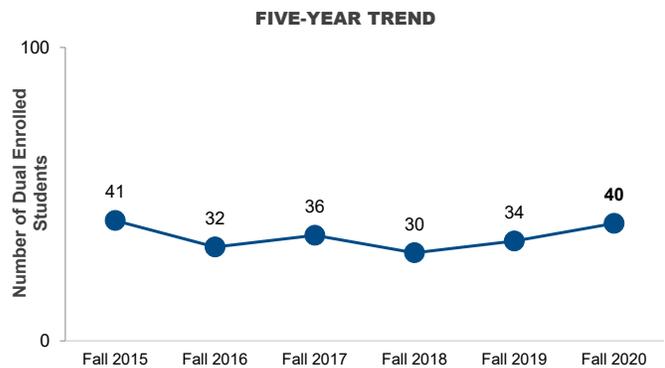
Percent Undergraduates
who are of Transfer-Origin
in Fall 2020



DUAL ENROLLMENT STUDENTS (HEADCOUNT)

40

Dual Enrolled
Students
in Fall 2020



ACCESS AND AFFORDABILITY

PERCENT IN-STATE PELL GRANT RECIPIENTS

31%

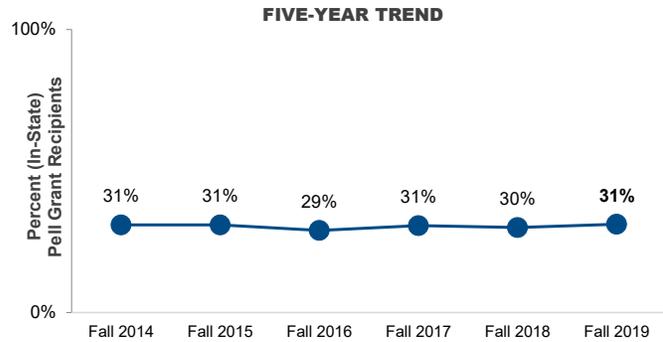
Percent (In-State) Pell Grant Recipients in Fall 2019

▲ 1

One-year % point change (vs. Fall 2018)

▲ 0

Five-year % point change (vs. Fall 2014)



PERCENT NEED MET FOR IN-STATE STUDENTS AWARDED NEED-BASED AID

88%

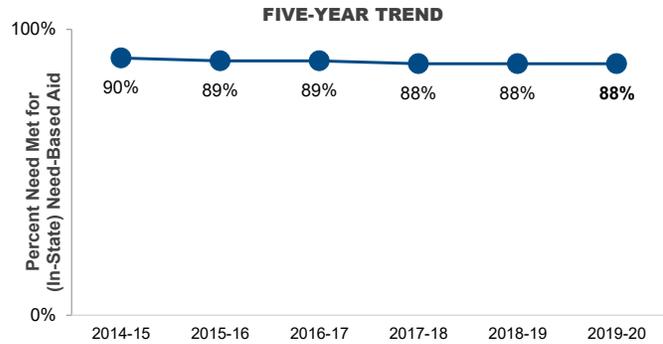
Percent Need Met for (In-State) Need-Based Aid in 2019-20

● 0

One-year % point change (vs. 2018-19)

▼ 2

Five-year % point change (vs. 2014-15)



UNDERGRADUATE STUDENT DEBT LOAD OF GRADUATING CLASS

\$33.5k

Average Debt Load in 2020

▲ 4%

One-year % change (vs. 2019)

▲ 8%

Five-year % change (vs. 2015)

73%

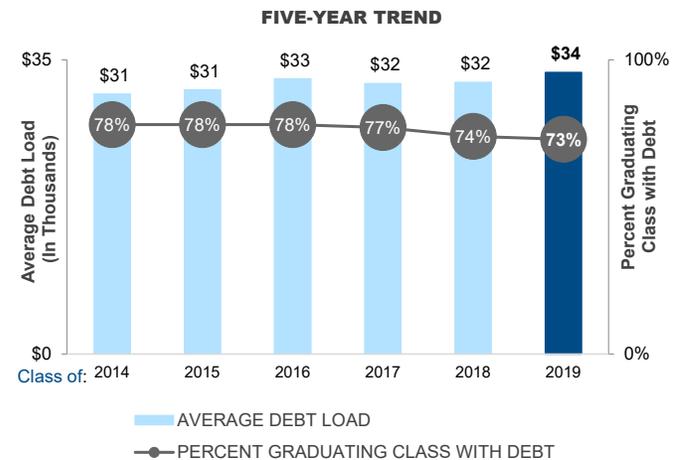
Percent Graduating Class with Debt in 2020

▼ 1

One-year % point change (vs. 2019)

▼ 5

Five-year % point change (vs. 2015)



ACCESS AND AFFORDABILITY

TOTAL STUDENTS WHO PARTICIPATED IN A STUDY ABROAD PROGRAM

168

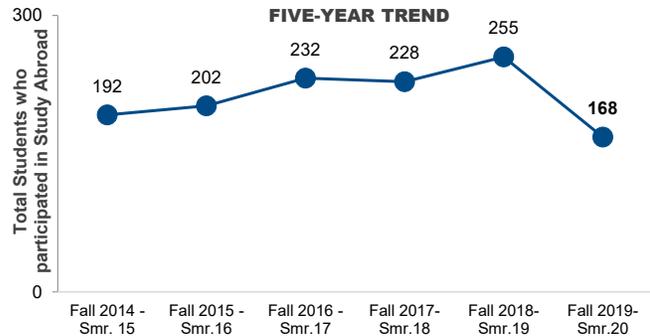
Students who participated in Study Abroad in Fall 2019-Smr.20

▼ **87**

One-year nominal change vs. Fall 2018-Smr.19

▼ **24**

Five-year nominal change vs Fall 2014 -Smr. 15



TOTAL ONLINE COURSE REGISTRATIONS

35,615

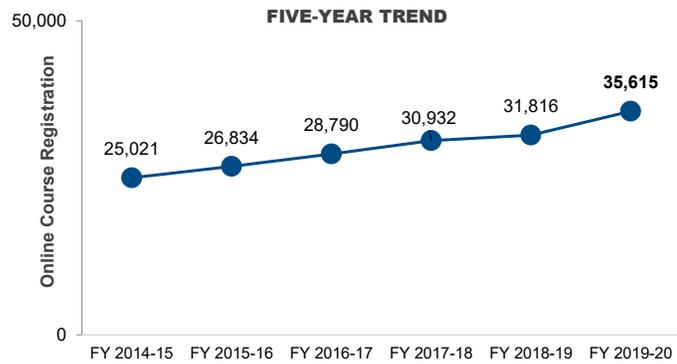
Online Course Registrations in FY 2019-20

▲ **12%**

One-year % change (vs. FY 2018-19)

▲ **42%**

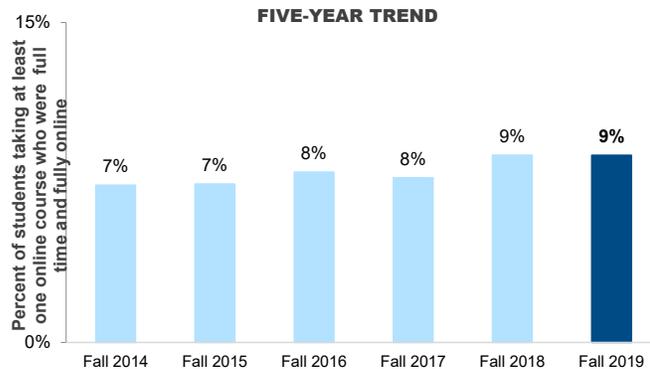
Five-year % change (vs. FY 2014-15)



PERCENTAGE OF DEGREE-SEEKING STUDENTS TAKING AT LEAST ONE ONLINE COURSE WHO WERE FULL TIME AND FULLY ONLINE

9%

Students taking at least one online course who were full time and fully online in Fall 2019



STUDENT SUCCESS AND SATISFACTION

FRESHMEN ONE-YEAR RETENTION RATE

84%

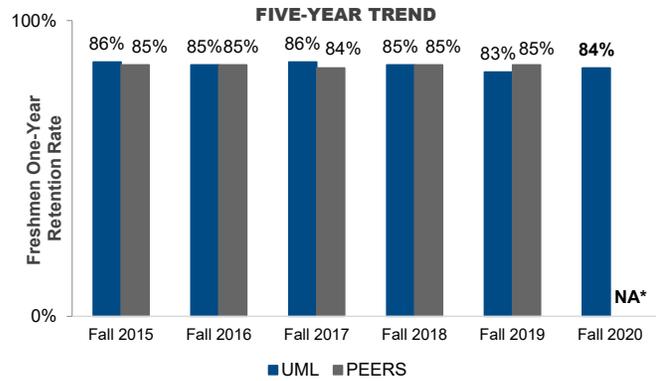
Freshmen One-Year Retention Rate in Fall 2020

▲ 1

One-year % point change (vs. Fall 2019)

▼ 2

Five-year point (vs. Fall 2015)



* Peer data for Fall 2020 not available for reporting purposes.

FRESHMEN FOUR-YEAR GRADUATION RATES

49%

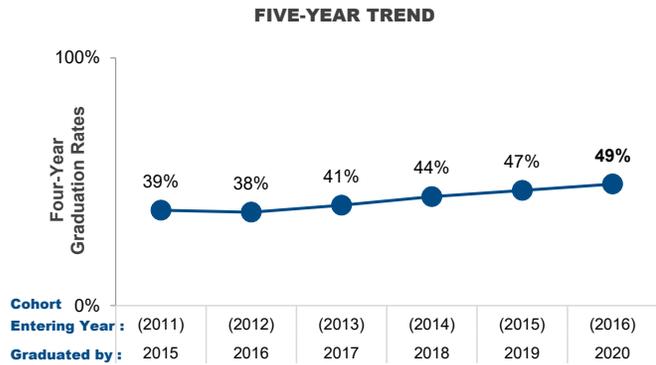
Freshmen Four-Year Graduation Rates in 2020

▲ 2

One-year % point change (vs. 2019)

▲ 10

Five-year % point change (vs. 2015)



Cohort	0%
Entering Year:	(2011) (2012) (2013) (2014) (2015) (2016)
Graduated by:	2015 2016 2017 2018 2019 2020

FRESHMEN SIX-YEAR GRADUATION RATE

69%

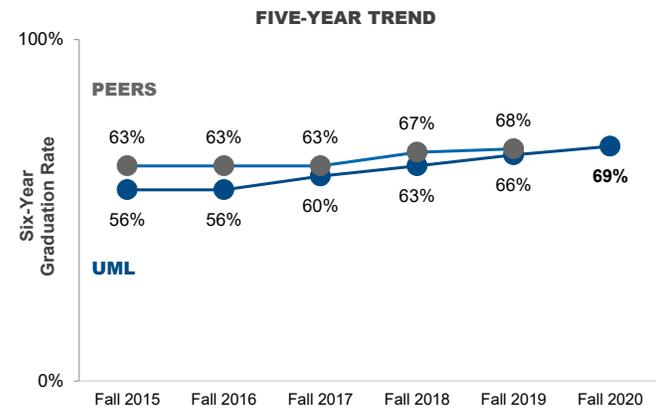
UML Freshmen Six-Year Graduation Rates in Fall 2020

▲ 3

One-year % point change (vs. Fall 2019)

▲ 13

Five-year % point change (vs. Fall 2015)



STUDENT SUCCESS AND SATISFACTION

TRANSFER (FULL-TIME) ONE-YEAR RETENTION RATE

82%

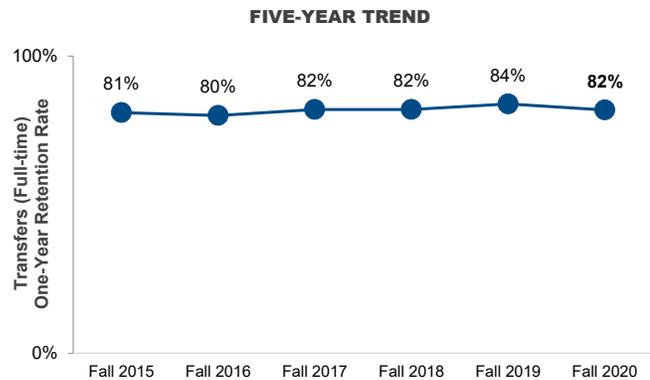
Transfers (Full-time)
One-Year
Retention Rate
in Fall 2020

▼ 2

One-year
% point change
(vs. Fall 2019)

▲ 1

Five-year
% point change
(vs. Fall 2015)



TRANSFER (UPPER DIVISION) FOUR-YEAR GRADUATION RATE

72%

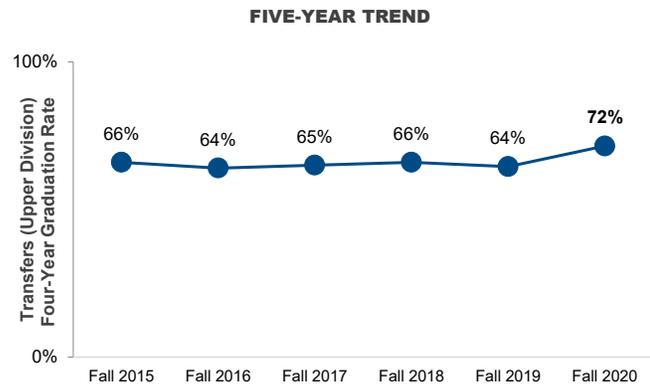
Transfers (Upper
Division) Four-Year
Graduation Rates
in Fall 2020

▲ 7

One-year
% point change
(vs. Fall 2019)

▲ 6

Five-year
% point change
(vs. Fall 2015)



STUDENT ACHIEVEMENT MEASURE

Cohort starting in : 2014-15

50%

Bachelor's Degree
Within 4 Yrs. from
any institution

73%

Bachelor's Degree
Within 5 Yrs. From
any institution

79%

Bachelor's Degree
Within 6 Yrs. From
any institution

44%

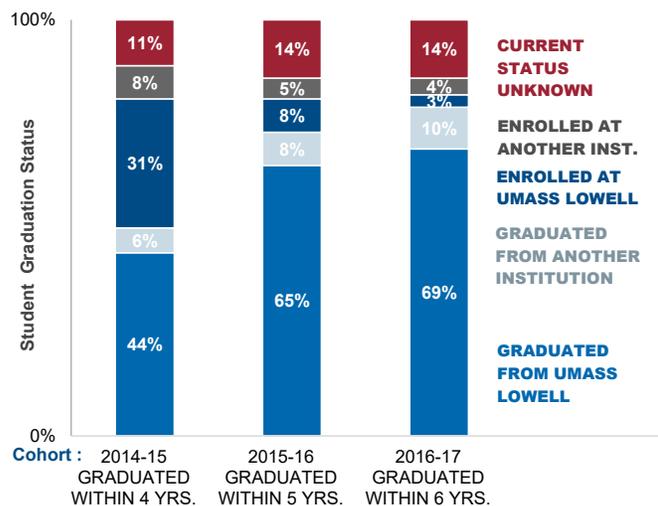
Bachelor's Degree
Within 4 Yrs. from
UMass Lowell

65%

Bachelor's Degree
Within 5 Yrs. From
UMass Lowell

69%

Bachelor's Degree
Within 6 Yrs. From
UMass Lowell



Source : Student Achievement Measure (SAM)

STUDENT SUCCESS AND SATISFACTION

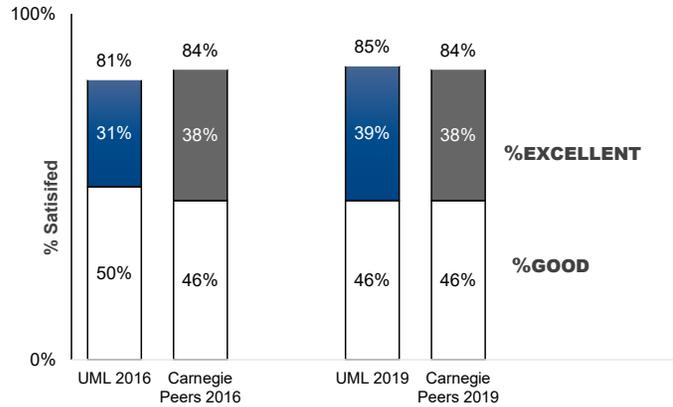
STUDENT SATISFACTION WITH EDUCATIONAL EXPERIENCE

85%

Student Satisfaction as Good or Excellent in UML 2019

▲ 4

Three-year % point change (vs. UML 2016)



ALUMNI PARTICIPATION RATE

8%

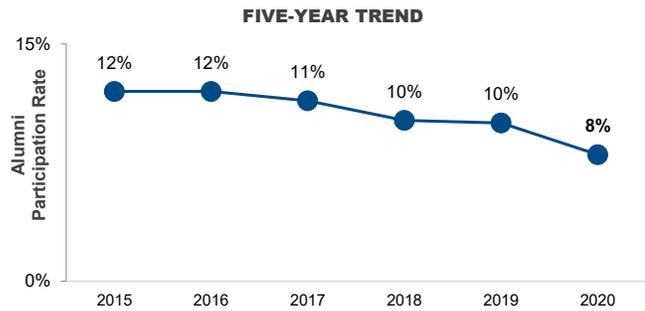
Alumni Participation Rate in 2020

▼ 2

One-year % point change (vs. 2019)

▼ 4

Five-year % point change (vs. 2015)



DEGREE COMPLETIONS

4,254

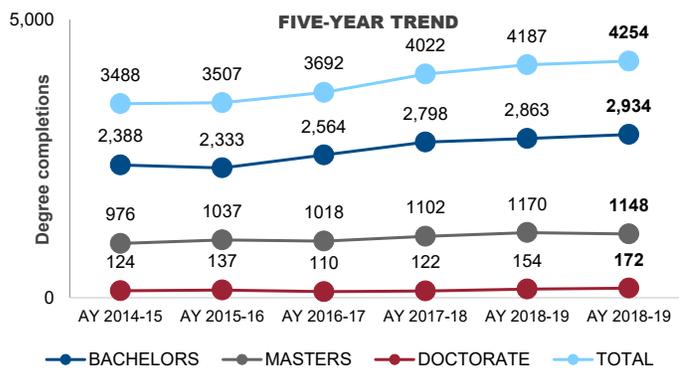
Total degree completions AY 2018-19

▲ 2%

One-year % change in total degree completions (vs. AY 2018-19)

▲ 22%

Five-year % change in total degree completions (vs. AY 2014-15)



SERVICE TO THE COMMONWEALTH

TOTAL R&D EXPENDITURES

\$92.2

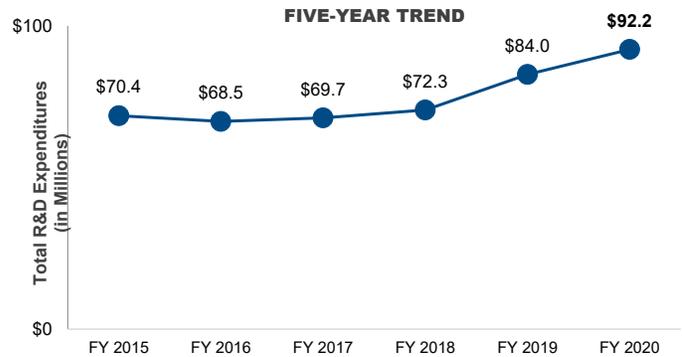
Million
in FY 2020

▲ 10%

One-year
% change
(vs. FY 2019)

▲ 31%

Five-year
% change
(vs. FY 2015)



TOTAL R&D EXPENDITURES RANKINGS

167

Total R&D Expenditures
Overall Rankings
in FY 2019

▲ 4

One-year
nominal change
(vs. FY 2018)

▲ 5

Five-year
nominal change
(vs. FY 2014)

14

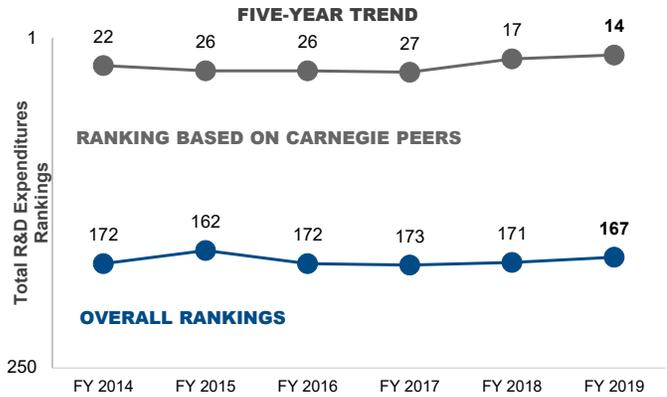
Rankings based on
Carnegie Peers
in FY 2019

▲ 3

One-year
nominal change
(vs. FY 2018)

▲ 8

Five-year
nominal change
(vs. FY 2014)



Overall Ranking Source: National Science Foundation Ranking by Total R&D Expenditures.

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

TOTAL R&D EXPENDITURES PER TENURED SYSTEM FACULTY

\$198k

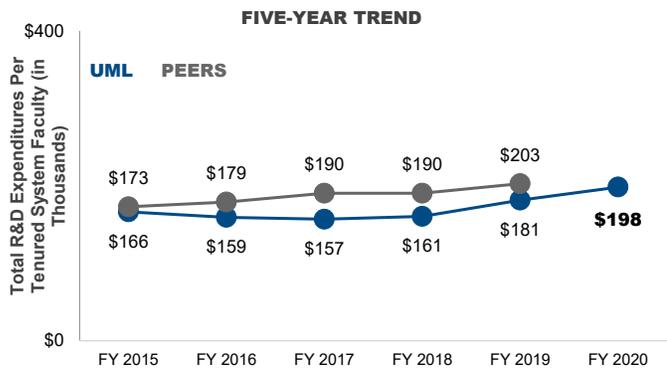
Total R&D Expenditure
Per Tenured
System Faculty
in FY 2020

▲ 9%

One-year
% change
(vs. FY 2019)

▲ 19%

Five-year
% change
(vs. FY 2015)



* Peer data for FY 2020 is currently not available.

SERVICE TO THE COMMONWEALTH

NUMBER OF PATENT APPLICATIONS

32

Patent Applications in FY 2020

▼ **3**

One-year nominal change (vs. FY 2019)

▲ **7**

Five-year nominal change (vs. FY 2015)



LICENSE INCOME

\$344k

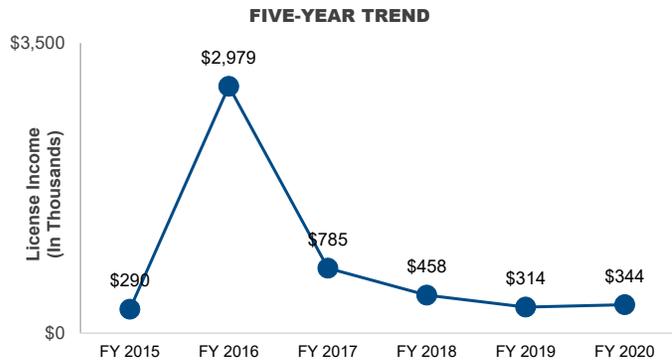
License Income in FY 2020

▲ **10%**

One-year % change (vs. FY 2019)

▲ **19%**

Five-year % change (vs. FY 2015)



PERCENT ALUMNI WHO LIVE IN MASSACHUSETTS

60%

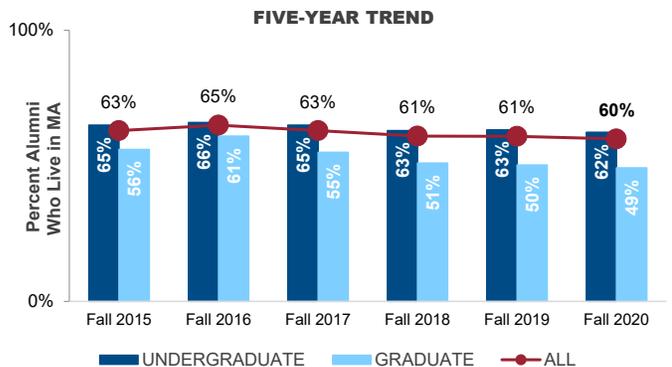
Of all UMass Alumni live in the Commonwealth in Fall 2020

▼ **1**

One-year % point change (vs. Fall 2019)

▼ **3**

Five-year % point change (vs. Fall 2015)



SERVICE TO THE COMMONWEALTH

DEGREES AWARDED IN STEM FIELDS

1,224

UG degrees awarded in STEM fields in 2019-20

▼ 2%

One-year % change (vs. 2018-19)

▲ 42%

Five-year % change (vs. 2014-15)

41%

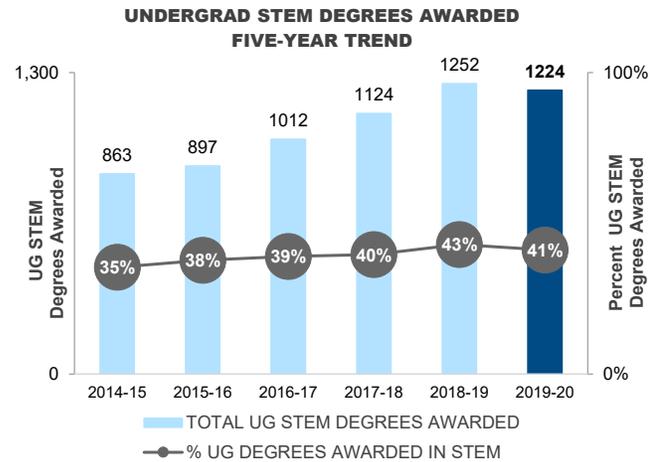
Percent of total UG degrees awarded in STEM fields in 2019-20

▼ 2

One-year % point change (vs. 2018-19)

▲ 6

Five-year % point change (vs. 2014-15)



447

Grad degrees awarded in STEM fields in 2019-20

▼ 9%

One-year % change (vs. 2018-19)

▼ 3%

Five-year % change (vs. 2014-15)

34%

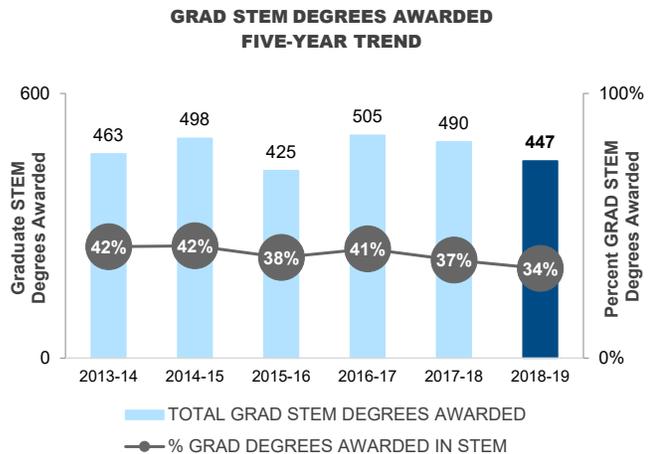
Percent of total Grad degrees awarded in STEM fields in 2019-20

▼ 3

One-year % point change (vs. 2018-19)

▼ 8

Five-year % point change (vs. 2014-15)



1,671

Total degrees awarded in STEM fields in 2019-20

▼ 4%

One-year % change (vs. 2018-19)

▲ 26%

Five-year % change (vs. 2014-15)

39%

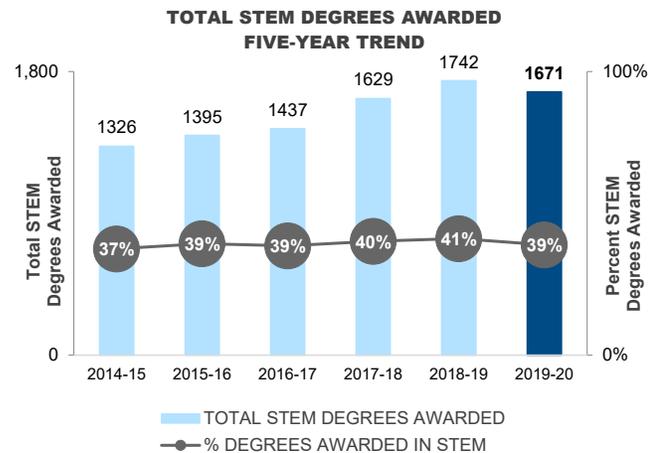
Percent of Total degrees awarded in STEM fields in 2019-20

▼ 2

One-year % point change (vs. 2018-19)

▲ 1

Five-year % point change (vs. 2014-15)



SERVICE TO THE COMMONWEALTH

CERTIFICATES AWARDED IN STEM FIELDS

129

Total Certificates awarded in STEM fields in 2019-20

▼ 29

One-year nominal change (vs. 2018-19)

▲ 2

Five-year nominal change (vs. 2014-15)

30%

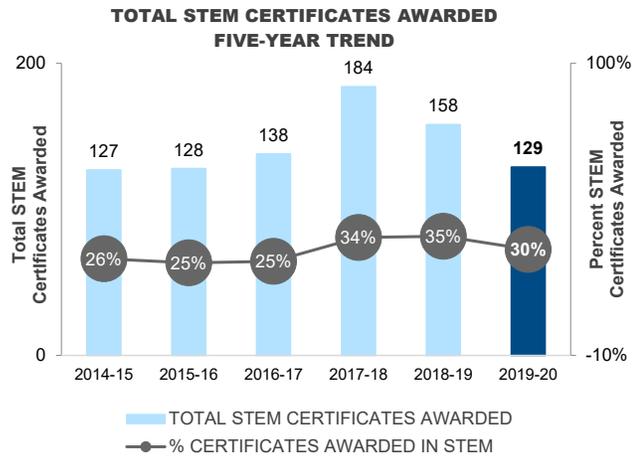
Percent of Total Certificates awarded in STEM fields in 2019-20

▼ 5

One-year % point change (vs. 2018-19)

▲ 4

Five-year % point change (vs. 2014-15)



DEGREES AWARDED IN HEALTHCARE FIELDS

467

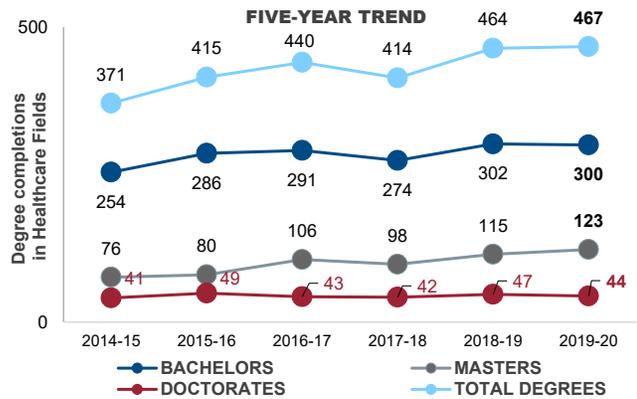
Total degrees awarded in HealthCare fields in 2019-20

▲ 1%

One-year % point change (vs. 2018-19)

▲ 26%

Five-year % point change (vs. 2014-15)



CERTIFICATES AWARDED IN HEALTHCARE FIELDS

55

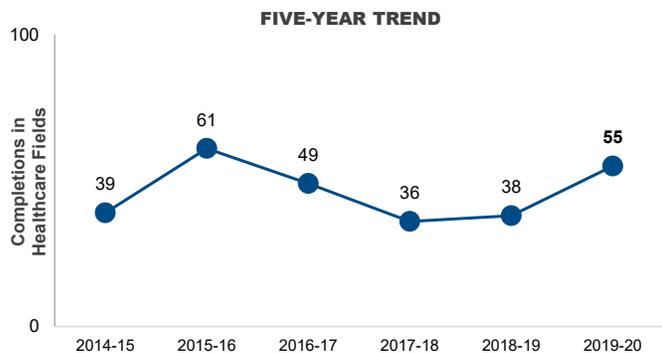
Total Certificates awarded in HealthCare fields in 2019-20

▲ 45%

One-year % point change (vs. 2018-19)

▲ 41%

Five-year % point change (vs. 2014-15)



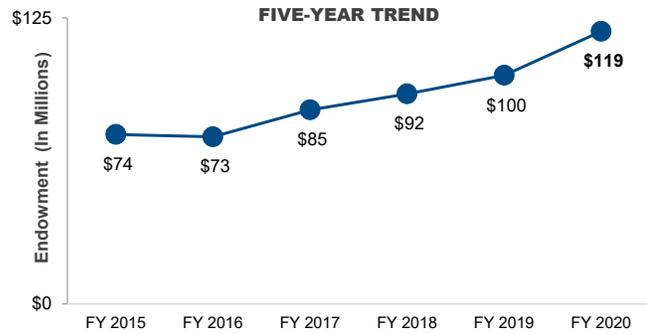
FINANCIAL HEALTH

ENDOWMENT ASSETS AND ANNUAL GROWTH IN ENDOWMENT

\$119M
Endowment Assets
in FY 2020

▲ 19%
One-year
% change
(vs. FY 2019)

▲ 61%
Five-year
% change
(vs. FY 2015)

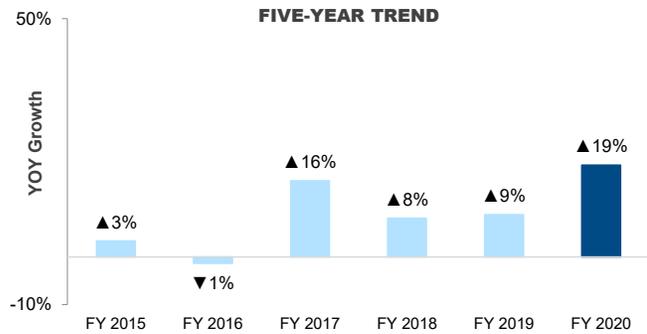


ENDOWMENT ASSETS AND ANNUAL GROWTH IN ENDOWMENT

19%
Annual Growth
in FY 2020

▲ 10
One-year
% point change
(vs. FY 2019)

▲ 16
Five-year
% point change
(vs. FY 2015)

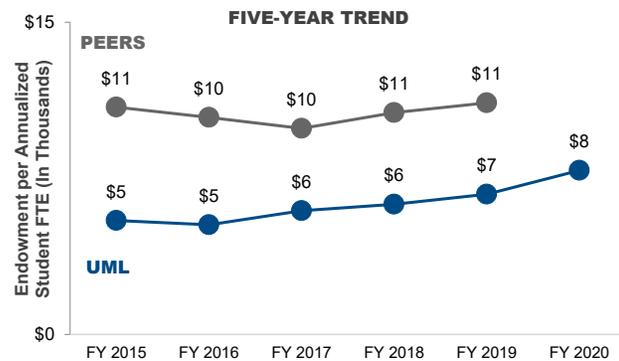


ENDOWMENT PER ANNUALIZED STUDENT FTE

\$7.9k
Endowment per Annualized
Student FTE
in FY 2020

▲ 17%
One-year
% change
(vs. FY 2019)

▲ 44%
Five-year
% change
(vs. FY 2015)



* Peer data for FY 2020 not available for reporting purposes.

FINANCIAL HEALTH

PRIVATE FUNDS RAISED ANNUALLY

\$21.2M

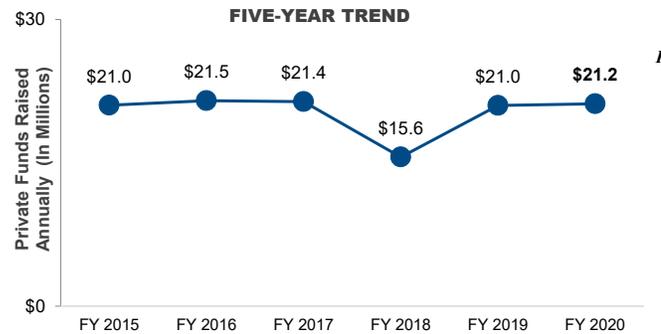
Private Funds Raised Annually in FY 2020

▲ 1%

One-year % change (vs. FY 2019)

▲ 1%

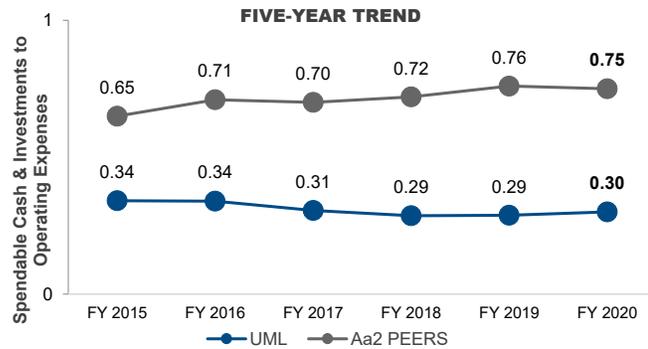
Five-year % change (vs. FY 2015)



SPENDABLE CASH & INVESTMENTS TO OPERATING EXPENSES

0.30

Spendable Cash & Investments to Operating Expenses in FY 2020



DEBT SERVICE BURDEN

6.8%

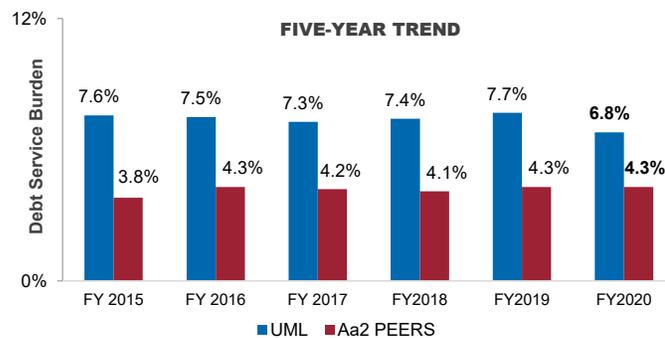
Debt Service Burden in FY2020

▼ 0.9

One-year % Point change (vs. FY2019)

▼ 0.8

Five-year % Point change (vs. FY 2015)



FINANCIAL HEALTH

OPERATING MARGIN (%)

-0.6%

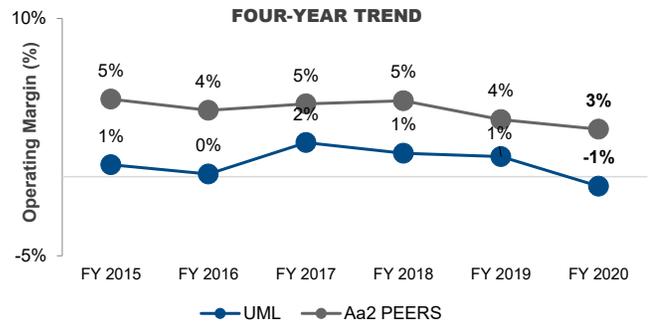
Operating Margin (%)
in FY 2020

▼ 1.9

One-year
% Point change
(vs. FY 2019)

▼ 1.4

Five-year
% Point change
(vs. FY 2016)



DEFINITIONS AND SOURCES

ACADEMIC QUALITY INDICATORS

Average High School GPA of First-Time

Freshmen. Cumulative GPA for college prep courses with additional weight to honors and AP courses, according to DHE admissions policy, reported on all first-time students.

SAT Scores of Freshmen. SAT scores of Freshmen. All reported SAT scores are based on the sum of the SAT MSS and the ERWS for entering freshmen. A redesigned SAT was used for Fall 2017 admissions; therefore, scores for Fall 2016 and before cannot be compared to scores for Fall 2017 and later. The average is the arithmetic mean of these SAT scores. Peer data are from IPEDS.

Average GPA of Entering Transfer Students.

Average Cumulative GPA of entering transfer students according to DHE 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.

Technology-Enhanced Classrooms.

Classification of the campus's total classroom capacity in terms of the level of technology-support.

Percent Tenured/Tenure-Track Faculty (FTE).

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

Faculty FTE. Definition of Faculty FTE is per the Common Data Set, and includes all faculty teaching credit courses, including credit courses offered via Continuing Education.

Faculty-of-Color. 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.

Women 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.

ACCESS AND AFFORDABILITY INDICATORS

Percentage Undergraduates from

Massachusetts. Percentage of total undergraduate students who are "In State" or residents of Massachusetts based on tuition residency. For state-supported (day) students, tuition classification is used, whereas for CPE students, the actual residency at time of matriculation is used.

Percent Undergraduates who are Students of Color. Undergraduates who self-identify as either African American/Black, Hispanic/ Latino, Asian, Hawaiian/Pacific Islander, American Indian/Alaskan Native, and/or Two or more races. Hispanic students who list one or more additional

groups will be coded as Hispanic. Cape Verdean students who identify solely as Cape Verdean will be coded as Not Reported. Included only for U.S. Citizens and Permanent Residents who report race and ethnicity divided by total undergraduate U.S. citizens and permanent residents who report race/ethnicity.

Percent Undergraduates who are

International. Percentage of all undergraduates who are non-resident aliens, studying at the university on an eligible visa types, and enrolled in credit courses. Does not include permanent residents, refugees, or US citizens.

DEFINITIONS AND SOURCES

ACCESS AND AFFORDABILITY INDICATORS

Percent Undergraduates who are First Generation in College. Percent of first-time, full-time undergraduates where neither parent has earned a bachelor's degree. The source of this data field is the Common Application.

Percent first-time, full-time Undergraduates with English as a Second Language. Percent of first-time, full-time undergraduates who speak another language at home. The source of this data field will be from the Common Application.

Percent Undergraduates Who Are of Transfer Origin. Percent of all currently enrolled bachelor's degree-seeking undergraduate students who were admitted as transfer students at the institution.

Dual Enrollment Students (Headcount). Headcount of current non-Degree dual-enrolled students on campus.

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 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 Student Debt Load of Graduating Class (UG). Average debt load is based on the total debt borrowed by an Institution's graduating class (bachelor's, first-time only) divided by the number of students of that cohort that carried any

amount of debt. It does not include those students with no debt load. It does not include students who have transferred in. The graduating class includes those that graduated between July 1 and June 30 of the reporting year. Data is from CDS.

Percent Graduating Class with Debt (UG). The total number of students in the graduating class (bachelor's, first-time only) that carried a debt load at the institution divided by the total number of graduating (bachelor's, first-time only) students in that institution. It does not include students who have transferred in. The graduating class includes those that graduated between July 1 and June 30 of the reporting year. Data is from CDS.

Number of Students who Participated in a Study Abroad Program. Number of students who participated in a credit-bearing study abroad program outside of the U.S. over the most recent academic year, either at UMass or elsewhere.

Online Course Registrations. 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 courses only offered via UMassOnline.

Percentage of degree-seeking students taking at least one online course who were full time and fully online. Metric calculated using the formula below. Data from fall student headcount of degree-seeking students, split by full-time and part-time status, who fall into the following categories: Enrolled exclusively in online courses; Enrolled in at least one, but not all, online courses; and Not enrolled in any online courses. (As per IPEDS definition).
(Full time Enrolled exclusively in online courses) / (Full time Enrolled in at least one, but not all, online courses + Full time Enrolled exclusively in online courses + part-time Enrolled in at least one, but not all, online courses + part-time Enrolled exclusively in online courses).

STUDENT SUCCESS AND SATISFACTION INDICATORS

Freshmen One-Year Retention Rate. Percent of first-time, full-time, degree-seeking freshmen who

entered UMass in a given Fall and were still enrolled at the institution in the following Fall. Peer data as reported to IPEDS.

DEFINITIONS AND SOURCES

STUDENT SUCCESS AND SATISFACTION INDICATORS

Freshmen Four-Year Graduation Rate.

Percent of first-time, full-time, degree-seeking freshmen who entered UMass in a given Fall term and graduated from the institution by the end of their fourth year. Associates degree and CPE students are excluded.

Freshmen Six-Year Graduation Rate.

Percent of first-time, full-time freshmen who entered UMass in a given Fall term and had graduated from the institution within six years. Peer data are based on median as reported to IPEDS. Associates degree and CPE students are excluded.

Transfer (Full-Time) One-Year Retention

Rate. Percent of full-time transfer students at any level who entered UMass in a given Fall and were still enrolled at, or graduated from the institution as of the following Fall.

Transfer (Upper-Division) Four-Year

Graduation Rate. Percent of full-time upper division transfers (60+ credits) who entered UMass in a given Fall term and had graduated from the institution within four years.

Student Achievement Measure. SAM tracks student movement across postsecondary institutions to provide a more complete picture of undergraduate student progress and completion within the higher education system. SAM is an alternative to the federal graduation rate, which is limited to tracking the completion of first-time, full-time students at one institution.

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 most recently conducted National Survey of Student Engagement (NSSE).

Alumni Participation Rate. The 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. Graduates who earned only a graduate degree are excluded.

SERVICE TO THE COMMONWEALTH INDICATORS

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

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.

Total R&D Expenditures Ranking. Annual NSF ranking of Total R&D expenditures, for all postsecondary institutions participating in the NSF HERD Survey. 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 “Highest Research” and

with no medical school. Data source NCES WebCaspar/NSF HERD data tables.

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 by NSF and IPEDS.

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

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

DEFINITIONS AND SOURCES

SERVICE TO THE COMMONWEALTH INDICATORS

Percent Alumni who Live in

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

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. Number of undergraduate and graduate degrees awarded in Health Care 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.

FINANCIAL HEALTH INDICATORS

Endowment Assets and Annual Growth in

Endowment. The total value of the endowment (includes true and quasi-endowments) at the end of the fiscal year as reported in the UMass Annual BOT report, and the percent change from previous year. Comparative data are from IPEDS, financial statements, and the NACUBO survey.

Endowment per Annualized Student FTE.

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

Spendable Cash & Investments to

Operating Expenses. Measures the extent to which the University can rely on wealth that can be accessed over time or for a specific purpose to operate.

Debt Service to Operations. Debt service as a percentage of total operating expenditures (operating expenditures plus interest expense). Peer data are from published financial statements.

Operating Margin (%). Indicates the excess margin (or deficit) by which annual revenues cover annual expenses (excluding unrealized gains or losses)

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

DEFINITIONS AND SOURCES

PEER INSTITUTIONS FOR UMASS LOWELL

Moody's Aa2 Peers

Alamo Community College District, TX
Arizona State University, AZ
Auburn University, AL
Board of Regents of The University System of Georgia, GA
California State University, CA
City University of New York, NY
Clemson University, SC
Cuyahoga Community College District, OH
University of Alabama, AL
University of Arizona, AZ
University of Arkansas, AR
University of California, CA
University of Florida, FL
University of Georgia, GA
University of Hawaii, HI
University of Houston System, TX
University of Kansas, KS
University of Kentucky, KY
University of Massachusetts, MA
University of North Texas System, TX
University of Oregon, OR
University of South Carolina, SC
University of Wyoming, WY

Florida State University, FL
Houston Community College System, TX
Iowa State University of Science & Technology, IA
Michigan State University, MI
Mississippi Institutions of Higher Learning, MS
Nevada System of Higher Education, NV
State University of New York, NY
State University System of Florida, FL
Texas State University System, TX
University of Alabama at Birmingham, AL



CHAN MEDICAL SCHOOL

HEADLINES

The Medical School currently enjoys a position of stability and promise as it executes to its strategic vision, buoyed in no small measure by the transformational \$175 philanthropic commitment made by The Morningside Foundation in 2021. This unrestricted endowment gift, to be paid over five years, is a significant validation of the approach taken to investments in research programs, the educational mission and importantly, faculty and student recruitment and retention. The campus – now UMass Chan Medical School – continues to adjust nimbly to the ongoing challenges of the COVID-19 pandemic while performing effectively in its mission areas.

While the COVID-19 pandemic initially had profound effects on the campus operational, educational and research environment, including new constraints on service and education delivery, UMass Chan Medical School continues to achieve exceptional successes in research, academic programming, and fundraising initiatives.

The Morningside Foundation commitment will catalyze a number of initiatives already outlined in the campus strategic plan, especially investments in the educational program, the research enterprise, workforce development, information technology, and organizational development. It is important to emphasize that a revitalized and sincere commitment to diversity in action is foundational to every element of the plan.

Goals for IMPACT 2025 commit UMass Chan Medical School to:

- Advance practice, learning and leading by engaging fully with our communities to be the destination of choice for learners interested in interprofessional, team-based care and biomedical entrepreneurship;
- Enable the engine of discovery to generate groundbreaking scientific knowledge, with continued focus on areas of world-class strength;
- Measurably improve the health and welfare of the residents of Massachusetts and the citizens of the world by investing in an enhanced social mission that engages community partners, advances health equity research and promotes public health interventions for the benefit of those greatest in need;
- Enhance innovation and increase impact by advancing the science of translation and channeling more discoveries into development and practice;
- Establish models for outstanding support services, vibrant working environments, and highly efficient infrastructure to propel UMass Chan to new heights.

The campus is well positioned for this new vision, as research and faculty achievement and intense efforts in resource maximization and operational efficiencies continue. Exceptional achievements in research, including grants totaling more than \$100 million for the development of new testing technologies for viruses like COVID-19, have grown extramurally funded research to more than \$400 million and made the institution a magnet for high-achieving faculty. The new Education and Research Building under construction on the Worcester campus will support more than 75 research labs and programs in genetics, neurotherapeutics, gene therapy and molecular medicine. A new outpatient facility for the care of veterans will open in late fall of 2021, increasing teaching and learning opportunities and providing new services for the VA patient population.

Ongoing and active efforts to prioritize educational and research initiatives continue, but an unyielding commitment to education, research, service, innovation, and training remains the hallmark of the commonwealth's great public medical school.

The impact of COVID-19 on the campus research and teaching enterprise has required continued adjustments, which likely will persist during the next academic year. While many research labs limited activity during the height of the pandemic, nearly two dozen research programs specifically focused on coronavirus research and therapeutic development were established and aggressively moved forward. In parallel, educational leadership in all three schools modified teaching, learning and evaluation practices to accommodate alternative learning modalities: all students expected to graduate were able to successfully complete their work and receive their diplomas.

Licensing of the medical school's intellectual property reflects keen national and international interest in the work of the faculty;

HEADLINES

this year will see advances in clinical trials for several neurodegenerative diseases once thought intractable to treatment and an expansion of a clinical trial for an antibody prophylaxis for Lyme disease that may usher in a new approach to preventive therapeutics. UMass Chan Medical School researchers continue to compete at an exceptionally high level for federal funding, even in a shrinking federal research pool and attract investment from a wide range of new and long-established biotechnology research and manufacturing entities.

- **Academic quality:** UMass Chan Medical School continues to attract outstanding students to the newly named T.H. Chan School of Medicine, as judged by admission test scores, residency match results, and performance on licensing exams, even in a time of unusual upheaval and uncertainty; the quality of the incoming class remains on a par with previous years. The increase in class size has been successful, increasing the number of physicians in training with no negative impact on student quality, performance, or satisfaction. The applicant pool for the limited number of spaces for highly qualified out-of-state students is robust; the “Population-based Urban and Rural Community Health” (PURCH) track students are distinguished by their passion for this targeted curricular offering. Medical School graduates continue to rank their educational experience as highly satisfactory - literally in the 100th percentile in some categories. Agreements with Baystate Health (for PURCH) and Cape Cod Healthcare not only create superb clinical opportunities for medical students but increase the school’s profile in new regions. The newly named Tan Chingfen Graduate School of Nursing 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 practice, research, and education for the campus and the region. The newly named Morningside Graduate School of Biomedical Sciences continues to track favorably to peer institutions; the school is recognized for its efforts to prepare students for nontraditional and multidisciplinary careers, a nationally-renowned effort; a new dean is deeply versed in the opportunities this provides for graduates.

- **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 RNA therapeutics, systems biology, rare diseases, and neurosciences are creating exciting opportunities for research growth and faculty recruitment. Licensing and sponsored research agreements in gene therapy, vaccine development, RNA biology, and drug development support research activity across all basic science disciplines.

- **Crucial to the continued success of the Medical School** is the ability to attract high-quality students who will be able to meet the diverse cultural needs of underserved populations in the state. For the T.H. Chan School of Medicine, applicants are incredibly 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. Out-of-state students compare favorably to historical student profiles.

- **Anecdotal evidence**, such as rankings in the *US News & World Report* “Best Graduate Schools” continues to reinforce the reputation of the Medical School as a high quality, affordable institution: the 2021 *US News* ranking places the T.H. Chan School of Medicine 10th in the nation for primary care; and 45th among research institutions. UMass Chan Medical School also ranked 21st among all US medical schools in NIH funding, according to the Blue Ridge Institute for Medical Research. 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.

UMass Chan Medical School, like all institutions in the coming year, will face unknowable challenges and decisions in the face of the COVID-19 pandemic; as a consequence, the campus expects likewise to confront challenging decisions in financing the support of strategic priorities. The Morningside Foundation gift, in addition to creating a foundation for campus success far into the future, is also a clear and tangible vote of confidence in the campus direction, leadership, strategic plan and ability to impact human health. As achievements and

HEADLINES

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 - the campus remains exceptionally well-positioned to respond.

AT-A-GLANCE

ACADEMIC QUALITY

• Mean MCAT Score	513.7	• Full-Time Instructional Faculty	
• USMLE Step 1 Pass Rate	99%	• Percent Faculty-of-Color	30%
• <i>USMLE Step 2 (CK) Pass Rate</i>	99%	• Percent Women Faculty	43%
• USMLE Step 2 (CS) Pass Rate	97%	• Faculty Awards	9
• Nursing Board Certification Pass Rate	87%	• NIH Funding among Medical Schools	\$294,147
• Technology-Enhanced Classrooms	77	• US New & World Report Ranking	10
• Percent Tenured/Tenure-Track Faculty FTE	17%		
• Faculty FTE	1,095		

ACCESS AND AFFORDABILITY

• Graduates From Massachusetts	868	• Graduates Who Are International	112
• Graduate Students Of Color	397	• Tuition and Fees	\$38,661

STUDENT SUCCESS AND SATISFACTION

• Residency Choice Acceptance Rate	92%	• Alumni Participation Rate	25%
• Student Satisfaction with Medical Education Quality	96%ile		

SERVICE TO THE COMMONWEALTH

• Degree Completions	272	• Patent Applications	126
<i>Master's</i>	48	• License Income	\$25,600
<i>Doctorates</i>	224	• Percent Alumni who Remain in MA	54%
• Total R&D Expenditures	\$279M	• Degrees Awarded in STEM Fields	52
• Total R&D Expenditures Ranking	87	• Degrees Awarded in Healthcare Fields	220

AT-A-GLANCE

FINANCIAL HEALTH

• Total Endowment	\$346.4M	• Debt Service Burden	4.9%
• Annual Growth in Endowment	17.2%	• Operating Margin (%)	3.0%
• Endowment per Annualized Student FTE (Includes SOM, GSBS, & GSN)	\$292,226	• Spendable Cash & Investments to Operating Expenses	0.48
• Private Funds Raised Annually	\$43.5M		

ACADEMIC QUALITY

MEAN MCAT SCORE

514

Average Score
for MCATs
in Fall 2020

▼ **0.0%**

One-year
% change
(vs. Fall 2019)

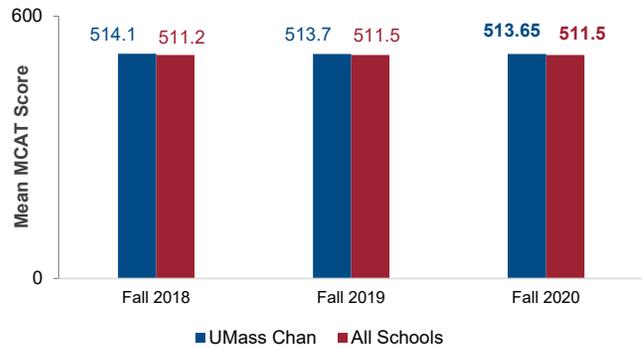
▼ **0.1%**

Two-year
% change
(vs. Fall 2018)

Peer Source: AAMC Medical Schools.

Note: * Given transition from old to new score system, new scores are available in 2016-2019 only.

TWO-YEAR TREND



PASS RATES ON USMLE STEP 1 AND STEP 2 (CK)

99%

Pass Rate for
USMLE Step 1
in 2021

▼ **1**

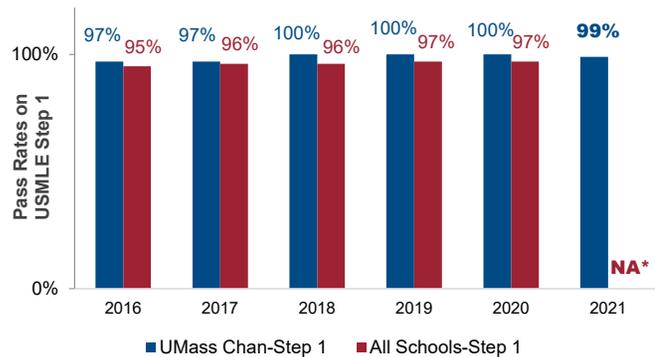
One-year
% Point change
(vs. 2020)

▲ **2**

Five-year
% Point change
(vs. 2016)

2021 All Med. Schools data is not available

FIVE-YEAR TREND



Source - National Board of Medical Examiners: Performance of Examinees.

99%

Pass Rate for
USMLE Step 2 (CK)
in AY 2020-21

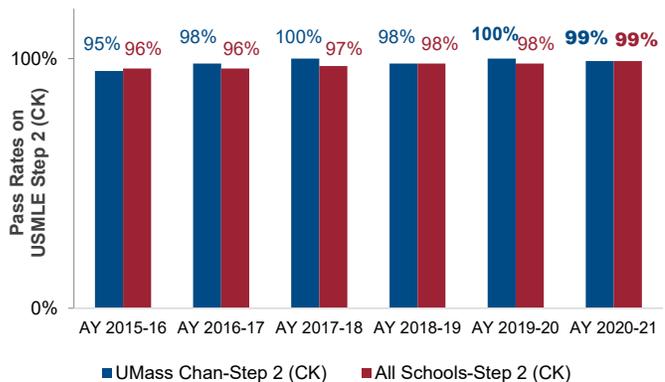
▼ **1**

One-year
% Point change
(vs. AY 2019-20)

▲ **4**

Five-year
% Point change
(vs. AY 2015-16)

FIVE-YEAR TREND



Source - National Board of Medical Examiners: Performance of Examinees.

ACADEMIC QUALITY

PASS RATES ON USMLE STEP 2 (CS)

97%

Pass Rate for USMLE Step 2 (CS) in AY 2019-20

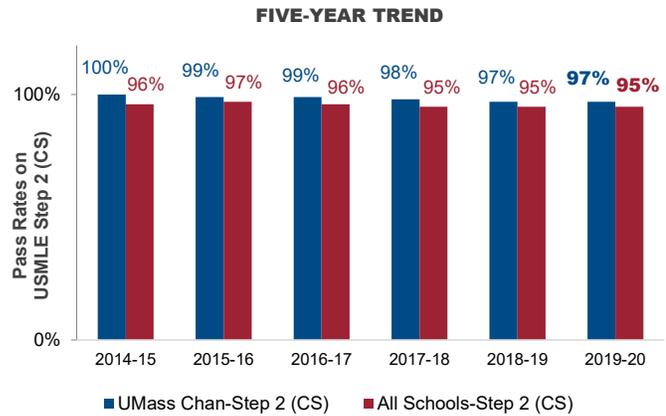
.0

One-year % Point change (vs. 2018-19)

▼ 3

Five-year % Point change (vs. 2014-15)

Peer Comparison - All U.S. and Canadian Medical Schools, Data by Academic Year.



PASS RATES ON NURSING BOARD CERTIFICATION

87%

Pass Rate for Nursing Board Cert. in 2020

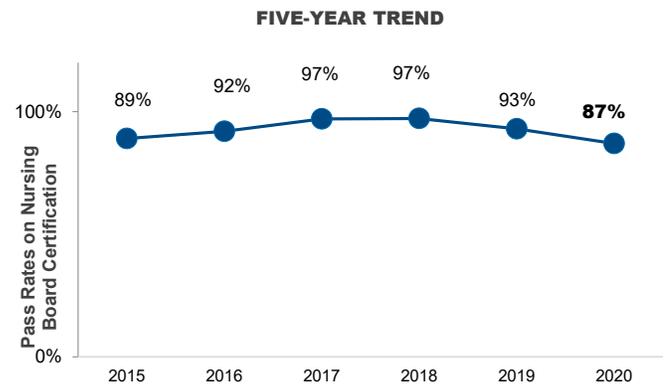
▼ 6%

One-year % change (vs. 2019)

▼ 2%

Five-year % change (vs. 2015)

Peer Comparison - All U.S. and Canadian Medical Schools, Data by Calendar Year.



TECHNOLOGY-ENHANCED CLASSROOMS

77

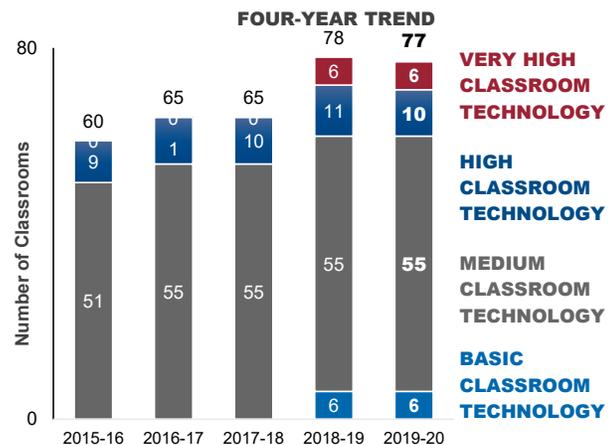
Total Technology Enhanced Classrooms in 2019-20

▼ 1%

One-year % change (vs. 2018-19)

▲ 28%

Four-year % change (vs. 2015-16)



ACADEMIC QUALITY

PERCENT TENURED/TENURE-TRACK FACULTY FTE

17%

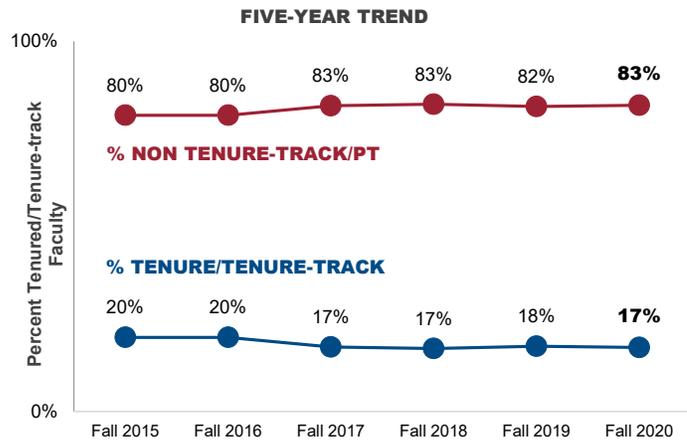
Percent Tenured/
Tenure-track Faculty
in Fall 2020

▼ 1

One-year
% Point change
(vs. Fall 2019)

▼ 3

Five-year
% Point change
(vs. Fall 2015)



FACULTY FTE

1,095

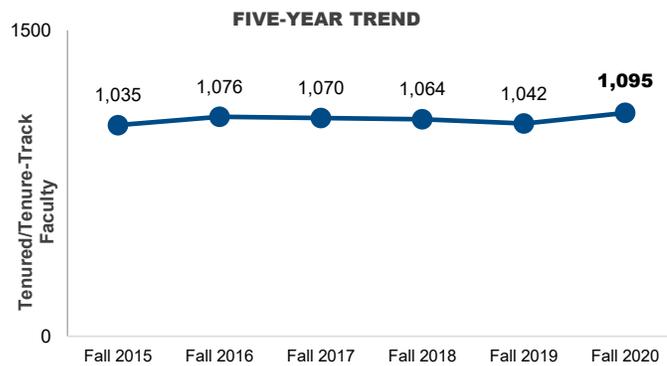
Total Tenured/
Tenure-track Faculty
in Fall 2020

▲ 5%

One-year
% change
(vs. Fall 2019)

▲ 6%

Five-year
% change
(vs. Fall 2015)



In 2016 "New Hires" were expanded to include any faculty hired from November 1 and October 31.

FACULTY-OF-COLOR

289

Faculty Of Color
in Fall 2020

▲ 18

One-year
nominal change
(vs. Fall 2019)

▲ 42

Five-year
nominal change
(vs. Fall 2015)

30%

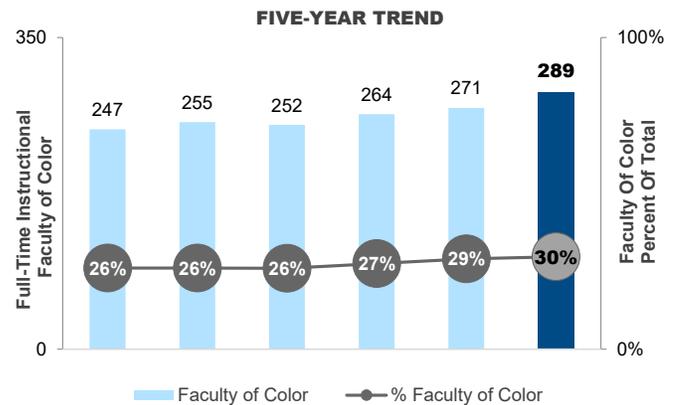
Percent of
Faculty Of Color
in Fall 2020

▲ 1

One-year
% point
(vs. Fall 2019)

▲ 4

Five-year
% point
(vs. Fall 2015)



Faculty of Color based on 2010 IPEDS definitions Race/Ethnicity. Does not include Unknowns and Non Resident Aliens.

ACADEMIC QUALITY

WOMEN FACULTY

438

Women Faculty in Fall 2020

▲ **32**

One-year nominal change (vs. Fall 2019)

▲ **65**

Five-year nominal change (vs. Fall 2015)

43%

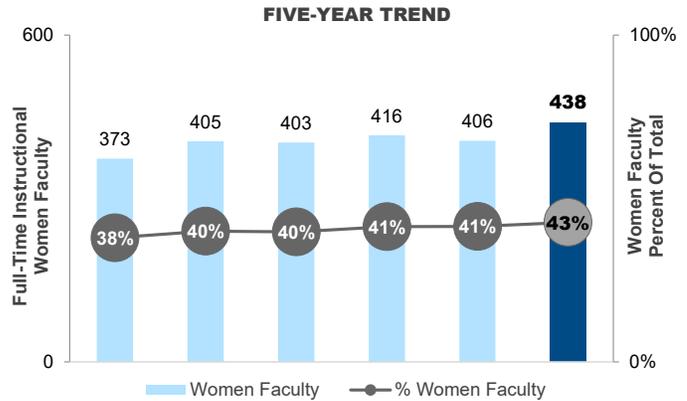
Percent of Women Faculty in Fall 2020

▲ **2**

One-year % point (vs. Fall 2019)

▲ **5**

Five-year % point (vs. Fall 2015)



FACULTY AWARDS

9

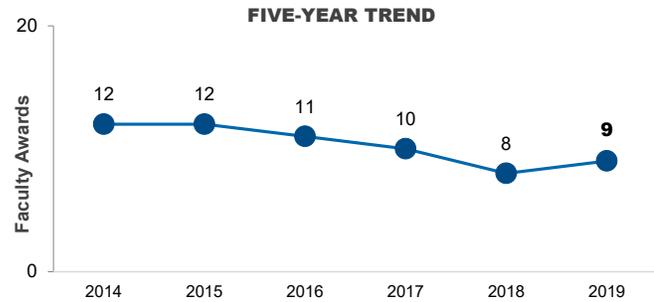
Faculty Awards in 2019

▲ **1**

One-year nominal change (vs. 2018)

▼ **3**

Five-year nominal change (vs. 2014)



Source : The Top American Research Universities

NIH FUNDING AMONG MEDICAL SCHOOLS

\$294k

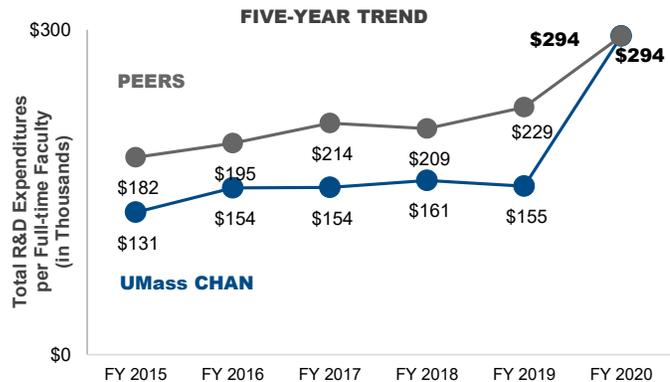
NIH Finding among Medical Schools in FY 2020

▲ **89%**

One-year % change (vs. FY 2019)

▲ **124%**

Five-year % change (vs. FY 2015)



ACADEMIC QUALITY

US NEWS RANKING

10

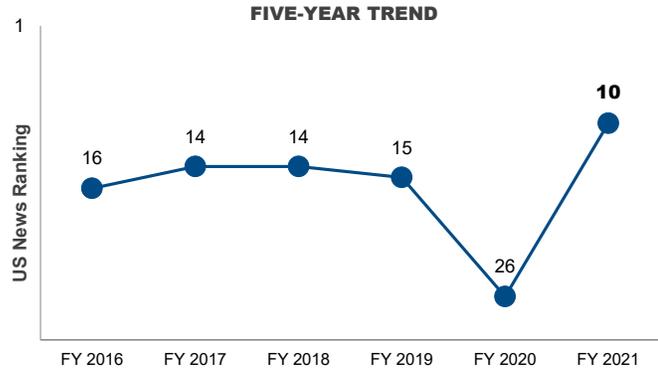
Medical Schools Ranking in FY 2021

▲ 16

One-year nominal change (vs. FY 2020)

▲ 6

Five-year nominal change (vs. FY 2016)



ACCESS AND AFFORDABILITY

GRADUATES FROM MASSACHUSETTS

868

Graduates from Massachusetts in Fall 2020

▲ 4%

One-year % change (vs. Fall 2019)

▲ 8%

Five-year % change (vs. Fall 2015)

67%

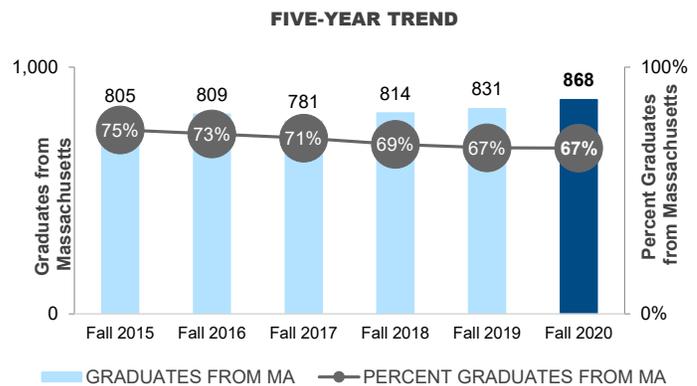
% Graduates from Massachusetts in Fall 2020

● 0

One-year % point change (vs. Fall 2019)

▼ 7

Five-year % point change (vs. Fall 2015)



GRADUATE STUDENTS OF COLOR

397

Graduate Students of Color in Fall 2020

▲ 15%

One-year % change (vs. Fall 2019)

▲ 63%

Five-year % change (vs. Fall 2015)

35%

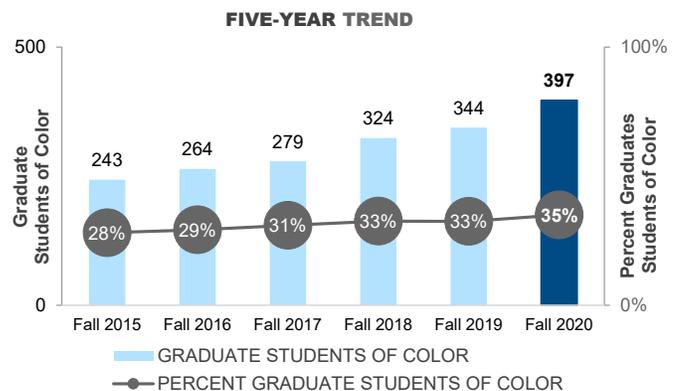
% Graduates Students of Color in Fall 2020

▲ 2

One-year % point change (vs. Fall 2019)

▲ 7

Five-year % point change (vs. Fall 2015)



ACCESS AND AFFORDABILITY

GRADUATES WHO ARE INTERNATIONAL

112

International Graduate Enrollment in Fall 2020

▼ **10%**

One-year % change (vs. Fall 2019)

▼ **22%**

Five-year % change (vs. Fall 2015)

9%

% International Graduate Enrollment in Fall 2020

▼ **1**

% point change (vs. Fall 2019)

▼ **5**

% point change (vs. Fall 2015)



TUITION AND FEES (INCLUDES ADJUSTMENT FOR LEARNING CONTRACT)

\$38.7k

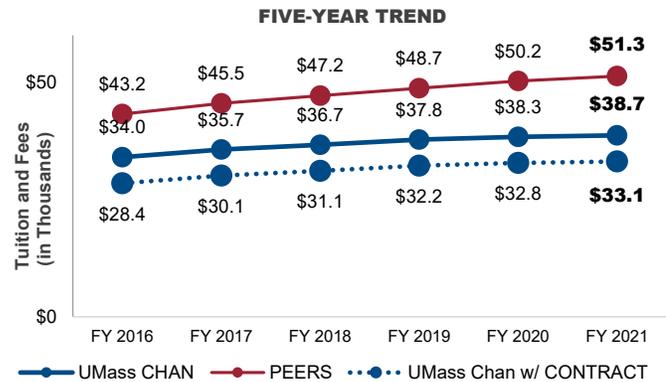
Tuition & Mandatory Fees in FY 2021

▲ **1%**

One-year % change in Tuition & Mandatory Fees (vs. FY 2020)

▲ **14%**

Five-year % change in Tuition & Mandatory Fees (vs. FY 2016)



STUDENT SUCCESS AND SATISFACTION

ACCEPTANCE RATE TO CHOICE OF RESIDENCY

92%

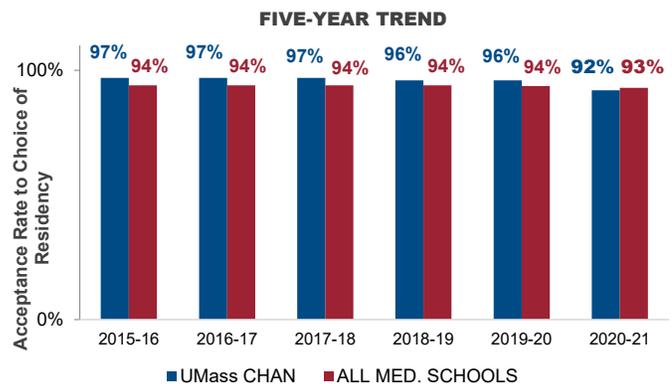
Residency Choice Acceptance Rate in 2020-21

▼ **4**

One-year % point change (vs. 2019-20)

▼ **5**

Five-year % point change (vs. 2015-16)



% Matched based on those going through NRMP match

STUDENT SUCCESS AND SATISFACTION

STUDENT SATISFACTION WITH QUALITY OF MEDICAL EDUCATION

96%ile

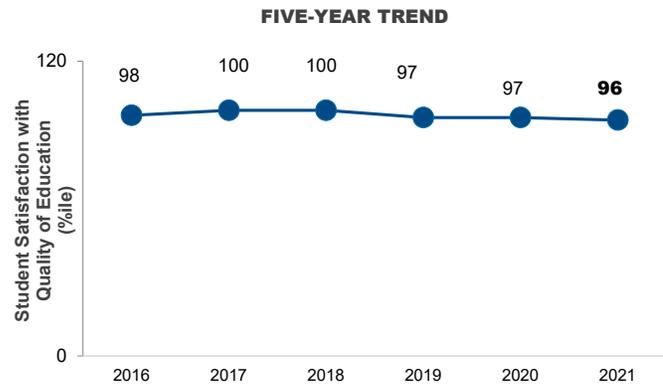
Student Satisfaction with Education Quality in 2021

▼ 1

One-year % Point change (vs. 2020)

▼ 2

Five-year % Point change (vs. 2016)



Source: AAMC MMT Report, Percentile reported annually

ALUMNI PARTICIPATION RATE

25%

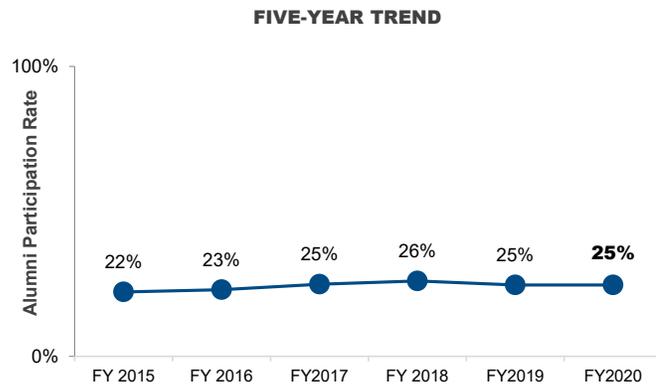
Alumni Participation Rate in FY2020

● 0

One-year % point change (vs. FY2019)

▲ 3

Five-year % point change (vs. FY 2015)



SERVICE TO THE COMMONWEALTH

DEGREE COMPLETIONS

272

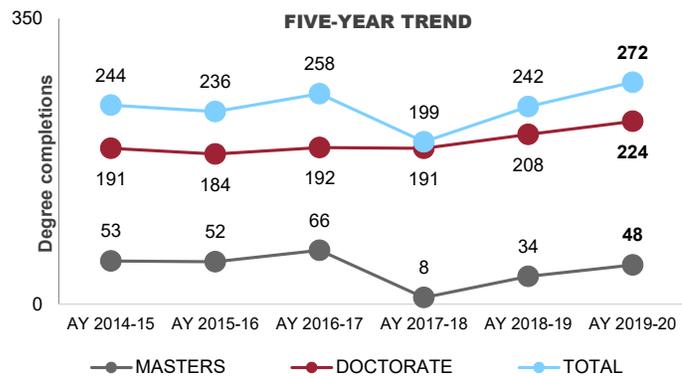
Total degree completions AY 2019-20

▲ 12%

One-year % change in total degree completions (vs. AY 2018-19)

▲ 11%

Five-year % change in total degree completions (vs. AY 2014-15)



SERVICE TO THE COMMONWEALTH

TOTAL R&D EXPENDITURES

\$279

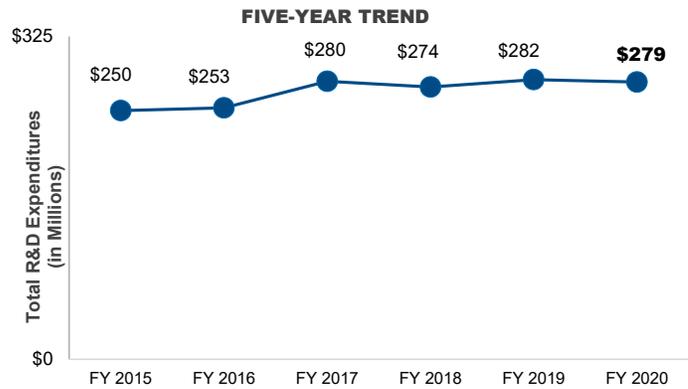
Million in
R&D Expenditures
in FY 2020

▼ **1%**

One-year
% change
(vs. FY 2019)

▲ **11%**

Five-year
% change
(vs. FY 2015)



TOTAL R&D EXPENDITURES RANKINGS

87

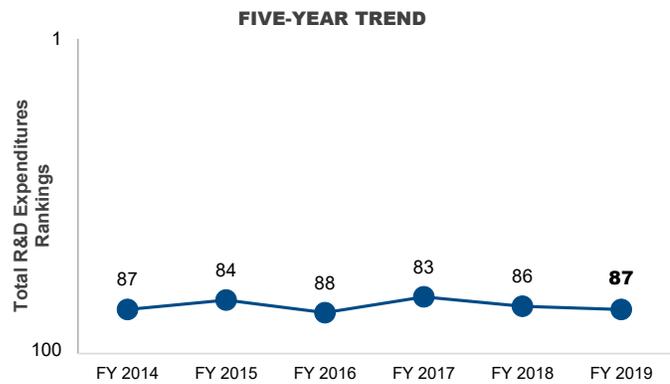
Total R&D Expenditure
Ranking
in FY 2019

▼ **1**

One-year
nominal change
(vs. FY 2018)

● **0**

Five-year
nominal change
(vs. FY 2014)



PATENT APPLICATIONS

126

Patent
Applications
in FY 2020

▼ **1**

One-year
nominal change
(vs. FY 2019)

▲ **59**

Five-year
nominal change
(vs. FY 2015)



SERVICE TO THE COMMONWEALTH

LICENSE INCOME

\$26k

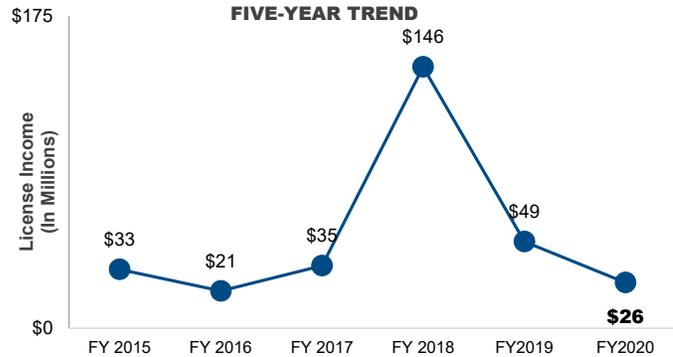
License Income in FY2020

▼ **47%**

One-year % change (vs. FY2019)

▼ **22%**

Five-year % change (vs. FY 2015)



PERCENT ALUMNI WHO LIVE IN MASSACHUSETTS

54%

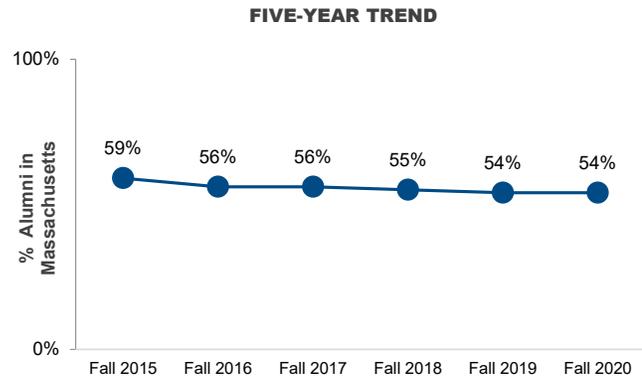
Alumni Who Live in Massachusetts in Fall 2020

● **0**

One-year % point change (vs. Fall 2019)

▼ **5**

Five-year % point change (vs. Fall 2015)



DEGREES AWARDED IN STEM FIELDS

52

STEM Degrees Awarded in 2019-20

▼ **5%**

One-year % change (vs. 2018-19)

▼ **24%**

Five-year % change (vs. 2014-15)

19%

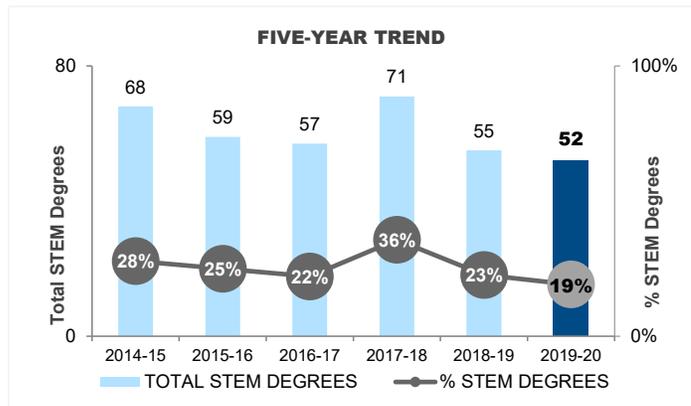
Percent of degrees in STEM fields in 2019-20

▼ **4**

One-year % point change (vs. 2018-19)

▼ **9**

Five-year % point change (vs. 2014-15)



SERVICE TO THE COMMONWEALTH

DEGREES IN HEALTHCARE PROGRAMS

220

Healthcare Degrees
Awarded in
in 2019-20

▲ 18%

One-year
% change
(vs. 2018-19)

▲ 25%

Five-year
% change
(vs. 2014-15)

81%

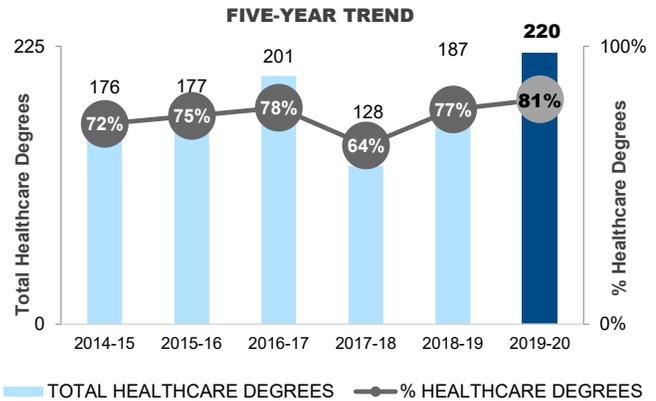
Percent of
degrees in
Healthcare fields
in 2019-20

▲ 4

One-year
% point change
(vs. 2018-19)

▲ 9

Five-year
% point change
(vs. 2014-15)



FINANCIAL HEALTH

ENDOWMENT ASSETS

\$346M

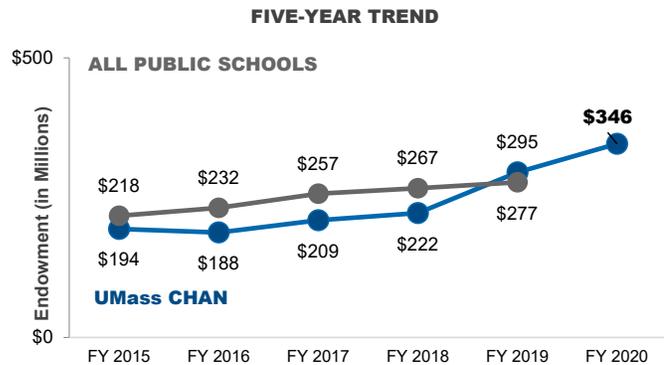
Endowment Assets
in FY 2020

▲ 17%

One-year
% change
(vs. FY 2019)

▲ 78%

Five-year
% change
(vs. FY 2015)



FY 2020 All Public Schools* data are not available

ENDOWMENT PER ANUALIZED STUDENT FTE

\$292k

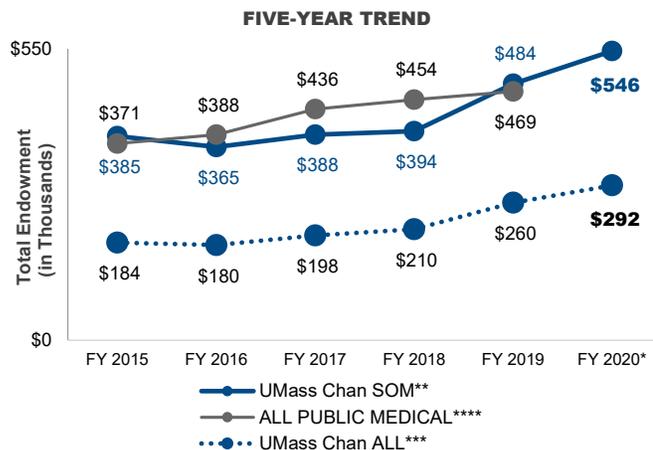
Endowment per FTE
All Schools
in FY 2020*

▲ 12%

One-year
% change in
Endowment per FTE
All Schools
(vs. FY 2019)

▲ 59%

Five-year
% change
Endowment per FTE
All Schools
(vs. FY 2015)



FY 2020*All Public Schools**** are currently not available

** Total endowment per UMass Chan annualized student FTE - SOM only

*** Total endowment UMass Chan annualized student FTE - All 3 Schools

**** Total endowment per student enrollment - All public medical schools

FINANCIAL HEALTH

PRIVATE FUNDS RAISED ANNUALLY*

43.5

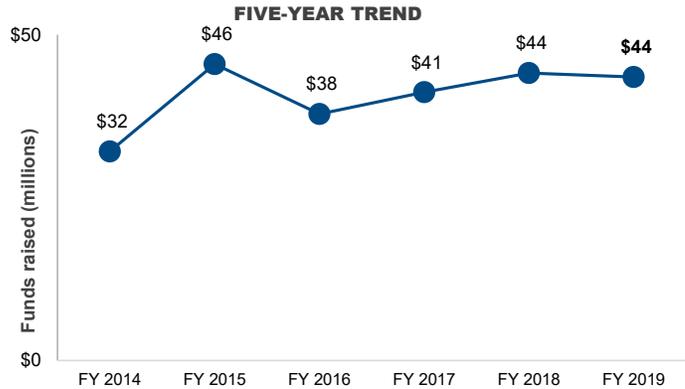
Million
in FY 2019

▼ **1%**

One-year
% change in
(vs. FY 2018)

▲ **36%**

Five-year
% change
(vs. FY 2014)

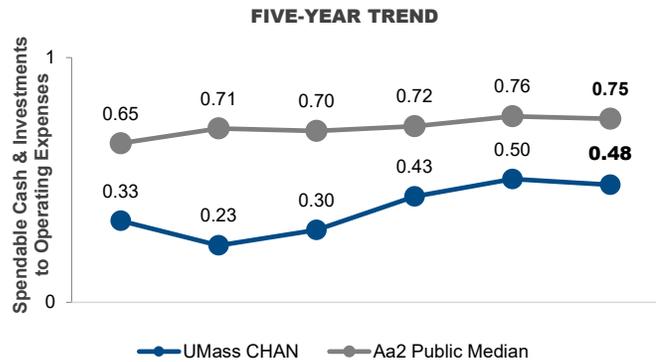


* Includes cash, pledges and grants

SPENDABLE CASH & INVESTMENTS TO OPERATING EXPENSES

0.48

Spendable Cash &
Investments to
Operating Expenses
in FY 2020



DEBT SERVICE BURDEN

4.9%

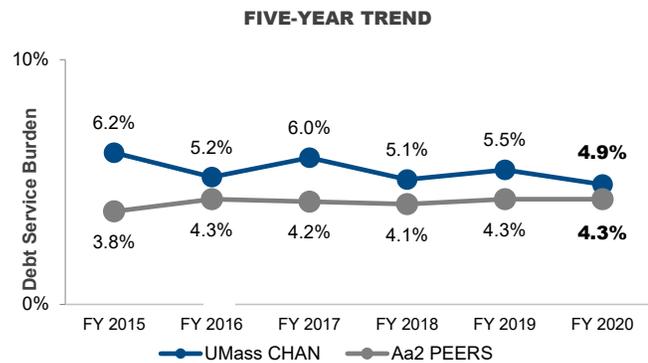
Debt Service
Burden
in FY 2020

▼ **0.6**

One-year
Point change
(vs. FY 2019)

▼ **1.3**

Five-year
Point change
(vs. FY 2015)



FINANCIAL HEALTH

OPERATING MARGIN (%)

3.0%

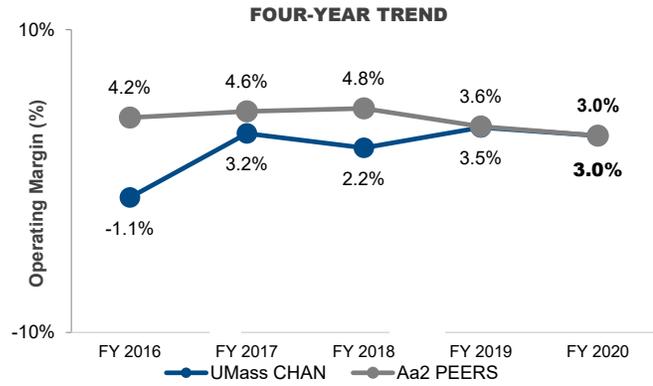
Operating Margin (%)
in FY 2020

▼ 0.5

One-year
Point change
(vs. FY 2019)

▲ 4.1

Five-year
Point change
(vs. FY 2016)



DEFINITIONS AND SOURCES

ACADEMIC QUALITY INDICATORS

Mean MCAT Score. Mean biology MCAT score for new medical students. Peer data calculated from AAMC website.

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.

Technology-Enhanced Classrooms.

Classification of the campus's total classroom capacity in terms of the level of technology-support.

Percent Tenured/Tenure-Track Faculty

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

Faculty FTE. The difference in the total FTE, from one Fall semester to the next, for all full-time and part-time instructional faculty. 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 Continuing Education.

Faculty-of-Color. 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.

Women Faculty. The proportion of full-time instructional staff who identify themselves as female.

Faculty Awards. Number of faculty 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.

NIH Funding Among Medical Schools.

Annual amount of NIH Funding. UMMS and peer data are from NIH Ad Hoc Report, 20-school peer list.

US News Ranking. U.S. News annual ranking of medical schools with emphasis in Primary Care.

ACCESS AND AFFORDABILITY INDICATORS

Percentage Graduates from

Massachusetts. Percentage of total graduate students who are "In State" or residents of Massachusetts based on tuition residency. For state-supported (day) students, tuition classification is used, whereas for CPE students, the actual residency at time of matriculation is used.

Percent Graduates who are Students of Color. Graduates who self-identify as either

African American/Black, Hispanic/ Latino, Asian, Hawaiian/Pacific Islander, American Indian/Alaskan Native, and/or Two or more races. Hispanic students who list one or more additional groups will be coded as Hispanic. Cape Verdean students who identify solely as Cape Verdean will be coded as Not Reported. Included only for U.S. Citizens and Permanent Residents who report race and ethnicity divided by total undergraduate U.S. citizens and permanent residents who report race/ethnicity.

DEFINITIONS AND SOURCES

ACCESS AND AFFORDABILITY INDICATORS

Percent Graduates who are International. Percentage of all Graduates who are non-resident aliens, studying at the university on an eligible visa types, and enrolled in credit courses. Does not include permanent residents, refugees, or US citizens.

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 Rate to Choice of Residency. Percent of graduating students accepted to their choice of residency. National results provided by NRMP.

Student Satisfaction With Quality of Medical Education. The percentile of graduating medical students indicating "very

satisfied" with the quality of their medical education. UMMS percentile compares to national peer data from AAMC MMT Annual Report.

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

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

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.

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.

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

License Income. Amount of annual income from license agreements. Data reported by each UMass campus to President's Office, OTCV.

Percent Alumni Who Live in Massachusetts. The percentage of UMMS alumni who live in Massachusetts.

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. Number of undergraduate and graduate degrees and certificates awarded in Health Care 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.

FINANCIAL HEALTH INDICATORS

Endowment Assets and Annual Growth in Endowment. The total value of the endowment (includes true and quasi-endowments) at the end of the fiscal year as reported in the UMass Annual

BOT report, and the percent change from the previous year. Comparative data are from IPEDS, financial statements, and the NACUBO survey.

DEFINITIONS AND SOURCES

FINANCIAL HEALTH INDICATORS

Endowment per Annualized Student

(FTE). Total endowment (includes true and quasi-endowments) per annualized FTE student, where FTE of peer institutions is standardized to UMass formulae. Peer data are for comparative peers from financial statements (current year) and IPEDS (prior years).

Private Funds Raised Annually. Private funds raised include 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.

Debt Service Burden. Compares the relative cost of borrowing to overall expenditures. Debt service (P&I) / Total expenses

Operating Margin (%). Indicates the excess margin (or deficit) by which annual revenues cover annual expenses (excluding unrealized gains or losses). (Total revenues – total expenses)/Total revenues

Spendable Cash & Investments to Operating Expenses. Measures the extent to which the University can rely on wealth that can be accessed over time or for a specific purpose to operate.

(Cash & investments – debt service reserve funds + permanently restricted pledges receivable – permanently restricted Net Assets)/Total expenses

PUBLIC MEDICAL SCHOOL PEER INSTITUTIONS

ARIZONA	MU OHIO	PUERTO RICO
ARKANSAS	MU SOUTH CAROLINA	SUNY DOWNSTATE
BUFFALO	MARSHALL - EDWARDS	SUNY UPSTATE
CINCINNATI	MASSACHUSETTS	SOUTH ALABAMA
COLORADO	MICHIGAN STATE	SOUTH CAROLINA
EAST CAROLINA - BRODY	MINNESOTA TWIN CITIES	SOUTH DAKOTA
EAST TENNESSEE - QUILLEN	MISSISSIPPI	SOUTH FLORIDA
EASTERN VIRGINIA	MISSOURI COLUMBIA	SOUTHERN ILLINOIS
FLORIDA STATE	MISSOURI KANSAS CITY	STONY BROOK
GEORGIA	NEBRASKA	TENNESSEE
HAWAII - BURNS	NEVADA	TEXAS A & M
ILLINOIS	NEW MEXICO	TEXAS TECH
KANSAS	NORTH DAKOTA	U WASHINGTON
KENTUCKY	NORTHEASTERN OHIO	UC IRVINE
LSU NEW ORLEANS	OKLAHOMA	UC SAN DIEGO
LSU SHREVEPORT	OREGON	UC SAN FRANCISCO
LOUISVILLE	PENN STATE	UCLA - GEFFEN

DEFINITIONS AND SOURCES

PUBLIC MEDICAL SCHOOL PEER INSTITUTIONS

UMDNJ - RW JOHNSON	WRIGHT STATE - BOONSHOFT	NORTH CAROLINA
UMDNJ NEW JERSEY	WRIGHT STATE	OHIO STATE
UT GALVESTON	ALABAMA	UC DAVIS
UT HOUSTON	CONNECTICUT	UT SOUTHWESTERN
UT SAN ANTONIO	FLORIDA	VIRGINIA
UTAH	INDIANA	WAYNE STATE
VERMONT	IOWA - CARVER	WISCONSIN
VIRGINIA COMMONWEALTH	MARYLAND	
WEST VIRGINIA	MICHIGAN	

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 - Baltimore

Private Aspirant:

Washington University in St. Louis
Johns Hopkins University
Yale University
University of Pennsylvania
University of Pittsburgh – Pittsburgh

Public Aspirant:

University of Texas, SW
University of Iowa
University of North Carolina at Chapel Hill
University of Alabama, Birmingham
University of Michigan - Ann Arbor
University of Washington - Seattle
University of California, San Francisco

DEFINITIONS AND SOURCES

PUBLIC MEDICAL SCHOOL PEER INSTITUTIONS

Moody's Aa2 Peers

Alamo Community College District, TX
Arizona State University, AZ
Auburn University, AL
Board of Regents of The University System of Georgia, GA
California State University, CA
City University of New York, NY
Clemson University, SC
Cuyahoga Community College District, OH
Florida State University, FL
Houston Community College System, TX
Iowa State University of Science & Technology, IA
Michigan State University, MI
Mississippi Institutions of Higher Learning, MS
Nevada System of Higher Education, NV
State University of New York, NY
State University System of Florida, FL

Texas State University System, TX
University of Alabama at Birmingham, AL
University of Alabama, AL
University of Arizona, AZ
University of Arkansas, AR
University of California, CA
University of Florida, FL
University of Georgia, GA
University of Hawaii, HI
University of Houston System, TX
University of Kansas, KS
University of Kentucky, KY
University of Massachusetts, MA
University of North Texas System, TX
University of Oregon, OR
University of South Carolina, SC
University of Wyoming, WY

UMass Amherst - Clery Act Crime Statistics

ENROLLMENTS/NUMBER OF RESIDENTS	Fall 2019		Fall 2018		Fall 2017		Fall 2016	
	Total Enrollment	# Living on Campus						
UNDERGRADUATE STUDENTS	24,209	14,107	23,515	13,551	23,388	13,181	23,373	13,281
GRADUATE STUDENTS	7,141	95	7,078	92	6,952	96	6,664	112

Calendar Year				
OFFENSE	2019	2018	2017	2016
MURDER / NON-NEGLIGENT MANSLAUGHTER	0	0	0	0
NEGLIGENT MANSLAUGHTER	0	0	0	0
RAPE	23	23	18	20
FONDLING	11	9	3	6
INCEST	0	0	0	0
STATUTORY RAPE	0	0	0	0
ROBBERY	2	3	0	3
AGGRAVATED ASSAULT	2	4	5	11
BURGLARY	8	12	14	18
MOTOR VEHICLE THEFT	0	2	4	1
ARSON	3	2	1	4
DOMESTIC VIOLENCE***	4	9	8	11
DATING VIOLENCE***	0	0	0	0
STALKING***	3	1	2	4
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	4	2	3
LIQUOR LAW ARRESTS**	180	137	143	92
LIQUOR LAW VIOLATIONS REFERRED FOR DISCIPLINARY ACTION	208	211	196	216
DRUG LAW ARRESTS**	7	4	11	7
DRUG LAW VIOLATIONS REFERRED FOR DISCIPLINARY ACTION	1	1	6	11
ILLEGAL WEAPONS POSSESSION ARRESTS	5	1	0	1
ILLEGAL WEAPONS POSSESSION VIOLATIONS REFERRED FOR DISCIPLINARY ACTION	0	0	0	2

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.*

UMass Boston - Clery Act Crime Statistics

ENROLLMENTS/NUMBER OF RESIDENTS	Fall 2019		Fall 2018		Fall 2017		Fall 2016	
	Total Enrollment	# Living on Campus						
UNDERGRADUATE STUDENTS	12,595	1,078	12714	1067	12,660	0	12,847	0
GRADUATE STUDENTS	3,394	N/A	3450	N/A	3,755	0	4,000	0

Calendar Year				
OFFENSE	2019	2018	2017	2016
MURDER / NON NEGLIGENT MANSLAUGHTER	0	0	0	0
NEGLIGENT MANSLAUGHTER	0	0	0	0
RAPE	1	1	1	0
FONDLING	2	1	0	0
INCEST	0	0	0	0
STATUTORY RAPE	0	0	0	0
ROBBERY	0	0	0	0
AGGRAVATED ASSAULT	0	0	2	2
BURGLARY	3	1	0	2
MOTOR VEHICLE THEFT	0	0	0	0
ARSON	0	0	0	0
DOMESTIC VIOLENCE*	0	0	0	2
DATING VIOLENCE*	1	1	0	1
STALKING*	8	8	8	7
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	3	0	0	0
LIQUOR LAW VIOLATIONS REFERRED FOR DISCIPLINARY ACTION	85	40	0	0
DRUG LAW ARRESTS	8	3	3	8
DRUG LAW VIOLATIONS REFERRED FOR DISCIPLINARY ACTION	1	0	0	0
ILLEGAL WEAPONS POSSESSION ARRESTS	0	2	0	3
ILLEGAL WEAPONS POSSESSION VIOLATIONS REFERRED FOR DISCIPLINARY ACTION	1	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. UMB campus does not have residence halls.

UMass Dartmouth - Clery Act Crime Statistics

ENROLLMENTS/NUMBER OF RESIDENTS	Fall 2019		Fall 2018		Fall 2017		Fall 2016	
	Total Enrollment	# Living on Campus						
UNDERGRADUATE STUDENTS	6,405	3,136	6,841	3,535	6,763	3,538	6,999	3,773
GRADUATE STUDENTS	1,749	77	1,672	72	1,643	76	1,648	98

Calendar Year				
OFFENSE	2019	2018	2017	2016
MURDER / NON-NEGLIGENT MANSLAUGHTER	0	0	0	0
NEGLIGENT MANSLAUGHTER	0	0	0	0
RAPE	3	7	1	10
FONDLING	2	0	4	6
INCEST	0	0	0	0
STATUTORY RAPE	0	0	0	0
ROBBERY	2	0	5	0
AGGRAVATED ASSAULT	3	7	10	3
BURGLARY	12	11	11	6
MOTOR VEHICLE THEFT	1	0	0	4
ARSON	0	1	0	5
DOMESTIC VIOLENCE*	9	0	15	8
DATING VIOLENCE*	1	11	0	0
STALKING*	2	1	6	3
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	4	19
LIQUOR LAW VIOLATIONS REFERRED FOR DISCIPLINARY ACTION	194	126	161	180
DRUG LAW ARRESTS	0	1	1	1
DRUG LAW VIOLATIONS REFERRED FOR DISCIPLINARY ACTION	1	4	1	3
ILLEGAL WEAPONS POSSESSION ARRESTS	1	2	1	1
ILLEGAL WEAPONS POSSESSION VIOLATIONS REFERRED FOR DISCIPLINARY ACTION	3	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.

UMass Lowell - Clery Act Crime Statistics

ENROLLMENTS/NUMBER OF RESIDENTS	Fall 2019		Fall 2018		Fall 2017		Fall 2016	
	Total Enrollment	# Living on Campus						
UNDERGRADUATE STUDENTS	14,155	4,494	14,005	4,379	14,013	3,632	13,642	4,105
GRADUATE STUDENTS	4,183	35	4,239	65	4,303	37	4,215	50

Calendar Year				
OFFENSE	2019	2018	2017	2016
MURDER / NON-NEGLIGENT MANSLAUGHTER	1	0	0	0
NEGLIGENT MANSLAUGHTER	0	0	0	0
RAPE	9	12	4	4
FONDLING	6	1	4	6
INCEST	0	0	0	0
STATUTORY RAPE	0	0	0	0
ROBBERY	2	1	5	2
AGGRAVATED ASSAULT	3	2	2	7
BURGLARY	1	1	2	6
MOTOR VEHICLE THEFT	2	1	3	3
ARSON	0	0	0	0
DOMESTIC VIOLENCE*	7	6	3	6
DATING VIOLENCE*	0	0	0	0
STALKING*	1	1	7	1
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	0	3
LIQUOR LAW VIOLATIONS REFERRED FOR DISCIPLINARY ACTION	78	150	217	216
DRUG LAW ARRESTS	0	8	5	3
DRUG LAW VIOLATIONS REFERRED FOR DISCIPLINARY ACTION	2	0	1	3
ILLEGAL WEAPONS POSSESSION ARRESTS	1	0	1	1
ILLEGAL WEAPONS POSSESSION VIOLATIONS REFERRED FOR DISCIPLINARY ACTION	5	0	1	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.

UMass Chan Medical School - Clery Act Crime Statistics

ENROLLMENTS/NUMBER OF RESIDENTS	Fall 2019		Fall 2018		Fall 2017		Fall 2016	
	Total Enrollment	# Living on Campus						
UNDERGRADUATE STUDENTS	0	0	0	0	0	0	0	0
GRADUATE STUDENTS	1,234	0	1,185	0	1,095	0	1,108	0

Calendar Year				
OFFENSE	2019	2018	2017	2016
MURDER / NON-NEGLIGENT MANSLAUGHTER	0	0	0	0
NEGLIGENT MANSLAUGHTER	0	0	0	0
RAPE	0	0	1	0
FONDLING	0	2	1	4
INCEST	0	0	0	0
STATUTORY RAPE	0	0	0	0
ROBBERY	0	0	0	0
AGGRAVATED ASSAULT	9	3	3	0
BURGLARY	0	1	2	2
MOTOR VEHICLE THEFT	6	5	1	4
ARSON	0	0	0	0
DOMESTIC VIOLENCE*	4	7	3	8
DATING VIOLENCE*	0	0	0	0
STALKING*	0	4	4	0
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	0	0
LIQUOR LAW VIOLATIONS REFERRED FOR DISCIPLINARY ACTION	0	0	0	0
DRUG LAW ARRESTS	4	11	16	19
DRUG LAW VIOLATIONS REFERRED FOR DISCIPLINARY ACTION	0	0	0	0
ILLEGAL WEAPONS POSSESSION ARRESTS	2	1	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.