

2022 Report on Annual Indicators

University Performance Measurement System

December 2022



University of Massachusetts

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



University of Massachusetts

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

2022 REPORT ON ANNUAL INDICATORS
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Message from the President December 2022

The University of Massachusetts 2021 Annual Indicators Report, a key component of our effort to keep the Commonwealth and its citizens informed about UMass excellence and impact, comes at an important moment in the history of the university. It documents the performance of our campuses and the university system throughout the global COVID-19 pandemic.

Readers will find progress in many areas that are critical to driving student success and the socio-economic development of every region across Massachusetts. It is important to recognize that behind these numbers, we have talented, innovative UMass faculty and staff who are dedicated to fulfilling our mission of access, opportunity and excellence.

This report compares the university's performance – primarily during the fiscal year 2021 and academic year 2020-2021 - with peer institutions across the country on a range of metrics. It honors our commitment to transparency and continuous improvement and details the university's progress toward achieving strategic priorities approved by the UMass Board of Trustees.

The highlights include:

Academic quality

- UMass continues to attract highly qualified students as average SAT scores ranged from 1139 to 1352 across the four undergraduate campuses.
- UMass research capacity remains strong as the system generated \$752 million in research expenditures, shattering the previous high of \$687 million set a year earlier.
- Licensing income generated by UMass discoveries exceeded \$38 million, placing the university among the top 15 percent of U.S. universities.

Access and affordability

- More than four out of five (82 percent) UMass first-year students are Massachusetts residents.
- The number of students of color enrolling at UMass has increased over the last five years. Currently, 42 percent of UMass undergraduates are students of color.
- UMass reduced the barriers of time and distance for learners through our outstanding online programs, with more than 100,000 online course registrations, a 19 percent increase.

Student success and satisfaction

- While first-year student retention declined at three of the four undergraduate campuses (Boston, Dartmouth and Lowell), UMass Amherst's retention rate (91 percent) exceeded the national four-year public average of 82 percent.
- UMass students continued to graduate at high rates, and UMass Chan Medical School graduates continued to secure top choice residencies.

Service to the Commonwealth

- UMass awarded 18,546 degrees (bachelor's and above) in academic year 2020-21, which represent 16 percent of all degrees awarded in the Commonwealth with a third of those degrees awarded in STEM (science, technology, engineering and mathematics) fields.
- Six of ten UMass graduates remain in the Commonwealth long-term.

Financial health

- The market value of the university's endowment improved by 67 percent between Fiscal Year 2016 and Fiscal Year 2021 to more than \$1.2 billion.
- The university's high agency bond ratings for Fiscal Year 2021 (Aa2 rating by Moody's; AA- rating by S&P; AA rating by Fitch) reflect continuing confidence in the institution's overall sound financial management.

We know that the years ahead will bring a new set of changes, challenges, and opportunities. Our students and their families have endured significant personal and financial stress over the past few years; the influence of technology on teaching and learning is accelerating; and a steep decline in the number of high school graduates is looming. This will all require us to innovate and invest to ensure that we continue to deliver the world class education, research, and service that our mission demands. The data in this report indicate that we have a strong foundation upon which to build.

Sincerely,



Martin T. Meehan
President

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UMASS LOWELL

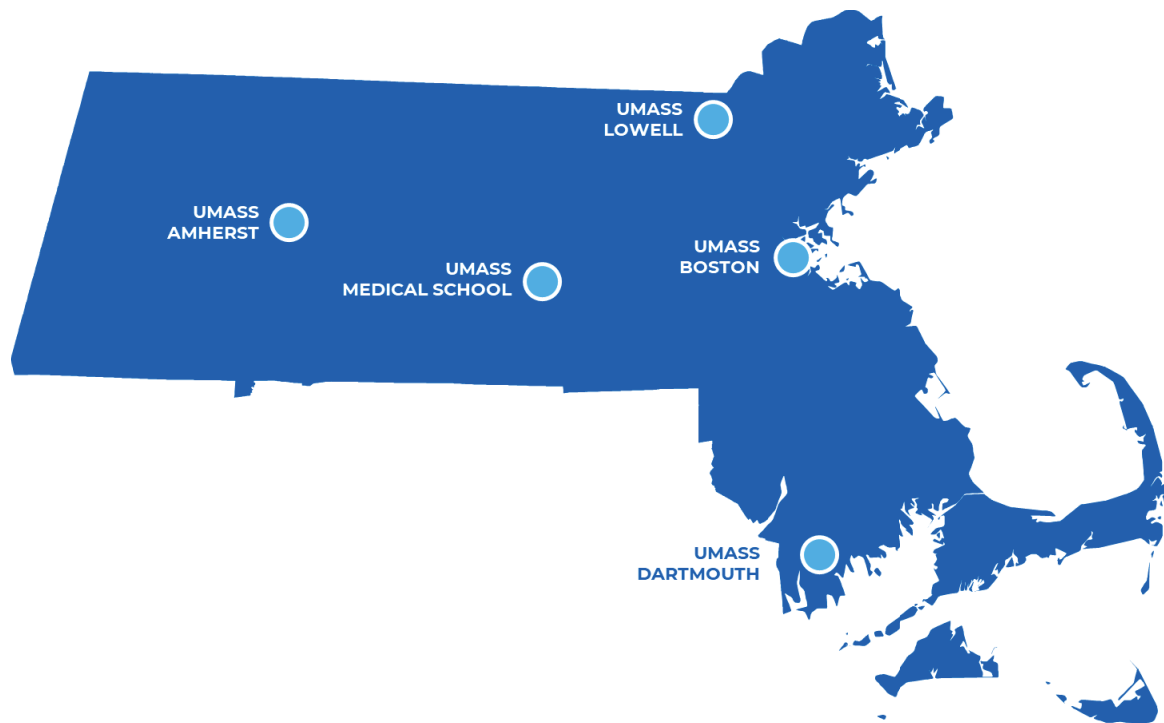
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THE 2022 REPORT ON ANNUAL INDICATORS

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 2022 Report on Annual Indicators is the 24th 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 2022 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 UMass Chan 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 2022 Annual Indicators
- 2022 Annual Indicators at a Glance
- Infographics and Charts
- Definitions and Sources
- List of Institutional Peers

Legislative Priorities	UMass Strategic Priorities	2022 ANNUAL INDICATORS	
ACADEMIC QUALITY	Improve student learning experience	Average High-School GPA of Freshmen	
		SAT Scores of Freshmen	
		25 th – 75 th Percentile	
		Average	
		Average GPA of Entering Transfer Students	
		Mean MCAT Scores of Entering Students (UMass Chan Only)	
		Student Satisfaction with Educational Experience	
		Student-Faculty Ratio	
		Technology-Enhanced Classrooms	
	Strengthen research and development	Total R&D Expenditures	
		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 (UMass Chan Only)	
		US News Ranking in Primary Care Medicine (UMass Chan Only)	
		Patent Applications	
		License Income	
	Renew faculty	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	
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	2022 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	
		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 (UMass Chan Only)	
SERVICE TO THE COMMONWEALTH	Develop a leadership role in public service	Degree Completions	
		Percent Mass Residents Attending UMass	
		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	
		Degrees and Certificates Awarded in STEM fields	
		Degrees and Certificates Awarded in Healthcare fields	
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	

HEADLINES

ACADEMIC QUALITY

UMass continues to admit high-quality students. UMass attracts highly qualified applicants. Freshmen average SAT scores ranged from 1139 to 1352 across the four undergraduate campuses. Average high school GPA increased slightly from the previous year, ranging from 3.37-3.99.

UMass research capacity remains strong. In FY 2021, the system generated \$752 million in research expenditures, reflecting seven consecutive years of over \$600 million in research funding. Furthermore, in 2020-21, the five campuses awarded 946 doctoral degrees across various disciplines. These include

527 research/scholarship doctoral degrees and 419 professional practice doctoral degrees.

UMass Chan Medical School retains the top 10% ranking in primary care. In the 2022 US News ranking, UMass Medical School ranked 10th among 152 medical schools and 33 schools of osteopathic medicine with an emphasis on primary care medicine.

Commercialization of UMass research expands. In FY 2021, license income for the University exceeded \$38 million. UMass ranks among the top 15% of US universities in license income.

ACCESS AND AFFORDABILITY

UMass serves citizens of the Commonwealth. As of Fall 2020, 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 (42%) 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, 38% of Massachusetts public high school graduates are students of color.

UMassOnline expands educational access. UMassOnline reaches diverse and geographically dispersed learners. In AY 2020-21, course registrations for UMassOnline were over 100k, representing a 19% increase over the previous year.

STUDENT SUCCESS AND SATISFACTION

UMass students retain at high rates. In Fall 2021, the overall system retention rate among first-time, first-year students stands at 83%. Amherst (91%) and Lowell (82%) report retention rates at or above the national average of 82%.

UMass students graduate at high rates. In Fall 2021, the six-year graduation rate for first-time first-year students rose or held steady at three undergraduate campuses (Amherst, Boston, and

Lowell). Graduation rates at both Amherst (84%) and Lowell (69%) exceeded the national four-year public average of 63%.

UMass Chan graduates secure top choice residencies. Ninety-six percent of graduates from the T.H. Chan School of Medicine at UMass Chan Medical School were accepted to their choice 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 2020-21. These include a total of 18,546 degrees (bachelor's and above), which represent 16% of all baccalaureate and graduate degrees (22% of bachelor's, 10% of master's degrees and 20% 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 2020-2021, three in ten (32%) or 5,936 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 1% increase over this period.

Alumni reside and work in Massachusetts. Six of ten (59%) graduates overall of the University remain in the Commonwealth after graduation.

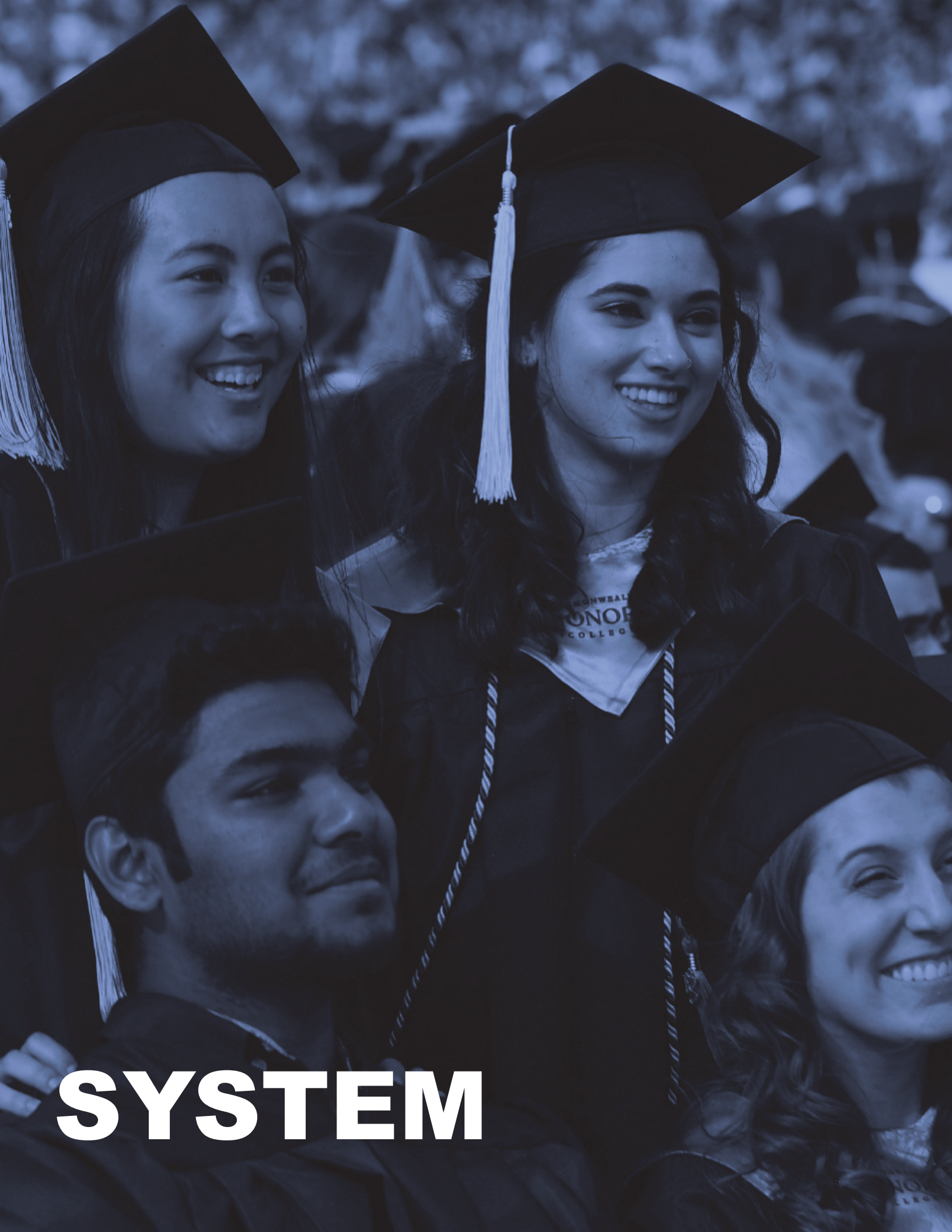
FINANCIAL HEALTH

Total Endowment grew at \$1.2 billion. The market value of the University's endowment improved by 67% between FY 2016 and FY 2021.

Private Funds raised a total of \$117 million. The private giving to UMass declined by 6% in FY 2021 versus last year, this was the fourth year in a row

(and fifth in the last six) that annual private giving exceeded \$115 million.

Bond ratings remain high. The University's high agency bond ratings for FY 2021 (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%	• Dual Enrollment Headcount	230
• Percent of Undergraduates from Massachusetts	82%	• Tuition and Fees as a Percentage of Median HH Family Income	15%
• Percent Undergraduates who are Students of Color	42%	• Total Students who Participated in a Study Abroad Program	156
• Number of First-degree Bachelor-seeking Students Aged 25+	5,446	• Online Course Registrations	108,827

SERVICE TO THE COMMONWEALTH

• Degree Completions	18,546	• License Income	\$38M
<i>Bachelor's</i>	13,392	• Percent Alumni who Remain in MA	59%
<i>Master's</i>	4,208	• Degrees Awarded in STEM Fields	5,936 (32%)
<i>Doctorates</i>	946	<i>Undergraduate</i>	4,431 (33%)
• UMass Degrees as Percent of Massachusetts Degrees	16%	<i>Graduate</i>	1,505 (29%)
• Total R&D Expenditures	\$752M	• Certificates Awarded in STEM Fields	202 (15%)
• Patent Applications	137	• Degrees Awarded in Healthcare Fields	2,149

FINANCIAL HEALTH

• Total Endowment	\$1232M	• Debt Service to Operations	3.6%
• Annual Growth in Endowment	34.0%	• Operating Margin (%)	2.0%
• Private Funds Raised Annually	\$117M	• Total Cash & Investments to Expenses	0.82
• Agency Bond Ratings			
<i>Moody's</i>	Aa2		
<i>S&P</i>	AA-		
<i>Fitch</i>	AA		

ACCESS AND AFFORDABILITY

ENROLLMENT OF MASSACHUSETTS RESIDENTS

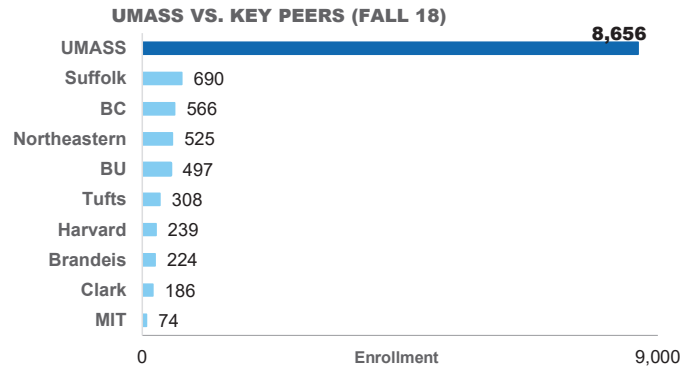
72%

Of all MA FY* UGs enrolled at UMass or key private peers are enrolled at UMass (Fall 2018)

32%

Of all MA FY* UGs enrolled at a MA 4 year college/university are enrolled at UMass (Fall 2018)

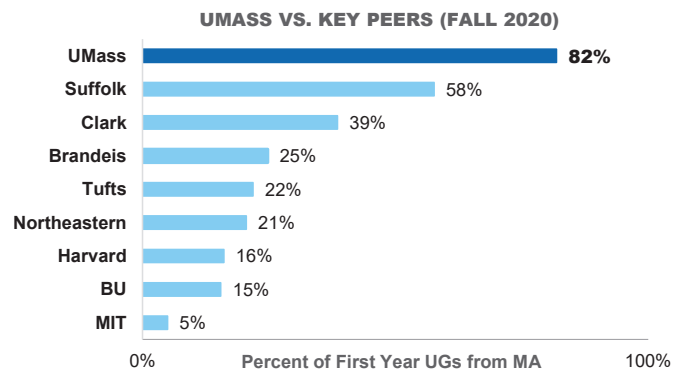
*Undergraduate first-year (FY) students



PERCENT OF FIRST YEAR UNDERGRADUATE STUDENTS

82%

UMass first-year UGs from MA in Fall 2020



UMASS UNDERGRADUATES: ALL STUDENTS

45.4k

UMass UGs from MA in Fall 2021

▼ **3%**

One-year % change (vs. Fall 2020)

▼ **3%**

Five-year % change (vs. Fall 2016)

82%

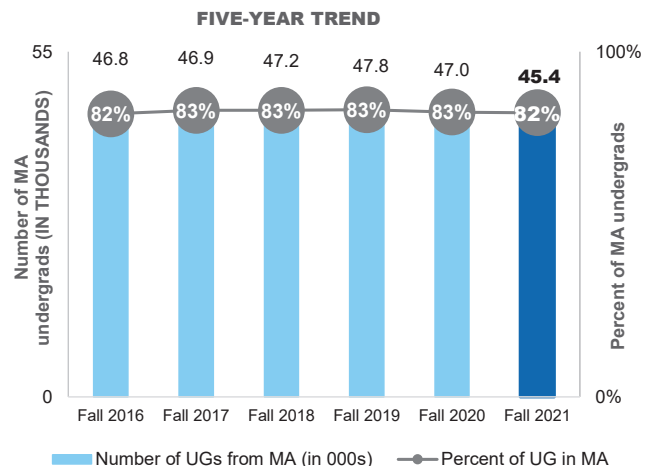
UMass % UGs from MA in Fall 2021

▼ **1**

One-year % point change (vs. Fall 2020)

• **0**

Five-year % point change (vs. Fall 2016)



ACCESS AND AFFORDABILITY

UNDERGRADUATE STUDENTS OF COLOR

42%

UMass UG
Student of Color
in Fall 2021

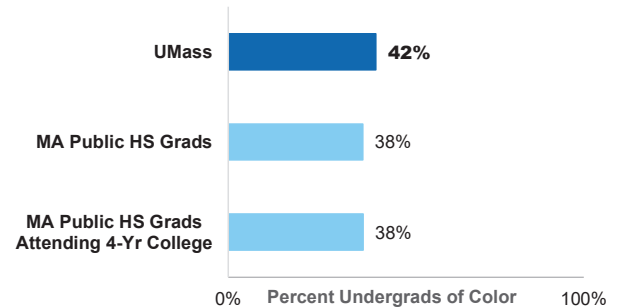
▲ **4**

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

▲ **4**

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

UMASS Fall 2021 VS. MA PUBLIC HS CLASS OF 2019



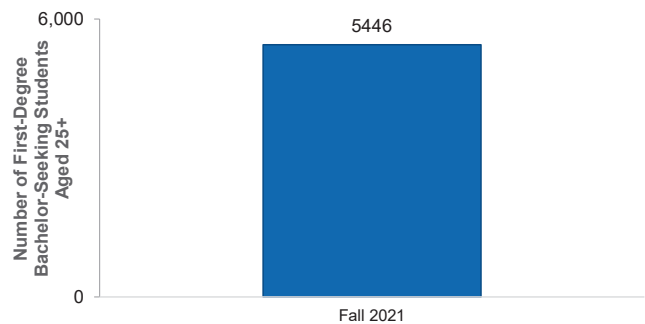
SOURCE: Massachusetts Department of Elementary and Secondary Education (DESE)

NUMBER OF FIRST-DEGREE BACHELOR-SEEKING STUDENTS AGED 25+

5446

Number of First-Degree
Bachelor-Seeking
Students Aged 25+

ONE-YEAR TREND

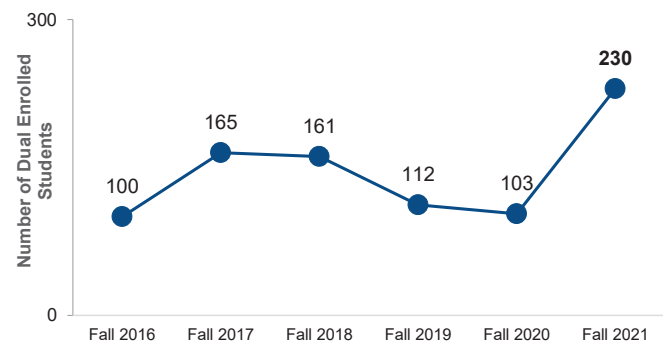


DUAL ENROLLMENT STUDENTS (HEADCOUNT)

230

Dual Enrolled
Students
in Fall 2021

FIVE-YEAR TREND



ACCESS AND AFFORDABILITY

TUITION AND FEES AS A PERCENTAGE OF FAMILY INCOME*

15%

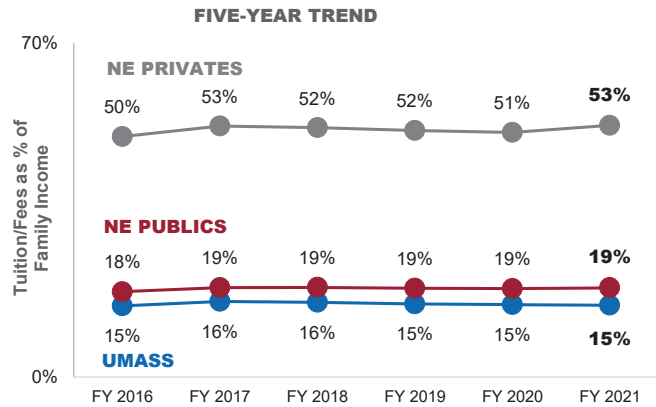
Tuition & Fees
as % of family
income at UMass
in FY 2021

0

One-year
% point change
at UMass
(vs. FY 2020)

0

Five-year
% point change
at UMass
(vs. FY 2016)



*Percentage of MA statewide median family income

TOTAL STUDENTS WHO PARTICIPATED IN A STUDY ABROAD PROGRAM

156

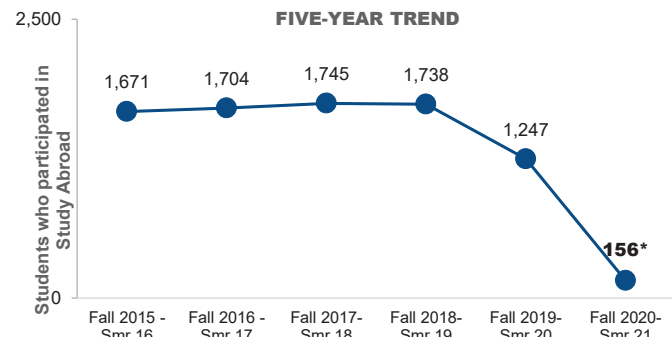
UMass UG
participation in
study abroad
in
Fall 2020-Smr.21

87%

One-year
% change
vs.
Fall 2019-Smr.20

91%

Five-year
% change
vs.
Fall 2015-Smr.16



*Decrease due to COVID

ONLINE COURSE REGISTRATIONS

108,827

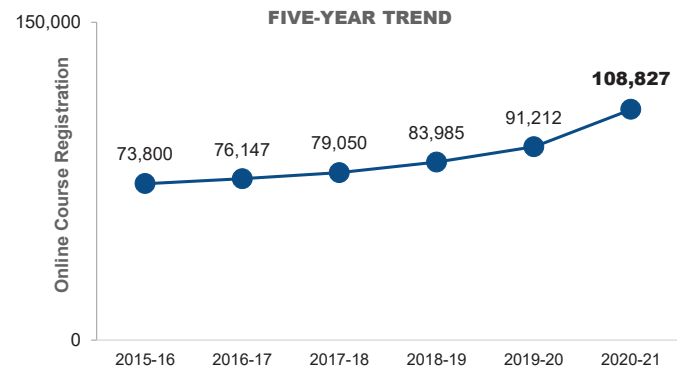
UMass total Online
course registrations
in 2020-21

19%

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

47%

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



SERVICE TO THE COMMONWEALTH

DEGREE COMPLETIONS

19k

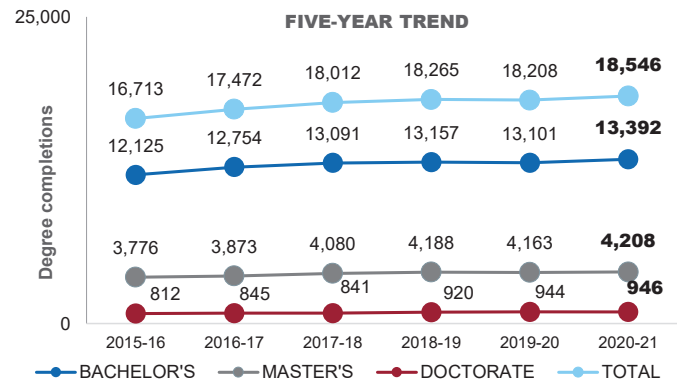
Total degree completions in 2020-21

2%

One-year % change in total degree completions (vs. 2019-20)

11%

Five-year % change in total degree completions (vs. 2015-16)



UMASS DEGREES AS PERCENTAGE OF ALL MASSACHUSETTS DEGREES

16%

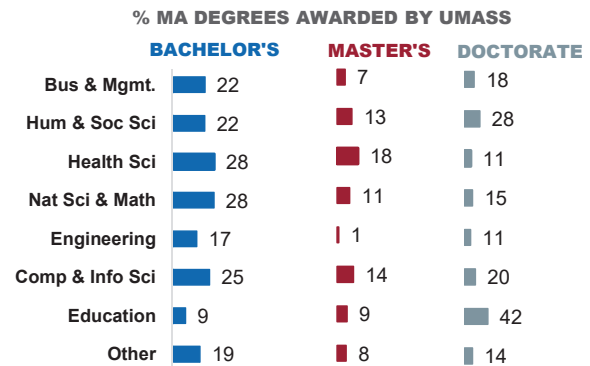
Of all MA degree completions awarded by UMass in 2020-21

17%

Of all MA business degree completions awarded by UMass in 2020-21

20%

Of all MA engineering degree completions awarded by UMass in 2020-21



TOTAL R&D EXPENDITURES

\$752M

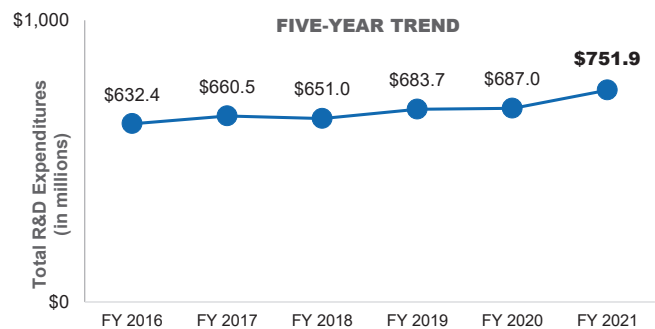
Total R&D Expenditures in FY 2021

9%

One-year % change (vs. FY 2020)

19%

Five-year % change (vs. FY 2016)



SERVICE TO THE COMMONWEALTH

PATENT APPLICATIONS

137

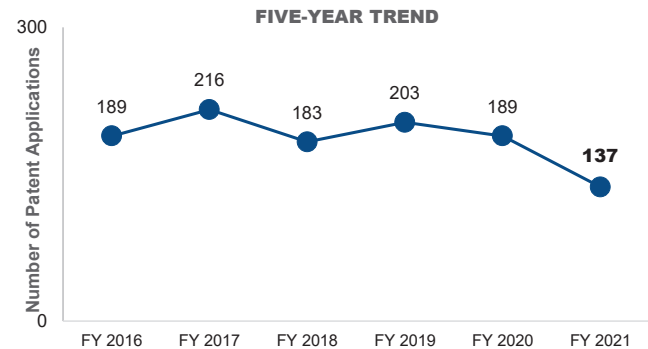
Patent
Applications
in FY 2021

▼ **28%**

One-year
% change
(vs. FY 2020)

▼ **28%**

Five-year
% change
(vs. FY 2016)



LICENSE INCOME

\$38

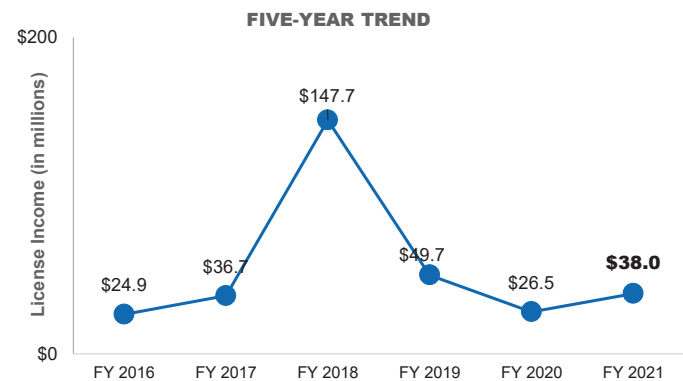
Million
in FY 2021

▲ **43%**

One-year
% change
(vs. FY 2020)

▲ **53%**

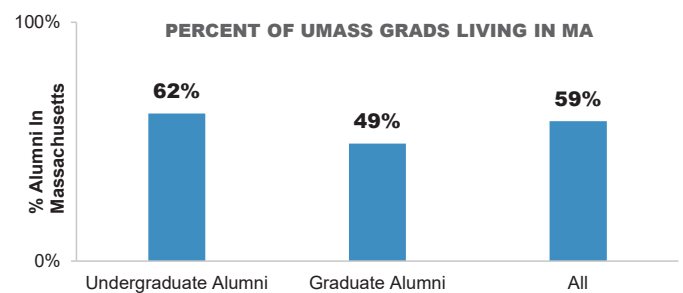
Five-year
% change
(vs. FY 2016)



PERCENT ALUMNI WHO LIVE IN MASSACHUSETTS

59%

Of all UMass Alumni
live in the Commonwealth



SERVICE TO THE COMMONWEALTH

DEGREES AWARDED IN STEM FIELDS

4.4k

UG degrees awarded
in STEM fields
in 2020-21

▲ **2%**

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

▲ **28%**

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

33%

Percent of Total UG
degrees awarded in
STEM fields
in 2020-21

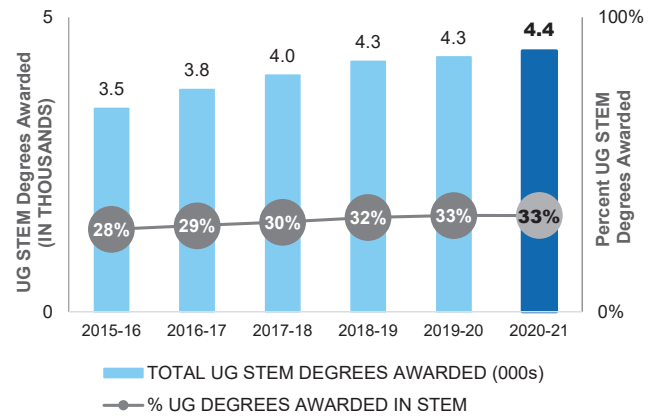
● **0**

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

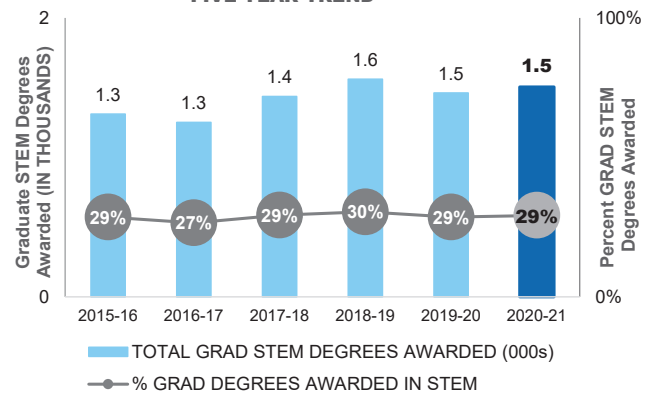
▲ **5**

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

UNDERGRAD STEM DEGREES AWARDED FIVE-YEAR TREND



GRAD STEM DEGREES AWARDED FIVE-YEAR TREND



1.5k

GR degrees awarded
in STEM fields
in 2020-21

▲ **3%**

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

▲ **15%**

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

29%

Percent of Total Grad
degrees awarded in
STEM fields
in 2020-21

● **0**

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

▲ **1**

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

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

5.9k

Total degrees awarded
in STEM fields
in 2020-21

▲ **3%**

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

▲ **25%**

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

32%

Percent of Total
degrees awarded in
STEM fields
in 2020-21

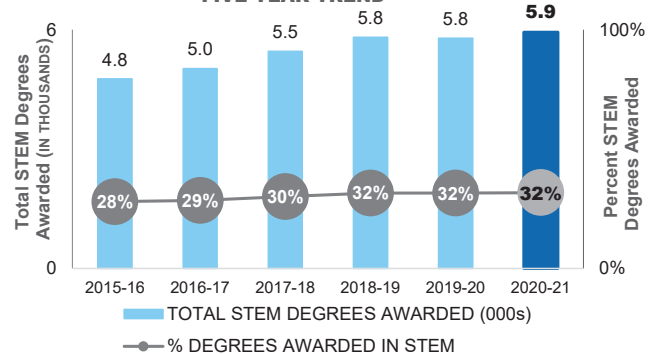
● **0**

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

▲ **4**

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

TOTAL STEM DEGREES AWARDED FIVE-YEAR TREND



SERVICE TO THE COMMONWEALTH

CERTIFICATES AWARDED IN STEM FIELDS

202

Total certificates awarded
in STEM fields
in 2020-21

▼ **4%**

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

▲ **14%**

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

15%

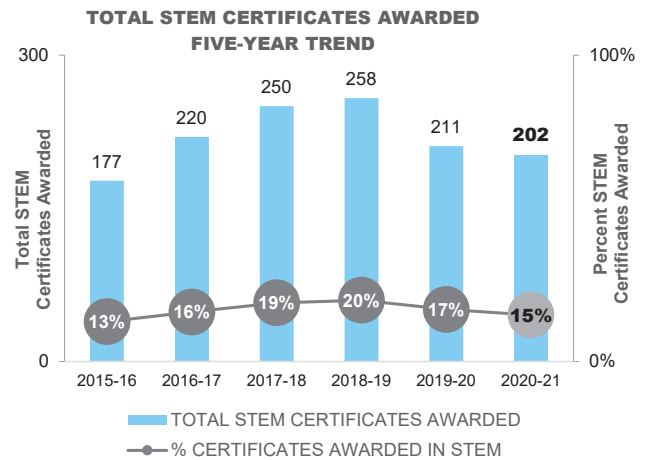
Percent of Total
certificates awarded in
STEM fields
in 2020-21

▼ **2**

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

▲ **2**

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



DEGREES AWARDED IN HEALTHCARE FIELDS

2.1k

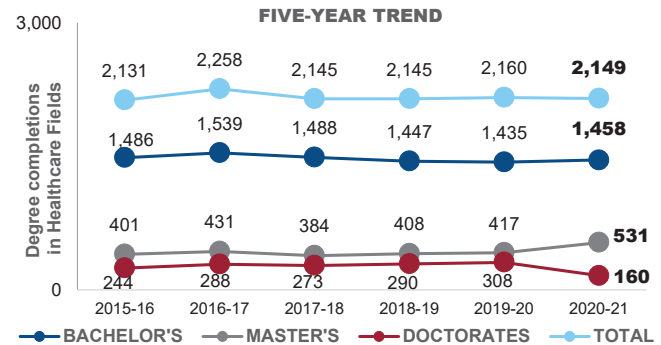
Total degrees awarded
in Healthcare fields
in 2020-21

▼ **1%**

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

▲ **1%**

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



CERTIFICATES AWARDED IN HEALTHCARE FIELDS

134

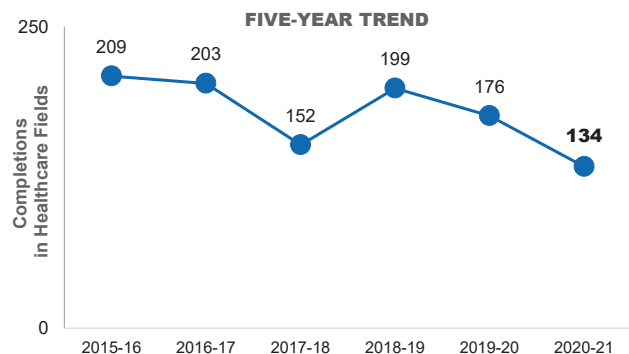
Total Certificates awarded
in Healthcare fields
in 2020-21

▼ **42**

One-year
nominal change
(vs. 2019-20)

▼ **75**

Five-year
nominal change
(vs. 2015-16)



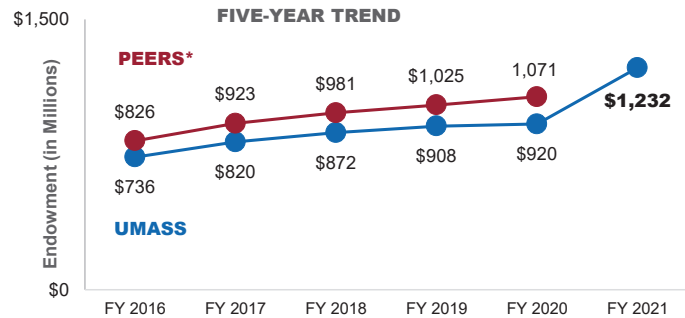
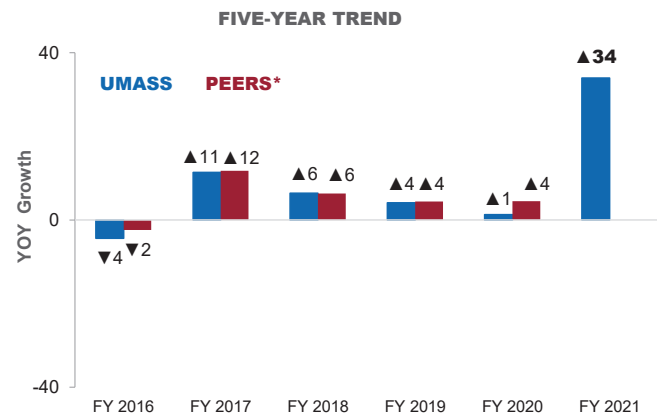
*Certificates Awarded data has been restated for Years before 2017-18.

FINANCIAL HEALTH

ENDOWMENT ASSETS

\$1,232Million
in FY 2021▲ **34%**One-year
% change
(vs. FY 2020)▲ **67%**Five-year
% change
(vs. FY 2016)

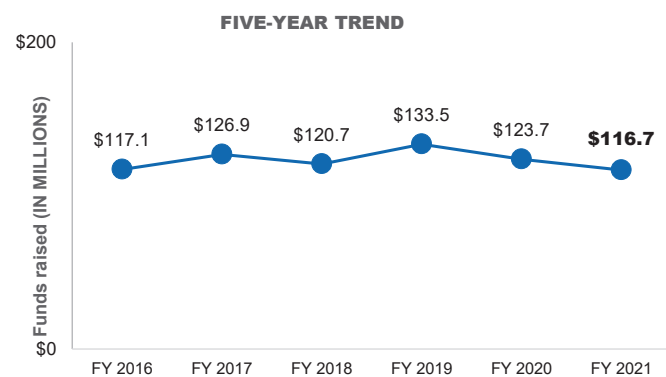
*Peers include U Colorado, U Connecticut, U Illinois, U Maine, U Maryland, U Missouri, and U New Hampshire. Peer endowment changed in FY15.

**34%**Annual Growth
in FY 2021▲ **33**One-year
% point change
(vs. FY 2020)▲ **38**Five-year
% point change
(vs. FY 2016)

PRIVATE FUNDS RAISED ANNUALLY*

\$116.7Million
in FY 2021▼ **6%**One-year
% change
(vs. FY 2020)▼ **0%**Five-year
% change
(vs. FY 2016)

*Includes cash, pledges and grants



FINANCIAL HEALTH

LONG-TERM BOND CREDIT RATINGS

Aa2

Moody's Rating
FY 2021

AA-

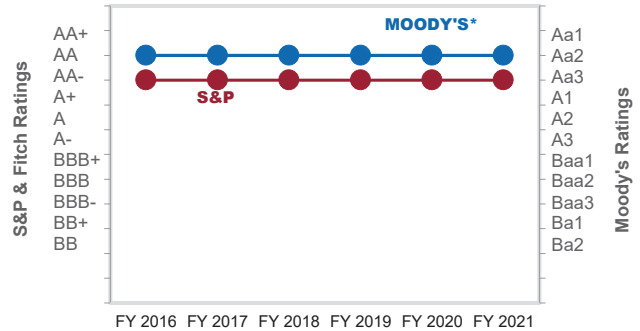
S&P Rating
FY 2021

AA

Fitch Rating
FY 2021

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

FIVE-YEAR TREND

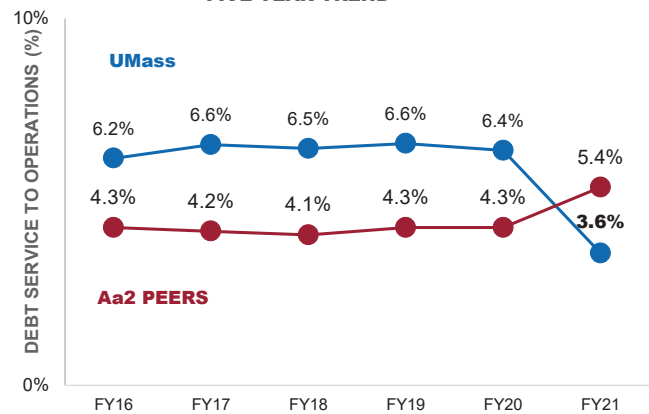


DEBT SERVICE TO OPERATIONS

4%

UMass Debt Service
to Operations
in FY21

FIVE-YEAR TREND

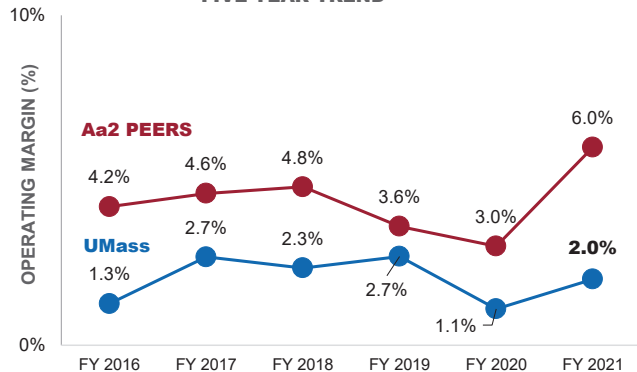


OPERATING MARGIN (%)

2%

UMass Operating
Margin
in FY 2021

FIVE-YEAR TREND

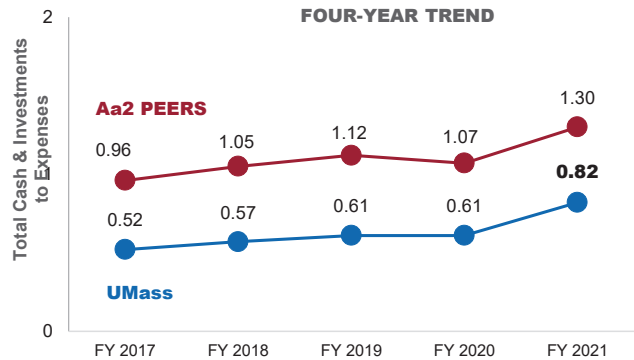


FINANCIAL HEALTH

TOTAL CASH & INVESTMENTS TO EXPENSES

0.82

Total Cash &
Investments to Expenses
in FY 2021



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.

Number of First-degree Bachelor-seeking Students Aged 25+. Number of currently enrolled first-degree bachelor-seeking students who are aged 25+ as of Sept 1 of the Fall semester.

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.

DEFINITIONS AND SOURCES

SERVICE TO THE COMMONWEALTH INDICATORS

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

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

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

Total Cash & Investments to Expenses. Indicates the university's financial flexibility and resilience, and its ability to generate investment income. (Cash & Investments – debt service reserve funds) / 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

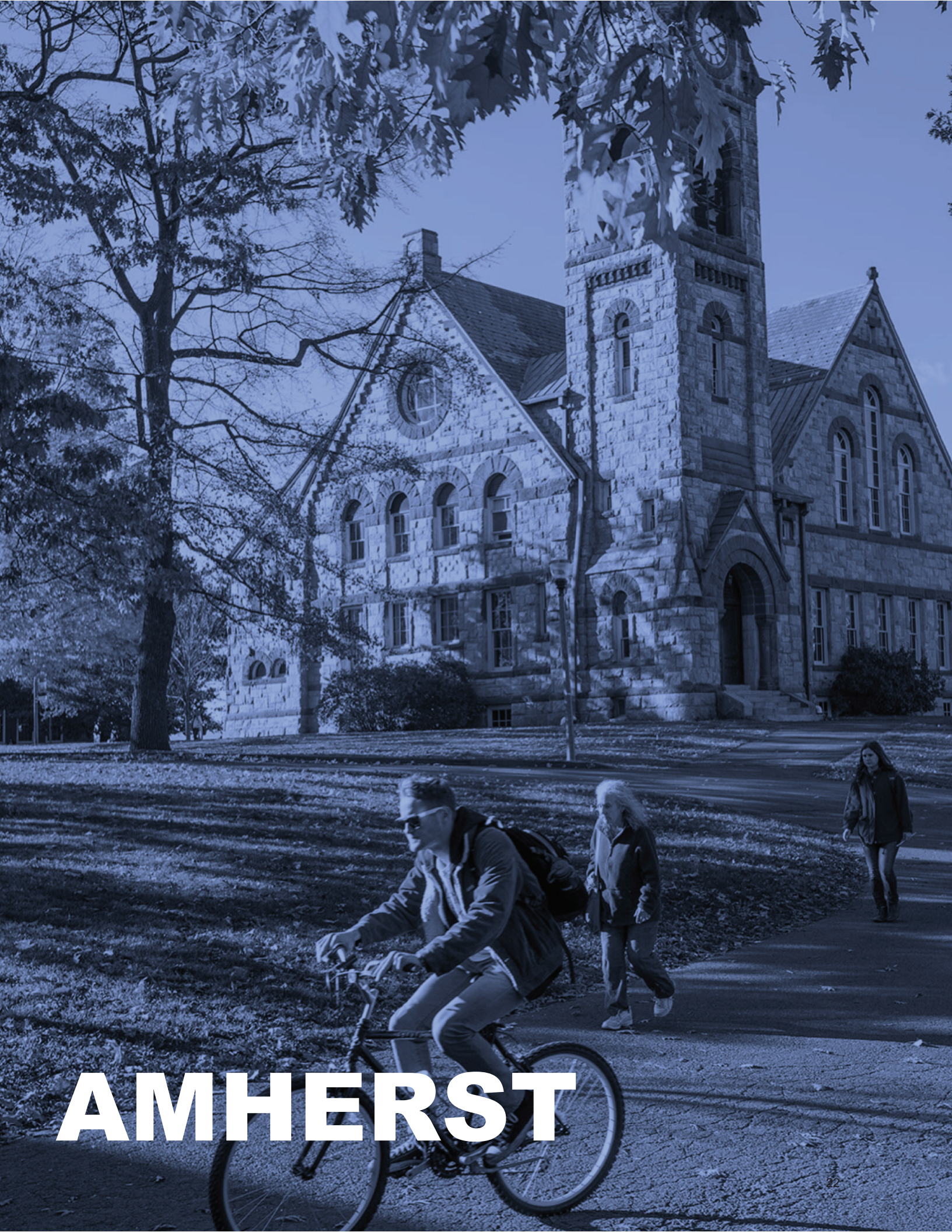
Nevada System of Higher Education, NV

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

Over the past decade, the University of Massachusetts Amherst has continued its rise in both reputation and excellence. It is one of the most improved institutions among top-tier public universities in America, consistently ranking in the top 30 of U.S. News and World Report's Best Colleges for the last seven years.

Although the Covid19 pandemic impacted university operations, the academic quality remained high. Indeed, UMass Amherst compares favorably with university peers in the Carnegie classification of doctoral institutions with very high research activity. The campus compares its progress to a group of ten peers.

All but two of the peers, the Universities of Connecticut and Delaware, are among 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 relatively 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 3.66 in 2012 to 3.99 in 2021. 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 2020 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 postdoctoral researchers. Though UMass Amherst is below the peer median for the number of doctoral degrees awarded, the awardees are just as diverse as 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 is similar to five years ago at around \$214 million. Per faculty, expenditures declined by 4% 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 major grant and fellowship program awards 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 1,300 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, while the total faculty has grown by 9% during the same time. 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 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. The campus continues to recognize its commitment to students with financial needs and has increased institutional need-based aid accordingly. In Fall 2020, 24% 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 proportion of

students graduating with debt continues to decrease.

Most UMass Amherst students have a positive educational experience. Ninety-one percent of students return for their sophomore year, and 84% graduate within six years from UMass Amherst, the highest graduation rate observed since the campus began tracking this metric. The campus

HEADLINES

ACCESS AND AFFORDABILITY

has seen a rapid improvement in the four-year graduation rate, which has increased from 66% for the Fall 2009 cohort to 76% for the Fall 2017 cohort. Retention and graduation rate

improvements have closed the gap with peer institutions, with the graduation rate now exceeding the median peer rate.

STUDENT SUCCESS AND SATISFACTION

The Undergraduate Student Success unit coordinates programs and cross-disciplinary teams to focus efforts on student onboarding, persistence, degree completion, and support for populations historically marginalized in higher education. The upheaval of the past two years reinforces a key tenant of student success: a strong sense of community contributes to resilience and academic aspirations. That emphasis on reliable infrastructures and interpersonal connections has guided our shared focus as we regain in-person normalcy for our campus community.

The framework of Inclusive Advising remains fundamental to our efforts, supporting timely degree completion, reinforcing help-seeking behaviors, and building the skill set among advising colleagues so that they are attentive and knowledgeable about issues of identity and community. Our partnership with EAB and their Navigate platform provides coordinated care and research-based guidance, aiding the identification and reduction of barriers to degree progress. Using Navigate, the Student Success unit oversees the Academic Alert program, allowing instructors to reach out to students struggling in their courses and connect them with academic supports and success strategies. Student Success works with the schools and colleges through the Success@UMass professional development series on advising best practices. Among these are the Learning Resource Center's course-based supplemental instruction (tutoring and peer-led study groups), their current pilot in study skills coaching, and the Student Success unit's Success Toolkit series. With many of our students experiencing campus for the first time in Fall 2021, it is not surprising that our Success Toolkit workshop on time management offered in-person and remotely was among our most popular, alongside some of the basics: notetaking, test-taking, and email skills.

A quarter of our undergraduates are among the first in their families to attend college. The "I Am First Gen" outreach campaign is designed to celebrate this identity as an essential part of the UMass story. Partnering with the UMass Alumni Association and their Connect UMass platform, we help first-gen students find one another and alumni who have walked a similar path. Reaching out to historically underserved students, we provide models of mentoring relationships and, aligning with our Career Development colleagues, teach students about the value of mentors and networking.

Partnerships for Advancing Completion Equity (PACE) is a cross-unit approach to addressing persistence barriers. This year a pilot program was launched from the Provost's Office to reduce the achievement gap in retention beyond the first year for our students of color. Financial insecurity and low credit accumulation can multiply for some students from one semester to the next. PACE combined new data-driven insights with individualized outreach to smooth the paths for vulnerable students. In conjunction with our Senior Completion Committee, PACE offered grants to students struggling to meet their final financial obligations and complete their degrees on time.

With the rising concern for college student mental health nationwide, the Student Success unit prioritizes building resilience as a life skill. As part of the campus JED Team emphasizing self-harm reduction, we specifically view the social connection as prevention. We provide instructors of First-Year Seminars and new student Residential Academic Programs (RAP) courses with materials to engage students in these small class settings and help them feel connected on campus. We have also embedded wellbeing sessions into the RAP meetings. Additionally, we have framed our unit's social media messaging to embrace a growth mindset, and the Trajectory Student Success podcast reinforces individual storytelling and

HEADLINES

STUDENT SUCCESS AND SATISFACTION

belonging, amplifying stories from historically marginalized groups.

The campus has seen an increase in the diversity of the student body. The Fall 2021 entering first-year class contains 34% 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

economic downturn 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 collaboration with employers and alumni provided networking opportunities and "up-to-the-minute" notification of open positions. Career staff and employers developed new ways to engage with students and provide experiential learning through micro-internships and portfolios. The campus hosted 24 career fairs and 650 employer recruitment events over the past year. For the Class of 2021, 86% reported being either employed or attending graduate school, with over 1,300 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 2020-2021, 35% of degrees awarded at the undergraduate level and 34% awarded at the graduate level 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 that they are aligned with these campus objectives.

UMass Amherst is in the quiet phase of a comprehensive campaign to secure private support for students, faculty, programs, and facilities. The Office of Advancement is partnering with stakeholders across the campus and volunteer leadership to secure lead gifts for the campaign. Over the past year, naming gifts for the Elaine Marieb College of Nursing, the Robert and Donna Manning College of Information and Computer Sciences, and the Paros Center for Atmospheric Research contributed to a record-breaking

HEADLINES

FINANCIAL HEALTH

fundraising year, with new gifts and commitments totaling more than \$115 million.

In addition to these extraordinary philanthropic investments, the number of significant gifts (\$25,000 - \$999,999) and principal gifts (\$1 million+) has increased by more than 50 percent over the previous year. A key contributor to these results is the State of Massachusetts endowment matching program, which helped UMass Amherst secure more than \$55 million in new endowment commitments this year.

In total, giving from individuals has increased by more than 100 percent over the previous year. Meanwhile, grants from private foundations, which have been growing yearly, reached a new high of nearly \$40 million in 2021-2022.

Over the past year, Advancement has leveraged in-person and virtual engagement activities, enhanced by associated communications and targeted messaging, to promote alumni and student participation and expand and strengthen future donor pipelines. Also, through the recent expansion of Advancement's online community, Connect UMass, nearly 9,000 alumni and students have registered to connect with other community members through mentoring activities, industry-based Career Communities, and various regional and affinity groups.

Amherst is continuing to build its Advancement team in preparation for the campaign's public phase and hired 18 new staff in FY22.

AT-A-GLANCE

ACADEMIC QUALITY

• Average HS GPA of Freshmen	3.99	• Percent Tenured/Tenure-Track Faculty FTE	69%
• Average SAT Scores of Freshmen		• Faculty FTE	1565
• <i>Arithmetic Mean</i>	1352	• Full-Time Instructional Faculty	
• <i>25th – 75th Percentile</i>	1250-1460	• <i>Percent Faculty-of-Color</i>	26%
• Average GPA of Entering Transfer Students	3.41	• <i>Percent Women Faculty</i>	46%
• Student-Faculty Ratio	18:1	• Faculty Awards	20
• Technology-Enhanced Classrooms	305		

ACCESS AND AFFORDABILITY

• Percent Undergraduates from Students from MA	76%	• Percent In-State Pell Grant Recipients	24%
• Percent Undergraduates who are Students of Color	33%	• 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)	\$31,623
• Percent First-Time Undergraduates who are First Generation in College	22%	• Percent Graduating Class with Debt (UG)	62%
• Percent First-Time Undergraduates with English as a Second Language	14%	• Total Students who Participated in a Study Abroad Program	115
• Percent Undergraduates Who Are Of Transfer Origin	20%	• Online Course Registrations	38,066
• Number of First-degree Bachelor-seeking Students Aged 25+	1,246	• Percentage of degree-seeking students taking at least one online course who were full time and fully online.	71%
• Dual Enrollment Students (Headcount)	2		

STUDENT SUCCESS AND SATISFACTION

• Freshmen One-Year Retention Rate	91%	• Transfer (Full-time) One-Year Retention Rate	89%
• Freshmen Four-Year Graduation Rate	76%	• Transfer (Upper Division) Four-Year Graduation Rate	81%
• Freshmen Six-Year Graduation Rate	84%	• Student Satisfaction With Educational Experience	88%
• Freshmen Twelve-Semester Graduation Rate	79%	• Alumni Participation Rate	7%

AT-A-GLANCE

SERVICE TO THE COMMONWEALTH

• Degree Completions	8,290	• Degrees Awarded in STEM Fields	2,897
<i>Bachelor's</i>	6,274	<i>Undergraduate</i>	2,209
<i>Master's</i>	1,697	<i>Graduate</i>	688
<i>Doctorates</i>	319	• Certificates Awarded in STEM Fields	77
• Patent Applications	14	• Degrees Awarded in Healthcare Fields	692
• Total R&D Expenditures	\$214M	<i>Undergraduate</i>	506
• Total R&D Expenditures Ranking	113	<i>Graduate</i>	186
• Total R&D Expenditures Ranking among Carnegie Peers, US Publics, Non-Medical	12	• Certificates Awarded in Healthcare Fields	48
• Total R&D Expenditures per Tenure System Faculty	\$188,557	• License Income	\$605,163
		• Percent Alumni who Remain in MA	52%

FINANCIAL HEALTH

• Total Endowment	\$493.6M	• Total Cash & Investments to Expenses	0.79
• Annual Growth in Endowment	34.0%	• Debt Service Burden	6.8%
• Endowment per Annualized Student FTE	\$15,704	• Operating Margin (%)	-0.9%
• Private Funds Raised Annually	\$48.1M		

ACADEMIC QUALITY

AVERAGE HIGH-SCHOOL GPA OF FIRST-TIME FRESHMEN

3.99

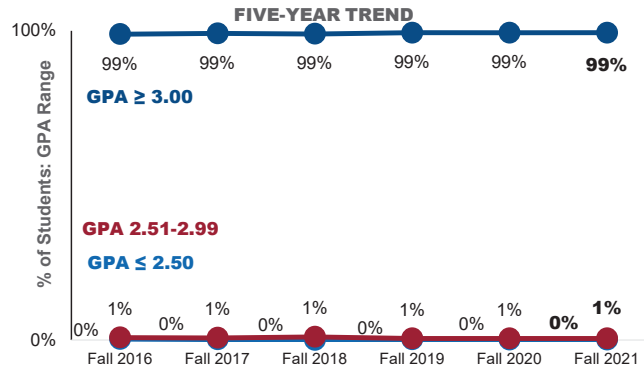
Average HS
GPA
in Fall 2021

▲ **0.06**

One-year
nominal change
(vs. Fall 2020)

▲ **0.16**

Five-year
nominal change
(vs. Fall 2016)



SAT SCORES OF FRESHMEN

1460

SAT Scores of Freshmen
75th Percentile
in Fall 2021

▲ **70**

One-year
nominal change
(vs. Fall 2020)

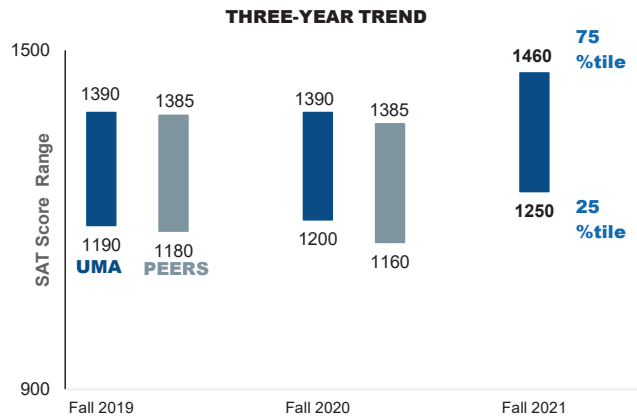
1250

SAT Scores of Freshmen
25th Percentile
in Fall 2021

▲ **50**

One-year
nominal change
(vs. Fall 2020)

*Test scores became optional in Fall 2021.

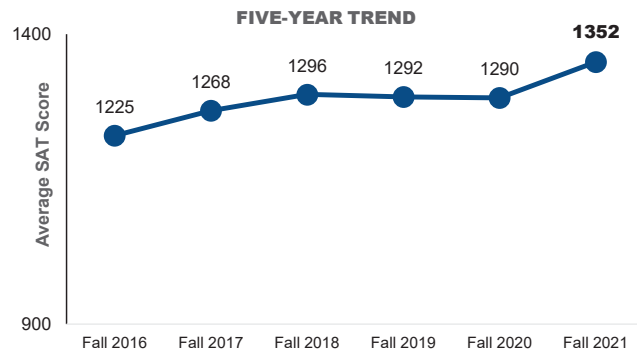


1352

Average SAT Scores
of Freshmen
in Fall 2021

▲ **62**

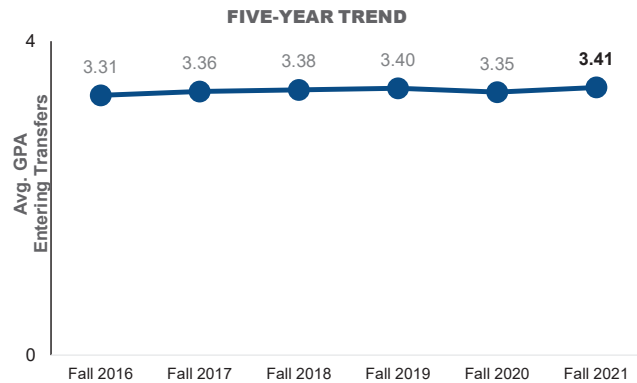
One-year
nominal change
(vs. Fall 2020)



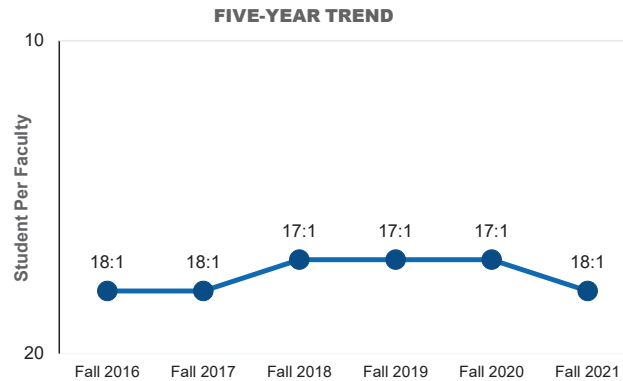
*Test scores became optional in Fall 2021.

ACADEMIC QUALITY

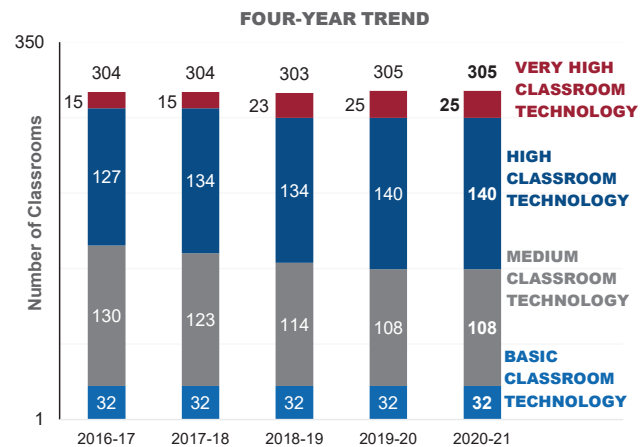
AVERAGE GPA OF ENTERING TRANSFER STUDENTS

3.41Average transfer
GPA
in Fall 2021▲ **0.06**One-year
nominal change
(vs. Fall 2020)▲ **0.10**Five-year
nominal change
(vs. Fall 2016)

STUDENT-FACULTY RATIO

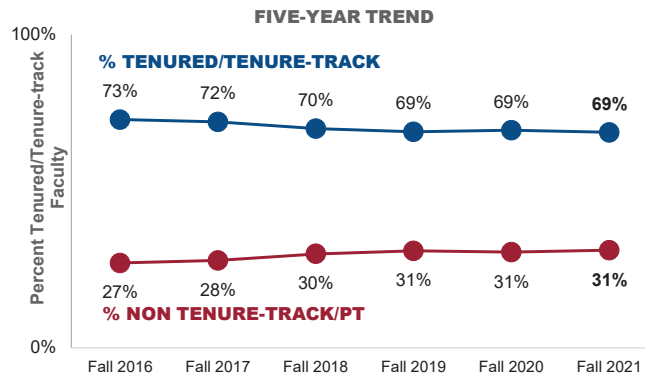
18:1Student-Faculty
Ratio
in Fall 2021▼ **1**One-year
nominal change
(vs. Fall 2020)• **0**Five-year
nominal change
(vs. Fall 2016)

TECHNOLOGY-ENHANCED CLASSROOMS

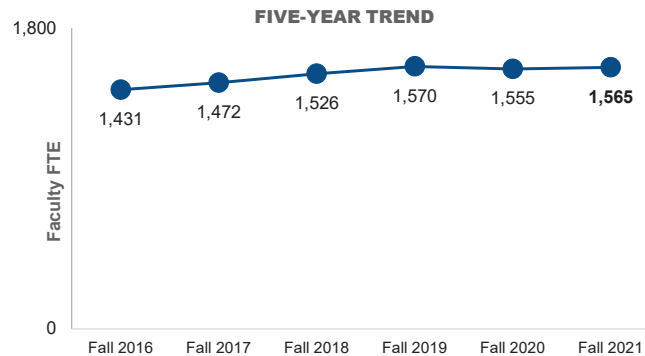
305Total Technology
Enhanced Classrooms
in 2020-21• **0%**One-year
% change
(vs. 2019-20)• **0%**Four-year
% change
(vs. 2016-17)

ACADEMIC QUALITY

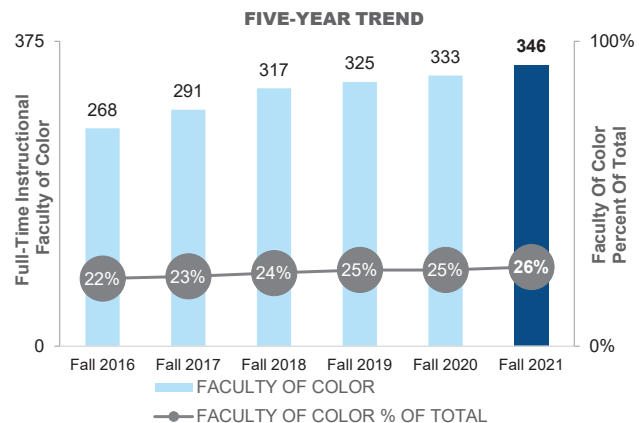
PERCENT TENURED/TENURE-TRACK FACULTY FTE

69%Percent Tenured/
Tenure-track Faculty
in Fall 2021**0**One-year
% point change
(vs. Fall 2020)**▼ 4**Five-year
% point change
(vs. Fall 2016)

FACULTY FTE

1565Faculty FTE
in Fall 2021**▲ 1%**One-year
% change
(vs. Fall 2020)**▲ 9%**Five-year
% change
(vs. Fall 2016)

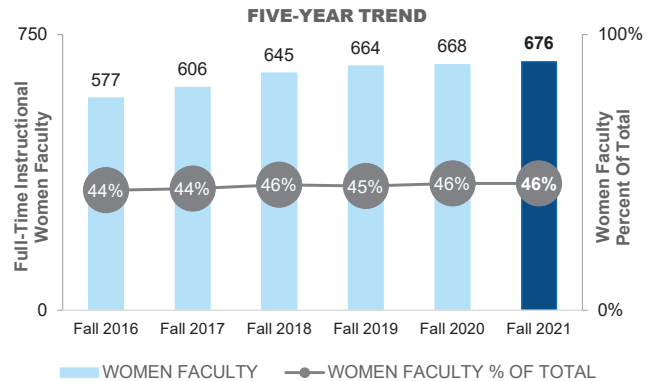
FACULTY-OF-COLOR

346Faculty Of Color
in Fall 2021**▲ 13**One-year
nominal change
(vs. Fall 2020)**▲ 78**Five-year
nominal change
(vs. Fall 2016)**26%**Percent of
Faculty Of Color
in Fall 2021**▲ 1**One-year
% point
(vs. Fall 2020)**▲ 4**Five-year
% point
(vs. Fall 2016)

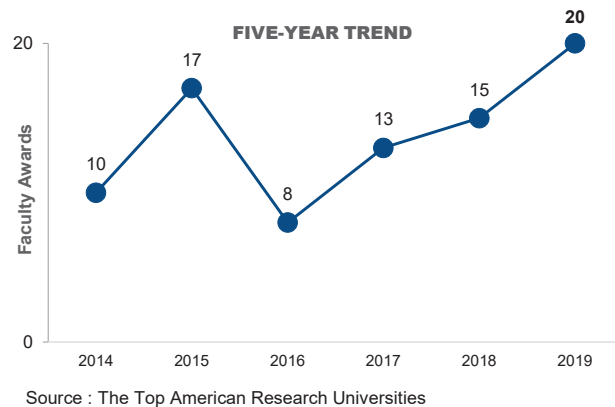
Faculty-of-Color based on US Citizens/Permanent Residents reporting Race/Ethnicity according to new IPEDS definitions.

ACADEMIC QUALITY

WOMEN FACULTY

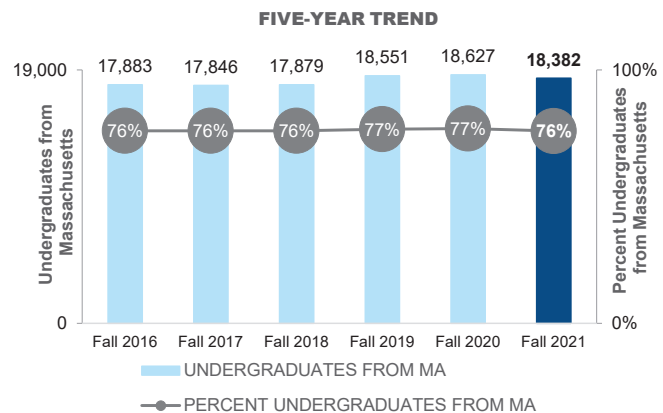
676Women Faculty
in Fall 2021▲ **8**One-year
nominal change
(vs. Fall 2020)▲ **99**Five-year
nominal change
(vs. Fall 2016)**46%**Percent of
Women Faculty
in Fall 2021● **0**One-year
nominal change
(vs. Fall 2020)▲ **2**Five-year
nominal change
(vs. Fall 2016)

FACULTY AWARDS

20Faculty Awards
in 2019▲ **5**One-year
nominal change
(vs. 2018)▲ **10**Five-year
nominal change
(vs. 2014)

ACCESS AND AFFORDABILITY

UNDERGRADUATES FROM MASSACHUSETTS

18,382Undergraduates from
Massachusetts
in Fall 2021▼ **1%**One-year
% change
(vs. Fall 2020)▲ **3%**Five-year
% change
(vs. Fall 2016)**76%**% Undergraduates
from Massachusetts
in Fall 2021▼ **1**One-year
% point change
(vs. Fall 2020)● **0**Five-year
% point change
(vs. Fall 2016)

ACCESS AND AFFORDABILITY

UNDERGRADUATE STUDENTS OF COLOR

7,017

Undergraduates
Students of Color
in Fall 2021

▲ **6%**

One-year
% change
(vs. Fall 2020)

▲ **36%**

Five-year
% change
(vs. Fall 2016)

33%

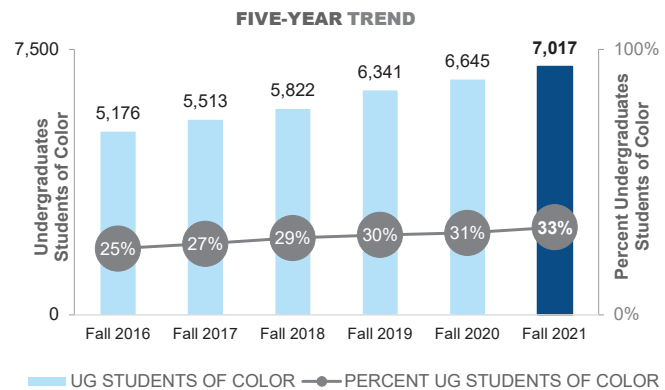
% Undergraduates
Students of Color
in Fall 2021

▲ **2**

One-year
% point change
(vs. Fall 2020)

▲ **8**

Five-year
% point change
(vs. Fall 2016)



UNDERGRADUATES WHO ARE INTERNATIONAL

1,687

International UG
Enrollment
in Fall 2021

▲ **1%**

One-year
% change
(vs. Fall 2020)

▲ **37%**

Five-year
% change
(vs. Fall 2016)

7%

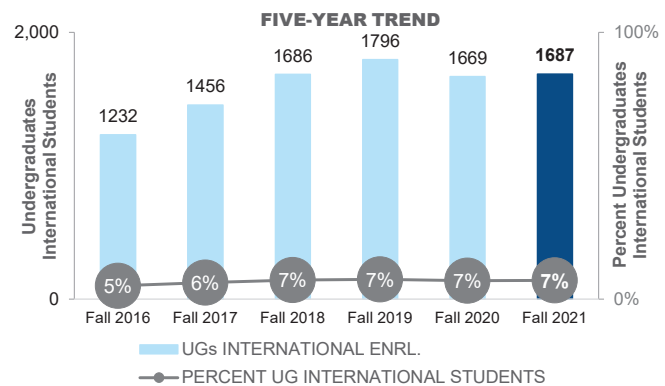
% International UG
Enrollment
in Fall 2021

● **0**

One-year
% point change
(vs. Fall 2020)

▲ **2**

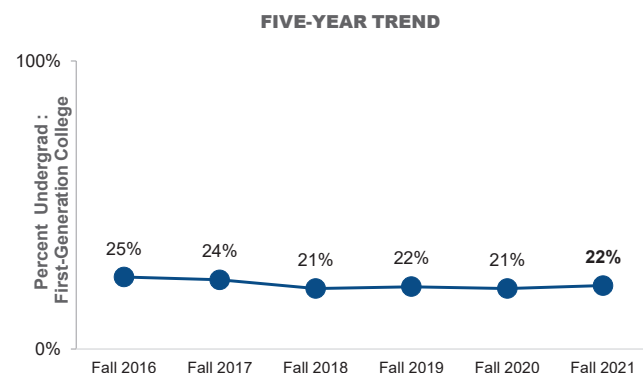
Five-year
% point change
(vs. Fall 2016)



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

22%

Percent first-time
Undergraduates
who are First-Generation
College in Fall 2021



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

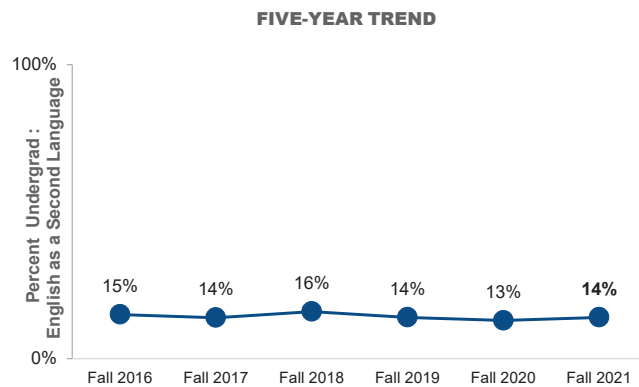
ACCESS AND AFFORDABILITY

PERCENT FIRST-TIME UNDERGRADUATES WITH ENGLISH AS A SECOND LANGUAGE

14%

Percent Undergraduates
Speak English as a
Second Language
in Fall 2021

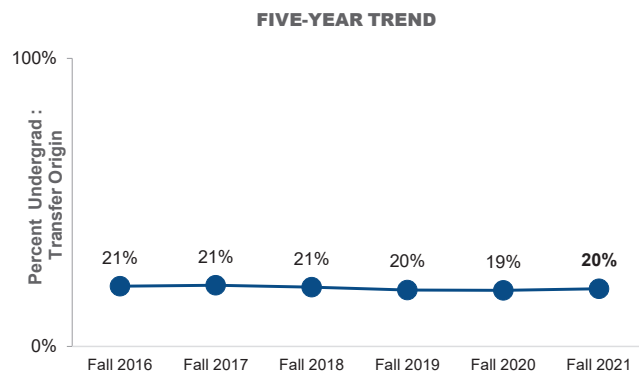
*The data source prior to 2018 is based on survey responses,
2018 to present is based on Common Application responses.



PERCENT UNDERGRADUATES WHO ARE OF TRANSFER ORIGIN

20%

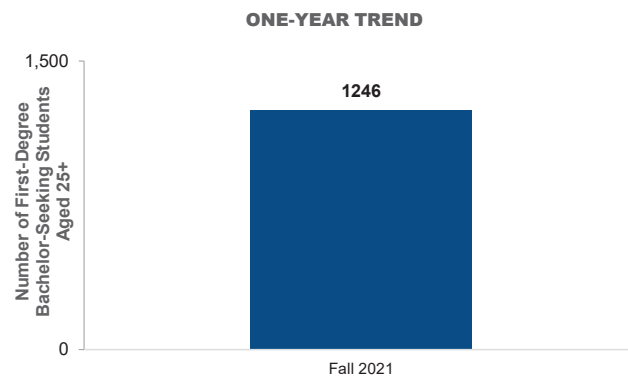
Percent Undergraduates
who are of Transfer-Origin
in Fall 2021



NUMBER OF FIRST-DEGREE BACHELOR-SEEKING STUDENTS AGED 25+

1246

Number of First-Degree
Bachelor-Seeking
Students Aged 25+
in Fall 2021



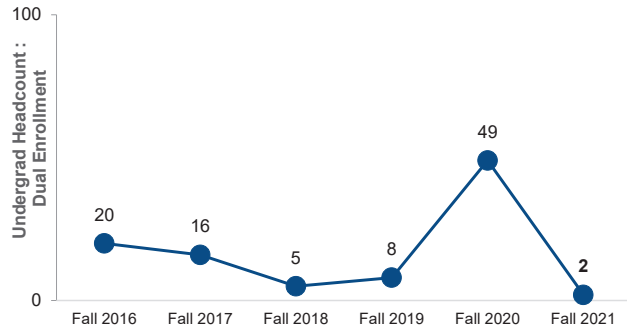
ACCESS AND AFFORDABILITY

DUAL ENROLLMENT STUDENTS (HEADCOUNT)

2

Dual Enrolled
Students
in Fall 2021

FIVE-YEAR TREND



PERCENT IN-STATE PELL GRANT RECIPIENTS

24%

Percent (In-State)
Pell Grant Recipients
in Fall 2020

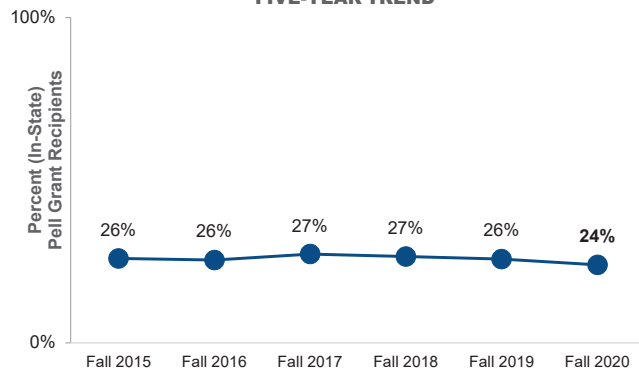
▼ **2**

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

▼ **2**

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

FIVE-YEAR TREND



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

83%

Percent Need Met for
(In-State) Need-Based
Aid in 2020-21

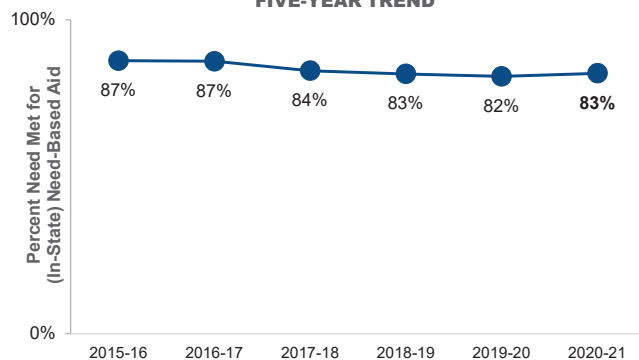
▲ **1**

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

▼ **4**

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

FIVE-YEAR TREND



ACCESS AND AFFORDABILITY

UNDERGRADUATE STUDENT DEBT LOAD OF GRADUATING CLASS

\$31.6k

Average Debt Load
in 2021

▼ **4%**

One-year
% change
(vs. 2020)

▲ **1%**

Five-year
% change
(vs. 2016)

62%

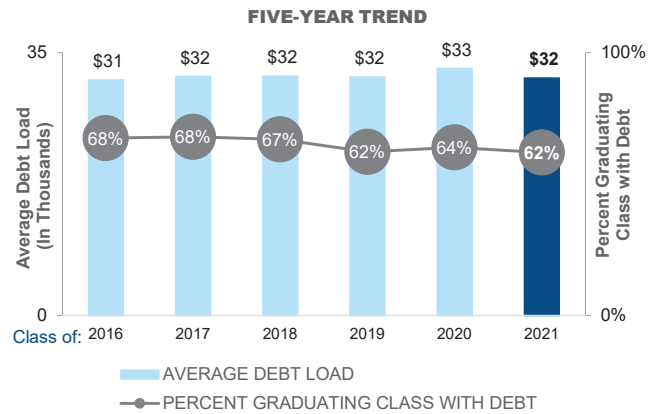
Percent Graduating
Class with Debt
in 2021

▼ **2**

One-year
% point change
(vs. 2020)

▼ **6**

Five-year
% point change
(vs. 2016)



TOTAL STUDENTS WHO PARTICIPATED IN A STUDY ABROAD PROGRAM

115

Students who participated
in Study Abroad
in Fall 2020-Smr.21

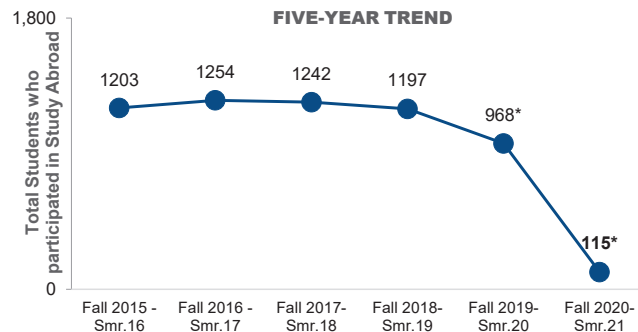
▼ **853**

One-year
nominal change
vs. Fall 2019-Smr.20

▼ **1088**

Five-year
nominal change
vs Fall 2015 -Smr.16

*Terms effected by pandemic



TOTAL ONLINE COURSE REGISTRATIONS

38,066

Online Course
Registrations
in FY 2020-21

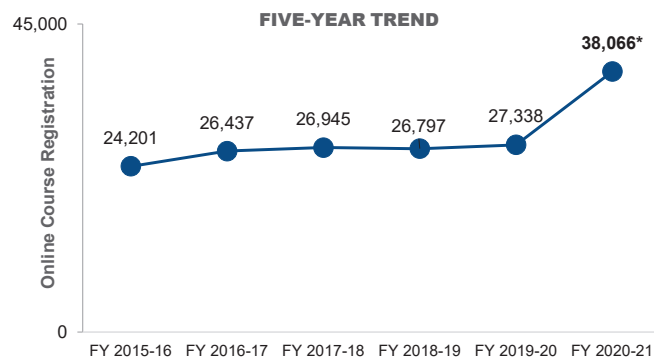
▲ **39%**

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

▲ **57%**

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

*Terms effected by pandemic



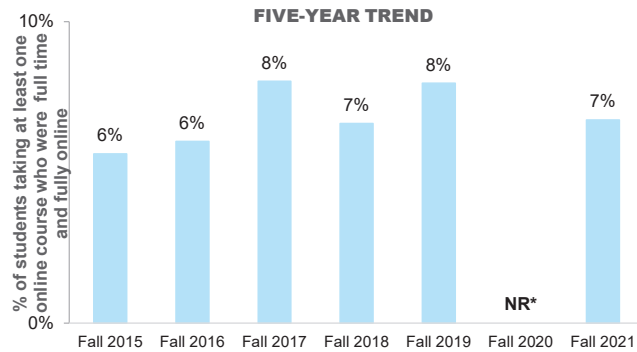
ACCESS AND AFFORDABILITY

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

7%

Students taking at least one online course who were full time and fully online in Fall 2021

*Data not reported, as all students shifted to online learning during the pandemic



STUDENT SUCCESS AND SATISFACTION

FRESHMEN ONE-YEAR RETENTION RATE

91%

Freshmen One-Year Retention Rate in Fall 2021

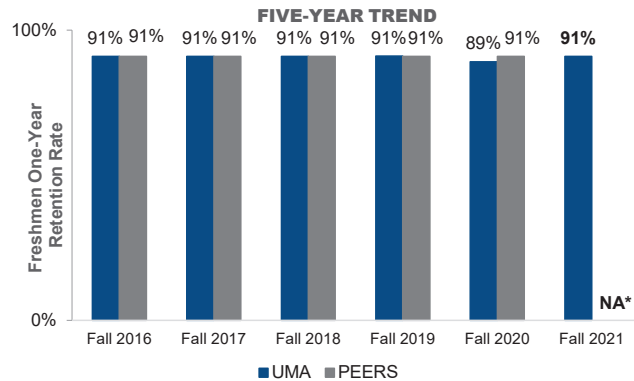
▲ 2

One-year % point change (vs. Fall 2020)

● 0

Five-year point (vs. Fall 2016)

*Peer data for Fall 2021 not available for reporting purposes.



FRESHMEN FOUR-YEAR GRADUATION RATES

76%

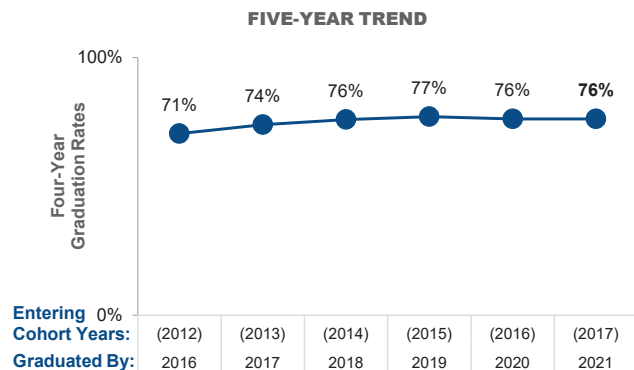
Freshmen Four-Year Graduation Rates in 2021

● 0

One-year % point change (vs. 2020)

▲ 5

Five-year % point change (vs. 2016)



STUDENT SUCCESS AND SATISFACTION

FRESHMEN SIX-YEAR GRADUATION RATE

84%

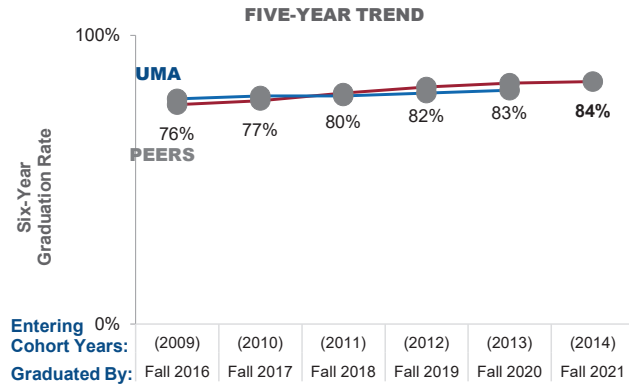
UMA Freshmen Six-Year
Graduation Rates
in Fall 2021

▲ **1**

One-year
% point change
(vs. Fall 2020)

▲ **8**

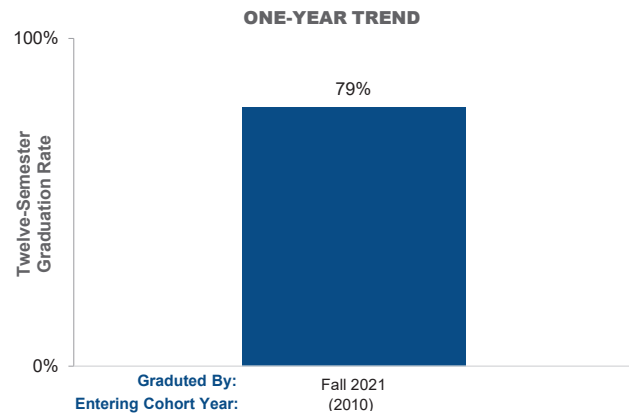
Five-year
% point change
(vs. Fall 2016)



FRESHMEN TWELVE-SEMESTER GRADUATION RATE

79%

UMA Freshmen
Twelve-semester
Graduation Rates
in Fall 2021



TRANSFER (FULL-TIME) ONE-YEAR RETENTION RATE

89%

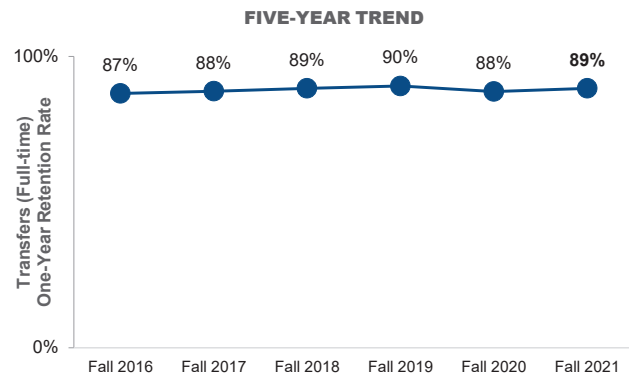
Transfers (Full-time)
One-Year
Retention Rate
in Fall 2021

▲ **1**

One-year
% point change
(vs. Fall 2020)

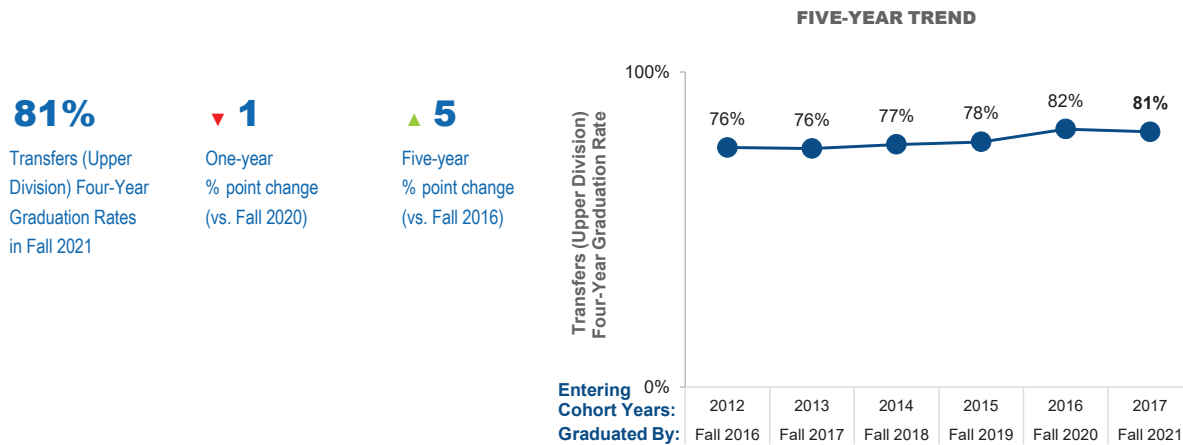
▲ **2**

Five-year
% point change
(vs. Fall 2016)

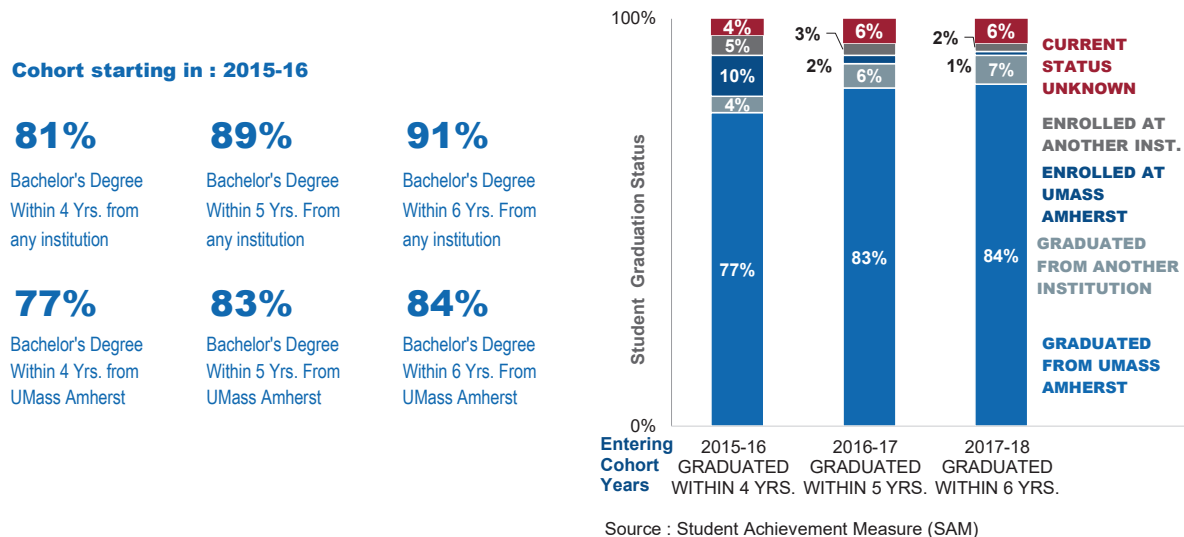


STUDENT SUCCESS AND SATISFACTION

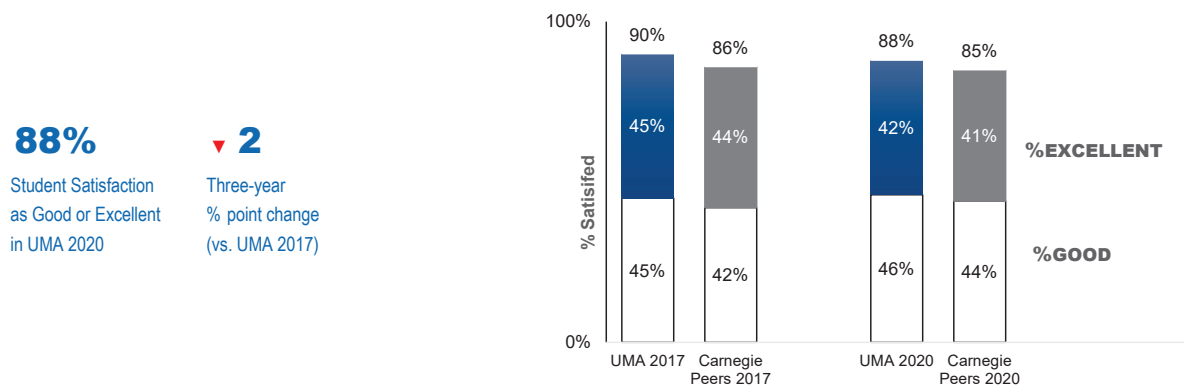
TRANSFER (UPPER DIVISION) FOUR-YEAR GRADUATION RATE



STUDENT ACHIEVEMENT MEASURE



STUDENT SATISFACTION WITH EDUCATIONAL EXPERIENCE



STUDENT SUCCESS AND SATISFACTION

ALUMNI PARTICIPATION RATE

7%

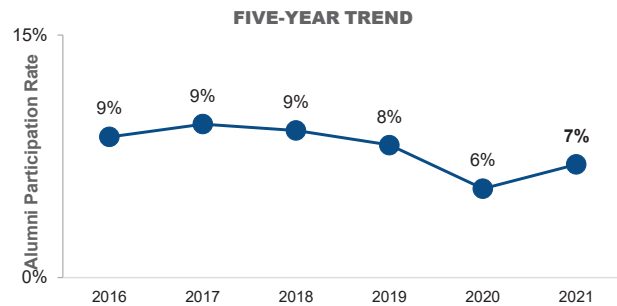
Alumni Participation
Rate
in 2021

▲ 1

One-year
% point change
(vs. 2020)

▼ 2

Five-year
% point change
(vs. 2016)



SERVICE TO THE COMMONWEALTH

DEGREE COMPLETIONS

8,290

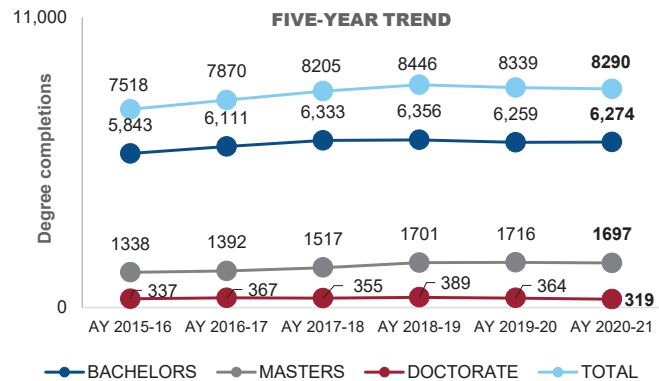
Total degree
completions
AY 2020-21

▼ 1%

One-year
% change
in total degree
completions
(vs. AY 2019-20)

▲ 10%

Five-year
% change
in total degree
completions
(vs. AY 2015-16)



NUMBER OF PATENT APPLICATIONS

14

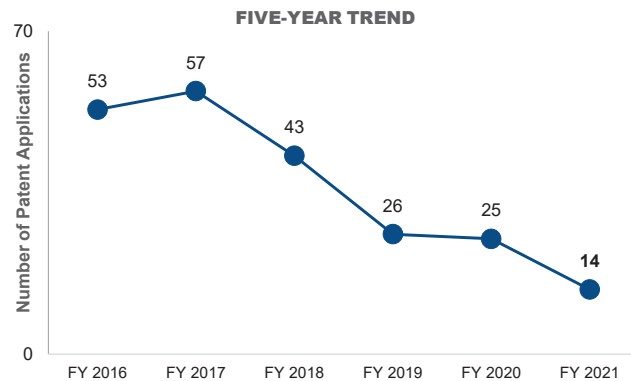
Patent
Applications
in FY 2021

▼ 11

One-year
nominal change
(vs. FY 2020)

▼ 39

Five-year
nominal change
(vs. FY 2016)



SERVICE TO THE COMMONWEALTH

TOTAL R&D EXPENDITURES

\$213.8

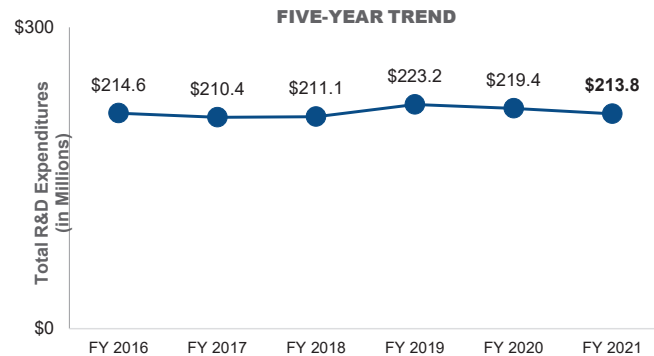
Million
in FY 2021

▼ **3%**

One-year
% change
(vs. FY 2020)

• **0%**

Five-year
% change
(vs. FY 2016)



TOTAL R&D EXPENDITURES RANKINGS

113

Total R&D Expenditures
Overall Rankings
in FY 2020

▼ **4**

One-year
nominal change
(vs. FY 2019)

▼ **13**

Five-year
nominal change
(vs. FY 2015)

12

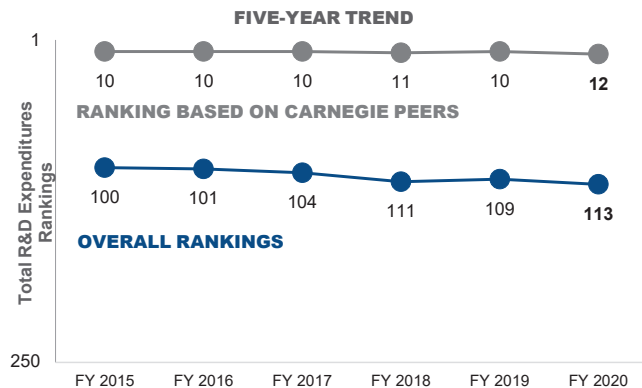
Rankings based on
Carnegie Peers
in FY 2020

▼ **2**

One-year
nominal change
(vs. FY 2019)

▼ **2**

Five-year
nominal change
(vs. FY 2015)



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

\$189k

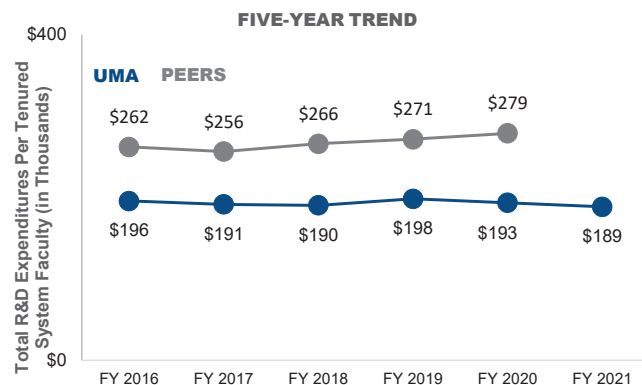
Total R&D Expenditure
Per Tenured
System Faculty
in FY 2021

▼ **3%**

One-year
% change
(vs. FY 2020)

▼ **4%**

Five-year
% change
(vs. FY 2016)



* Peer data for FY 2021 is currently not available.

SERVICE TO THE COMMONWEALTH

DEGREES AWARDED IN STEM FIELDS

2,209

UG degrees awarded
in STEM fields
in 2020-21

▼ **2%**

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

▲ **19%**

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

35%

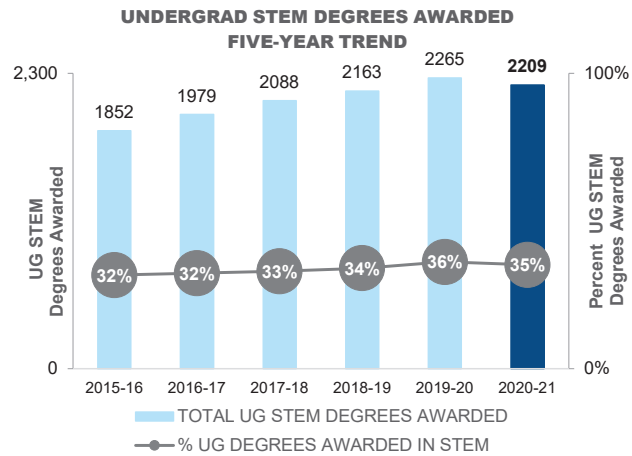
Percent of total UG
degrees awarded in
STEM fields
in 2020-21

▼ **1**

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

▲ **4**

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



688

Grad degrees awarded
in STEM fields
in 2020-21

▼ **2%**

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

▲ **34%**

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

34%

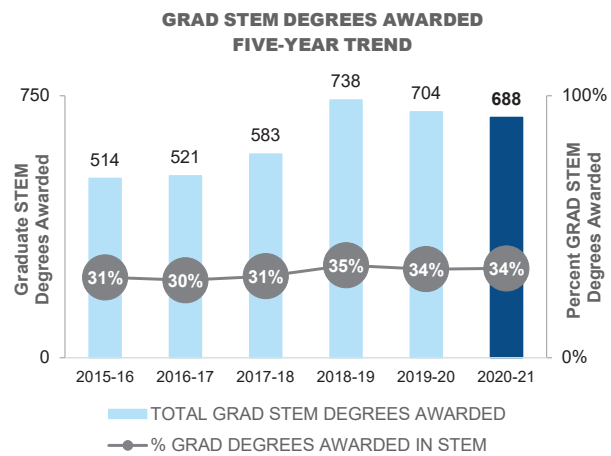
Percent of total Grad
degrees awarded in
STEM fields
in 2020-21

● **0**

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

▲ **3**

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



*Prior years can look different now
due to CIP code and STEM designation changes.

2,897

Total degrees awarded
in STEM fields
in 2020-21

▼ **2%**

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

▲ **22%**

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

35%

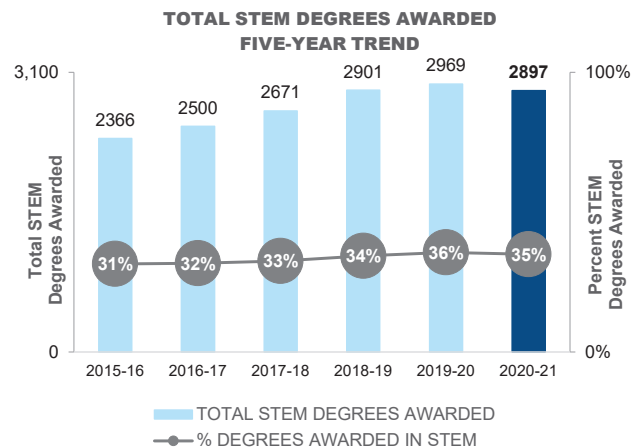
Percent of Total
degrees awarded in
STEM fields
in 2020-21

▼ **1**

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

▲ **3**

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



SERVICE TO THE COMMONWEALTH

CERTIFICATES AWARDED IN STEM FIELDS

77

Total Certificates awarded
in STEM fields
in 2020-21

▲ 3

One-year
nominal change
(vs. 2019-20)

▲ 37

Five-year
nominal change
(vs. 2015-16)

11%

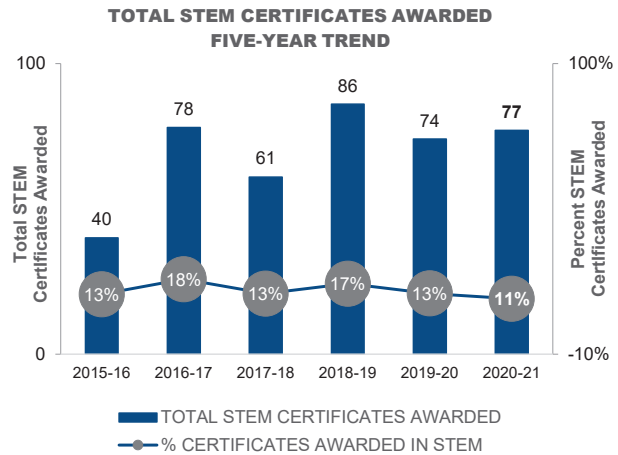
Percent of Total
Certificates awarded in
STEM fields
in 2020-21

▼ 2

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

▼ 2

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



DEGREES AWARDED IN HEALTHCARE FIELDS

692

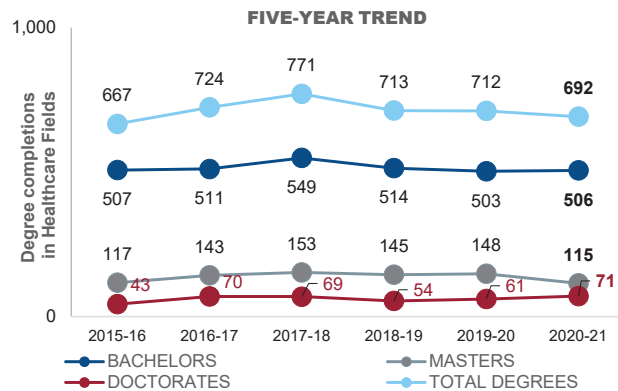
Total degrees awarded
in HealthCare fields
in 2020-21

▼ 3%

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

▲ 4%

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



CERTIFICATES AWARDED IN HEALTHCARE FIELDS

48

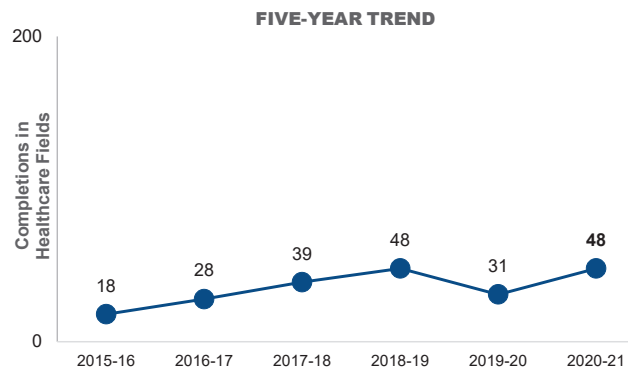
Total Certificates awarded
in HealthCare fields
in 2020-21

▲ 55%

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

▲ 167%

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



SERVICE TO THE COMMONWEALTH

LICENSE INCOME

\$605.2k

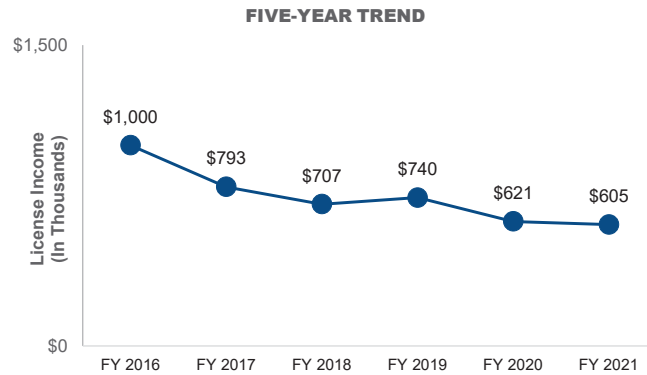
License Income
in FY 2021

▼ **3%**

One-year
% change
(vs. FY 2020)

▼ **39%**

Five-year
% change
(vs. FY 2016)



PERCENT ALUMNI WHO LIVE IN MASSACHUSETTS

52%

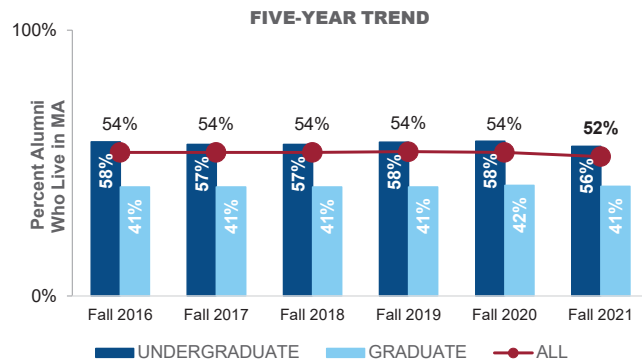
Of all UMass Alumni
live in the Commonwealth
in Fall 2021

▼ **2**

One-year
% point change
(vs. Fall 2020)

▼ **2**

Five-year
% point change
(vs. Fall 2016)



FINANCIAL HEALTH

ENDOWMENT ASSETS AND ANNUAL GROWTH IN ENDOWMENT

\$494M

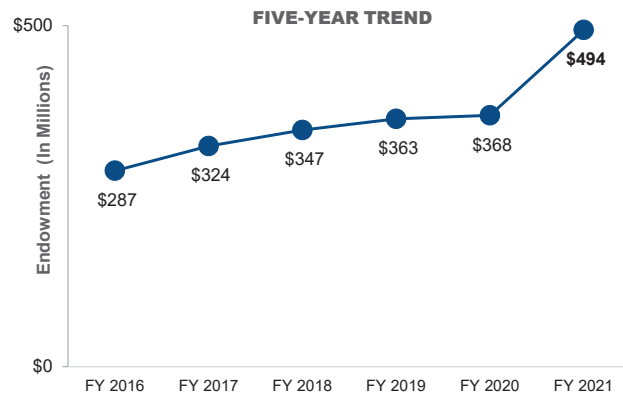
Endowment Assets
in FY 2021

▲ **34%**

One-year
% change
(vs. FY 2020)

▲ **72%**

Five-year
% change
(vs. FY 2016)



FINANCIAL HEALTH

ENDOWMENT ASSETS AND ANNUAL GROWTH IN ENDOWMENT

34%

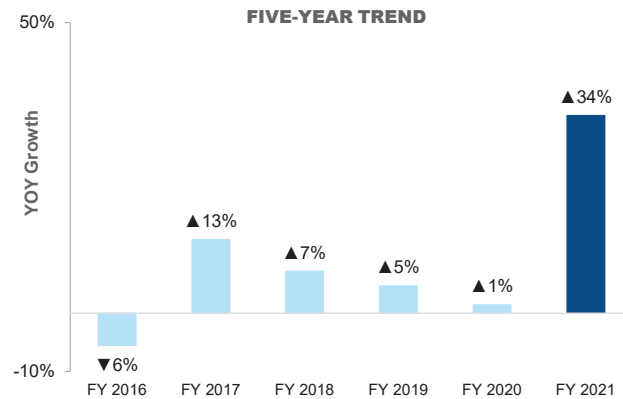
Annual Growth
in FY 2021

33

One-year
% point change
(vs. FY 2020)

40

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



ENDOWMENT PER ANNUALIZED STUDENT FTE

\$15.7k

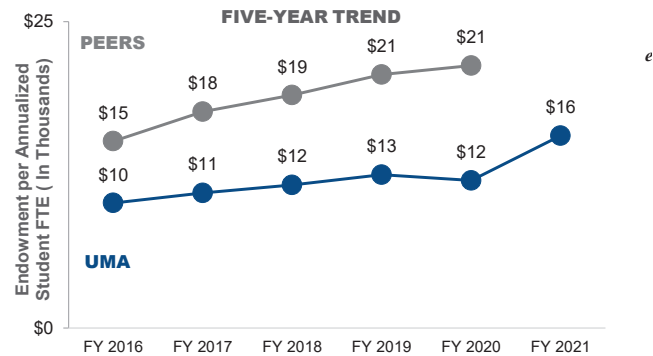
Endowment per Annualized
Student FTE
in FY 2021

30%

One-year
% change
(vs. FY 2020)

54%

Five-year
% change
(vs. FY 2016)



* Peer data for FY 2021 not available for reporting purposes.

PRIVATE FUNDS RAISED ANNUALLY

\$48.1M

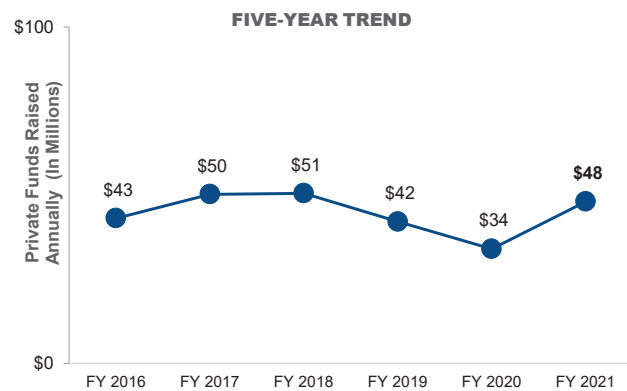
Private Funds
Raised Annually
in FY 2021

41%

One-year
% change
(vs. FY 2020)

11%

Five-year
% change
(vs. FY 2016)

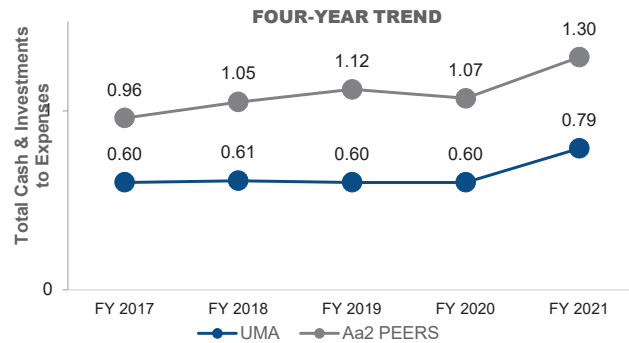


FINANCIAL HEALTH

TOTAL CASH & INVESTMENTS TO EXPENSES

0.79

Total Cash &
Investments to Expenses
in FY 2021



DEBT SERVICE BURDEN

6.8%

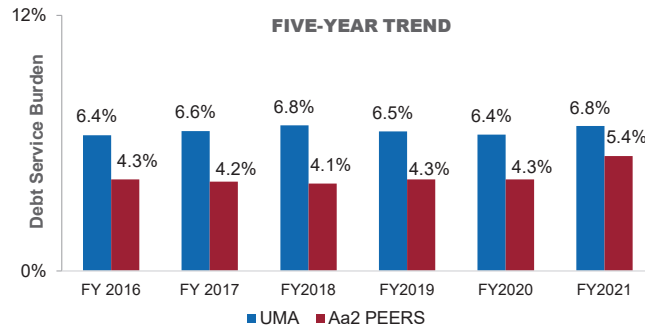
Debt Service
Burden
in FY2021

0.4

One-year
% Point change
(vs. FY2020)

0.4

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



OPERATING MARGIN (%)

-0.9%

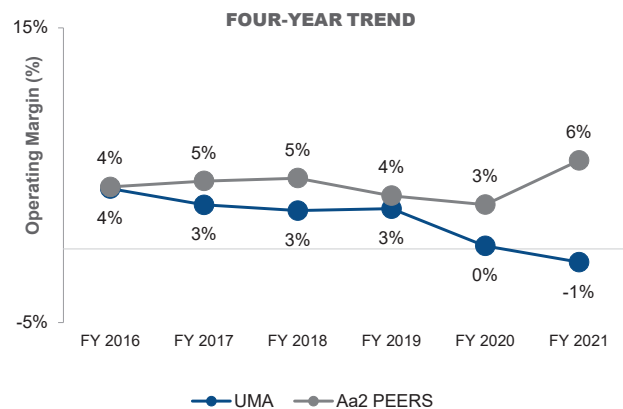
Operating Margin (%)
in FY 2021

1.0

One-year
% Point change
(vs. FY 2020)

5.0

Four-year
% Point change
(vs. FY 2017)



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. Test scores became optional in Fall 2021. 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 First-Time 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.

Number of First-degree Bachelor-seeking Students Aged 25+. Number of currently enrolled first-degree bachelor-seeking students who are aged 25+ as of campus census date of the Fall semester.

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.

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 (courses offered via UWW on the Amherst campus).

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).

$$\frac{(\text{Full time Enrolled exclusively in online courses})}{(\text{Full time Enrolled in at least one, but not all, online courses} + \text{Full time Enrolled exclusively in online courses} + \text{part-time Enrolled in at least one, but not all, online courses} + \text{part-time Enrolled exclusively in online courses})}$$

DEFINITIONS AND SOURCES

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.

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.

Freshmen Twelve-semester Graduation

Rate. Percent of first-time, full-time, degree-seeking freshmen who entered UMass in a given Fall term and graduated from the institution within twelve active semesters (Fall and Spring semesters) within 10 years of their initial attendance. Associates degree and UWW 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.

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

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.

DEFINITIONS AND SOURCES

SERVICE TO THE COMMONWEALTH INDICATORS

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.

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.

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.

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.

Total Cash & Investments to Expenses.

Indicates the university's financial flexibility and resilience, and its ability to generate investment income. (Cash & Investments – debt service reserve funds) / Total expenses

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)

DEFINITIONS AND SOURCES

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**

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 Amherst University Analytics and Institutional Research.



BOSTON

HEADLINES

ACADEMIC QUALITY

Improve Student Learning Experience

We continue to attract well-qualified students to our entering classes in more significant numbers. We emphasize the high school GPA for admissions decisions. We have successfully maintained an average GPA of over 3.28 for first-time students for the last five entering classes, rising to 3.44 in Fall 2021. The percentage of incoming first-time first-year students with a high school GPA above 3.00 has increased from 67% in Fall 2016 to 79% in Fall 2021. Transfer students also continue to show strong academics, with an average transfer GPA of 3.15 for Fall 2021.

UMass Boston continues to stand out as a model of excellence for urban universities, 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. 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. 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 and computer science programs among the country's best, at No. 62 and No. 178, respectively.

Maddison Lessard, a junior biology major with a minor in English, received the Barry M. Goldwater Scholarship, one of the most prestigious awards in the U.S. for undergraduates studying the sciences. The scholarship is given annually to college sophomores and juniors who demonstrate excellence in natural science, engineering, and mathematics. Lessard is one of 417 recipients selected this year and is the fifth UMass Boston student to earn a Goldwater Scholarship.

After two years without full athletics seasons, the UMass Boston Beacons returned to play this academic year. Forty-two UMass Boston fall student-athletes were named to the 2021 Little East Conference Fall Academic Team. To be named to the LEC All-Academic Team, a student-athlete must be at least in sophomore standing in the classroom, have a cumulative GPA of 3.30 or higher through the previous semester, and have been at their

current institution for at least one full academic year. Student-athletes from all six UMass Boston fall teams were represented on the list, including women's soccer with 21 honorees, volleyball with 8, and men's soccer with 4.

Strengthen Research and Development

UMass Boston continues to advance as an increasingly sophisticated research university. Between F.Y. 2016 and F.Y. 2021, UMass Boston's Total R&D expenditures reported to NSF have remained above \$61.4 million. In terms of sponsored instruction and outreach per faculty member, this figure has increased to nearly \$137,000 in FY21 (an 8% increase over FY16).

Quantum computing is a fast-growing field, with Massachusetts poised to take a leadership role. UMass Boston, in partnership from Western New England University in Springfield, was awarded a \$999,000 grant by the Massachusetts Executive Office of Housing and Economic Development. The grant will fund a new quantum computing infrastructure on Campus. The project will fund establishing two quantum-focused R&D facilities, including an ultra-low temperature measurement facility at UMass Boston. At UMass Boston, the partnership will help expand existing academic programs, such as the Quantum Information Certificate program. Both UMass Boston and Western New England University will also utilize the facilities for workforce training by introducing engineering students with related skills to Quantum Information Sciences and making this training available to engineers already in the workforce.

Renew Faculty

Tenure-stream faculty, which represents 55 percent of all full-time instructional faculty, is a critical factor in ensuring the continued success of our students. In AY 2021-22 UMass Boston was successful in sustaining the high proportion of full-time instructional faculty that identify as persons of color at 31 percent and are female at 53 percent. Tenure-stream faculty growth slowed during the past years, based on enrollment performance. The Fall 2021 Faculty-Student ratio was 15:1 marking a return to the Fall 2013 rate.

HEADLINES

ACCESS AND AFFORDABILITY

UMass Boston continues to serve residents of Greater Boston communities and communities throughout the Commonwealth, fulfilling our mission of access to diverse populations. The vast majority of our undergraduates are from Massachusetts (88%). UMass Boston serves large numbers of racial minority students (62%), first-generation college students (53%), transfers (37%), and students who are immigrants or children of immigrants who speak languages other than English at home or with families (49%). Our students are also diverse in age and national origin. In keeping with UMass Boston's strategic goal of global engagement, the percentage of international students declined to 6% in the most recent academic year, which can be understood in the context of the ongoing Covid-19 pandemic.

Our students' social and economic diversity 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 58 percent, a decrease from 63 percent six years ago.

Online course registrations at UMass Boston have remained high, even with returning to on-campus classes. This marks the fourth consecutive fiscal year of growth and overall growth in five years of 21 percent, representing almost 19,000 registrations.

UMass Boston's online bachelor's degree and online graduate programs, including the MBA and master's in education, are listed among the nation's best in the *U.S. News and World Report* Best Online Programs rankings for 2022. The new top 100 rankings include Online bachelor's – No. 39, up from No. 93; Online Master's in business (non-MBA) – No. 38; Online MBA – No. 105; Online MBA for veterans – No. 89; and Online Master's in education – No. 77.

STUDENT SUCCESS AND SATISFACTION

Diversity and Positive Climate

UMass Boston serves a vital function in the region as the only public research university in Boston. The Campus is well known for the diversity of its student population, which exceeds the population diversity of the region. With more than 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 2021, 62 percent of our U.S. undergraduate students identified as ALANA.

The one-year retention rate for first-year students has remained comparable to our peers over the past five years, with 75 percent for those students who entered in Fall 2020. The 81 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 2015 cohort was 49 percent. The four-year graduation rate for the Fall 2017 cohort increased slightly to 31 percent, reflecting a continued increase over the past six years.

Recognizing the need to build a more diverse pipeline into the STEM fields, the Partners Aligned to Heighten Broad Participation in STEM (PATHS) at UMass Boston has recently been [awarded](#) \$1.2 million in funding by NASA. PATHS is an initiative led by the School for the Environment that focuses on increasing the pathways to a successful career in the industry for people of color in Massachusetts. The program spans its support from the moment a child's interest in engineering is sparked to the path to college and through to working professionals and their companies. PATHS begin early by providing young students with authentic experiences pique their interest. During college, the funding from NASA will help PATHS remove common barriers to college and support students through the complexities of academics in a college. Finally, PATHS has built a coalition of private sector companies in STEM, each of whom has committed to working with the program to boost diversity within their walls and across Massachusetts. It is a unique network of partners in that they are committed to measuring collective diversity in the field rather than individual metrics.

HEADLINES

SERVICE TO THE COMMONWEALTH

Seventy percent of UMass Boston alumni (both undergrad and grad) 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 the global community.

Enrollments continue to grow steadily in Science, Technology, Engineering, and Mathematics (STEM). The number of STEM degrees and certificates awarded has increased 36 percent from AY 2015-16 to AY 2020-21, representing 20% of all undergraduate degrees awarded. Additionally, fourteen percent of all graduate degrees (up 6% from 2015-16). Total degrees awarded in the healthcare fields also continue to grow and approach a return to the 2017-18 levels.

In addition, the university, in partnership with others, continues to grow leaders in STEM education. For example, the UMass Boston-led Wipro Science Education Fellowship program grew out of the success of the UMass Boston-based Boston Science Partnership's Science Education

Fellowship, a grant initiative funded by the National Science Foundation from 2009-to 2012. As part of the program, each university (UMass Boston, Montclair State University, Mercy College, University of North Texas Dallas, Stanford University, University of Missouri, and the University of South Florida) creates a critical mass of K-12 teacher leaders in high-need school districts who foster district transformation. The group received an additional \$4.5 million award to extend its agreement to 2026.

UMass Boston has announced that it is launching an innovative department of Urban Public Health (UPH) intending to prepare students for jobs in the public health field uniquely focused on improving the health of diverse urban populations. The department will be housed within the recently endowed Robert and Donna Manning College of Nursing and Health Sciences and will begin offering B.A. and B.S. majors in Urban Public Health in fall 2023. The program will focus on urban populations, the social determinants of health, and health equity challenges across the lifespan. Students in both undergrad degree programs must implement a community-engaged practicum and a capstone project in a public health setting.

FINANCIAL HEALTH

Endowment per annualized student FTE grew from \$5,4701 in F.Y. 2016 to \$9,107 in F.Y. 2021, an increase of 66%. Endowment assets totaled \$126.4 million in F.Y. 2021. Total private funds raised totaled \$14.1 million, representing a decline from FY19 to FY20 (record-breaking years). At the same time, a decrease from the previous two years represents a 34% growth in private giving over FY2016. Additionally, the Campus surpassed its ambitious goal of raising \$100 million through the Just Imagine campaign in 2011.

During FY22, construction activity remained robust, including the completion of projects supporting the \$181.7M Substructure Demolition and Quadrangle Development ("SDQD") project. This project is funded with the Commonwealth paying \$78M and the Campus funding the remaining four years. Demolition of the Science Center, pool building and much of the substructure has been completed and work continues to build a new quadrangle and surface parking lot.

AT-A-GLANCE

ACADEMIC QUALITY

• Average HS GPA of Freshmen	3.44	• Percent Tenured/Tenure-Track Faculty FTE	55%
• Average SAT Scores of Freshmen		• Faculty FTE	847
<i>Arithmetic Mean</i>	1174	• Full-Time Instructional Faculty	
<i>25th – 75th Percentile</i>	1070-1270	<i>Percent Faculty-of-Color</i>	31%
• Average GPA of Entering Transfer Students	3.15	<i>Percent Women Faculty</i>	53%
• Student-Faculty Ratio	15:1	• Faculty Awards	4
• Technology-Enhanced Classrooms	290		

ACCESS AND AFFORDABILITY

• Percent Undergraduates from Students from MA	88%	• 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	82%
• Percent Undergraduates who are International	6%	• Average Debt of Students (UG Graduating Class)	\$25,477
• Percent First-Time Undergraduates who are First Generation in College	53%	• Percent Graduating Class with Debt (UG)	58%
• Percent First-Time Undergraduates with English as a Second Language	49%	• Total Students who Participated in a Study Abroad Program	1
• Percent Undergraduates Who Are Of Transfer Origin	37%	• Online Course Registrations	18,885
• Number of First-degree Bachelor-seeking Students Aged 25+	2,163	• Percentage of degree-seeking students taking at least one online course who were full time and fully online.	NR*
• Dual Enrolled Students (Headcount)	77		

STUDENT SUCCESS AND SATISFACTION

• Freshmen One-Year Retention Rate	75%	• Transfer (Full-time) One-Year Retention Rate	81%
• Freshmen Four-Year Graduation Rate	31%	• Transfer (Upper Division) Four-Year Graduation Rate	72%
• Freshmen Six-Year Graduation Rate	49%	• Student Satisfaction With Educational Experience	75%
• Freshmen Twelve-Semester Graduation Rate	51%	• Alumni Participation Rate	4%

AT-A-GLANCE

SERVICE TO THE COMMONWEALTH

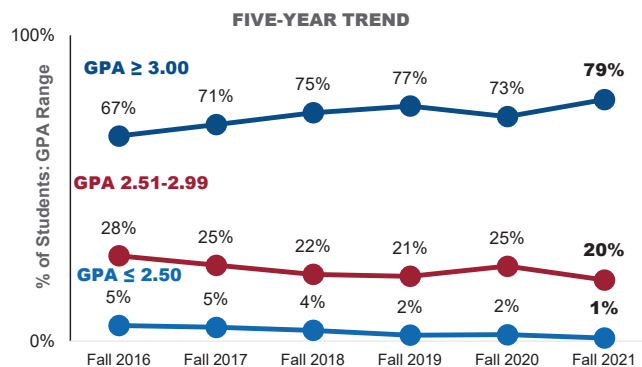
• Degree Completions	3,605	• Degrees Awarded in STEM Fields	688
<i>Bachelor's</i>	2674	<i>Undergraduate</i>	561
<i>Master's</i>	833	<i>Graduate</i>	127
<i>Doctorates</i>	98	• Certificates Awarded in STEM Fields	1
• Patent Applications	2	• Degrees Awarded in Healthcare Fields	600
• Total R&D Expenditures	\$64M	<i>Undergraduate</i>	491
• Total R&D Expenditures Ranking	184	<i>Graduate</i>	109
Total R&D Expenditures Ranking among Carnegie Peers, US Publics, Non-Medical	30	• Certificates Awarded in Healthcare Fields	45
• Total R&D Expenditures per Tenure System Faculty	\$137,334	• License Income	\$164
		• Percent Alumni who Remain in MA	70%

FINANCIAL HEALTH

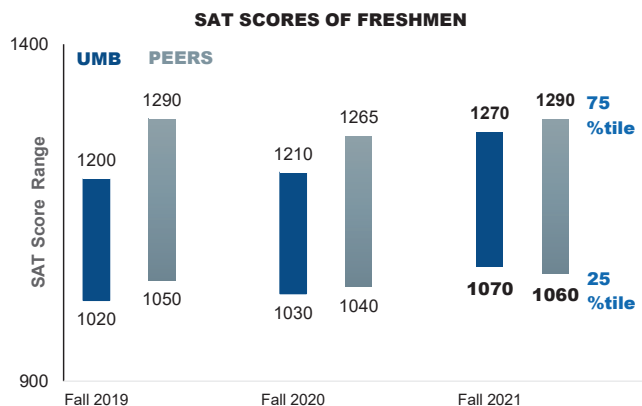
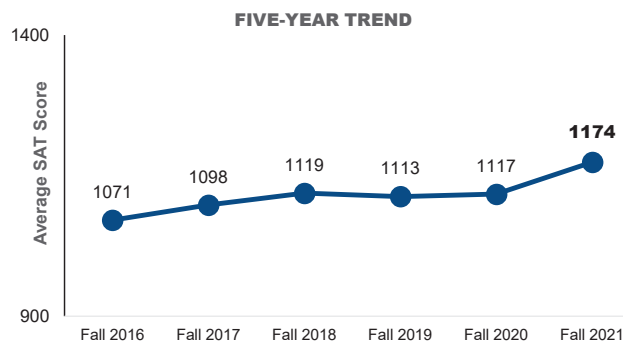
• Total Endowment	\$126.4M	• Total Cash & Investments to Expenses	0.59
• Annual Growth in Endowment	36.9%	• Debt Service Burden	4.2%
• Endowment per Annualized Student FTE	\$9,107	• Operating Margin (%)	5.8%
• Private Funds Raised Annually	\$14.1M		

ACADEMIC QUALITY

AVERAGE HIGH-SCHOOL GPA OF FIRST-TIME FRESHMEN

3.44Average HS
GPA
in Fall 2021▲ **0.10**One-year
nominal change
(vs. Fall 2020)▲ **0.19**Five-year
nominal change
(vs. Fall 2016)

SAT SCORES OF FRESHMEN

1270SAT Scores of Freshmen
75th Percentile
in Fall 2021▲ **60**One-year
nominal change
(vs. Fall 2020)**1070**SAT Scores of Freshmen
25th Percentile
in Fall 2021▲ **40**One-year
nominal change
(vs. Fall 2020)**1174**Average SAT Scores
of Freshmen
in Fall 2021▲ **57**One-year
nominal change
(vs. Fall 2020)

ACADEMIC QUALITY

AVERAGE GPA OF ENTERING TRANSFER STUDENTS

3.15

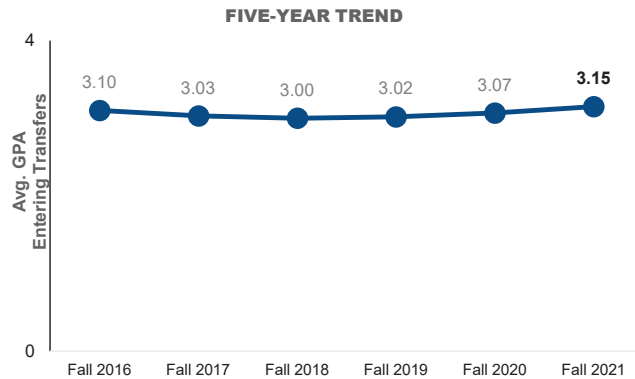
Average transfer
GPA
in Fall 2021

▲ **0.08**

One-year
nominal change
(vs. Fall 2020)

▲ **0.05**

Five-year
nominal change
(vs. Fall 2016)



STUDENT-FACULTY RATIO

15:1

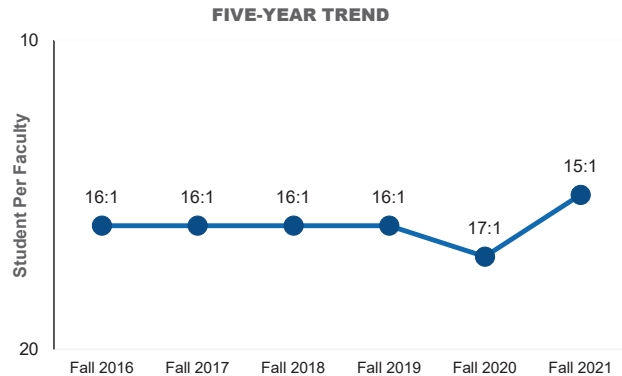
Student-Faculty
Ratio
in Fall 2021

▲ **2**

One-year
nominal change
(vs. Fall 2020)

▲ **1**

Five-year
nominal change
(vs. Fall 2016)



TECHNOLOGY-ENHANCED CLASSROOMS

290

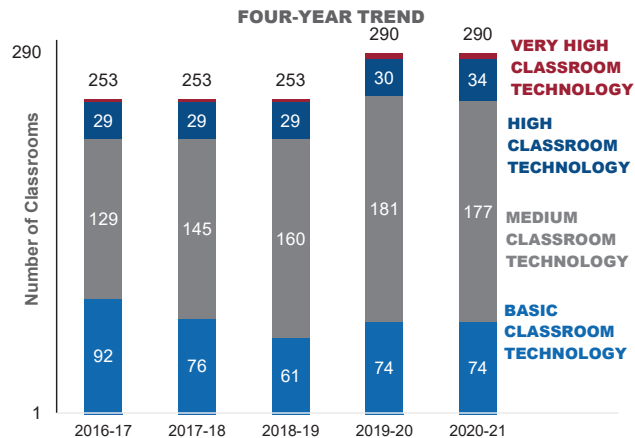
Total Technology
Enhanced Classrooms
in 2020-21

● **0%**

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

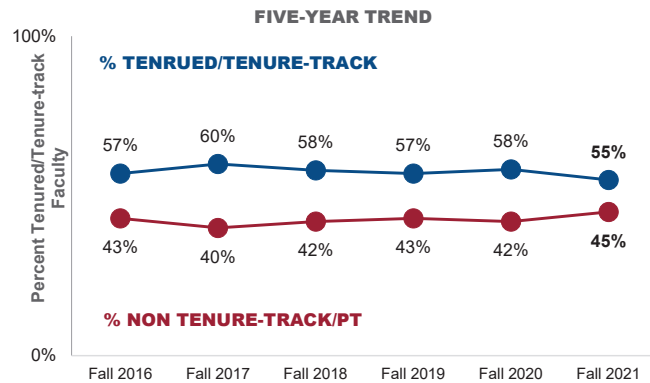
▲ **15%**

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

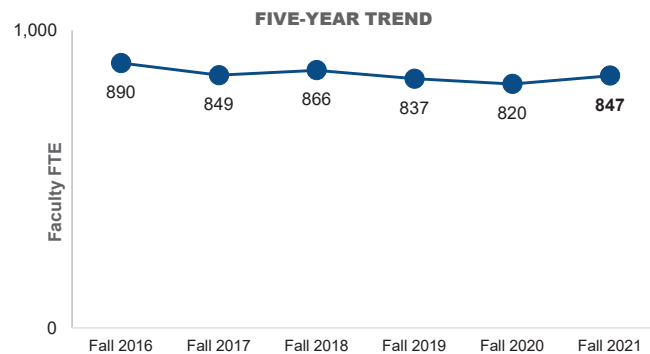


ACADEMIC QUALITY

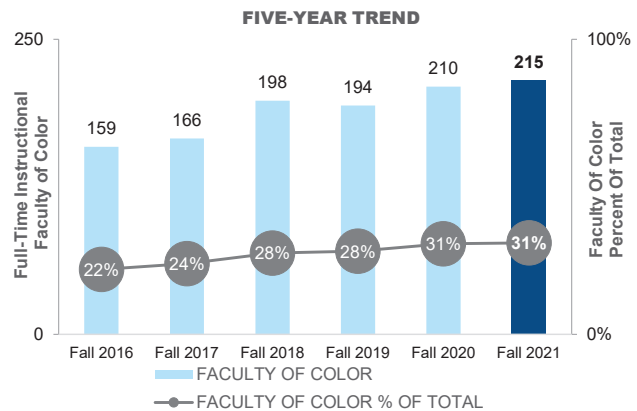
PERCENT TENURED/TENURE-TRACK FACULTY FTE

55%Percent Tenured/
Tenure-track Faculty
in Fall 2021▼ **3**One-year
% point change
(vs. Fall 2020)▼ **2**Five-year
% point change
(vs. Fall 2016)

FACULTY FTE

847Faculty FTE
in Fall 2021▲ **3%**One-year
% change
(vs. Fall 2020)▼ **5%**Five-year
% change
(vs. Fall 2016)

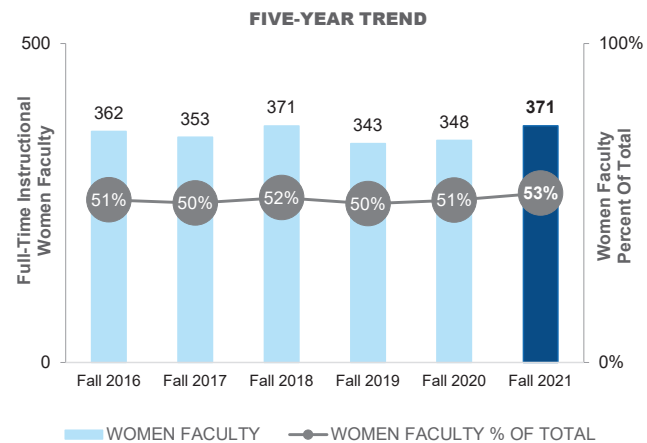
FACULTY-OF-COLOR

215Faculty Of Color
in Fall 2021▲ **5**One-year
nominal change
(vs. Fall 2020)▲ **56**Five-year
nominal change
(vs. Fall 2016)**31%**Percent of
Faculty Of Color
in Fall 2021▲ **0**One-year
% point
(vs. Fall 2020)▲ **9**Five-year
% point
(vs. Fall 2016)

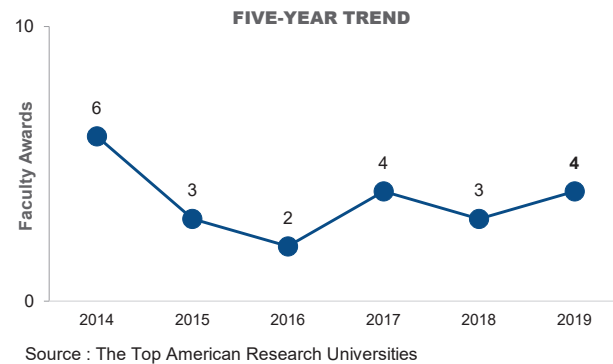
Faculty-of-Color based on US Citizens/Permanent Residents reporting Race/Ethnicity according to new IPEDS definitions.

ACADEMIC QUALITY

WOMEN FACULTY

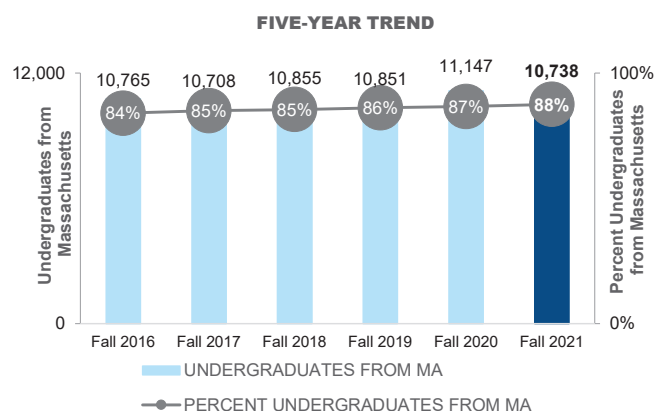
371Women Faculty
in Fall 2021**▲ 23**One-year
nominal change
(vs. Fall 2020)**▲ 9**Five-year
nominal change
(vs. Fall 2016)**53%**Percent of
Women Faculty
in Fall 2021**▲ 2**One-year
nominal change
(vs. Fall 2020)**▲ 2**Five-year
nominal change
(vs. Fall 2016)

FACULTY AWARDS

4Faculty Awards
in 2019**▲ 1**One-year
nominal change
(vs. 2018)**▼ 2**Five-year
nominal change
(vs. 2014)*Data discontinued
after 2019

ACCESS AND AFFORDABILITY

UNDERGRADUATES FROM MASSACHUSETTS

10,738Undergraduates from
Massachusetts
in Fall 2021**▼ 4%**One-year
% change
(vs. Fall 2020)**• 0%**Five-year
% change
(vs. Fall 2016)**88%**% Undergraduates
from Massachusetts
in Fall 2021**▲ 1**One-year
% point change
(vs. Fall 2020)**▼ 11**Five-year
% point change
(vs. Fall 2016)

ACCESS AND AFFORDABILITY

UNDERGRADUATE STUDENTS OF COLOR

6,769

Undergraduates
Students of Color
in Fall 2021

▲ **0%**

One-year
% change
(vs. Fall 2020)

▲ **16%**

Five-year
% change
(vs. Fall 2016)

62%

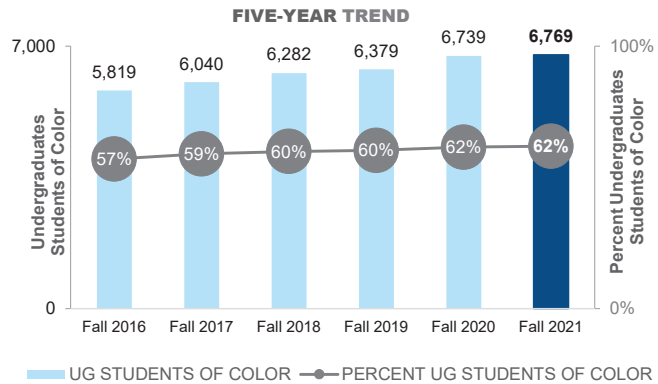
% Undergraduates
Students of Color
in Fall 2021

▲ **0**

One-year
% point change
(vs. Fall 2020)

▲ **5**

Five-year
% point change
(vs. Fall 2016)



UNDERGRADUATES WHO ARE INTERNATIONAL

764

International UG
Enrollment
in Fall 2021

▼ **41%**

One-year
% change
(vs. Fall 2020)

▼ **51%**

Five-year
% change
(vs. Fall 2016)

6%

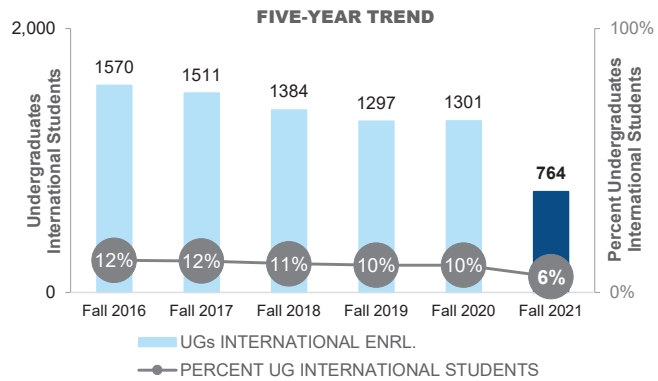
% International UG
Enrollment
in Fall 2021

▼ **4**

One-year
% point change
(vs. Fall 2020)

▼ **6**

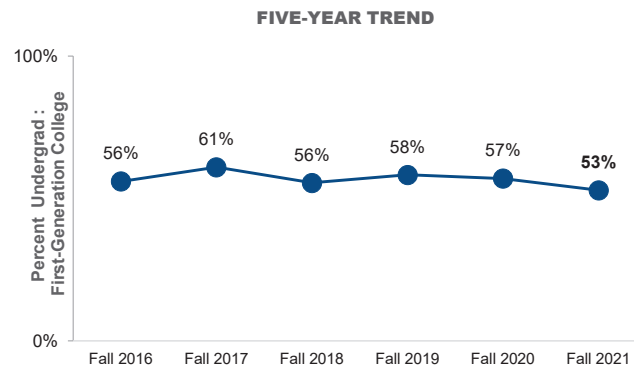
Five-year
% point change
(vs. Fall 2016)



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

53%

Percent first-time
Undergraduates
who are First-Generation
College in Fall 2021



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

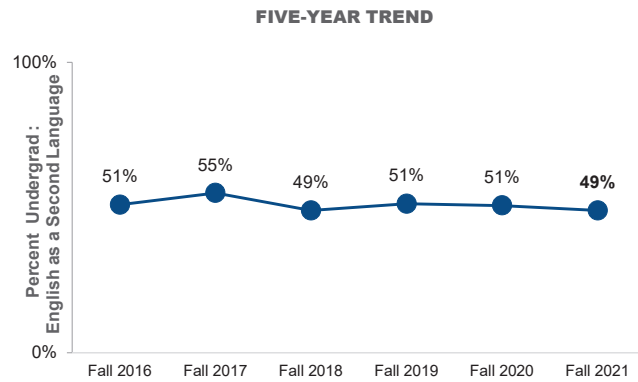
ACCESS AND AFFORDABILITY

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

49%

Percent Undergraduates
Speak English as a
Second Language
in Fall 2021

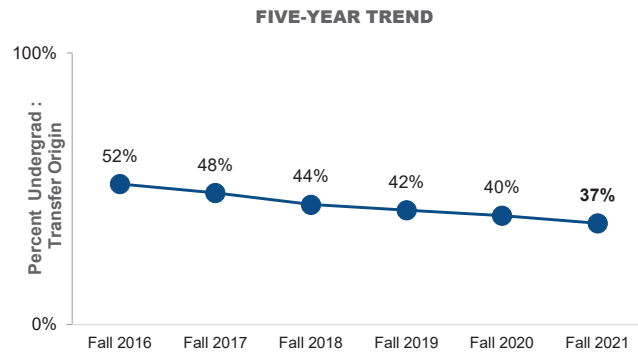
*The data source from Fall 2018 updated
to Common Application responses.



PERCENT UNDERGRADUATES WHO ARE OF TRANSFER ORIGIN

37%

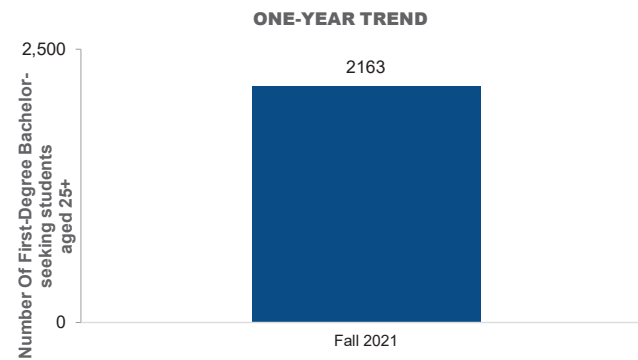
Percent Undergraduates
who are of Transfer-Origin
in Fall 2021



NUMBER OF FIRST-DEGREE BACHELOR-SEEKING STUDENTS AGED 25+

2163

Number of First-Degree
Bachelor-Seeking
Students Aged 25+
in Fall 2021

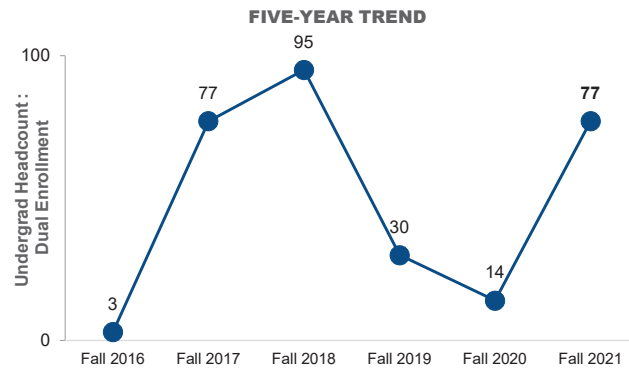


ACCESS AND AFFORDABILITY

DUAL ENROLLMENT STUDENTS (HEADCOUNT)

77

Dual Enrolled
Students
in Fall 2021



PERCENT IN-STATE PELL GRANT RECIPIENTS

48%

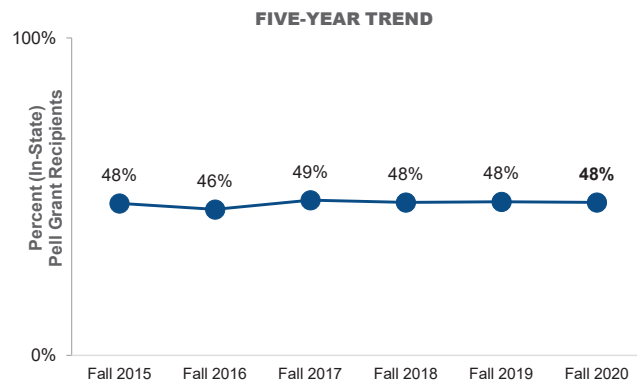
Percent (In-State)
Pell Grant Recipients
in Fall 2020

0

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

0

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



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

82%

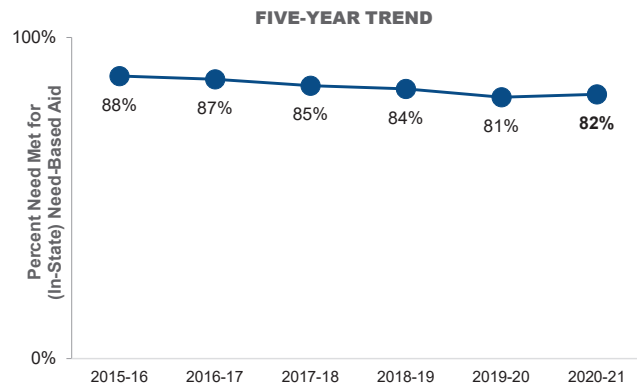
Percent Need Met for
(In-State) Need-Based
Aid in 2020-21

1

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

6

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



ACCESS AND AFFORDABILITY

UNDERGRADUATE STUDENT DEBT LOAD OF GRADUATING CLASS

\$25.5k

Average Debt Load
in 2021

▲ **2%**

One-year
% change
(vs. 2020)

▼ **6%**

Five-year
% change
(vs. 2016)

58%

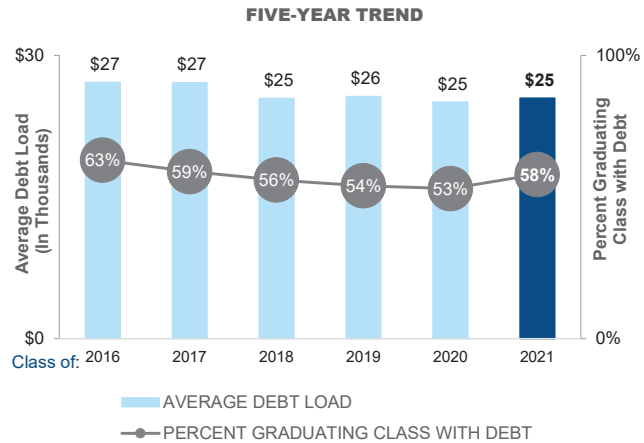
Percent Graduating
Class with Debt
in 2021

▲ **5**

One-year
% point change
(vs. 2020)

▼ **5**

Five-year
% point change
(vs. 2016)



TOTAL STUDENTS WHO PARTICIPATED IN A STUDY ABROAD PROGRAM

1

Students who participated
in Study Abroad
in Fall 2020-Smr.21

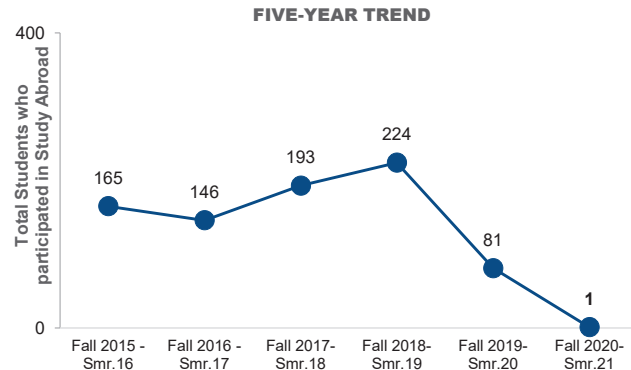
▼ **80**

One-year
nominal change
vs. Fall 2019-Smr.20

▼ **164**

Five-year
nominal change
vs Fall 2015 -Smr.16

*Fall 2020 - Smr. 21
decreased due
to pandemic.



TOTAL ONLINE COURSE REGISTRATIONS

18,885

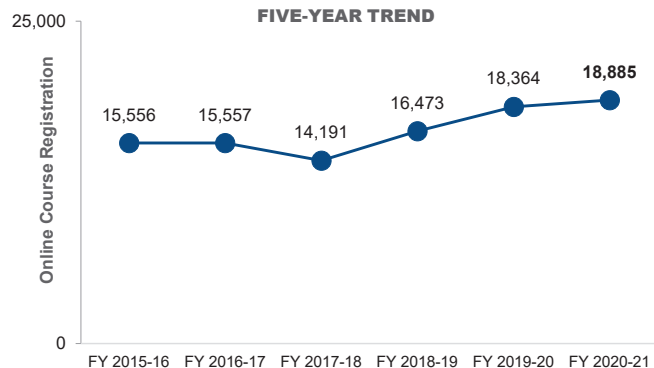
Online Course
Registrations
in FY 2020-21

▲ **3%**

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

▲ **21%**

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



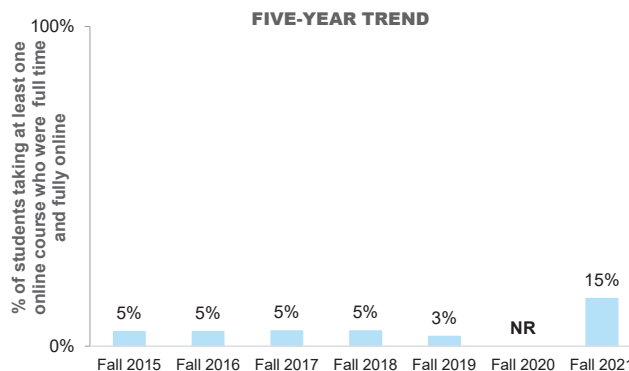
ACCESS AND AFFORDABILITY

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

NR*

Students taking at least one online course who were full time and fully online in Fall 2020

*Data not reported, as all students shifted to online learning during the pandemic



STUDENT SUCCESS AND SATISFACTION

FRESHMEN ONE-YEAR RETENTION RATE

75%

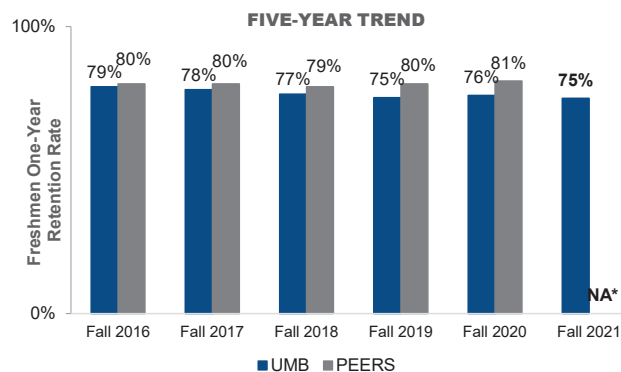
Freshmen One-Year Retention Rate in Fall 2021

▼ **1**

One-year % point change (vs. Fall 2020)

▼ **4**

Five-year point (vs. Fall 2016)



*Peer data for Fall 2021 not available for reporting purposes.

FRESHMEN FOUR-YEAR GRADUATION RATES

31%

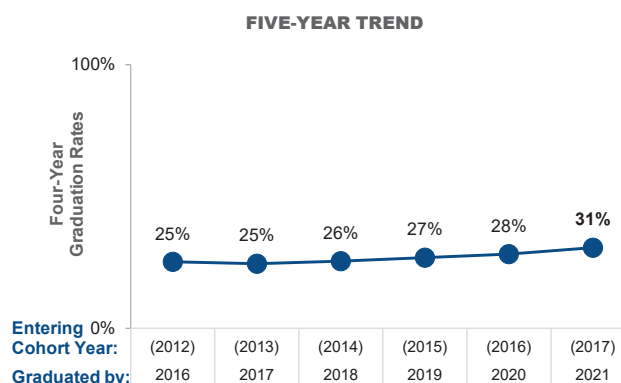
Freshmen Four-Year Graduation Rates in 2021

▲ **3**

One-year % point change (vs. 2020)

▲ **5**

Five-year % point change (vs. 2016)



STUDENT SUCCESS AND SATISFACTION

FRESHMEN SIX-YEAR GRADUATION RATE

49%

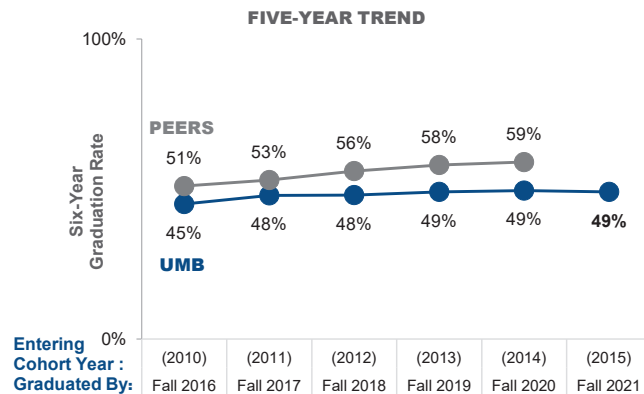
UMB Freshmen Six-Year
Graduation Rates
in Fall 2021

0

One-year
% point change
(vs. Fall 2020)

4

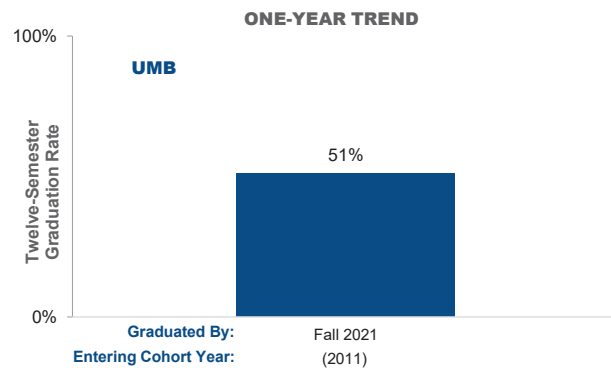
Five-year
% point change
(vs. Fall 2016)



FRESHMEN TWELVE-SEMESTER GRADUATION RATE

51%

UMB Freshmen
Twelve-semester
Graduation Rates
in Fall 2021



TRANSFER (FULL-TIME) ONE-YEAR RETENTION RATE

81%

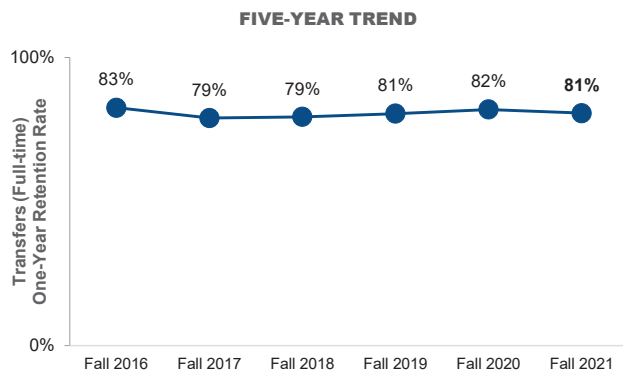
Transfers (Full-time)
One-Year
Retention Rate
in Fall 2021

1

One-year
% point change
(vs. Fall 2020)

2

Five-year
% point change
(vs. Fall 2016)



STUDENT SUCCESS AND SATISFACTION

TRANSFER (UPPER DIVISION) FOUR-YEAR GRADUATION RATE

72%

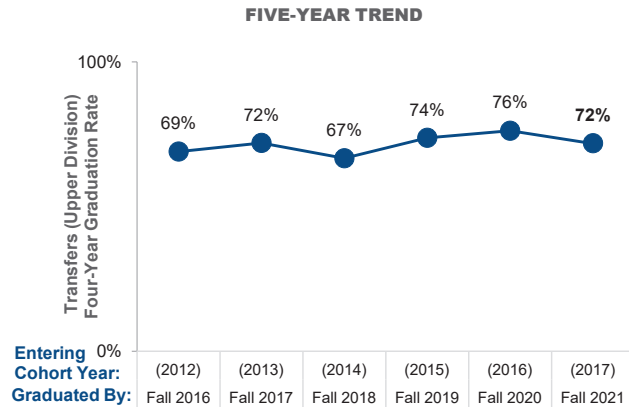
Transfers (Upper Division) Four-Year Graduation Rates in Fall 2021

▼ **4**

One-year % point change (vs. Fall 2020)

▲ **3**

Five-year % point change (vs. Fall 2016)



STUDENT ACHIEVEMENT MEASURE

Cohort starting in : 2015-16

32%

Bachelor's Degree Within 4 Yrs. from any institution

55%

Bachelor's Degree Within 5 Yrs. From any institution

62%

Bachelor's Degree Within 6 Yrs. From any institution

27%

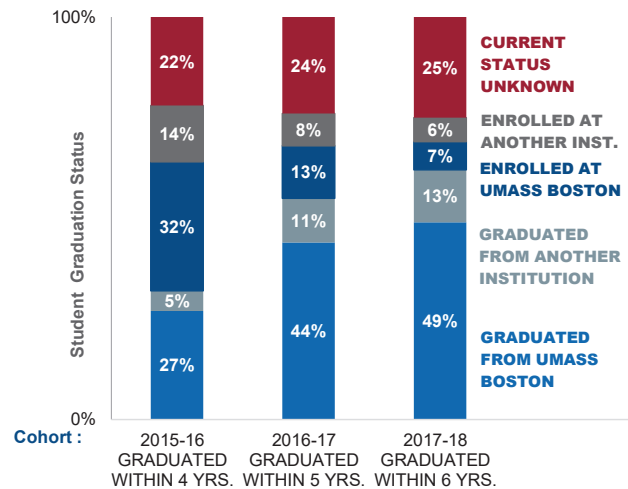
Bachelor's Degree Within 4 Yrs. from UMass Boston

44%

Bachelor's Degree Within 5 Yrs. From UMass Boston

49%

Bachelor's Degree Within 6 Yrs. From UMass Boston



Source : Student Achievement Measure (SAM)

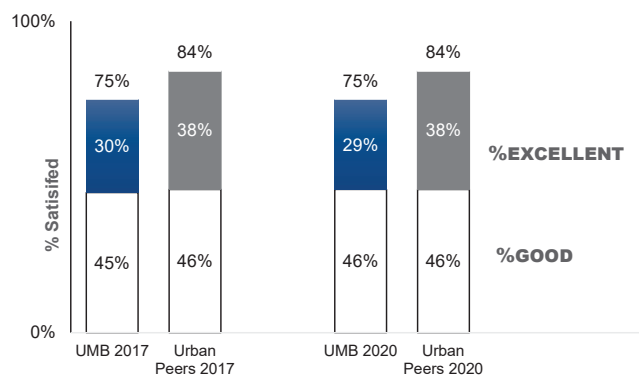
STUDENT SATISFACTION WITH EDUCATIONAL EXPERIENCE

75%

Student Satisfaction as Good or Excellent in UMB 2020

• **0**

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



STUDENT SUCCESS AND SATISFACTION

ALUMNI PARTICIPATION RATE

4%

Alumni Participation
Rate
in 2021

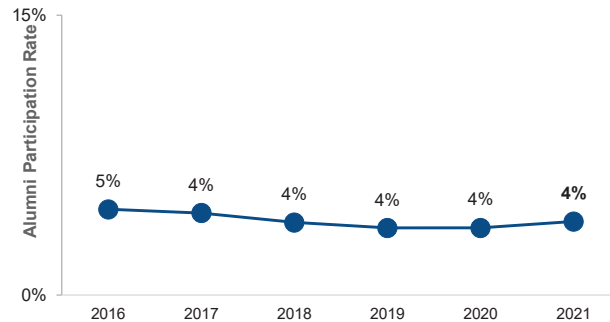
0

One-year
% point change
(vs. 2020)

1

Five-year
% point change
(vs. 2016)

FIVE-YEAR TREND



SERVICE TO THE COMMONWEALTH

DEGREE COMPLETIONS

3,605

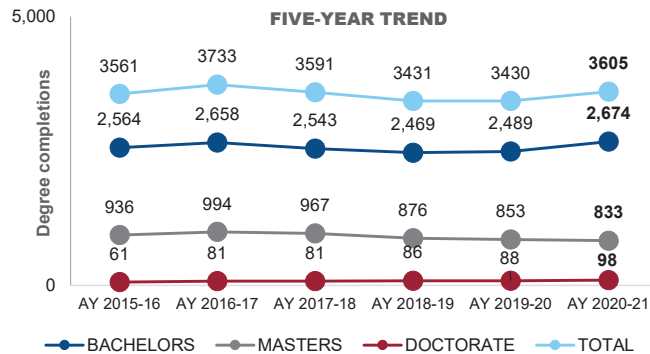
Total degree
completions
AY 2020-21

5%

One-year
% change
in total degree
completions
(vs. AY 2019-20)

1%

Five-year
% change
in total degree
completions
(vs. AY 2015-16)



NUMBER OF PATENT APPLICATIONS

2

Patent
Applications
in FY 2021

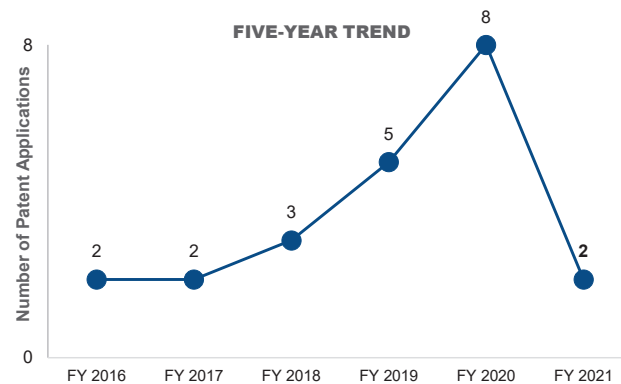
6

One-year
nominal change
(vs. FY 2020)

0

Five-year
nominal change
(vs. FY 2016)

FIVE-YEAR TREND



SERVICE TO THE COMMONWEALTH

TOTAL R&D EXPENDITURES

\$63.7

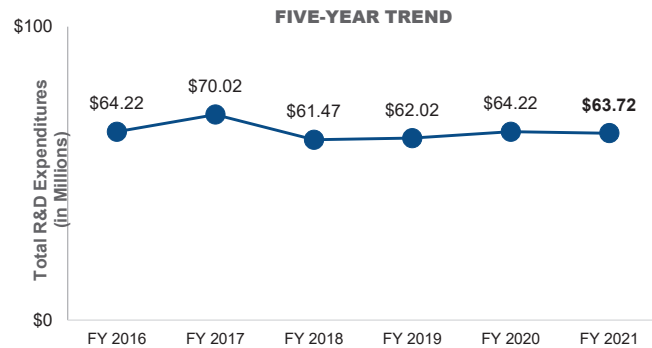
Million
in FY 2021

▼ **1%**

One-year
% change
(vs. FY 2020)

▼ **1%**

Five-year
% change
(vs. FY 2016)



TOTAL R&D EXPENDITURES RANKINGS

184

Total R&D Expenditures
Overall Rankings
in FY 2020

▲ **3**

One-year
nominal change
(vs. FY 2019)

▼ **12**

Five-year
nominal change
(vs. FY 2015)

30

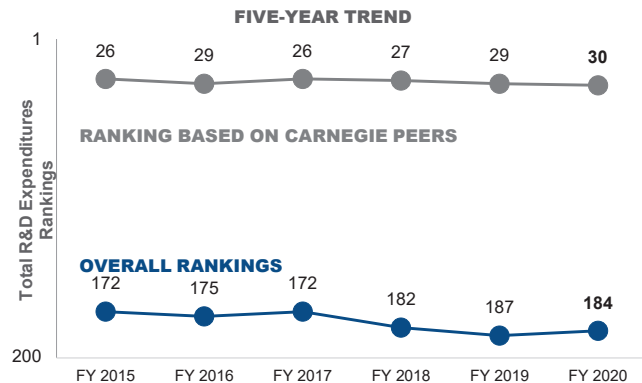
Rankings based on
Carnegie Peers
in FY 2020

▲ **1**

One-year
nominal change
(vs. FY 2019)

▼ **4**

Five-year
nominal change
(vs. FY 2015)



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

\$137k

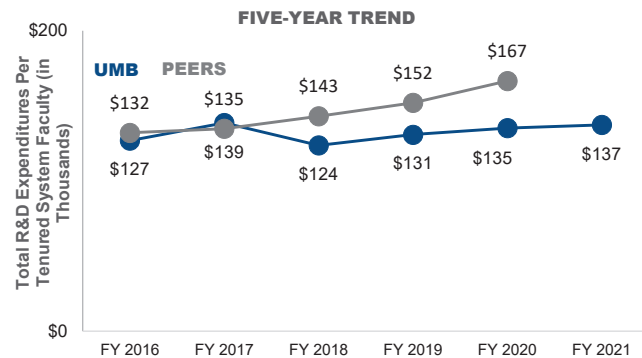
Total R&D Expenditure
Per Tenured
System Faculty
in FY 2021

▲ **2%**

One-year
% change
(vs. FY 2020)

▲ **8%**

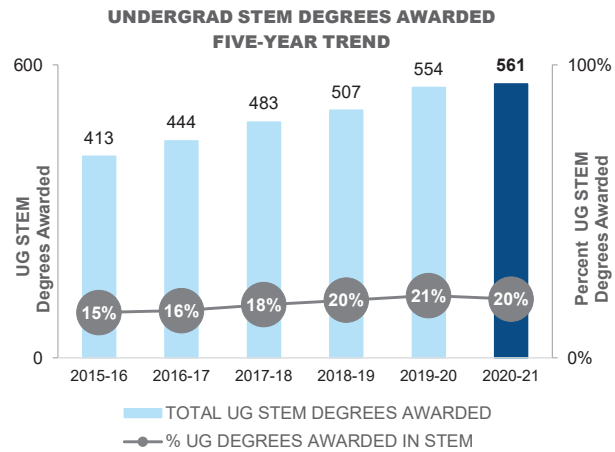
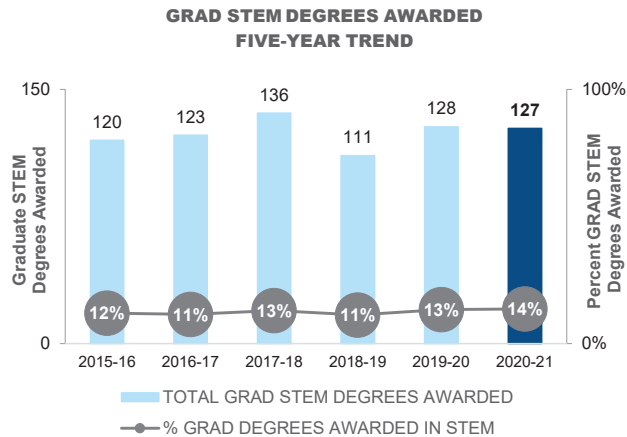
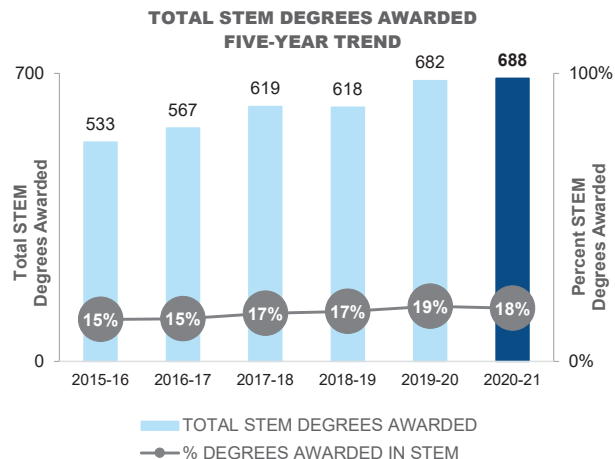
Five-year
% change
(vs. FY 2016)



*Peer data for is currently not available.

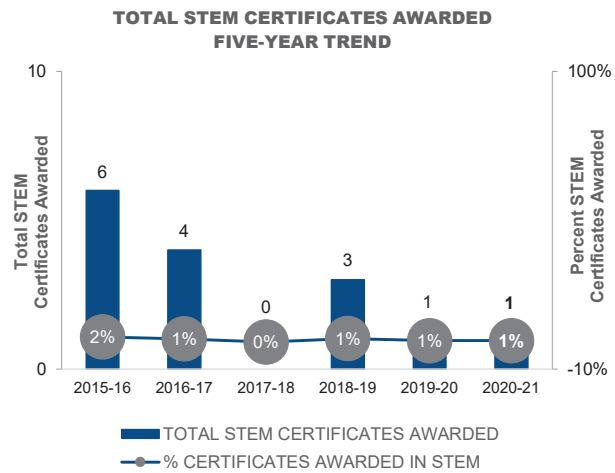
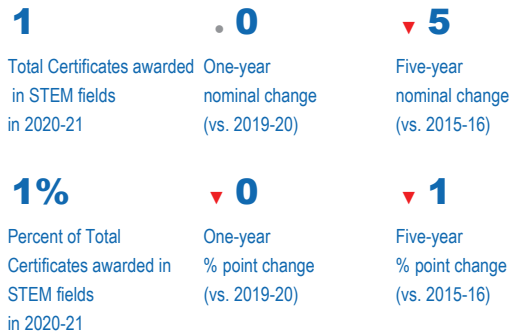
SERVICE TO THE COMMONWEALTH

DEGREES AWARDED IN STEM FIELDS

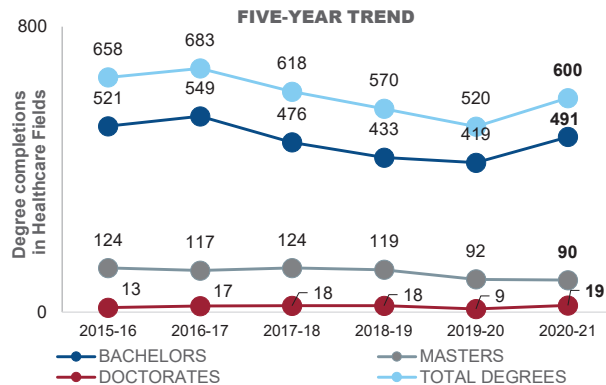
561UG degrees awarded
in STEM fields
in 2020-21▲ **1%**One-year
% change
(vs. 2019-20)▲ **36%**Five-year
% change
(vs. 2015-16)**20%**Percent of total UG
degrees awarded in
STEM fields
in 2020-21▲ **1**One-year
% point change
(vs. 2019-20)▲ **5**Five-year
% point change
(vs. 2015-16)**127**Grad degrees awarded
in STEM fields
in 2020-21▼ **1%**One-year
% change
(vs. 2019-20)▲ **6%**Five-year
% change
(vs. 2015-16)**14%**Percent of total Grad
degrees awarded in
STEM fields
in 2020-21▲ **0.3**One-year
% point change
(vs. 2019-20)▲ **2**Five-year
% point change
(vs. 2015-16)**688**Total degrees awarded
in STEM fields
in 2020-21▲ **1%**One-year
% change
(vs. 2019-20)▲ **29%**Five-year
% change
(vs. 2015-16)**18%**Percent of Total
degrees awarded in
STEM fields
in 2020-21▲ **0.7**One-year
% point change
(vs. 2019-20)▲ **4**Five-year
% point change
(vs. 2015-16)

SERVICE TO THE COMMONWEALTH

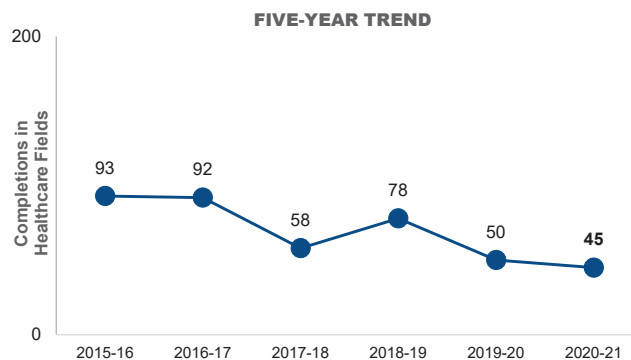
CERTIFICATES AWARDED IN STEM FIELDS



DEGREES AWARDED IN HEALTHCARE FIELDS



CERTIFICATES AWARDED IN HEALTHCARE FIELDS



SERVICE TO THE COMMONWEALTH

LICENSE INCOME

\$ 164

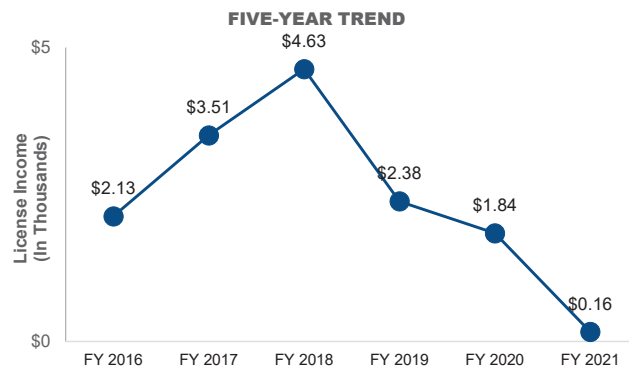
License Income
in FY 2021

▼ **91%**

One-year
% change
(vs. FY 2020)

▼ **92%**

Five-year
% change
(vs. FY 2016)



PERCENT ALUMNI WHO LIVE IN MASSACHUSETTS

70%

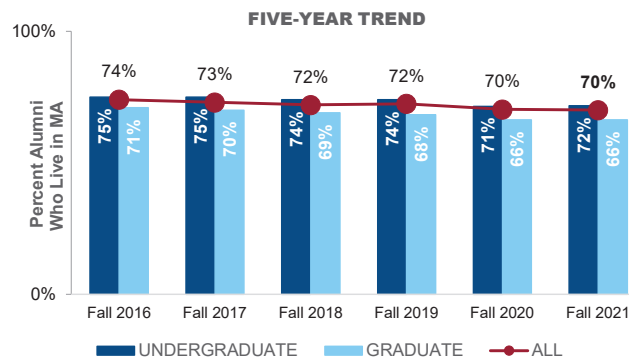
Of all UMass Alumni
live in the Commonwealth
in Fall 2021

• **0**

One-year
% point change
(vs. Fall 2020)

▼ **4**

Five-year
% point change
(vs. Fall 2016)



FINANCIAL HEALTH

ENDOWMENT ASSETS AND ANNUAL GROWTH IN ENDOWMENT

\$126.4M

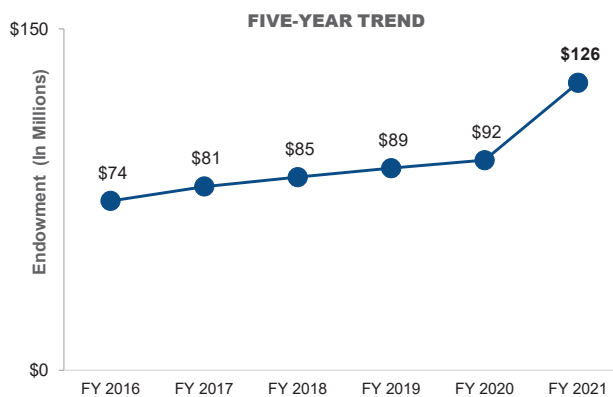
Endowment Assets
in FY 2021

▲ **37%**

One-year
% change
(vs. FY 2020)

▲ **70%**

Five-year
% change
(vs. FY 2016)



FINANCIAL HEALTH

ENDOWMENT ASSETS AND ANNUAL GROWTH IN ENDOWMENT

37%

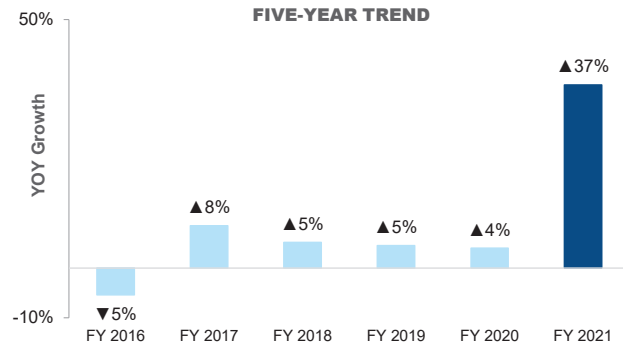
Annual Growth
in FY 2021

▲ 33

One-year
% point change
(vs. FY 2020)

▲ 42

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



ENDOWMENT PER ANNUALIZED STUDENT FTE

\$9.1k

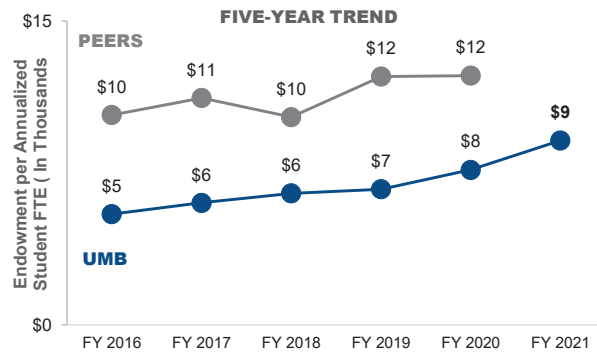
Endowment per Annualized
Student FTE
in FY 2021

▲ 19%

One-year
% change
(vs. FY 2020)

▲ 66%

Five-year
% change
(vs. FY 2016)



*Peer data for not available for reporting purposes.

PRIVATE FUNDS RAISED ANNUALLY

\$14.1M

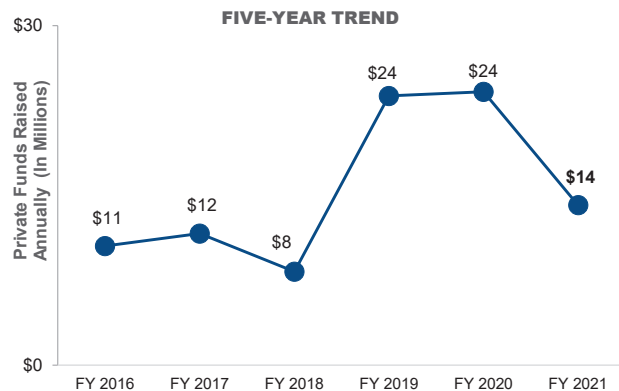
Private Funds
Raised Annually
in FY 2021

▼ 42%

One-year
% change
(vs. FY 2020)

▲ 34%

Five-year
% change
(vs. FY 2016)

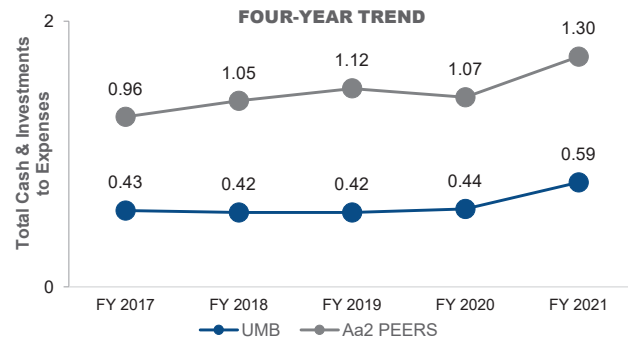


FINANCIAL HEALTH

TOTAL CASH & INVESTMENTS TO EXPENSES

0.59

Total Cash &
Investments to Expenses
in FY 2021



DEBT SERVICE BURDEN

4.2%

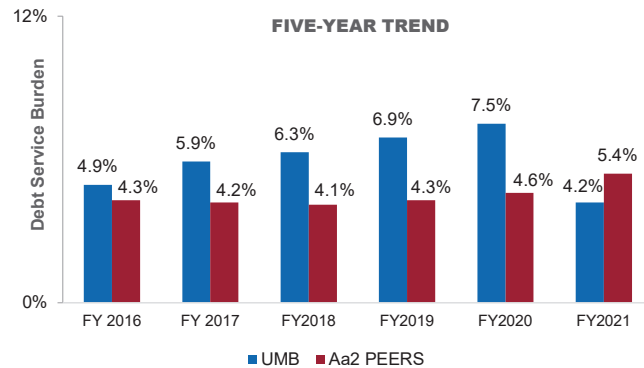
Debt Service
Burden
in FY 2021

▼ **3.3**

One-year
% Point change
(vs. FY 2020)

▼ **0.7**

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



OPERATING MARGIN (%)

5.8%

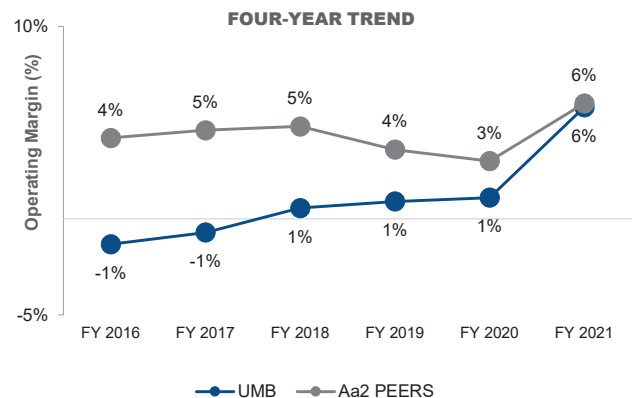
Operating Margin (%)
in FY 2021

• **0.0**

One-year
% Point change
(vs. FY 2020)

▲ **7.1**

Four-year
% Point change
(vs. FY 2017)



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.

Number of First-degree Bachelor-seeking Students Aged 25+. Number of currently enrolled first-degree bachelor-seeking students who are aged 25+ as of Sept 1 of the Fall semester.

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).

$$\frac{(\text{Full time Enrolled exclusively in online courses})}{(\text{Full time Enrolled in at least one, but not all, online courses} + \text{Full time Enrolled exclusively in online courses} + \text{part-time Enrolled in at least one, but not all, online courses} + \text{part-time Enrolled exclusively in online courses})}$$

DEFINITIONS AND SOURCES

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.

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.

Freshmen Twelve-semester Graduation

Rate. Percent of first-time, full-time, degree-seeking freshmen who entered UMass in a given Fall term and graduated from the institution within twelve active semesters (Fall and Spring semesters) within 10 years of their initial attendance. 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.

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

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 Boston’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.

DEFINITIONS AND SOURCES

SERVICE TO THE COMMONWEALTH INDICATORS

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.

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.

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.

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 Boston 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.

Total Cash & Investments to Expenses.

Indicates the university's financial flexibility and resilience, and its ability to generate investment income. (Cash & Investments – debt service reserve funds) / Total expenses

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)

DEFINITIONS AND SOURCES

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

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

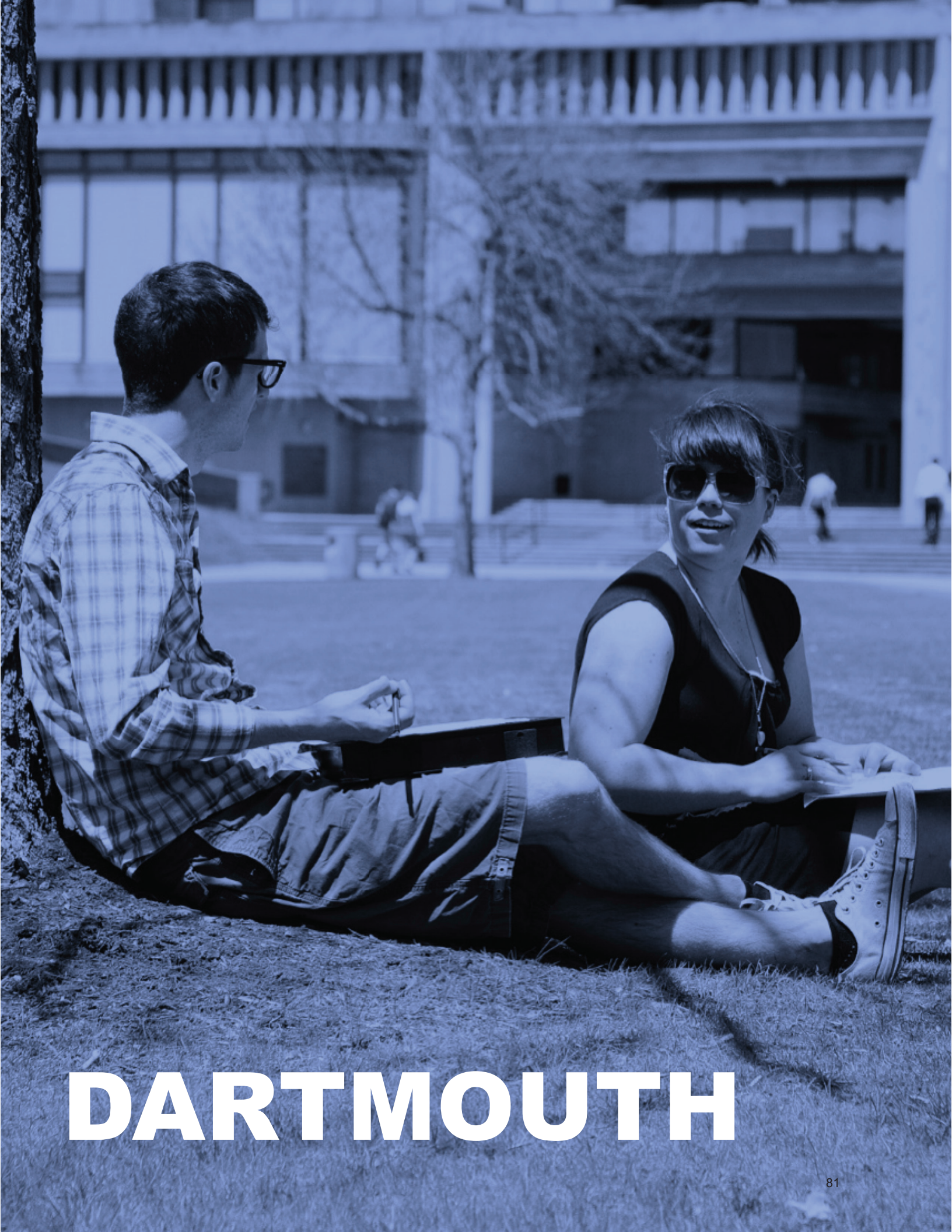
University of North Texas System, TX

University of Oregon, OR

University of South Carolina, SC

University of Wyoming, WY

Please Note: Unless otherwise specified, all data are 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 sixth 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 eight years.. In Fall 2021, the Law School enrolled the most academically qualified class in its history, as measured by median entering LSAT (Law School Admission Test) score and undergraduate GPA. At the same time, the Law School's total enrollment growth from 2016-2021 (96.2%; 186 to 365) ranked 3rd 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.

FY2022 is the seventh year that UMass Dartmouth has been classified as Doctoral Research University-Higher Research by Carnegie. The overall research and development expenditures increased 7% compared to last year, the patent office continues to increase its activities with license income over \$100K, and faculty engagement is growing.

UMass Dartmouth was ranked #59 nationally for social mobility, #3 for social mobility among universities in New England with nationally-ranked colleges, and second overall among all colleges and universities in MA (2022 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 through Online and Continuing Education had an annual increase of 14%, almost reaching 11,300. This is an 86% increase since AY16.

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 (2022 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 in-state undergraduate students (39%), percent

of need met (77%), percent undergraduate students of color (39%), percent from Massachusetts (89%), and percent of undergraduates where English is their second language (9%).

The Law School continues to offer by far the lowest tuition of any ABA-accredited law school in Massachusetts. It also has now established fourteen 3+3 accelerated degree programs with undergraduate institutions in Massachusetts and Rhode Island that enable students to complete their undergraduate and law degrees in six

HEADLINES

rather than seven years, saving one full year of tuition and living expenses.

STUDENT SUCCESS AND SATISFACTION

The one-year retention rate has decreased to 68.5% from 70% in 2020, and the four-year graduation rate declined to 35%. Transfer student retention stood at 75% in 2021 and the 4-year upper-division transfer graduation rate was 70%. 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 15% of our fall 2015 freshmen cohort graduated from another institution.

The Law School was ranked among the top law schools in the country for three of the last four years (2019; 2020; and 2022) for its program of experiential practical training, including ranking 2nd in Massachusetts and 4th in New England in 2022. The Masters of Public Policy program ranked 131 on the US News Best Public Affairs School Rankings. This represents an increase of 15 over last year's rankings. The rankings were first introduced in 2021 and are solely based on peer assessment results.

SERVICE TO THE COMMONWEALTH

In AY2021, UMass Dartmouth graduated 1,909 students, awarding 1,963 degrees and certificates. Because 68% 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.

In response to the needs of our community, the CNHS Doctor of Nursing Practice (DNP) program

has developed two new Certificates of Advanced Graduate Study (CAGS). The CAGS Psychiatric Mental Health NP was developed to address the significant shortage of psychiatric providers in our region. Given the aging population and shortage of primary care providers, the DNP program developed the CAGS Adult-Gerontology Primary Care NP. Graduates of these certificate programs will provide much needed access to healthcare in the communities surrounding the University, the state, and nationally. Over the past five years, 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 (26%). The Medical Laboratory Science Graduating Class of 2021 had 100% pass rate on their Certification Board Exam and 100% employment rate.

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.

UMass Dartmouth received \$43M in new funding from the Division of Capital Asset Management and Maintenance (DCAMM) to continue upgrades

HEADLINES

planned to the campus's main academic facilities, the Liberal Arts Building (LARTS). In addition to the recently awarded \$30M, this funding will enhance classrooms, labs, office spaces, and student meeting spaces within the Liberal Arts Building and Campus Center Building that houses the auditorium and other instructional spaces.

AT-A-GLANCE

ACADEMIC QUALITY

• Average HS GPA of Freshmen	3.37	• Percent Tenured/Tenure-Track Faculty FTE	63%
• Average SAT Scores of Freshmen		• Faculty FTE	444
<i>Arithmetic Mean</i>	1139	• Full-Time Instructional Faculty	
<i>25th – 75th Percentile</i>	1020-1250	<i>Percent Faculty-of-Color</i>	24%
• Average GPA of Entering Transfer Students	3.23	<i>Percent Women Faculty</i>	48%
• 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	39%
• Percent Undergraduates who are Students of Color	39%	• Percent of Need Met for In-State Students Awarded Need-Based Aid	77%
• Percent Undergraduates who are International	1%	• Average Debt of Students (UG Graduating Class)	\$33,680
• Percent First-Time Undergraduates who are First Generation in College	53%	• Percent Graduating Class with Debt (UG)	83%
• Percent First-time Undergraduates with English as a Second Language	9%	• Total Students who Participated in a Study Abroad Program	0
• Percent Undergraduates Who Are Of Transfer Origin	27%	• Online Course Registrations	11,239
• Number of First-degree Bachelor-seeking Students Aged 25+	2	Percentage of degree-seeking students taking at least one online course who were full time and fully online.	NR*
• Dual Enrollment Students (Headcount)	113		

STUDENT SUCCESS AND SATISFACTION

• Freshmen One-Year Retention Rate	68%	• Transfer (Full-time) One-Year Retention Rate	75%
• Freshmen Four-Year Graduation Rate	35%	• Transfer (Upper Division) Four-Year Graduation Rate	70%
• Freshmen Six-Year Graduation Rate	54%	• Alumni Participation Rate	1%
• Freshmen Twelve-Semester Graduation Rate	50%	• Student Satisfaction With Educational Experience	82%

AT-A-GLANCE

SERVICE TO THE COMMONWEALTH

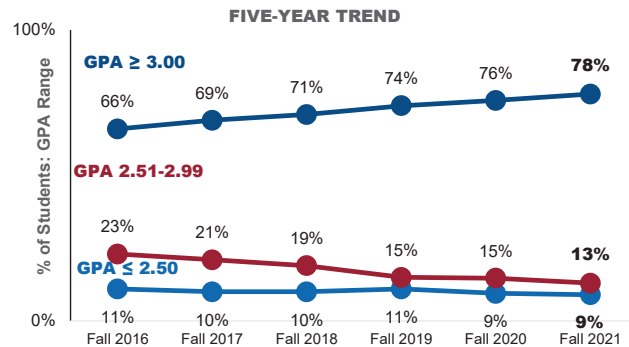
• Degree Completions	1,883	• Degrees Awarded in STEM Fields	428
<i>Bachelor's</i>	1327	<i>Undergraduate</i>	311
<i>Master's</i>	427	<i>Graduate</i>	117
<i>Doctorates</i>	129	• Certificates Awarded in STEM Fields	7
• Patent Applications	17	• Degrees Awarded in Healthcare Fields	232
• Total R&D Expenditures	\$29M	<i>Undergraduate</i>	202
• Total R&D Expenditures Ranking	243	<i>Graduate</i>	30
Total R&D Expenditures Ranking among		• Certificates Awarded in Healthcare	
• Carnegie Peers, US Publics, Non-Medical	38	Fields	5
• Total R&D Expenditures per Tenure System Faculty	\$102,604	• License Income	\$108,412
		• Percent Alumni who Remain in MA	68%

FINANCIAL HEALTH

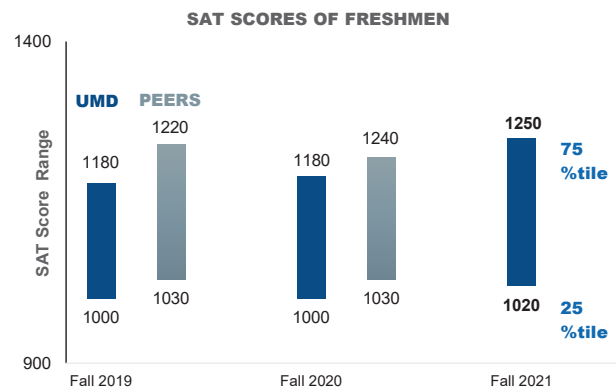
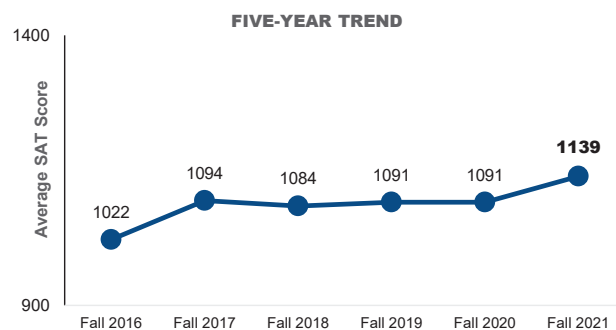
• Total Endowment	\$78.8M	• Total Cash & Investments to Expenses	0.64
• Annual Growth in Endowment	33.6%	• Debt Service Burden	4.1%
• Endowment per Annualized Student FTE	\$11,497	• Operating Margin (%)	0.7%
• Private Funds Raised Annually	\$3.1M		

ACADEMIC QUALITY

AVERAGE HIGH-SCHOOL GPA OF FIRST-TIME FRESHMEN

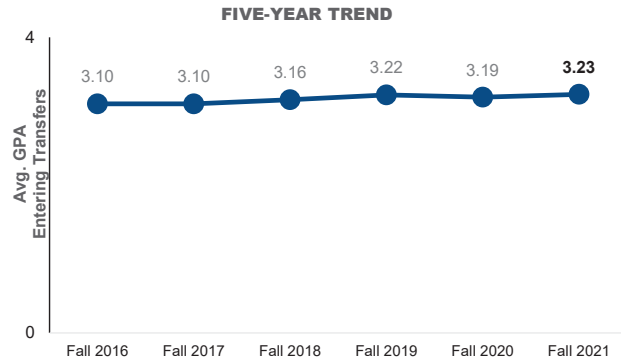
3.37Average HS
GPA
in Fall 2021▲ **0.06**One-year
nominal change
(vs. Fall 2020)▲ **0.16**Five-year
nominal change
(vs. Fall 2016)

SAT SCORES OF FRESHMEN

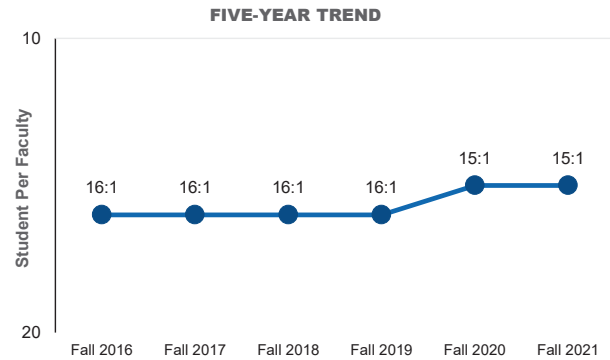
1250SAT Scores of Freshmen
75th Percentile
in Fall 2021▲ **60**One-year
nominal change
(vs. Fall 2020)**1020**SAT Scores of Freshmen
25th Percentile
in Fall 2021● **20**One-year
nominal change
(vs. Fall 2020)**1139**Average SAT Scores
of Freshmen
in Fall 2021▲ **48**One-year
nominal change
(vs. Fall 2020)

ACADEMIC QUALITY

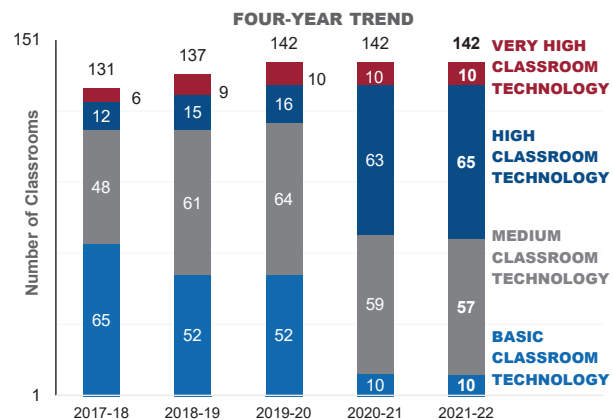
AVERAGE GPA OF ENTERING TRANSFER STUDENTS

3.23Average transfer
GPA
in Fall 2021▲ **0.04**One-year
nominal change
(vs. Fall 2020)▲ **0.13**Five-year
nominal change
(vs. Fall 2016)

STUDENT-FACULTY RATIO

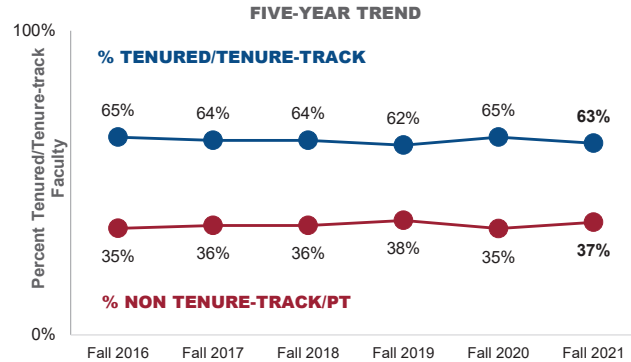
15:1Student-Faculty
Ratio
in Fall 2021● **0**One-year
nominal change
(vs. Fall 2020)▲ **1**Five-year
nominal change
(vs. Fall 2016)

TECHNOLOGY-ENHANCED CLASSROOMS

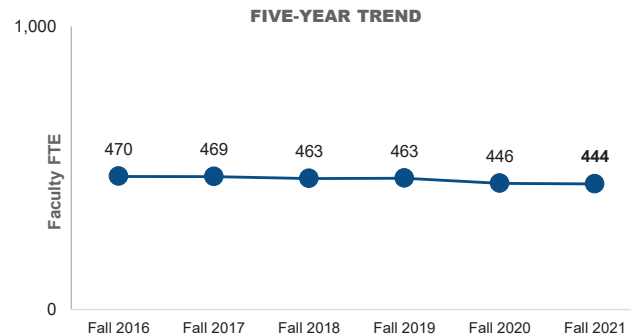
142Total Technology
Enhanced Classrooms
in 2021-22● **0%**One-year
% change
(vs. 2020-21)▲ **8%**Four-year
% change
(vs. 2017-18)

ACADEMIC QUALITY

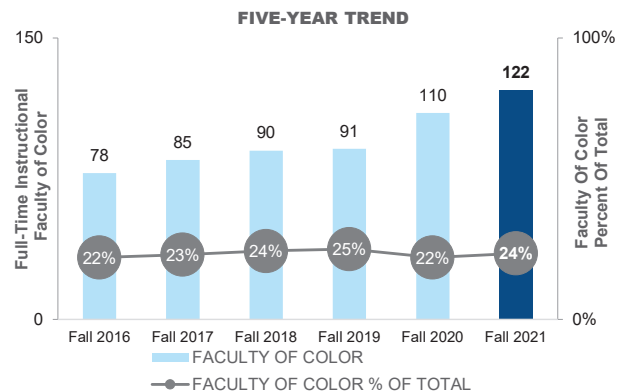
PERCENT TENURED/TENURE-TRACK FACULTY FTE

63%Percent Tenured/
Tenure-track Faculty
in Fall 2021▼ **2**One-year
% point change
(vs. Fall 2020)▼ **2**Five-year
% point change
(vs. Fall 2016)

FACULTY FTE

444Faculty FTE
in Fall 2021▼ **1%**One-year
% change
(vs. Fall 2020)▼ **6%**Five-year
% change
(vs. Fall 2016)

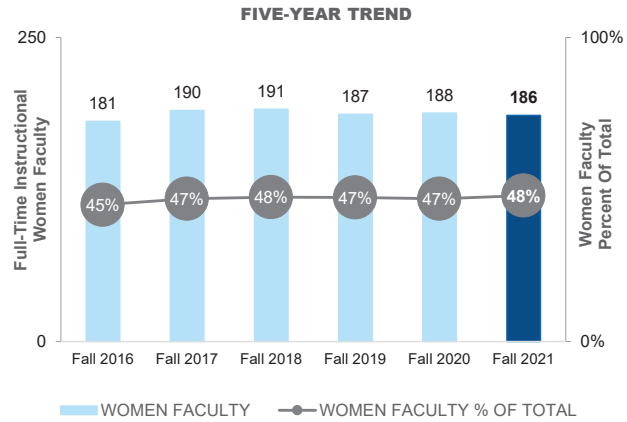
FACULTY-OF-COLOR

122Faculty Of Color
in Fall 2021▲ **12**One-year
nominal change
(vs. Fall 2020)▲ **44**Five-year
nominal change
(vs. Fall 2016)**24%**Percent of
Faculty Of Color
in Fall 2021▲ **2**One-year
% point
(vs. Fall 2020)▲ **2**Five-year
% point
(vs. Fall 2016)

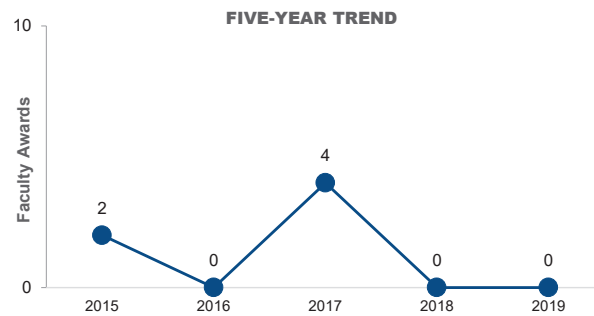
Faculty-of-Color based on US Citizens/Permanent Residents reporting Race/Ethnicity according to new IPEDS definitions.

ACADEMIC QUALITY

WOMEN FACULTY

186Women Faculty
in Fall 2021▼ **2**One-year
nominal change
(vs. Fall 2020)▲ **5**Five-year
nominal change
(vs. Fall 2016)**48%**Percent of
Women Faculty
in Fall 2021▲ **1**One-year
nominal change
(vs. Fall 2020)▲ **3**Five-year
nominal change
(vs. Fall 2016)

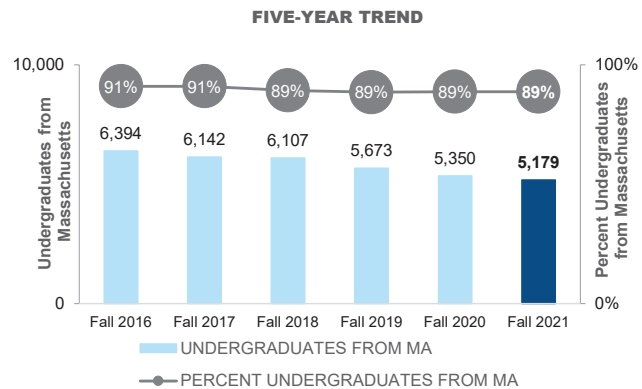
FACULTY AWARDS

0Faculty Awards
in 2019● **0**One-year
nominal change
(vs. 2019)▼ **2**Five-year
nominal change
(vs. 2015)* Faculty Awards
stopped at 2019

Source : The Top American Research Universities

ACCESS AND AFFORDABILITY

UNDERGRADUATES FROM MASSACHUSETTS

5,179Undergraduates from
Massachusetts
in Fall 2021▼ **3%**One-year
% change
(vs. Fall 2020)▼ **19%**Five-year
% change
(vs. Fall 2016)**89%**% Undergraduates
from Massachusetts
in Fall 2021● **0**One-year
% point change
(vs. Fall 2020)▼ **2**Five-year
% point change
(vs. Fall 2016)

ACCESS AND AFFORDABILITY

UNDERGRADUATE STUDENTS OF COLOR

2,107

Undergraduates
Students of Color
in Fall 2021

0%

One-year
% change
(vs. Fall 2020)

▼ 3%

Five-year
% change
(vs. Fall 2016)

39%

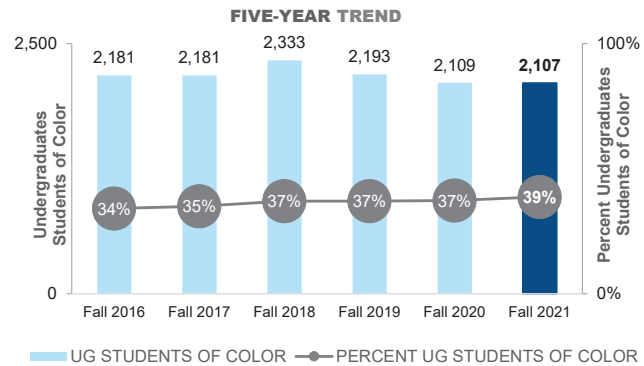
% Undergraduates
Students of Color
in Fall 2021

▲ 2

One-year
% point change
(vs. Fall 2020)

▲ 5

Five-year
% point change
(vs. Fall 2016)



UNDERGRADUATES WHO ARE INTERNATIONAL

77

International UG
Enrollment
in Fall 2021

▼ 15%

One-year
% change
(vs. Fall 2020)

▼ 55%

Five-year
% change
(vs. Fall 2016)

1%

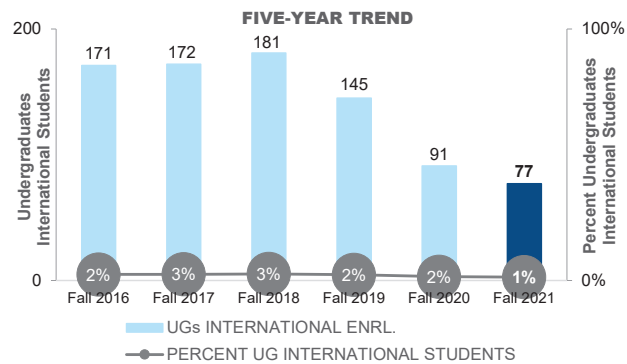
% International UG
Enrollment
in Fall 2021

▼ 1

One-year
% point change
(vs. Fall 2020)

▼ 1

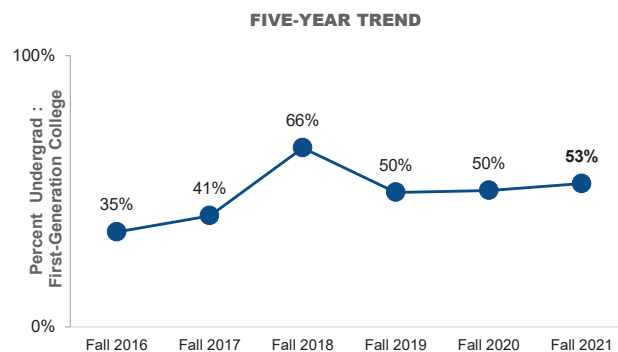
Five-year
% point change
(vs. Fall 2016)



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

53%

Percent first-time
Undergraduates
who are First-Generation
College in Fall 2021



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

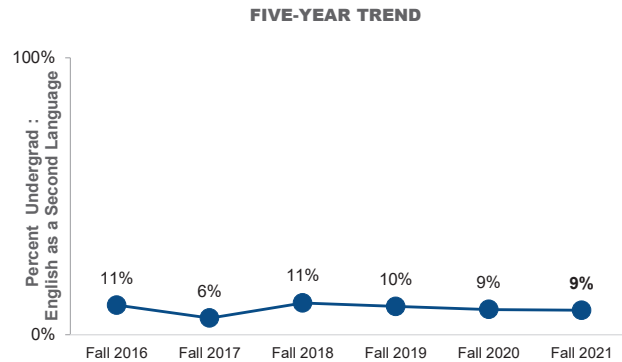
ACCESS AND AFFORDABILITY

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

9%

Percent Undergraduates
Speak English as a
Second Language
in Fall 2021

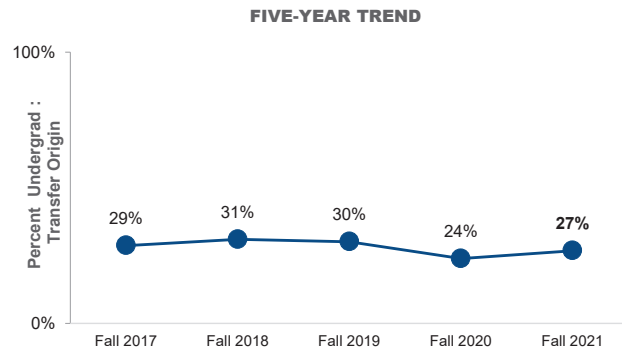
* The data source from Fall 2018 updated
to Common Application responses.



PERCENT UNDERGRADUATES WHO ARE OF TRANSFER ORIGIN

27%

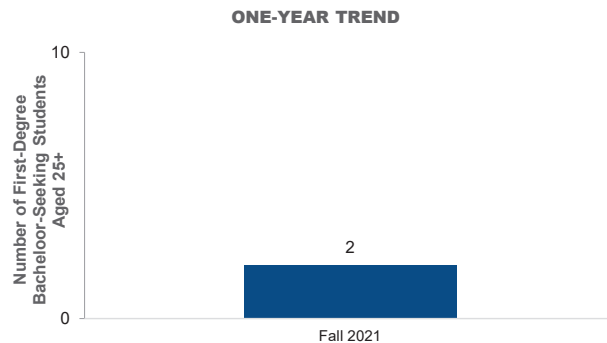
Percent Undergraduates
who are of Transfer-Origin
in Fall 2021



NUMBER OF FIRST-DEGREE BACHELOR-SEEKING STUDENTS AGED 25+

2

Number of First-Degree
Bachelor-Seeking
Students Aged 25+
in Fall 2021



ACCESS AND AFFORDABILITY

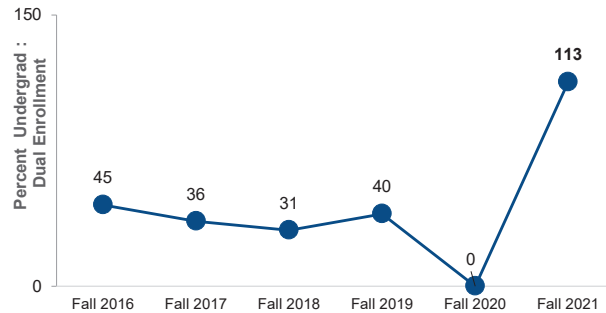
DUAL ENROLLMENT STUDENTS (HEADCOUNT)

113

Dual Enrolled
Students
in Fall 2021

*No Dual enrollment
in Fall 2020 due to COVID

FIVE-YEAR TREND



PERCENT IN-STATE PELL GRANT RECIPIENTS

39%

Percent (In-State)
Pell Grant Recipients
in Fall 2020

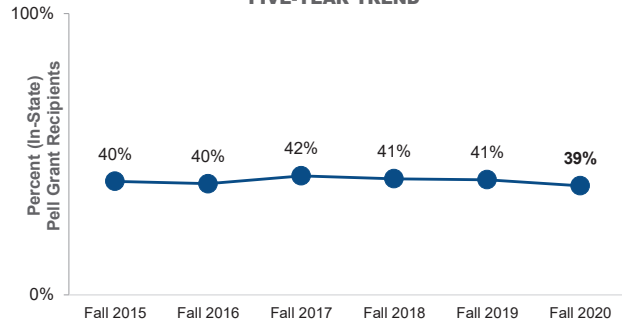
▼ **2**

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

▼ **1**

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

FIVE-YEAR TREND



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

77%

Percent Need Met for
(In-State) Need-Based
Aid in 2020-21

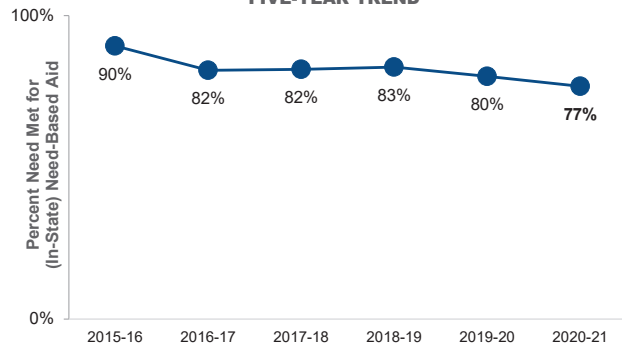
▼ **3**

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

▼ **13**

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

FIVE-YEAR TREND



ACCESS AND AFFORDABILITY

UNDERGRADUATE STUDENT DEBT LOAD OF GRADUATING CLASS

\$33.7k

Average Debt Load
in 2021

▼ **4%**

One-year
% change
(vs. 2020)

▲ **5%**

Five-year
% change
(vs. 2016)

83%

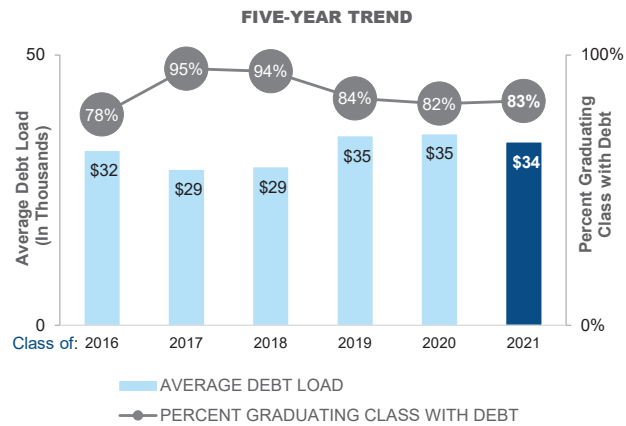
Percent Graduating
Class with Debt
in 2021

▲ **1**

One-year
% point change
(vs. 2020)

▲ **5**

Five-year
% point change
(vs. 2016)



TOTAL STUDENTS WHO PARTICIPATED IN A STUDY ABROAD PROGRAM

0

Students who participated
in Study Abroad
in Fall 2020-Smr.21

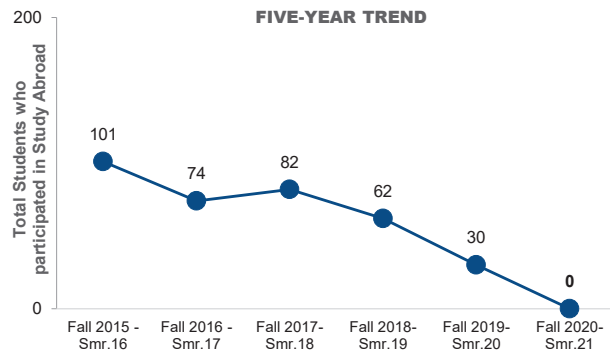
▼ **30**

One-year
nominal change
vs. Fall 2019-Smr.20

▼ **101**

Five-year
nominal change
vs Fall 2015 - Smr.16

* Fall 2020-Smr. 21
was during COVID



TOTAL ONLINE COURSE REGISTRATIONS

11,239

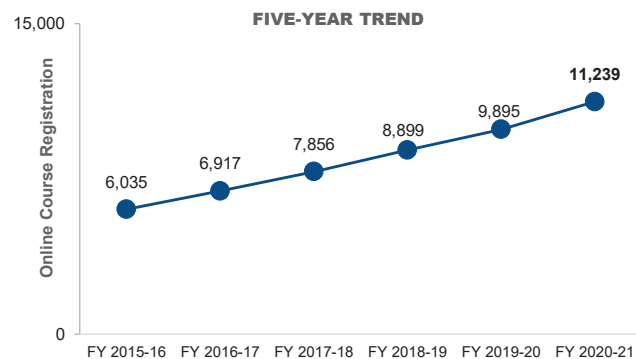
Online Course
Registrations
in FY 2020-21

▲ **14%**

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

▲ **86%**

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



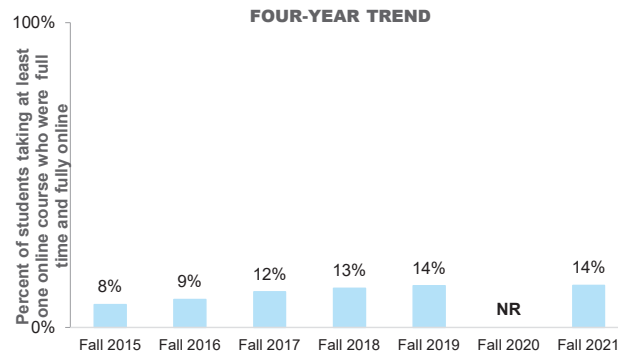
ACCESS AND AFFORDABILITY

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

NR*

Students taking at least one online course who were full time and fully online in Fall 2020

* Data not reported, as all students shifted to online learning during the pandemic



STUDENT SUCCESS AND SATISFACTION

FRESHMEN ONE-YEAR RETENTION RATE

68%

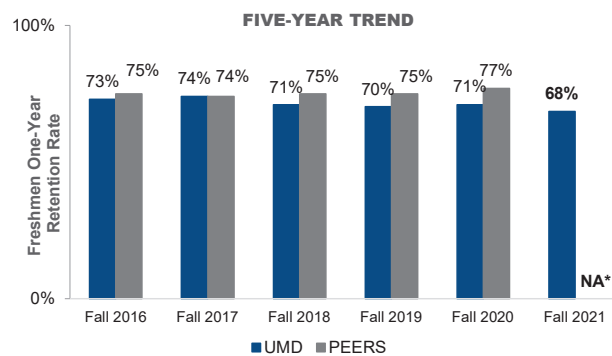
Freshmen One-Year Retention Rate in Fall 2021

▼ 3

One-year % point change (vs. Fall 2020)

▼ 5

Five-year point (vs. Fall 2016)



* Peer data for Fall 2021 not available for reporting purposes.

FRESHMEN FOUR-YEAR GRADUATION RATES

35%

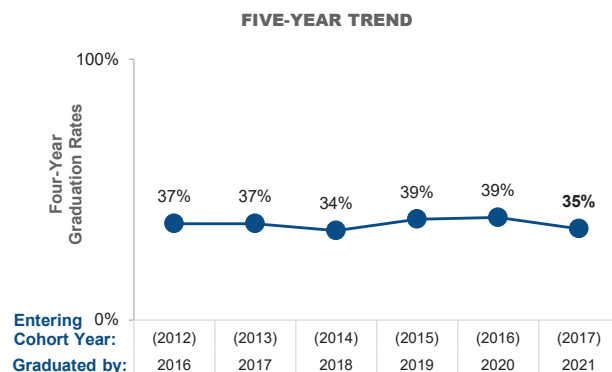
Freshmen Four-Year Graduation Rates in 2021

▼ 4

One-year % point change (vs. 2020)

▼ 2

Five-year % point change (vs. 2016)



STUDENT SUCCESS AND SATISFACTION

FRESHMEN SIX-YEAR GRADUATION RATE

54%

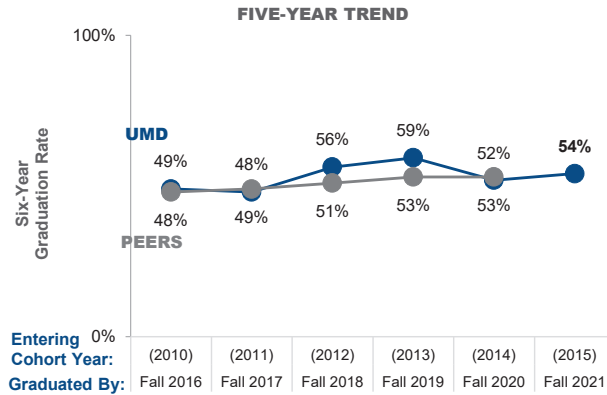
UMD Freshmen Six-Year
Graduation Rates
in Fall 2021

▲ **2**

One-year
% point change
(vs. Fall 2020)

▲ **5**

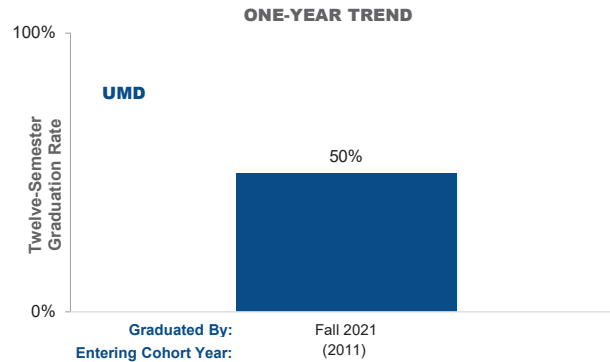
Five-year
% point change
(vs. Fall 2016)



FRESHMEN TWELVE-SEMESTER GRADUATION RATE

50%

UMD Freshmen
Twelve-semester
Graduation Rates
in Fall 2021



TRANSFER (FULL-TIME) ONE-YEAR RETENTION RATE

75%

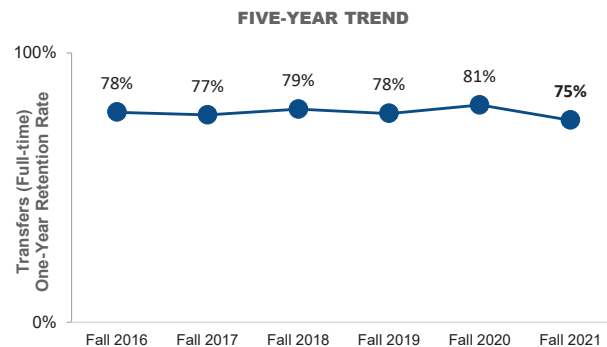
Transfers (Full-time)
One-Year
Retention Rate
in Fall 2021

▼ **6**

One-year
% point change
(vs. Fall 2020)

▼ **3**

Five-year
% point change
(vs. Fall 2016)



STUDENT SUCCESS AND SATISFACTION

TRANSFER (UPPER DIVISION) FOUR-YEAR GRADUATION RATE

70%

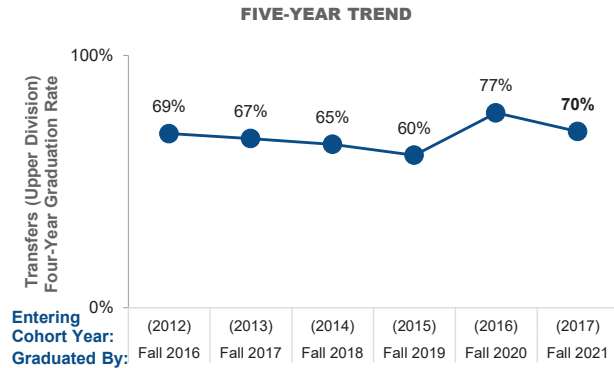
Transfers (Upper Division) Four-Year Graduation Rates in Fall 2021

▼ 7

One-year % point change (vs. Fall 2020)

▲ 1

Five-year % point change (vs. Fall 2016)



STUDENT ACHIEVEMENT MEASURE

Cohort starting in : 2015-16

44%

Bachelor's Degree Within 4 Yrs. from any institution

63%

Bachelor's Degree Within 5 Yrs. From any institution

68%

Bachelor's Degree Within 6 Yrs. From any institution

38%

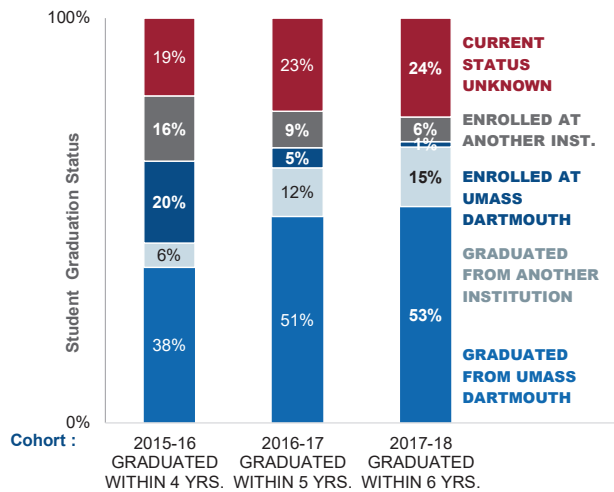
Bachelor's Degree Within 4 Yrs. from UMass Dartmouth

51%

Bachelor's Degree Within 5 Yrs. From UMass Dartmouth

53%

Bachelor's Degree Within 6 Yrs. From UMass Dartmouth



Source : Student Achievement Measure (SAM)

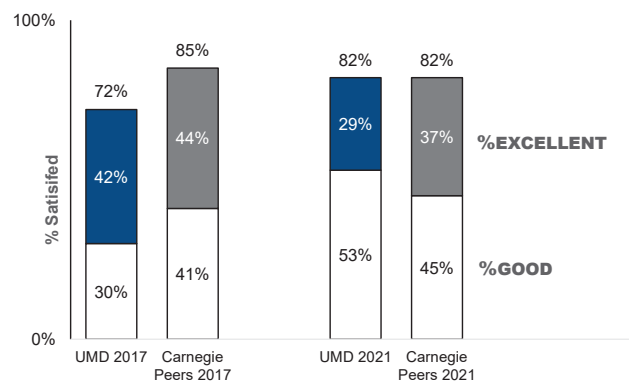
STUDENT SATISFACTION WITH EDUCATIONAL EXPERIENCE

82%

Student Satisfaction as Good or Excellent in UMD 2021

▲ 10

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



STUDENT SUCCESS AND SATISFACTION

ALUMNI PARTICIPATION RATE

1%

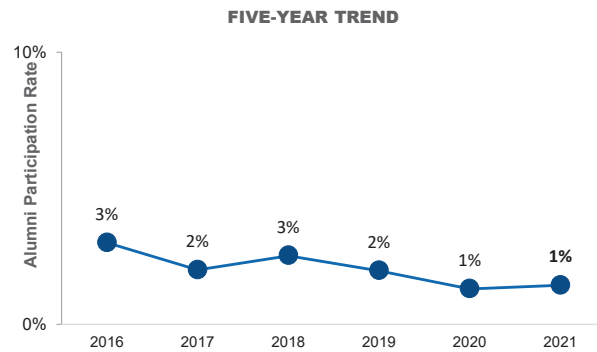
Alumni Participation
Rate
in 2021

0

One-year
% point change
(vs. 2020)

▼ 2

Five-year
% point change
(vs. 2016)



SERVICE TO THE COMMONWEALTH

DEGREE COMPLETIONS

1,883

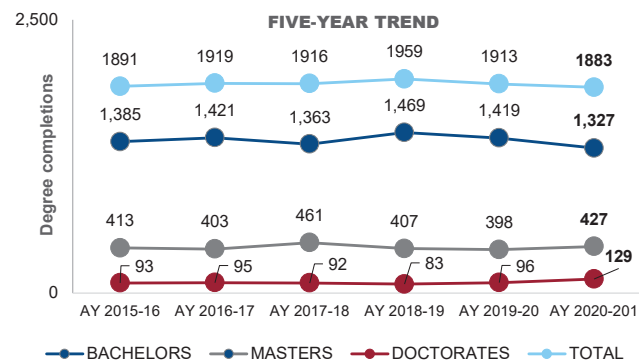
Total degree
completions
AY 2020-201

▼ 2%

One-year
% change
in total degree
completions
(vs. AY 2019-20)

▼ 0%

Five-year
% change
in total degree
completions
(vs. AY 2015-16)



NUMBER OF PATENT APPLICATIONS

17

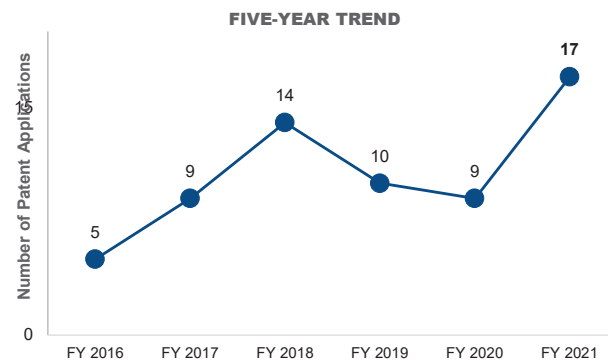
Patent
Applications
in FY 2021

▲ 8

One-year
nominal change
(vs. FY 2020)

▲ 12

Five-year
nominal change
(vs. FY 2016)



SERVICE TO THE COMMONWEALTH

TOTAL R&D EXPENDITURES

\$28.7

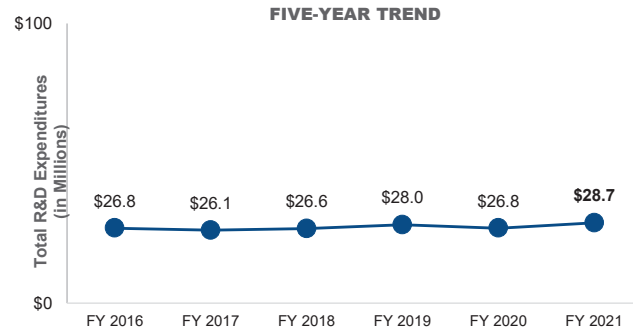
Million
in FY 2021

▲ 7%

One-year
% change
(vs. FY 2020)

▲ 7%

Five-year
% change
(vs. FY 2016)



TOTAL R&D EXPENDITURES RANKINGS

243

Total R&D Expenditures
Overall Rankings
in FY 2020

● 0

One-year
nominal change
(vs. FY 2019)

▼ 7

Five-year
nominal change
(vs. FY 2015)

38

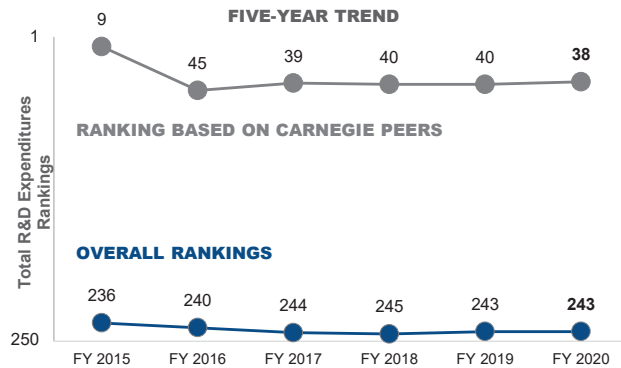
Rankings based on
Carnegie Peers
in FY 2020

▲ 2

One-year
nominal change
(vs. FY 2019)

▼ 29

Five-year
nominal change
(vs. FY 2015)



NOTE: FY15 were Master's Carnegie.

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

\$103k

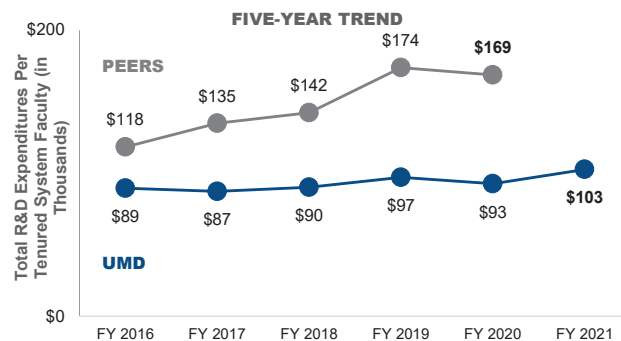
Total R&D Expenditure
Per Tenured
System Faculty
in FY 2021

▲ 11%

One-year
% change
(vs. FY 2020)

▲ 15%

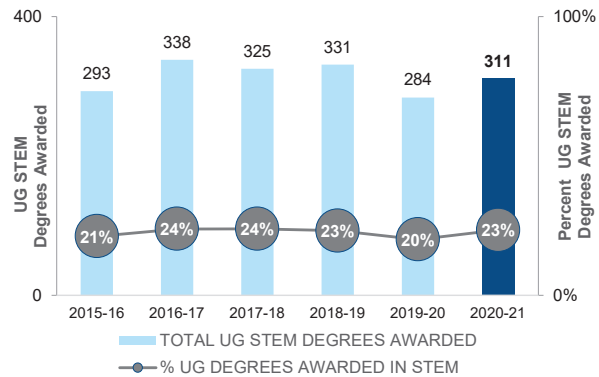
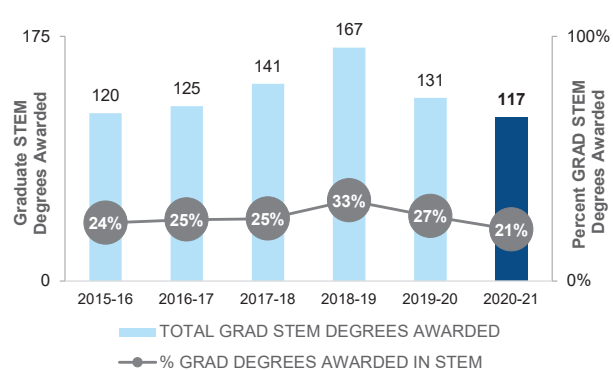
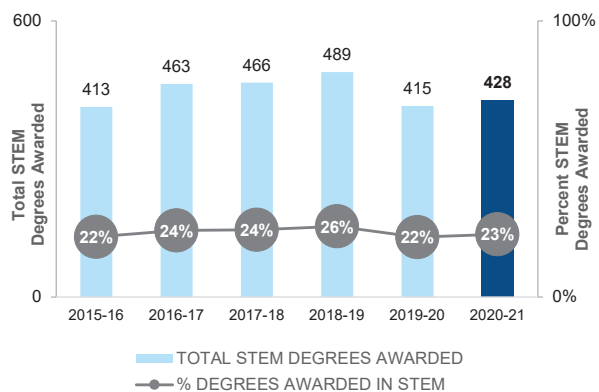
Five-year
% change
(vs. FY 2016)



* Peer data for FY 2021 is currently not available.

SERVICE TO THE COMMONWEALTH

DEGREES AWARDED IN STEM FIELDS

311UG degrees awarded
in STEM fields
in 2020-21▲ **10%**One-year
% change
(vs. 2019-20)▲ **6%**Five-year
% change
(vs. 2015-16)**23%**Percent of total UG
degrees awarded in
STEM fields
in 2020-21▲ **3**One-year
% point change
(vs. 2019-20)▲ **2**Five-year
% point change
(vs. 2015-16)UNDERGRAD STEM DEGREES AWARDED
FIVE-YEAR TRENDGRAD STEM DEGREES AWARDED
FIVE-YEAR TRENDTOTAL STEM DEGREES AWARDED
FIVE-YEAR TREND**428**Total degrees awarded
in STEM fields
in 2020-21▲ **3%**One-year
% change
(vs. 2019-20)▲ **4%**Five-year
% change
(vs. 2015-16)**23%**Percent of Total
degrees awarded in
STEM fields
in 2020-21▲ **1**One-year
% point change
(vs. 2019-20)▲ **1**Five-year
% point change
(vs. 2015-16)

SERVICE TO THE COMMONWEALTH

CERTIFICATES AWARDED IN STEM FIELDS

7

Total Certificates awarded
in STEM fields
in 2020-21

.0

One-year
nominal change
(vs. 2019-20)

▲ 4

Five-year
nominal change
(vs. 2015-16)

13%

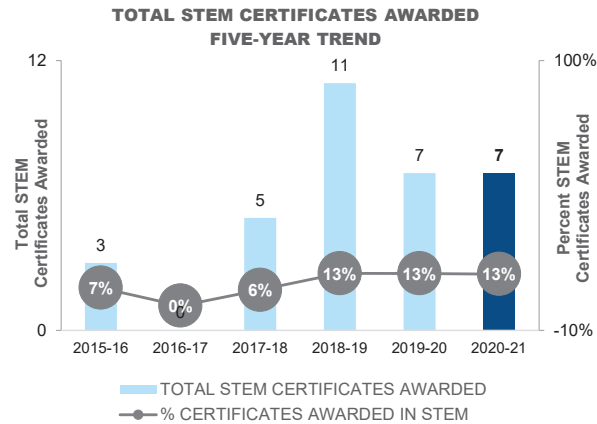
Percent of Total
Certificates awarded in
STEM fields
in 2020-21

.0

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

▲ 6

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



DEGREES AWARDED IN HEALTHCARE FIELDS

232

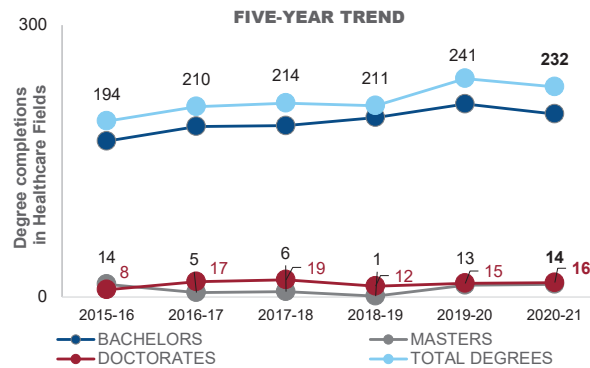
Total degrees awarded
in HealthCare fields
in 2020-21

▼ 4%

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

▲ 20%

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



CERTIFICATES AWARDED IN HEALTHCARE FIELDS

5

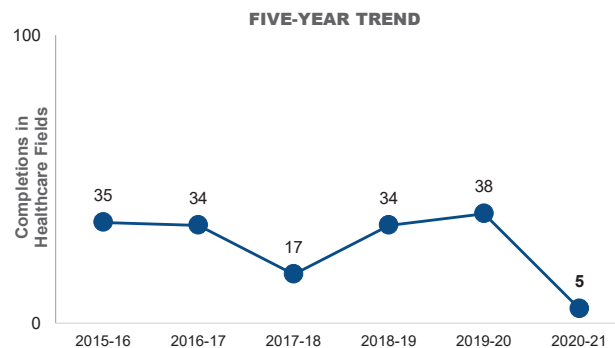
Total Certificates awarded
in HealthCare fields
in 2020-21

▼ 87%

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

▼ 86%

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



SERVICE TO THE COMMONWEALTH

LICENSE INCOME

\$108.4k

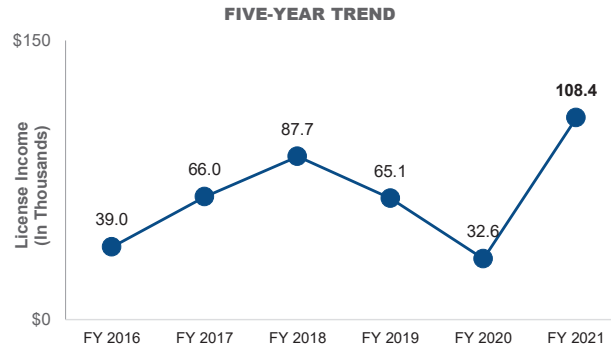
License Income
in FY 2021

▲ 232%

One-year
% change
(vs. FY 2020)

▲ 178%

Five-year
% change
(vs. FY 2016)



PERCENT ALUMNI WHO LIVE IN MASSACHUSETTS

68%

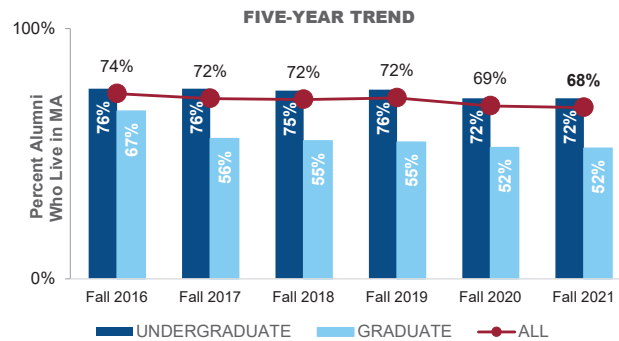
Of all UMass Alumni
live in the Commonwealth
in Fall 2021

▼ 1

One-year
% point change
(vs. Fall 2020)

▼ 6

Five-year
% point change
(vs. Fall 2016)



FINANCIAL HEALTH

ENDOWMENT ASSETS AND ANNUAL GROWTH IN ENDOWMENT

\$78.8M

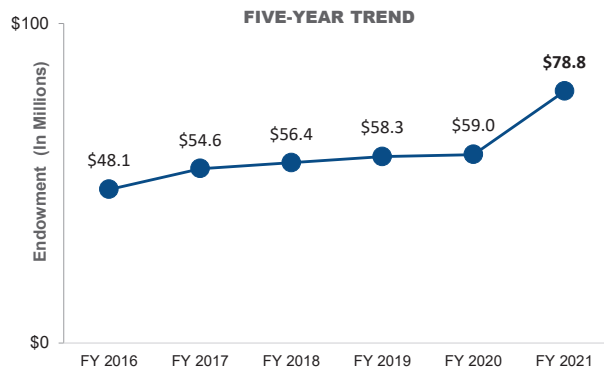
Endowment Assets
in FY 2021

▲ 34%

One-year
% change
(vs. FY 2020)

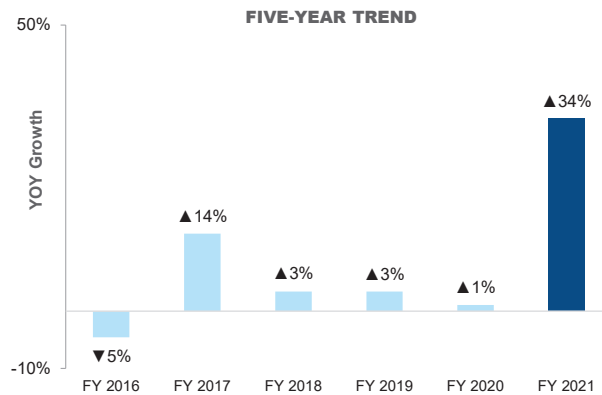
▲ 64%

Five-year
% change
(vs. FY 2016)

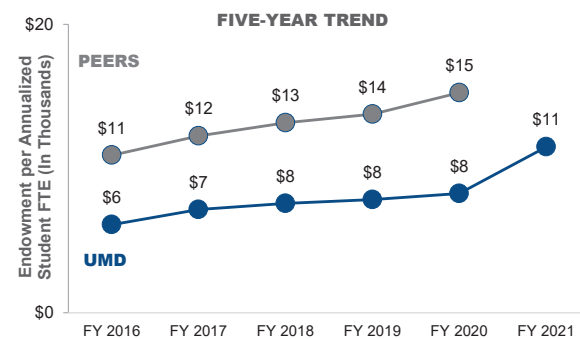


FINANCIAL HEALTH

ENDOWMENT ASSETS AND ANNUAL GROWTH IN ENDOWMENT

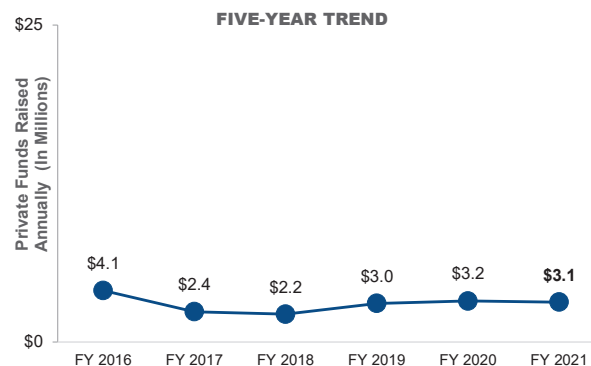
34%Annual Growth
in FY 2021**33**One-year
% point change
(vs. FY 2020)**39**Five-year
% point change
(vs. FY 2016)

ENDOWMENT PER ANNUALIZED STUDENT FTE

\$11.5kEndowment per Annualized
Student FTE
in FY 2021**39%**One-year
% change
(vs. FY 2020)**88%**Five-year
% change
(vs. FY 2016)

* Peer data for FY 2021 not available for reporting purposes.

PRIVATE FUNDS RAISED ANNUALLY

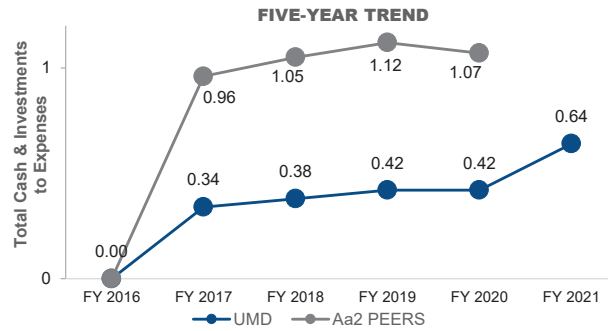
\$3.1MPrivate Funds
Raised Annually
in FY 2021**3%**One-year
% change
(vs. FY 2020)**22%**Five-year
% change
(vs. FY 2016)

FINANCIAL HEALTH

TOTAL CASH & INVESTMENTS TO EXPENSES

0.64

Total Cash &
Investments to Expenses
in FY 2021



DEBT SERVICE BURDEN

4.1%

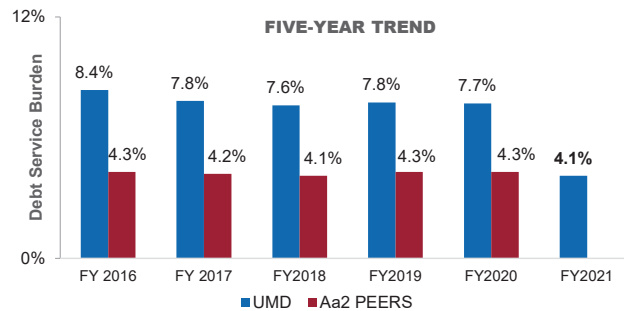
Debt Service
Burden
in FY 2021

▼ 3.6

One-year
% Point change
(vs. FY 2020)

▼ 4.3

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



OPERATING MARGIN (%)

0.7%

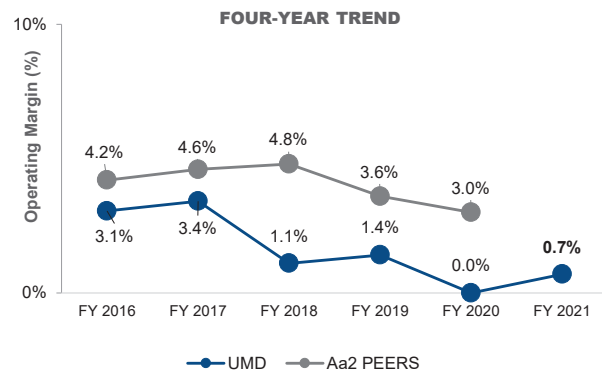
Operating Margin (%)
in FY 2021

▲ 1.0

One-year
% Point change
(vs. FY 2020)

▼ 2.4

Four-year
% Point change
(vs. FY 2017)



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.

Number of First-degree Bachelor-seeking Students Aged 25+.

Number of currently enrolled first-degree bachelor-seeking students who are aged 25+ as of Sept 1 of the Fall semester.

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).
$$\frac{(\text{Full time Enrolled exclusively in online courses})}{(\text{Full time Enrolled in at least one, but not all, online courses} + \text{Full time Enrolled exclusively in online courses} + \text{part-time Enrolled in at least one, but not all, online courses} + \text{part-time Enrolled exclusively in online courses})}$$

DEFINITIONS AND SOURCES

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.

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.

Freshmen Twelve-semester Graduation

Rate. Percent of first-time, full-time, degree-seeking freshmen who entered UMass in a given Fall term and graduated from the institution within twelve active semesters (Fall and Spring semesters) within 10 years of their initial attendance. 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.

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

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 “Highest Research” and with no medical school. Data source NCES WebCaspar/NSF HERD data tables.

DEFINITIONS AND SOURCES

SERVICE TO THE COMMONWEALTH INDICATORS

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.

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.

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.

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 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.

Total Cash & Investments to Expenses.

Indicates the university's financial flexibility and resilience, and its ability to generate investment income. (Cash & Investments – debt service reserve funds) / Total expenses

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)

DEFINITIONS AND SOURCES

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*

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 the UMass Dartmouth Office of Institutional Research.



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 2021 cohort's average high school GPA was 3.67, and the average SAT score was 1257. UML's transfer students posted an average entering GPA of 3.28, 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 2,052 students in Fall 2021.

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 2021, the average amount of R&D expenditures per tenure-stream faculty member was \$203,673, exceeding UMass Lowell's goal to reach \$155,500

per tenure-stream faculty member by FY 2020. UMass Lowell ranked 169 in R&D Expenditures in FY 2020. When compared to public Carnegie class peers without a medical school, UMass Lowell ranked 15th.

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 is 57%. In keeping with faculty diversity goals in the *2020 Strategic Plan*, the proportion of faculty of color in Fall 2021 increased to 29%, up one percentage point from 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 FY21. 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's incoming freshmen self-identified as the first in their family to attend college. Forty 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 82%. The four-year graduation rate was

48%, and the six-year graduation rate held steady at 69%. 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 jumped four percentage points to 76%.

HEADLINES

SERVICE TO THE COMMONWEALTH

UMass Lowell's *2020 Strategic Plan* called 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 2020-21 were in STEM fields. Just under 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. FY 2020-21 saw an increase of 14% over the previous year, continuing an eight-year trend of growth in online course registrations. FY 2020-21 also saw the largest number of online course registrations to date, at 40,637.

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 36% this year, to \$139 million. This affected the endowment per annualized FTE metric, which increased in turn to \$11,055. Private funds raised annually remained steady with last year, at \$21M.

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	3.67	• Percent Tenured/Tenure-Track Faculty FTE	57%
• Average SAT Scores of Freshmen		• Faculty FTE	763
• <i>Arithmetic Mean</i>	1257	• Full-Time Instructional Faculty	
• <i>25th – 75th Percentile</i>	1170-1320	• <i>Percent Faculty-of-Color</i>	29%
• Average GPA of Entering Transfer Students	3.28	• <i>Percent Women Faculty</i>	46%
• Student-Faculty Ratio	18:1	• Faculty Awards	0
• Technology-Enhanced Classrooms	192		

ACCESS AND AFFORDABILITY

• Percent Undergraduates from Students from MA	86%	• Percent In-State Pell Grant Recipients	31%
• Percent Undergraduates who are Students of Color	40%	• 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)	\$33,297
• Percent First-Time Undergraduates who are First Generation in College	39%	• Percent Graduating Class with Debt (UG)	75%
• Percent First-Time Undergraduates with English as a Second Language	NA*	• Total Students who Participated in a Study Abroad Program	40
• Percent Undergraduates Who Are Of Transfer Origin	28%	• Online Course Registrations	40,637
• Number of First-degree Bachelor-seeking Students Aged 25+	2035	• Percentage of degree-seeking students taking at least one online course who were full time and fully online	NR*
• Dual Enrolled Students (Headcount)	38		

STUDENT SUCCESS AND SATISFACTION

• Freshmen One-Year Retention Rate	82%	• Transfer (Full-time) One-Year Retention Rate	82%
• Freshmen Four-Year Graduation Rate	48%	• Transfer (Upper Division) Four-Year Graduation Rate	76%
• Freshmen Six-Year Graduation Rate	69%	• Student Satisfaction With Educational Experience	85%
• Freshmen Twelve-Semester Graduation Rate	63%	• Alumni Participation Rate	5%

AT-A-GLANCE

SERVICE TO THE COMMONWEALTH

• Degree Completions	4,448	• Degrees Awarded in STEM Fields	1,868
<i>Bachelor's</i>	3117	<i>Undergraduate</i>	1,350
<i>Master's</i>	1192	<i>Graduate</i>	518
<i>Doctorates</i>	139	• Certificates Awarded in STEM Fields	117
• Patent Applications	31	• Degrees Awarded in Healthcare Fields	356
• Total R&D Expenditures	\$95M	<i>Undergraduate</i>	214
• Total R&D Expenditures Ranking	169	<i>Graduate</i>	142
Total R&D Expenditures Ranking among		• Certificates Awarded in Healthcare	
• Carnegie Peers, US Publics, Non-Medical	15	Fields	36
• Total R&D Expenditures per Tenure		• License Income	\$443,691
• System Faculty	\$203,673	• Percent Alumni who Remain in MA	59%

FINANCIAL HEALTH

• Total Endowment	\$139.5M	• Total Cash & Investments to Expenses	0.65
• Annual Growth in Endowment	36.0%	• Debt Service Burden	4.9%
• Endowment per Annualized Student FTE	\$11,055	• Operating Margin (%)	2.9%
• Private Funds Raised Annually	\$21.3M		

ACADEMIC QUALITY

AVERAGE HIGH-SCHOOL GPA OF FIRST-TIME FRESHMEN

3.67

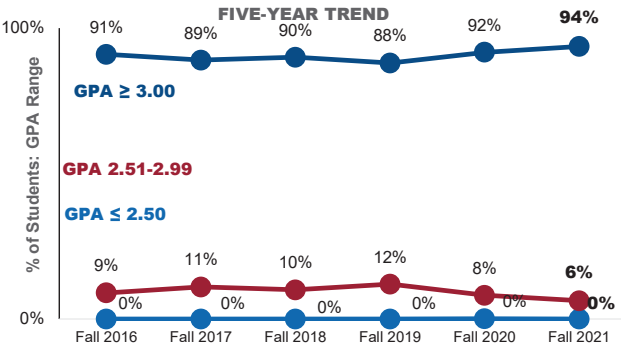
Average HS
GPA
in Fall 2021

▲ 0.01

One-year
nominal change
(vs. Fall 2020)

▲ 0.08

Five-year
nominal change
(vs. Fall 2016)



SAT SCORES OF FRESHMEN

1320

SAT Scores of Freshmen
75th Percentile
in Fall 2021

▲ 10

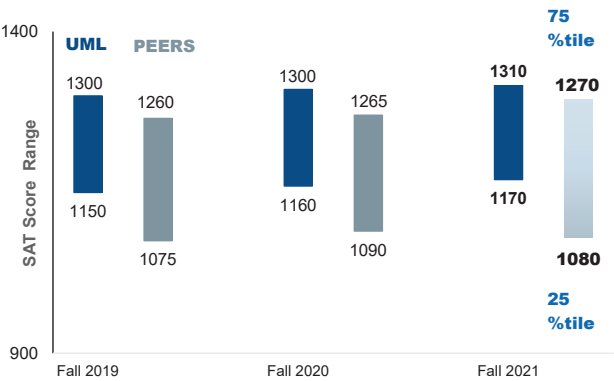
One-year
nominal change
(vs. Fall 2020)

1170

SAT Scores of Freshmen
25th Percentile
in Fall 2021

▲ 10

One-year
nominal change
(vs. Fall 2020)

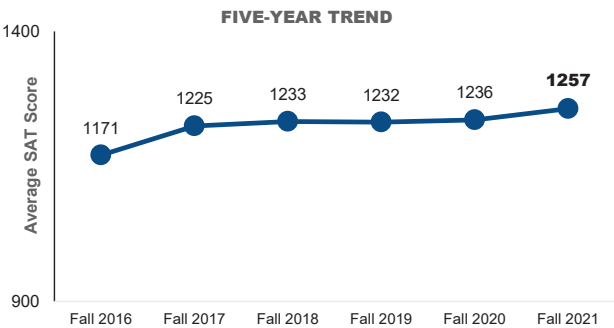


1257

Average SAT Scores
of Freshmen
in Fall 2021

▲ 21

One-year
nominal change
(vs. Fall 2020)



ACADEMIC QUALITY

AVERAGE GPA OF ENTERING TRANSFER STUDENTS

3.28

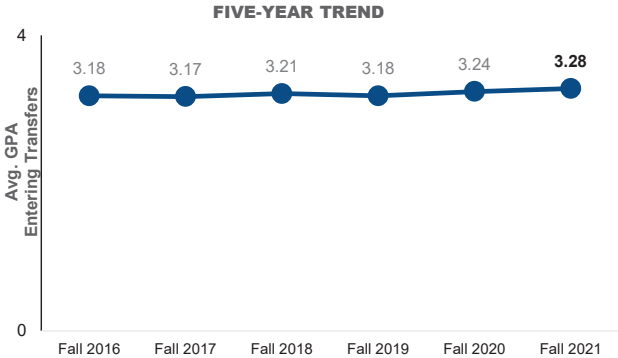
Average transfer GPA in Fall 2021

▲ 0.04

One-year nominal change (vs. Fall 2020)

▲ 0.10

Five-year nominal change (vs. Fall 2016)



STUDENT-FACULTY RATIO

18:1

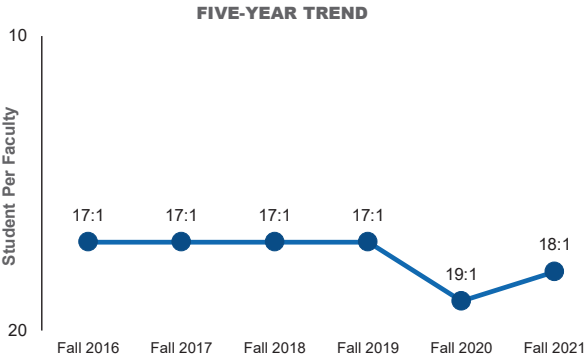
Student-Faculty Ratio in Fall 2021

▲ 1

One-year nominal change (vs. Fall 2020)

▼ 1

Five-year nominal change (vs. Fall 2016)



TECHNOLOGY-ENHANCED CLASSROOMS

192

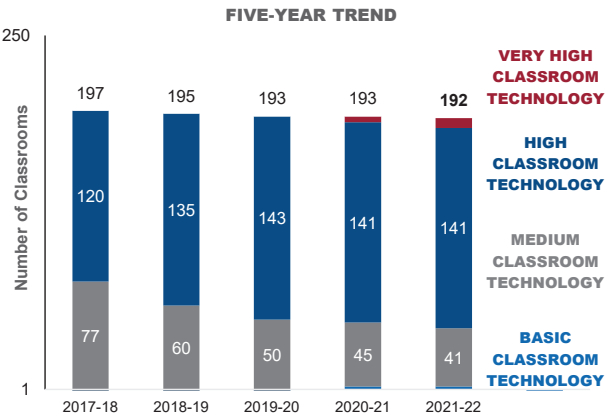
Total Technology Enhanced Classrooms in 2021-22

▼ 1%

One-year % change (vs. 2020-21)

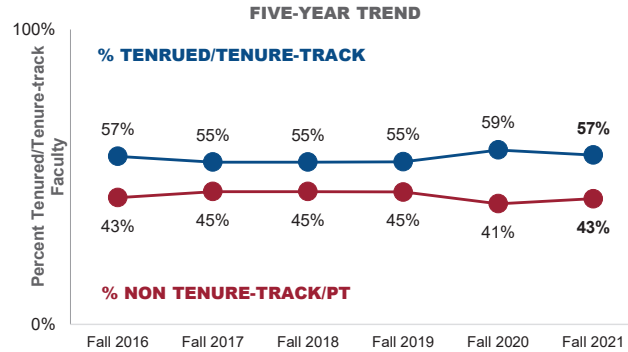
▼ 3%

Four-year % change (vs. 2017-18)

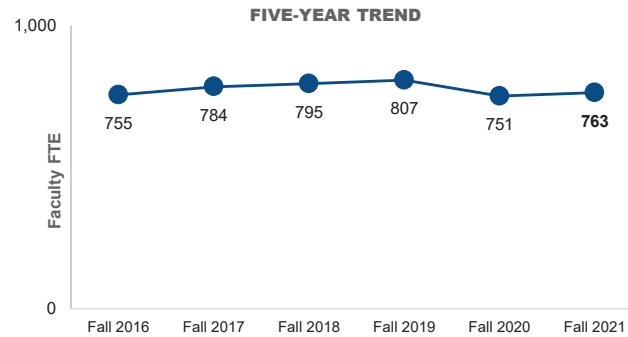


ACADEMIC QUALITY

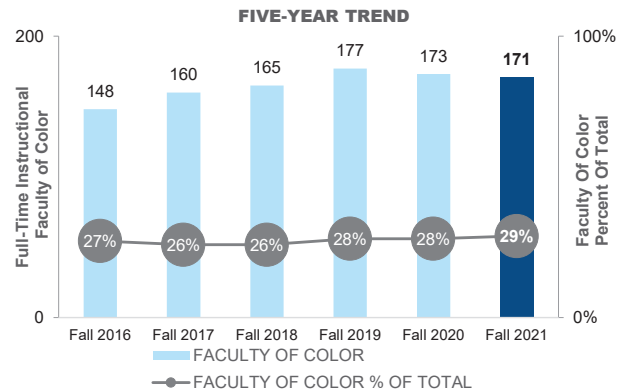
PERCENT TENURED/TENURE-TRACK FACULTY FTE

57%Percent Tenured/
Tenure-track Faculty
in Fall 2021**▼ 2**One-year
% point change
(vs. Fall 2020)**• 0**Five-year
% point change
(vs. Fall 2016)

FACULTY FTE

763Faculty FTE
in Fall 2021**▲ 2%**One-year
% change
(vs. Fall 2020)**▲ 1%**Five-year
% change
(vs. Fall 2016)

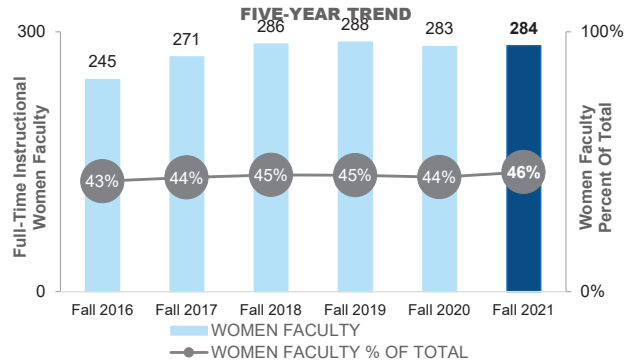
FACULTY-OF-COLOR

171Faculty Of Color
in Fall 2021**▼ 2**One-year
nominal change
(vs. Fall 2020)**▲ 23**Five-year
nominal change
(vs. Fall 2016)**29%**Percent of
Faculty Of Color
in Fall 2021**▲ 1**One-year
% point
(vs. Fall 2020)**▲ 2**Five-year
% point
(vs. Fall 2016)

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

ACADEMIC QUALITY

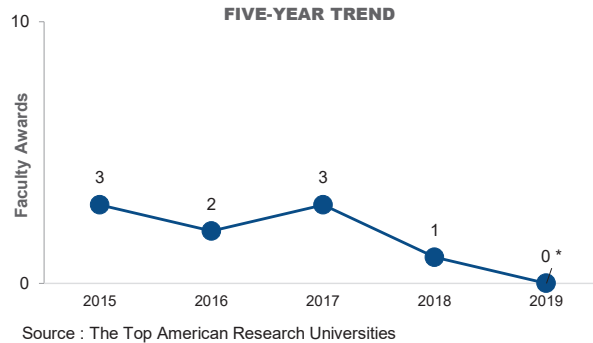
WOMEN FACULTY

284Women Faculty
in Fall 2021▲ **1**One-year
nominal change
(vs. Fall 2020)▲ **39**Five-year
nominal change
(vs. Fall 2016)**46%**Percent of
Women Faculty
in Fall 2021▲ **2**One-year
nominal change
(vs. Fall 2020)▲ **4**Five-year
nominal change
(vs. Fall 2016)

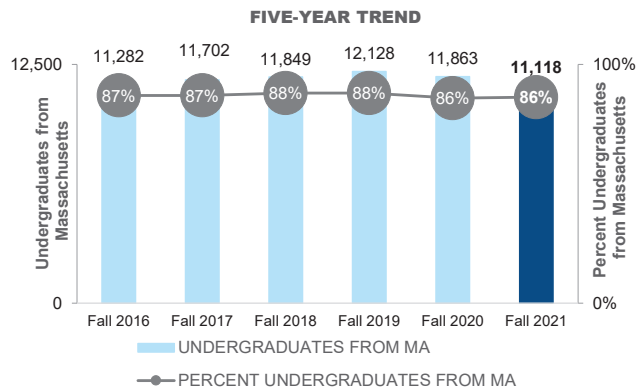
FACULTY AWARDS

0Faculty Awards
in 2019● **0**One-year
nominal change
(vs. 2019)▼ **3**Five-year
nominal change
(vs. 2015)

* Stopped in 2020



UNDERGRADUATES FROM MASSACHUSETTS

11,118Undergraduates from
Massachusetts
in Fall 2021▼ **6%**One-year
% change
(vs. Fall 2020)▼ **1%**Five-year
% change
(vs. Fall 2016)**86%**% Undergraduates
from Massachusetts
in Fall 2021● **0**One-year
% point change
(vs. Fall 2020)▼ **1**Five-year
% point change
(vs. Fall 2016)

ACCESS AND AFFORDABILITY

UNDERGRADUATE STUDENTS OF COLOR

4,849

Undergraduates
Students of Color
in Fall 2021

▼ **2%**

One-year
% change
(vs. Fall 2020)

▲ **25%**

Five-year
% change
(vs. Fall 2016)

40%

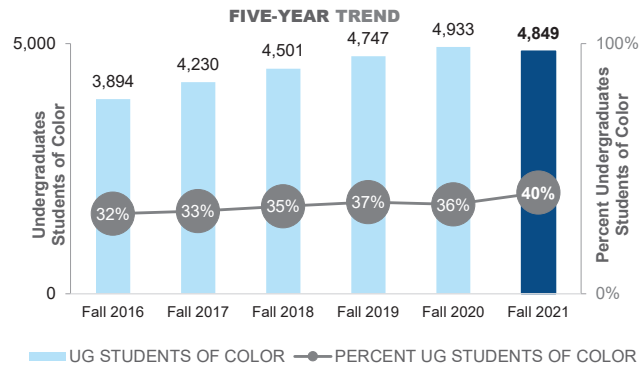
% Undergraduates
Students of Color
in Fall 2021

▲ **5**

One-year
% point change
(vs. Fall 2020)

▲ **8**

Five-year
% point change
(vs. Fall 2016)



UNDERGRADUATES WHO ARE INTERNATIONAL

352

International UG
Enrollment
in Fall 2021

▼ **13%**

One-year
% change
(vs. Fall 2020)

▼ **46%**

Five-year
% change
(vs. Fall 2016)

3%

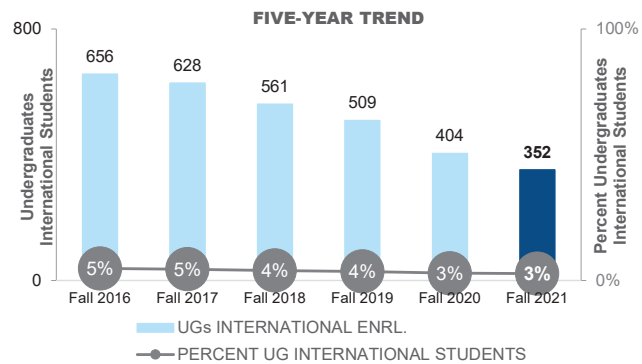
% International UG
Enrollment
in Fall 2021

● **0**

One-year
% point change
(vs. Fall 2020)

▼ **2**

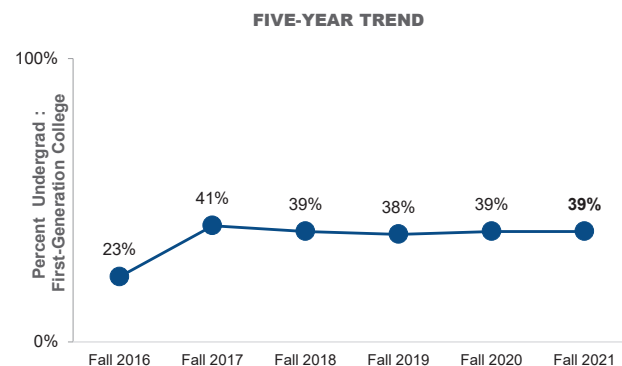
Five-year
% point change
(vs. Fall 2016)



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

39%

Percent first-time
Undergraduates
who are First-Generation
College in Fall 2021



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

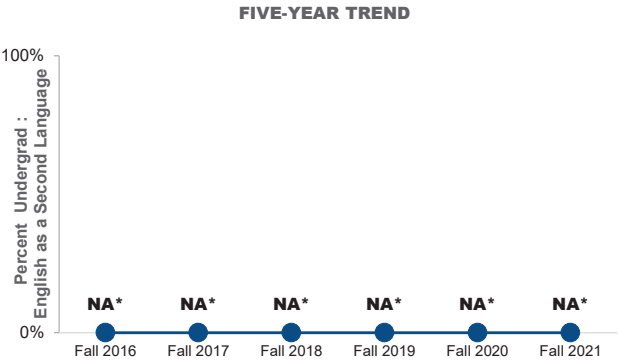
ACCESS AND AFFORDABILITY

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

NA*

Percent Undergraduates
Speak English as a
Second Language
in Fall 2021

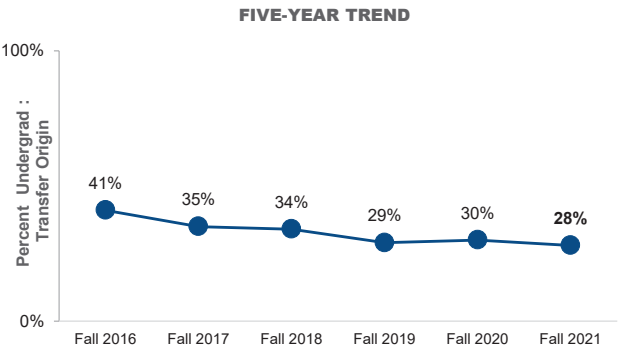
* The data source from Fall 2018 updated
to Common Application responses.



PERCENT UNDERGRADUATES WHO ARE OF TRANSFER ORIGIN

28%

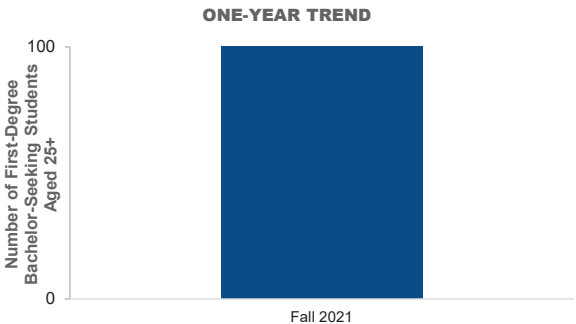
Percent Undergraduates
who are of Transfer-Origin
in Fall 2021



NUMBER OF FIRST-DEGREE BACHELOR-SEEKING STUDENTS AGED 25+

2035

Number of First-Degree
Bachelor-Seeking
Students Aged 25+
in Fall 2021

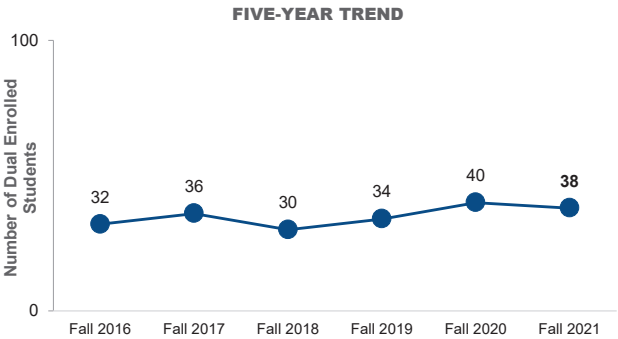


ACCESS AND AFFORDABILITY

DUAL ENROLLMENT STUDENTS (HEADCOUNT)

38

Dual Enrolled
Students
in Fall 2021



PERCENT IN-STATE PELL GRANT RECIPIENTS

31%

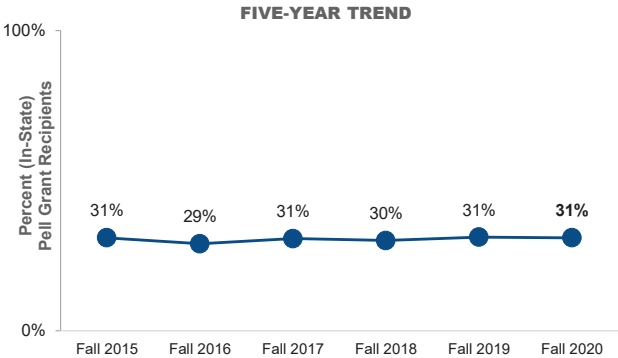
Percent (In-State)
Pell Grant Recipients
in Fall 2020

▼ 0

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

• 0

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



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

88%

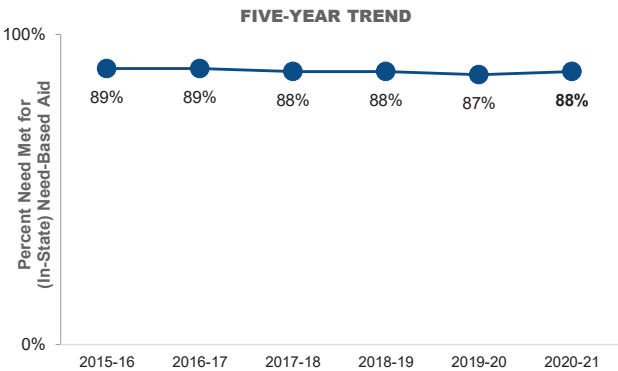
Percent Need Met for
(In-State) Need-Based
Aid in 2020-21

▲ 1

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

▼ 1

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



ACCESS AND AFFORDABILITY

UNDERGRADUATE STUDENT DEBT LOAD OF GRADUATING CLASS

\$33.3k

Average Debt Load
in 2021

▼ **1%**

One-year
% change
(vs. 2020)

▲ **6%**

Five-year
% change
(vs. 2016)

75%

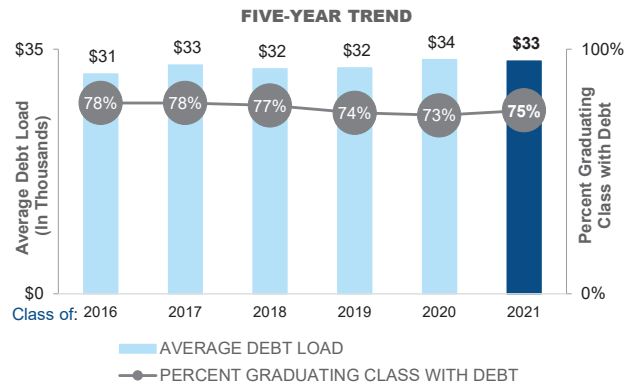
Percent Graduating
Class with Debt
in 2021

▲ **2**

One-year
% point change
(vs. 2020)

▼ **3**

Five-year
% point change
(vs. 2016)



TOTAL STUDENTS WHO PARTICIPATED IN A STUDY ABROAD PROGRAM

40

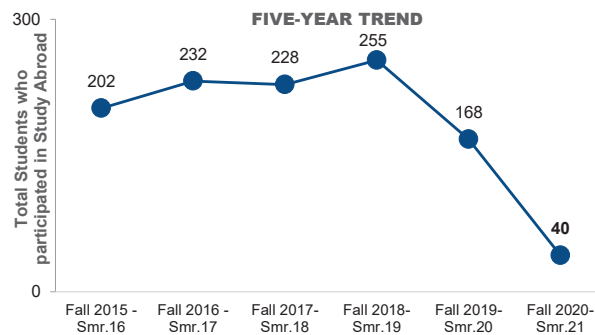
Students who participated
in Study Abroad
in Fall 2020-Smr.21

▼ **128**

One-year
nominal change
vs. Fall 2019-Smr.20

▼ **162**

Five-year
nominal change
vs Fall 2015 -Smr.16



TOTAL ONLINE COURSE REGISTRATIONS

40,637

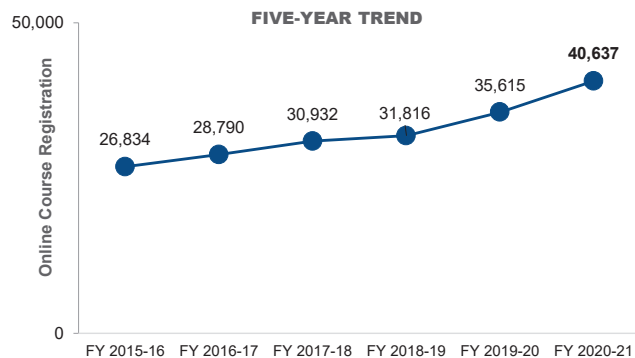
Online Course
Registrations
in FY 2020-21

▲ **14%**

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

▲ **51%**

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



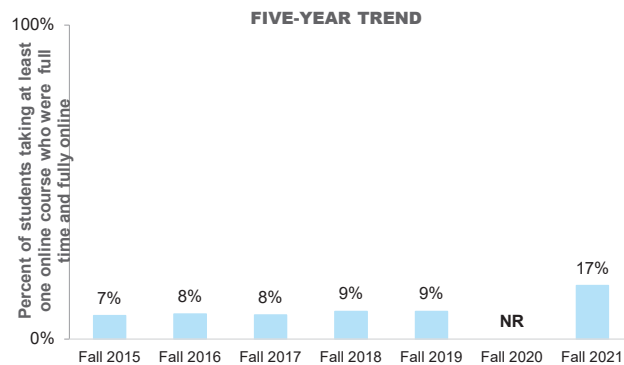
ACCESS AND AFFORDABILITY

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

NR*

Students taking at least one online course who were full time and fully online in Fall 2020

* Data not reported, as all students shifted to online learning during the pandemic



STUDENT SUCCESS AND SATISFACTION

FRESHMEN ONE-YEAR RETENTION RATE

82%

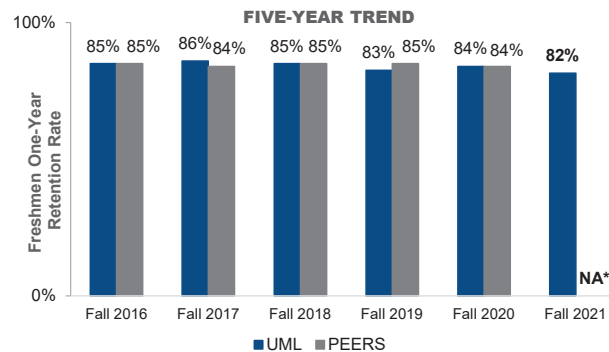
Freshmen One-Year Retention Rate in Fall 2021

▼ 2

One-year % point change (vs. Fall 2020)

▼ 3

Five-year point (vs. Fall 2016)



* Peer data for Fall 2021 not available for reporting purposes.

FRESHMEN FOUR-YEAR GRADUATION RATES

48%

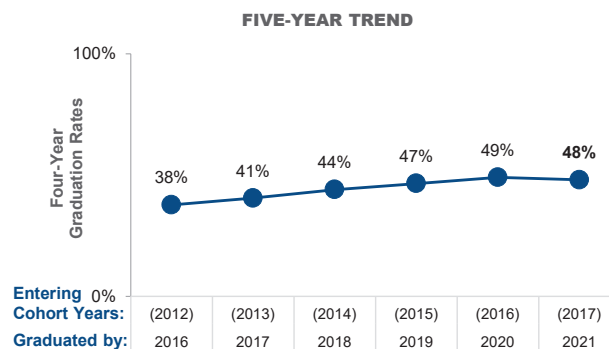
Freshmen Four-Year Graduation Rates in 2021

▼ 1

One-year % point change (vs. 2020)

▲ 10

Five-year % point change (vs. 2016)



STUDENT SUCCESS AND SATISFACTION

FRESHMEN SIX-YEAR GRADUATION RATE

69%

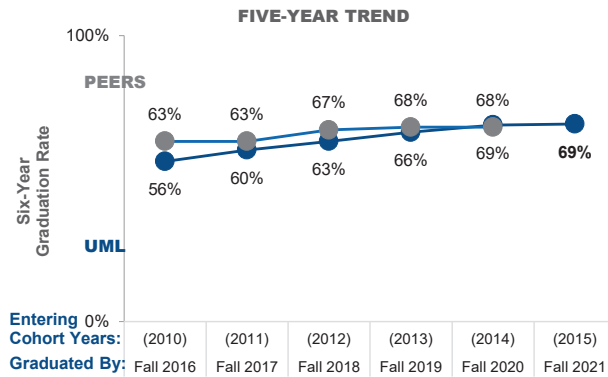
UML Freshmen Six-Year
Graduation Rates
in Fall 2021

.0

One-year
% point change
(vs. Fall 2020)

▲ 13

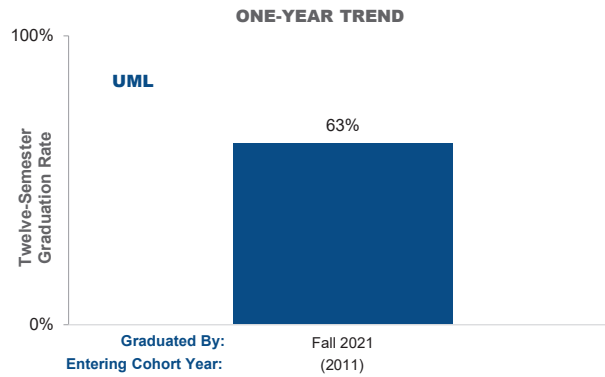
Five-year
% point change
(vs. Fall 2016)



FRESHMEN TWELVE-SEMESTER GRADUATION RATE

63%

UML Freshmen
Twelve-semester
Graduation Rates
in Fall 2021



TRANSFER (FULL-TIME) ONE-YEAR RETENTION RATE

82%

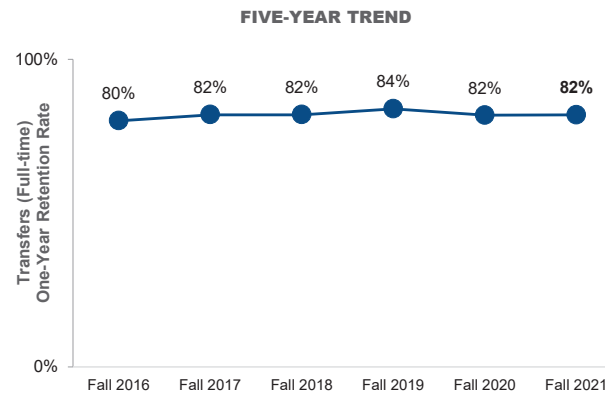
Transfers (Full-time)
One-Year
Retention Rate
in Fall 2021

.0

One-year
% point change
(vs. Fall 2020)

▲ 2

Five-year
% point change
(vs. Fall 2016)



STUDENT SUCCESS AND SATISFACTION

TRANSFER (UPPER DIVISION) FOUR-YEAR GRADUATION RATE

76%

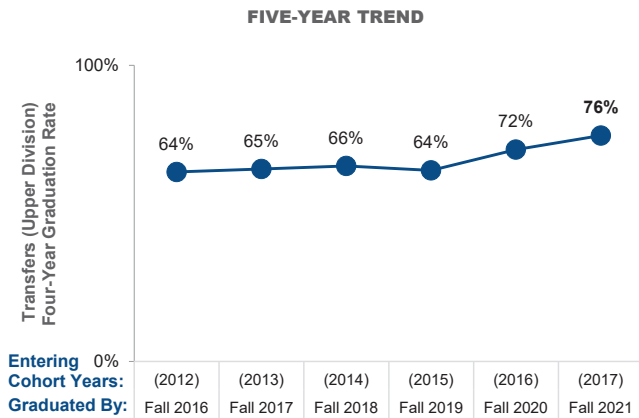
Transfers (Upper Division) Four-Year Graduation Rates in Fall 2021

▲ **4**

One-year % point change (vs. Fall 2020)

▲ **12**

Five-year % point change (vs. Fall 2016)



STUDENT ACHIEVEMENT MEASURE

Cohort starting in : 2015-16

53%

Bachelor's Degree Within 4 Yrs. from any institution

75%

Bachelor's Degree Within 5 Yrs. From any institution

79%

Bachelor's Degree Within 6 Yrs. From any institution

47%

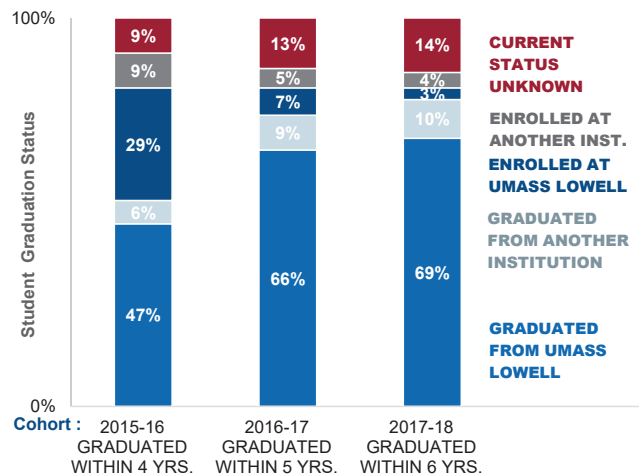
Bachelor's Degree Within 4 Yrs. from UMass Lowell

66%

Bachelor's Degree Within 5 Yrs. From UMass Lowell

69%

Bachelor's Degree Within 6 Yrs. From UMass Lowell



Source : Student Achievement Measure (SAM)

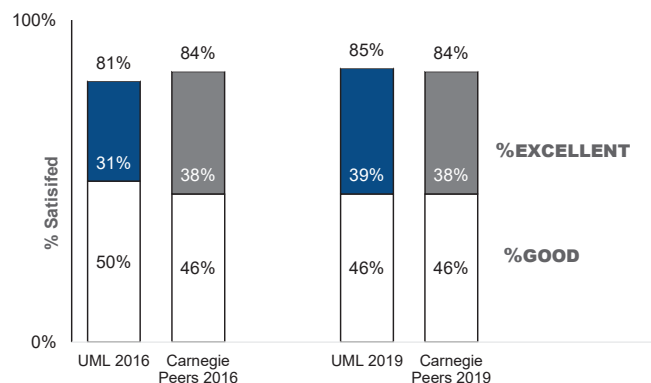
STUDENT SATISFACTION WITH EDUCATIONAL EXPERIENCE

85%

Student Satisfaction as Good or Excellent in UML 2019

▲ **4**

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



STUDENT SUCCESS AND SATISFACTION

ALUMNI PARTICIPATION RATE

5%

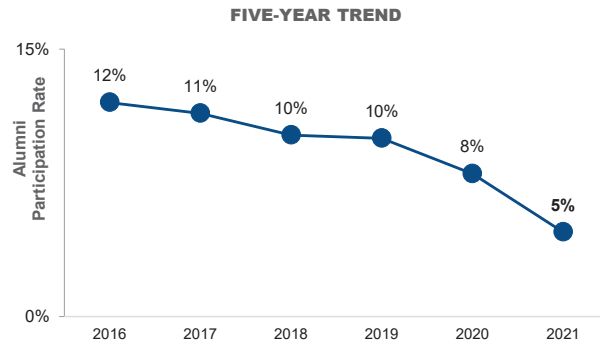
Alumni Participation
Rate
in 2021

▼ 3

One-year
% point change
(vs. 2020)

▼ 7

Five-year
% point change
(vs. 2016)



SERVICE TO THE COMMONWEALTH

DEGREE COMPLETIONS

4,448

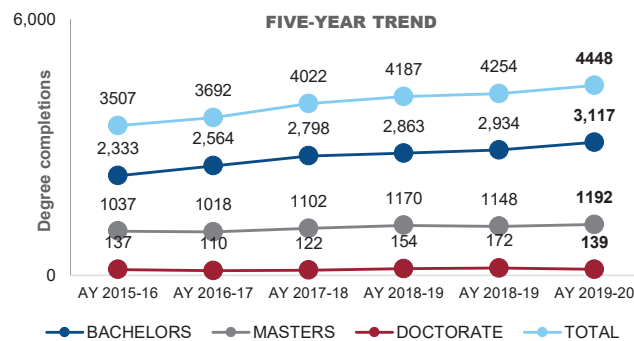
Total degree
completions
AY 2019-20

▲ 5%

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

▲ 27%

Five-year
% change
in total degree
completions
(vs. AY 2015-16)



NUMBER OF PATENT APPLICATIONS

31

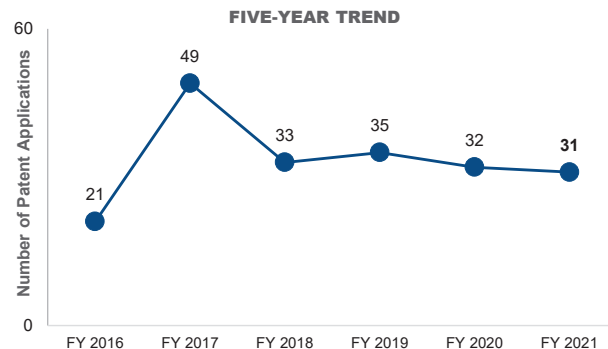
Patent
Applications
in FY 2021

▼ 1

One-year
nominal change
(vs. FY 2020)

▲ 10

Five-year
nominal change
(vs. FY 2016)



SERVICE TO THE COMMONWEALTH

TOTAL R&D EXPENDITURES

\$94.7

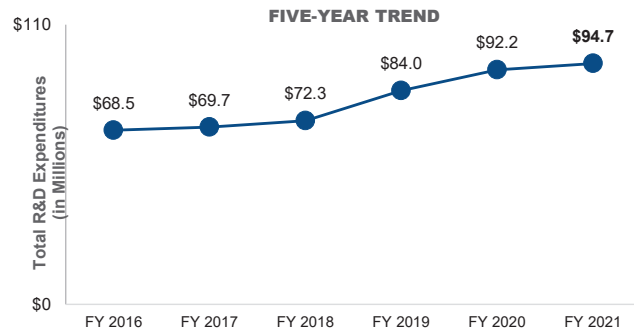
Million
in FY 2021

▲ **3%**

One-year
% change
(vs. FY 2020)

▲ **38%**

Five-year
% change
(vs. FY 2016)



TOTAL R&D EXPENDITURES RANKINGS

169

Total R&D Expenditures
Overall Rankings
in FY 2020

▼ **2**

One-year
nominal change
(vs. FY 2019)

▼ **7**

Five-year
nominal change
(vs. FY 2015)

15

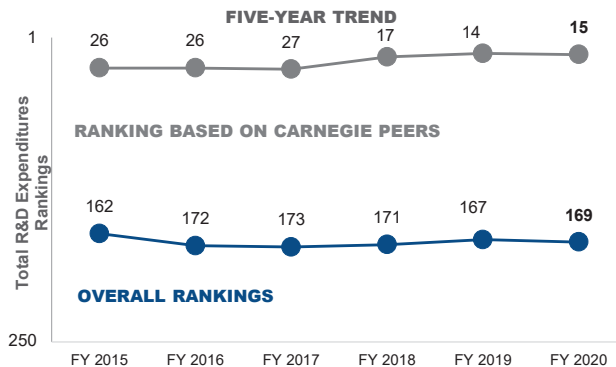
Rankings based on
Carnegie Peers
in FY 2020

▼ **1**

One-year
nominal change
(vs. FY 2019)

▼ **11**

Five-year
nominal change
(vs. FY 2015)



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

\$204k

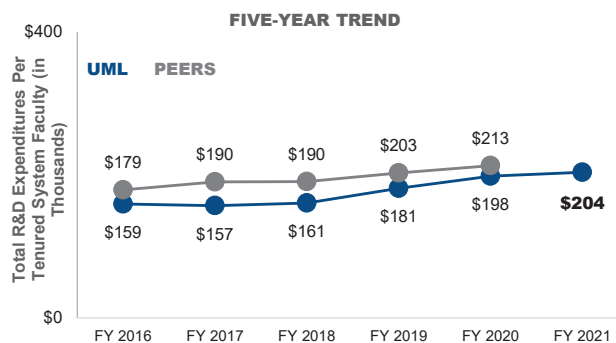
Total R&D Expenditure
Per Tenured
System Faculty
in FY 2021

▲ **3%**

One-year
% change
(vs. FY 2020)

▲ **28%**

Five-year
% change
(vs. FY 2016)



* Peer data for is currently not available.

SERVICE TO THE COMMONWEALTH

DEGREES AWARDED IN STEM FIELDS

1,350

UG degrees awarded
in STEM fields
in 2020-21

▲ **10%**

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

▲ **51%**

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

43%

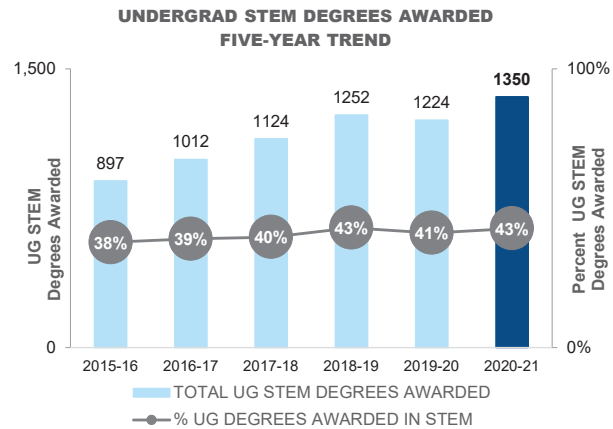
Percent of total UG
degrees awarded in
STEM fields
in 2020-21

▲ **2**

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

▲ **5**

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



518

Grad degrees awarded
in STEM fields
in 2020-21

▲ **16%**

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

▲ **4%**

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

39%

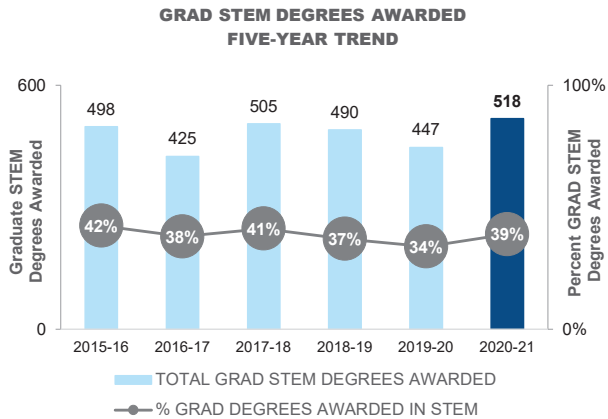
Percent of total Grad
degrees awarded in
STEM fields
in 2020-21

▲ **5**

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

▼ **4**

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



1,868

Total degrees awarded
in STEM fields
in 2020-21

▲ **12%**

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

▲ **34%**

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

42%

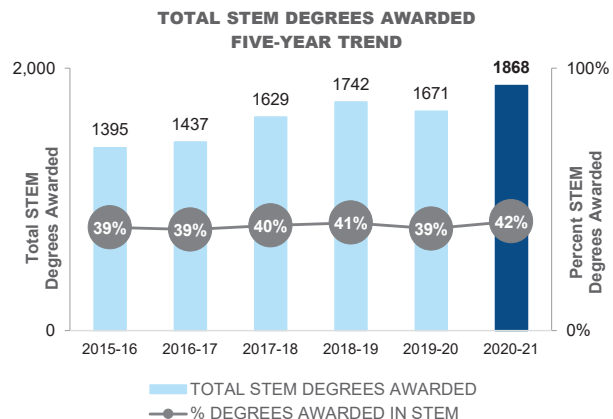
Percent of Total
degrees awarded in
STEM fields
in 2020-21

▲ **3**

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

▲ **2**

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



SERVICE TO THE COMMONWEALTH

CERTIFICATES AWARDED IN STEM FIELDS

117

Total Certificates awarded
in STEM fields
in 2020-21

▼ 12

One-year
nominal change
(vs. 2019-20)

▼ 11

Five-year
nominal change
(vs. 2015-16)

30%

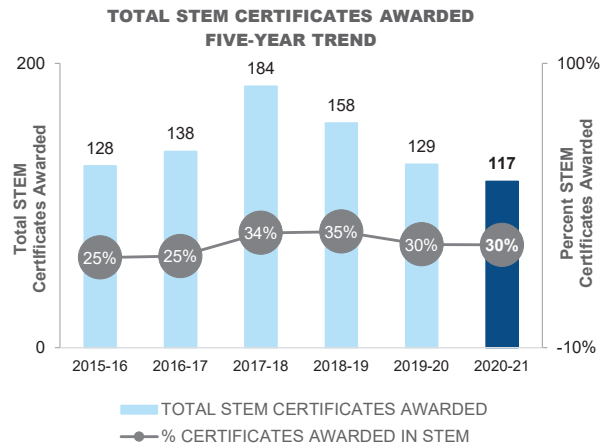
Percent of Total
Certificates awarded in
STEM fields
in 2020-21

• 0

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

▲ 5

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



DEGREES AWARDED IN HEALTHCARE FIELDS

356

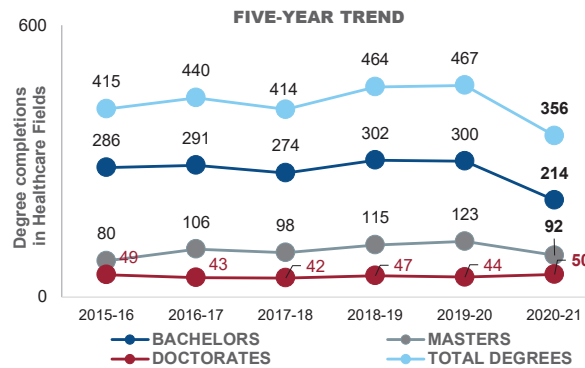
Total degrees awarded
in HealthCare fields
in 2020-21

▼ 24%

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

▼ 14%

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



CERTIFICATES AWARDED IN HEALTHCARE FIELDS

36

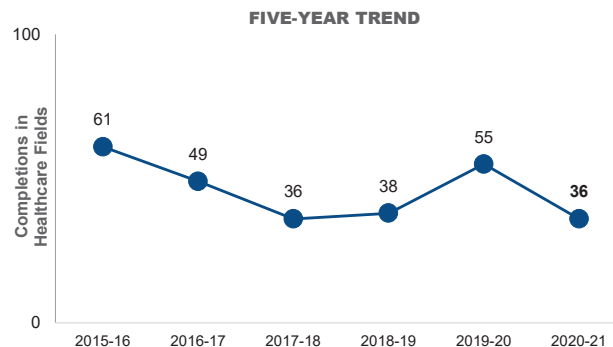
Total Certificates awarded
in HealthCare fields
in 2020-21

▼ 35%

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

▼ 41%

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



SERVICE TO THE COMMONWEALTH

LICENSE INCOME

\$444k

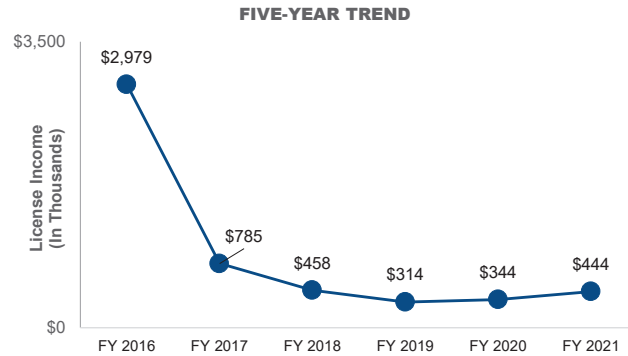
License Income
in FY 2021

▲ **29%**

One-year
% change
(vs. FY 2020)

▼ **85%**

Five-year
% change
(vs. FY 2016)



PERCENT ALUMNI WHO LIVE IN MASSACHUSETTS

59%

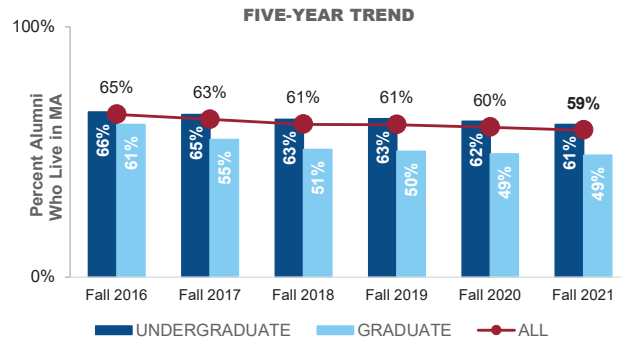
Of all UMass Alumni
live in the Commonwealth
in Fall 2021

▼ **1**

One-year
% point change
(vs. Fall 2020)

▼ **6**

Five-year
% point change
(vs. Fall 2016)



FINANCIAL HEALTH

ENDOWMENT ASSETS AND ANNUAL GROWTH IN ENDOWMENT

\$139M

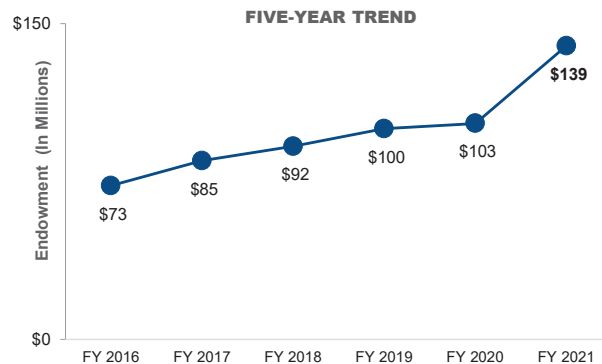
Endowment Assets
in FY 2021

▲ **36%**

One-year
% change
(vs. FY 2020)

▲ **91%**

Five-year
% change
(vs. FY 2016)



FINANCIAL HEALTH

ENDOWMENT ASSETS AND ANNUAL GROWTH IN ENDOWMENT

36%

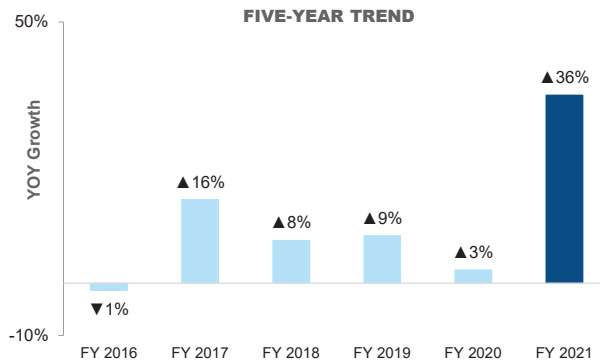
Annual Growth
in FY 2021

▲ **33**

One-year
% point change
(vs. FY 2020)

▲ **37**

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



ENDOWMENT PER ANNUALIZED STUDENT FTE

\$11.1k

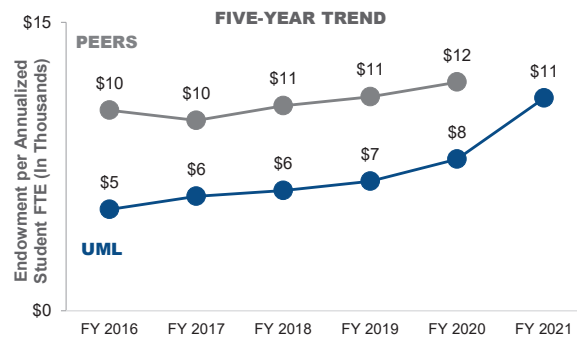
Endowment per Annualized
Student FTE
in FY 2021

▲ **40%**

One-year
% change
(vs. FY 2020)

▲ **110%**

Five-year
% change
(vs. FY 2016)



* Peer data for not available for reporting purposes.

PRIVATE FUNDS RAISED ANNUALLY

\$21.3M

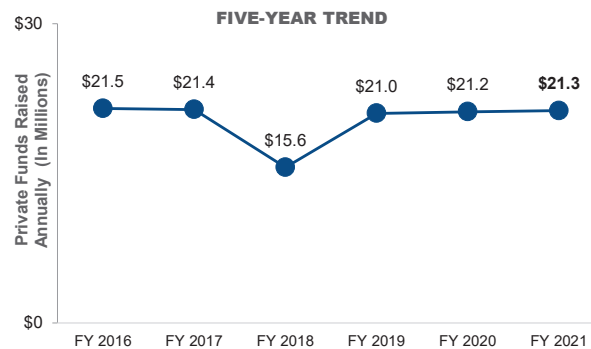
Private Funds
Raised Annually
in FY 2021

▲ **1%**

One-year
% change
(vs. FY 2020)

▼ **1%**

Five-year
% change
(vs. FY 2016)

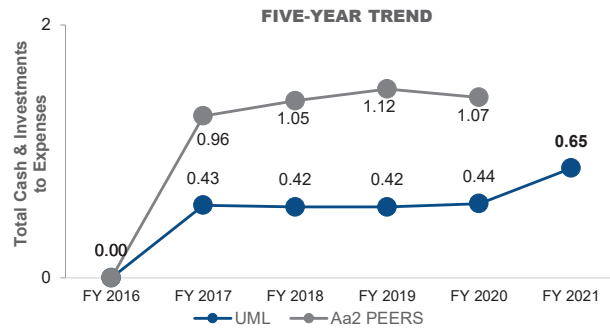


FINANCIAL HEALTH

TOTAL CASH & INVESTMENTS TO EXPENSES

0.65

Total Cash &
Investments to Expenses
in FY2021



DEBT SERVICE BURDEN

4.9%

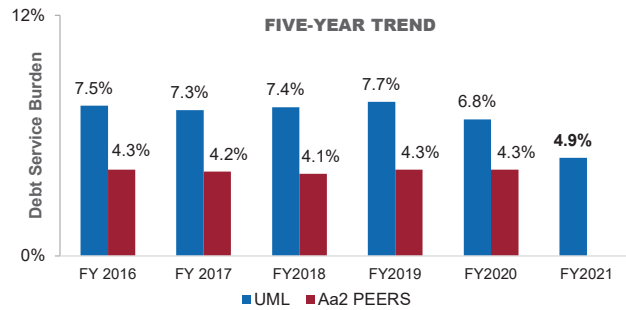
Debt Service
Burden
in FY2021

▼ **1.9**

One-year
% Point change
(vs. FY2020)

▼ **2.6**

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



OPERATING MARGIN (%)

2.9%

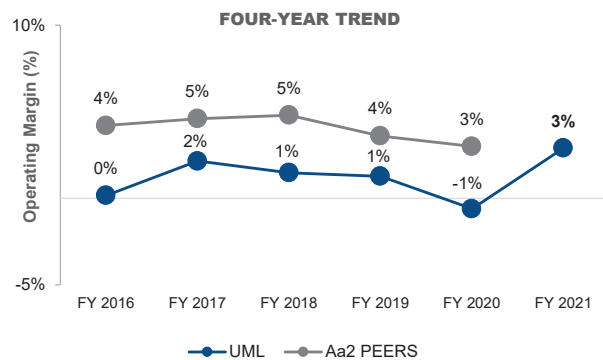
Operating Margin (%)
in FY 2021

▲ **3.5**

One-year
% Point change
(vs. FY 2020)

▲ **2.7**

Five-year
% Point change
(vs. FY 2017)



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 incoming 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.

Number of First-degree Bachelor-seeking Students Aged 25+. Number of currently enrolled first-degree bachelor-seeking students who are aged 25+ as of Sept 1 of the Fall semester. Includes undergraduate, bachelor's-seeking students who came in as freshmen or transfers; excludes second degree transfers.

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).

$$\frac{(\text{Full time Enrolled exclusively in online courses})}{(\text{Full time Enrolled in at least one, but not all, online courses} + \text{Full time Enrolled exclusively in online courses} + \text{part-time Enrolled in at least one, but not all, online courses} + \text{part-time Enrolled exclusively in online courses})}$$

DEFINITIONS AND SOURCES

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.

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.

Freshmen Twelve-semester Graduation

Rate. Percent of first-time, full-time, degree-seeking freshmen who entered UMass in a given Fall term and graduated from the institution within twelve active semesters (Fall and Spring semesters) within 10 years of their initial attendance. 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.

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

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 Lowell’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.

DEFINITIONS AND SOURCES

SERVICE TO THE COMMONWEALTH INDICATORS

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.

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.

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.

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 Lowell 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.

Total Cash & Investments to Expenses.

Indicates the university's financial flexibility and resilience, and its ability to generate investment income. (Cash & Investments – debt service reserve funds) / Total expenses

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)

DEFINITIONS AND SOURCES

PEER INSTITUTIONS FOR UMASS LOWELL

Georgia State University	University of Rhode Island*
San Diego State University	University of Wisconsin – Milwaukee
University of Maine (Orono)	Virginia Commonwealth University
University of Maryland -- Baltimore County	* <i>Aspirant peer</i>
University of New Hampshire*	

Moody's Aa2 Peers

Alamo Community College District, TX	University of Alabama at Birmingham, AL
Arizona State University, AZ	University of Alabama, AL
Auburn University, AL	University of Arizona, AZ
Board of Regents of The University System of Georgia, GA	University of Arkansas, AR
California State University, CA	University of California, CA
City University of New York, NY	University of Florida, FL
Clemson University, SC	University of Georgia, GA
Cuyahoga Community College District, OH	University of Hawaii, HI
Florida State University, FL	University of Houston System, TX
Houston Community College System, TX	University of Kansas, KS
Iowa State University of Science & Technology, IA	University of Kentucky, KY
Michigan State University, MI	University of Massachusetts, MA
Mississippi Institutions of Higher Learning, MS	University of North Texas System,
Nevada System of Higher Education, NV	TX University of Oregon, OR
State University of New York, NY	University of South Carolina, SC
State University System of Florida, FL	University of Wyoming, WY
Texas State University System, TX	

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



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 – is moving forward in the post-COVID-19 environment in all its mission areas.

While the COVID-19 pandemic had significant impact on the campus operational, educational, and research environment, UMass Chan Medical School has continued to achieve in research, academic, and fundraising initiatives, including significant increases in research support and the design and implementation of a new curriculum for the T.H. Chan School of Medicine.

The Morningside Foundation commitment will impact a number of initiatives already contemplated in the campus strategic plan, especially investments in the educational program, the research enterprise, workforce development, information technology, and organizational development. In early 2022, the campus reviewed and revised the strategic plan to incorporate new opportunities in these areas and to explicitly create a new strategic ‘pillar’ for diversity initiatives, emphasizing the importance of equity and inclusion in the achievement of the campus vision.

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.
- Create inclusive, equitable environments across the campus so that UMass Chan can better attract, support and advance diverse staff, faculty and learners.

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 an accelerated approach to developing tools for digital medicine, have grown extramurally funded research to more than \$400 million and make the institution a magnet for high-achieving faculty. A new education and research building under construction on the Worcester campus will support more than 75 research labs and programs in human genetics and evolutionary biology, neurotherapeutics, gene therapy and molecular medicine. A new outpatient facility for the care of veterans opened on the campus in 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.

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

HEADLINES

diplomas. In early 2022, the campus hosted an accreditation visit from the New England Commission of Higher Education. In September 2022, UMass Chan was notified that the New England Commission of Higher Education granted continued, full accreditation for a period of 10 years through 2032.

Licensing of the medical school's intellectual property reflects keen national and international interest in the work of the faculty, including ongoing 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 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 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 Masters of Science in Nursing, 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 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. Faculty recruitment is also aided by the stellar reputation of the graduate school of biomedical sciences. A new Translational Institute for Molecular Therapeutics is the first of its kind. Licensing and sponsored research agreements in gene therapy, vaccine development, RNA biology, and drug development support research activity across all basic science disciplines. Faculty recruitment is aided by the reputation of our graduate school of biomedical sciences.

- **Crucial to the continued success of UMass Chan** 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 2023 *US News* ranking places the T.H. Chan School of Medicine 10th in the nation for primary care; and 47th among research institutions. UMass Chan Medical School also ranked 38th 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

HEADLINES

match results, are good supporting indicators of quality. Morningside Graduate School of Biomedical Sciences students are highly competitive for fellowship awards. Job placement data exceeds national rates.

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 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	513.5	• Full-Time Instructional Faculty	
• USMLE Step 1 Pass Rate	99%	Percent Faculty-of-Color	31%
• <i>USMLE Step 2 (CK) Pass Rate</i>	100%	Percent Women Faculty	44%
• USMLE Step 2 (CS) Pass Rate	N/A*	• Faculty Awards	9
• Nursing Board Certification Pass Rate	87%	• NIH Funding among Medical Schools	\$170,455
• Technology-Enhanced Classrooms	83	• US News & World Report Ranking	10
• Percent Tenured/Tenure-Track Faculty FTE	18%		
• Faculty FTE	1,174		

ACCESS AND AFFORDABILITY

• Graduates From Massachusetts	842	• Graduates Who Are International	119
• Graduate Students Of Color	401	• Tuition and Fees	\$39,250

STUDENT SUCCESS AND SATISFACTION

• Residency Choice Acceptance Rate	96%	• Alumni Participation Rate	17%
• Student Satisfaction with Medical Education Quality	95%ile		

SERVICE TO THE COMMONWEALTH

• Degree Completions	320	• Patent Applications	92
<i>Master's</i>	59	• License Income	\$37M
<i>Doctorates</i>	261	• Percent Alumni who Remain in MA	58%
• Total R&D Expenditures	\$347M	• Degrees Awarded in STEM Fields	55
• Total R&D Expenditures Ranking	90	• Degrees Awarded in Healthcare Fields	265

AT-A-GLANCE

FINANCIAL HEALTH

• Total Endowment	\$490.1M	• Debt Service Burden	2.1%
• Annual Growth in Endowment	41.5%	• Operating Margin (%)	2.8%
• Endowment per Annualized Student FTE (Includes three graduate schools)	\$397,431	• Total Cash & Investments to Expenses	0.76
• Private Funds Raised Annually	\$41.1M		

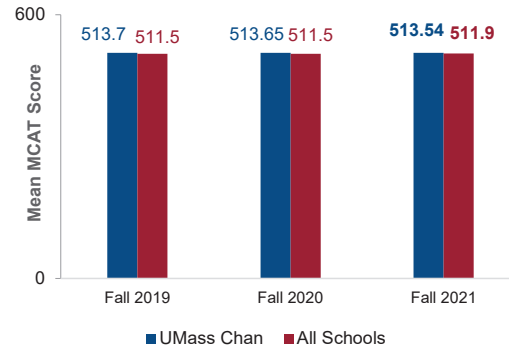
ACADEMIC QUALITY

MEAN MCAT SCORE

514Average Score
for MCATs
in Fall 2021**0.0%**One-year
% change
(vs. Fall 2020)**0.0%**Two-year
% change
(vs. Fall 2019)

Peer Source: AAMC Medical Schools.

TWO-YEAR TREND

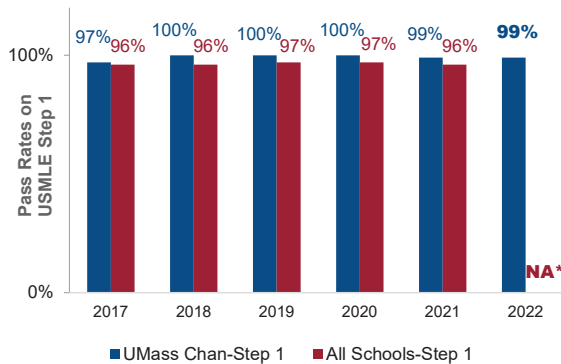


PASS RATES ON USMLE STEP 1 AND STEP 2 (CK)

99%Pass Rate for
USMLE Step 1
in 2022**0**One-year
% Point change
(vs. 2022)**2**Five-year
% Point change
(vs. 2018)

2022 All Med. Schools data is not available

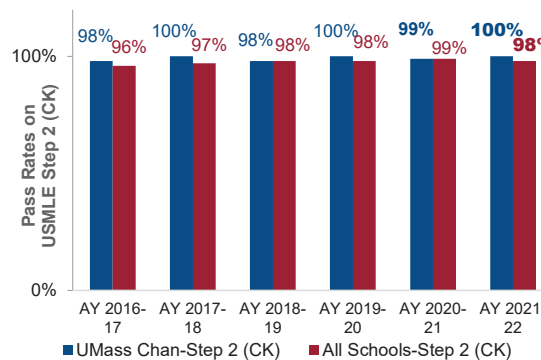
FIVE-YEAR TREND



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

100%Pass Rate for
USMLE Step 2 (CK)
in AY 2021-22**1**One-year
% Point change
(vs. AY 2020-21)**2**Five-year
% Point change
(vs. AY 2016-17)

FIVE-YEAR TREND



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

ACADEMIC QUALITY

PASS RATES ON USMLE STEP 2 (CS)

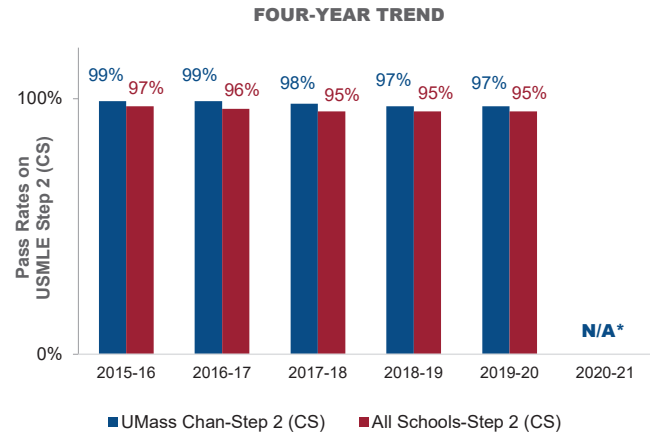
N/A*

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

Peer Comparison - All U.S. and Canadian Medical Schools,

Data by Academic Year.

*Step 2 (CS) has been eliminated beginning AY 2020-21.



PASS RATES ON NURSING BOARD CERTIFICATION

87%

Pass Rate for
Nursing Board Cert.
in 2021

0%

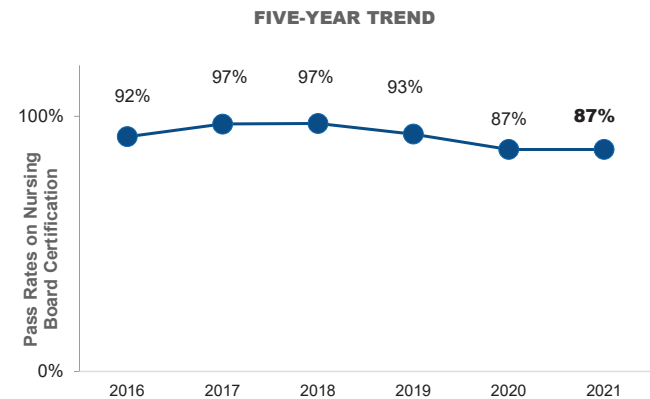
One-year
% change
(vs. 2020)

5%

Five-year
% change
(vs. 2016)

Peer Comparison - All U.S. and Canadian Medical Schools,

Data by Calendar Year.



TECHNOLOGY-ENHANCED CLASSROOMS

83

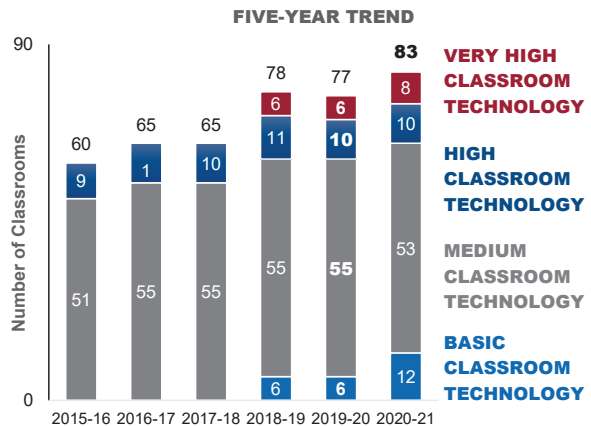
Total Technology
Enhanced Classrooms
in 2020-21

8%

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

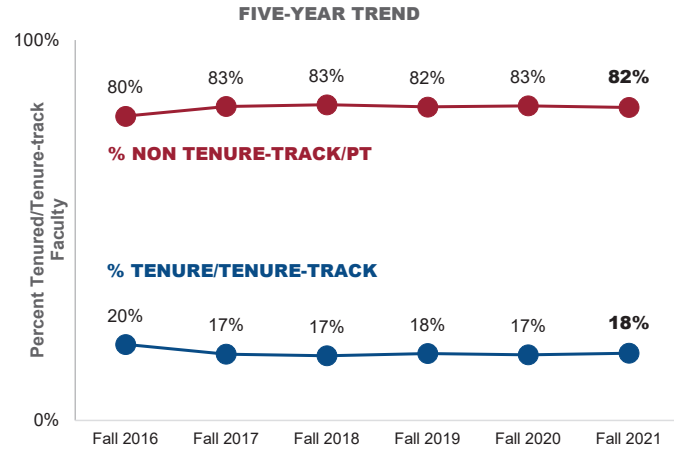
28%

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

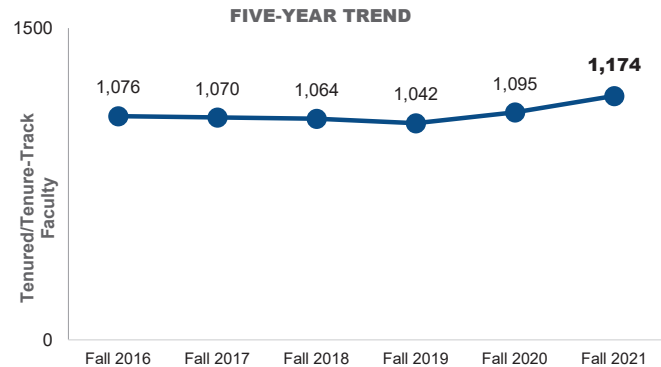


ACADEMIC QUALITY

PERCENT TENURED/TENURE-TRACK FACULTY FTE

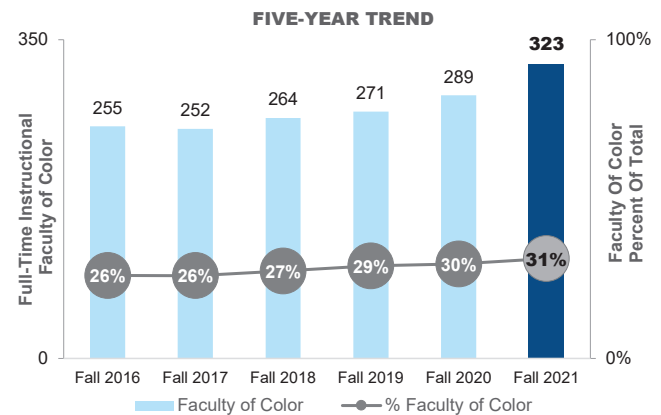
18%Percent Tenured/
Tenure-track Faculty
in Fall 2021▲ **1**One-year
% Point change
(vs. Fall 2020)▼ **2**Five-year
% Point change
(vs. Fall 2016)

FACULTY FTE

1,174Total Tenured/
Tenure-track Faculty
in Fall 2021▲ **7%**One-year
% change
(vs. Fall 2020)▲ **9%**Five-year
% change
(vs. Fall 2016)

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

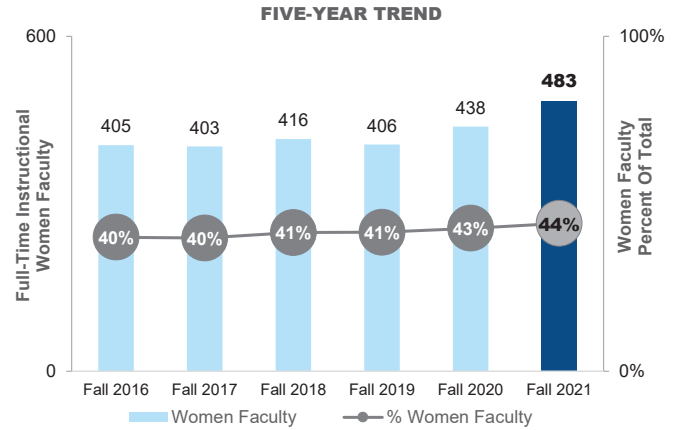
FACULTY-OF-COLOR

323Faculty Of Color
in Fall 2021▲ **34**One-year
nominal change
(vs. Fall 2020)▲ **68**Five-year
nominal change
(vs. Fall 2016)**31%**Percent of
Faculty Of Color
in Fall 2021▲ **1**One-year
% point
(vs. Fall 2020)▲ **5**Five-year
% point
(vs. Fall 2016)

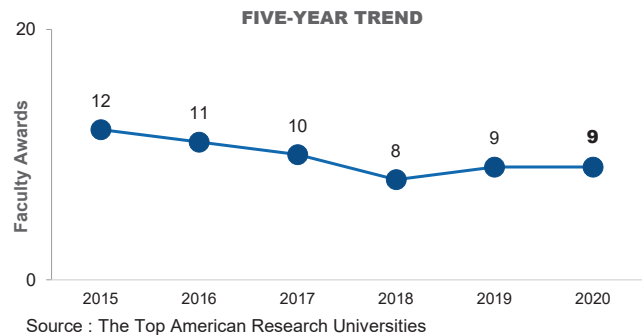
Faculty of Color based on 2010 IPEDS definitions Race/Ethnicity.
Does not include Unknowns and Non Resident Aliens.

ACADEMIC QUALITY

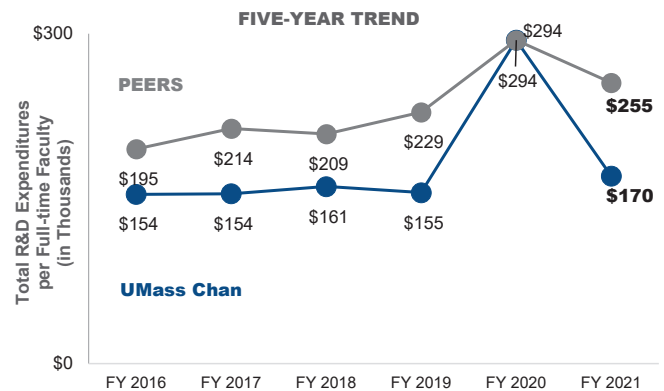
WOMEN FACULTY

483Women Faculty
in Fall 2021▲ **45**One-year
nominal change
(vs. Fall 2020)▲ **78**Five-year
nominal change
(vs. Fall 2016)**44%**Percent of
Women Faculty
in Fall 2021▲ **1**One-year
% point
(vs. Fall 2020)▲ **4**Five-year
% point
(vs. Fall 2016)

FACULTY AWARDS

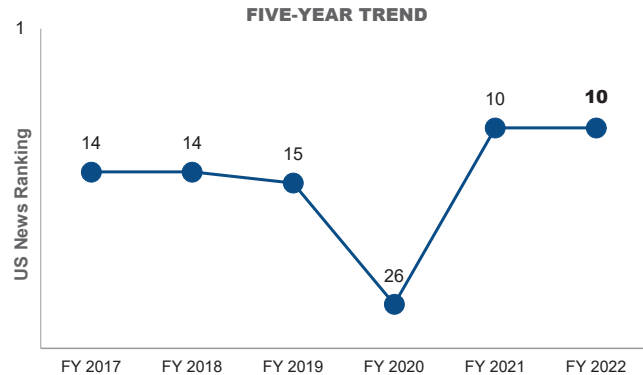
9Faculty Awards
in 2020● **0**One-year
nominal change
(vs. 2019)▼ **3**Five-year
nominal change
(vs. 2015)

NIH FUNDING AMONG MEDICAL SCHOOLS

\$170kNIH Finding
among Medical Schools
in FY 2021▼ **42%**One-year
% change
(vs. FY 2020)▲ **11%**Five-year
% change
(vs. FY 2016)

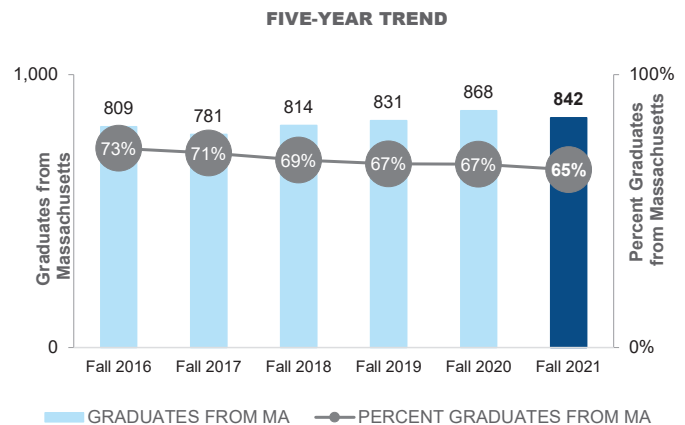
ACADEMIC QUALITY

US NEWS RANKING

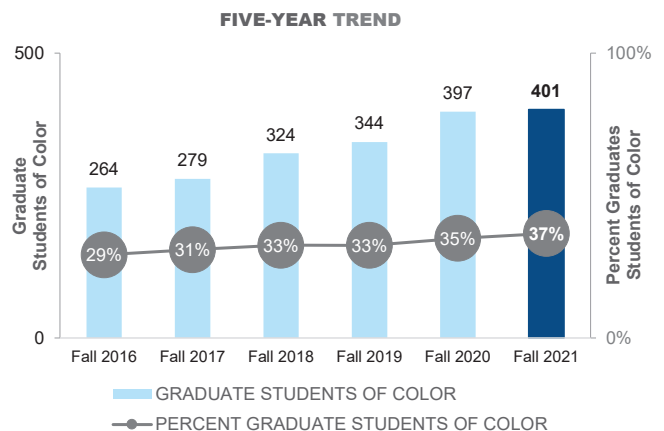
10Medical Schools
Ranking
in FY 2022**0**One-year
nominal change
(vs. FY 2021)**4**Five-year
nominal change
(vs. FY 2017)

ACCESS AND AFFORDABILITY

GRADUATES FROM MASSACHUSETTS

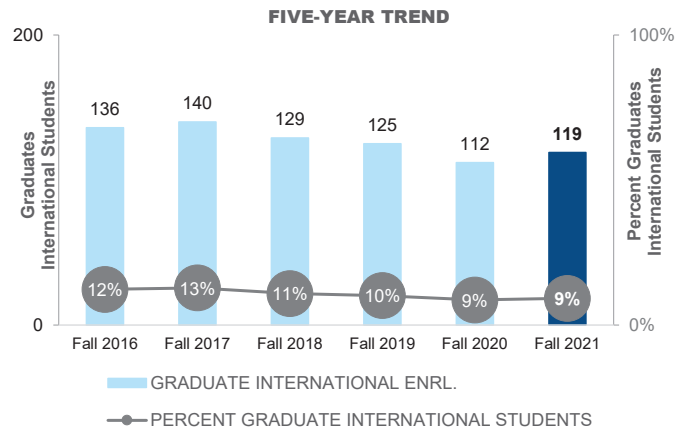
842Graduates from
Massachusetts
in Fall 2021**3%**One-year
% change
(vs. Fall 2020)**4%**Five-year
% change
(vs. Fall 2016)**65%**% Graduates
from Massachusetts
in Fall 2021**2**One-year
% point change
(vs. Fall 2020)**8**Five-year
% point change
(vs. Fall 2016)

GRADUATE STUDENTS OF COLOR

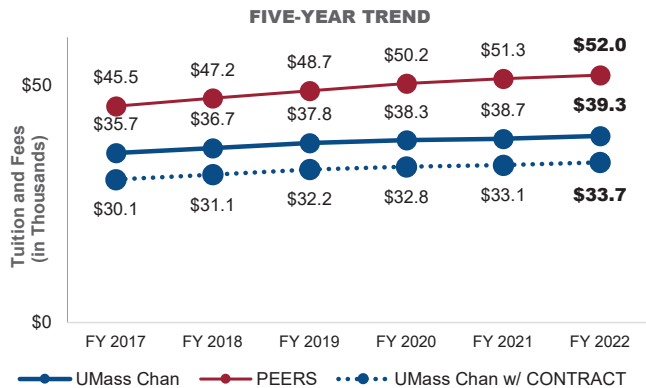
401Graduates
Students of Color
in Fall 2021**1%**One-year
% change
(vs. Fall 2020)**52%**Five-year
% change
(vs. Fall 2016)**37%**% Graduates
Students of Color
in Fall 2021**2**One-year
% point change
(vs. Fall 2020)**8**Five-year
% point change
(vs. Fall 2016)

ACCESS AND AFFORDABILITY

GRADUATES WHO ARE INTERNATIONAL

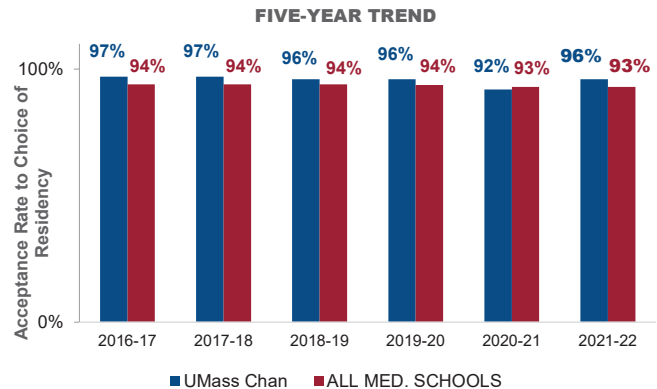
119International Graduate
Enrollment
in Fall 2021▲ **6%**One-year
% change
(vs. Fall 2020)▼ **13%**Five-year
% change
(vs. Fall 2016)**9%**% International
Graduate Enrollment
in Fall 2021▲ **1**One-year
% point change
(vs. Fall 2020)▼ **3**Five-year
% point change
(vs. Fall 2016)

TUITION AND FEES (INCLUDES ADJUSTMENT FOR LEARNING CONTRACT)

\$39.3kTuition &
Mandatory Fees
in FY 2022▲ **2%**One-year
% change in
Tuition &
Mandatory Fees
(vs. FY 2021)▲ **10%**Five-year
% change
Tuition &
Mandatory Fees
(vs. FY 2017)

STUDENT SUCCESS AND SATISFACTION

ACCEPTANCE RATE TO CHOICE OF RESIDENCY

96%Residency Choice
Acceptance Rate
in 2021-22▲ **4**One-year
% point change
(vs. 2020-21)▼ **1**Five-year
% point change
(vs. 2016-17)

% Matched based on those going through NRMP match

STUDENT SUCCESS AND SATISFACTION

STUDENT SATISFACTION WITH QUALITY OF MEDICAL EDUCATION

95%ile

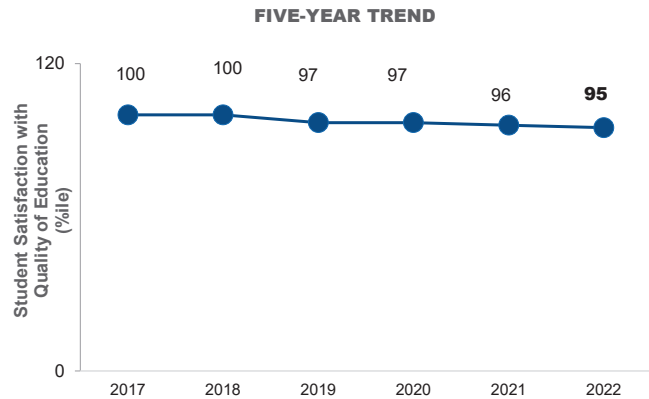
Student Satisfaction
with Education Quality
in 2022

▼ **1**

One-year
% Point change
(vs. 2021)

▼ **5**

Five-year
% Point change
(vs. 2017)



Source: AAMC MMT Report, Percentile reported annually

ALUMNI PARTICIPATION RATE

17%

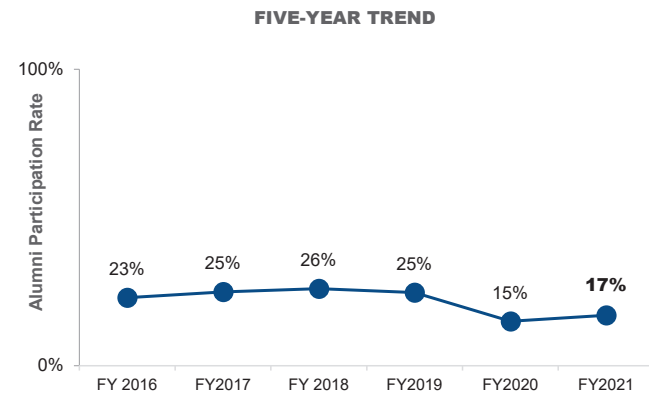
Alumni Participation
Rate
in FY2021

▲ **2**

One-year
% point change
(vs. FY2020)

▼ **6**

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



SERVICE TO THE COMMONWEALTH

DEGREE COMPLETIONS

320

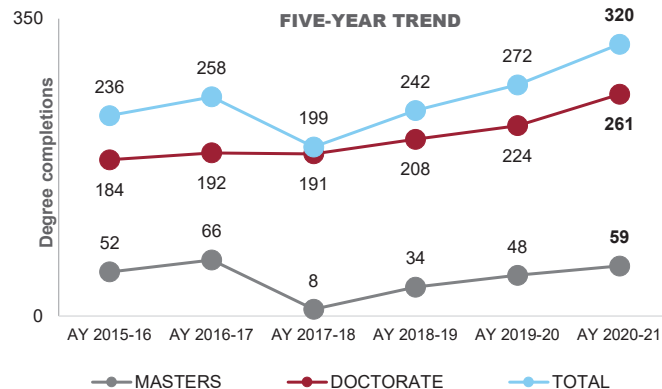
Total degree
completions
AY 2020-21

▲ **18%**

One-year
% change
in total degree
completions
(vs. AY 2019-20)

▲ **36%**

Five-year
% change
in total degree
completions
(vs. AY 2015-16)



SERVICE TO THE COMMONWEALTH

TOTAL R&D EXPENDITURES

\$347

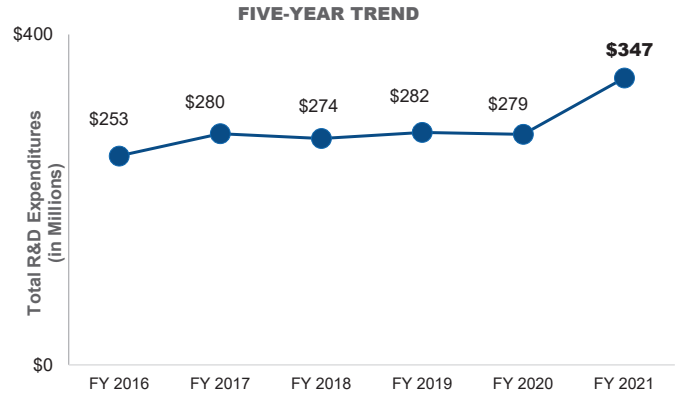
Million in
R&D Expenditures
in FY 2021

▲ **24%**

One-year
% change
(vs. FY 2020)

▲ **37%**

Five-year
% change
(vs. FY 2016)



TOTAL R&D EXPENDITURES RANKINGS

90

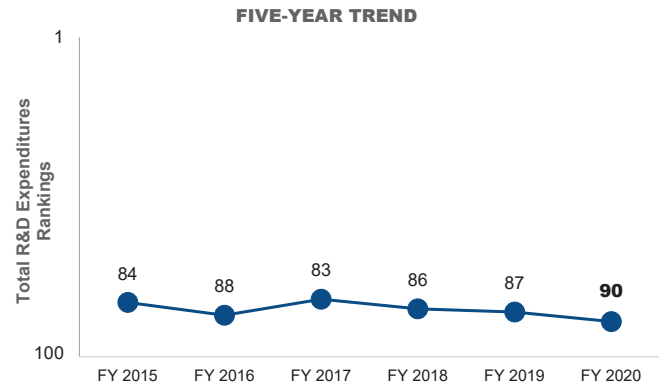
Total R&D Expenditure
Ranking
in FY 2020

▼ **3**

One-year
nominal change
(vs. FY 2019)

▼ **6**

Five-year
nominal change
(vs. FY 2015)



PATENT APPLICATIONS

92

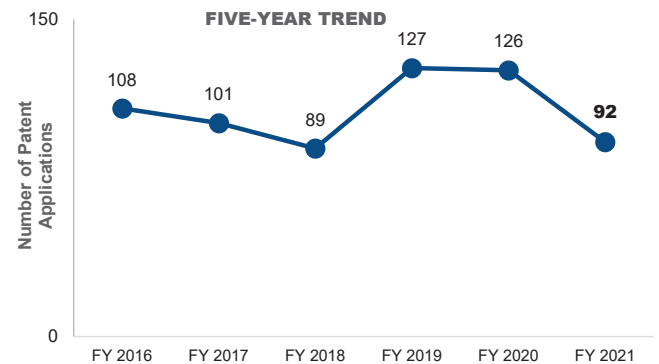
Patent
Applications
in FY 2021

▼ **34**

One-year
nominal change
(vs. FY 2020)

▼ **16**

Five-year
nominal change
(vs. FY 2016)



SERVICE TO THE COMMONWEALTH

LICENSE INCOME

\$37M

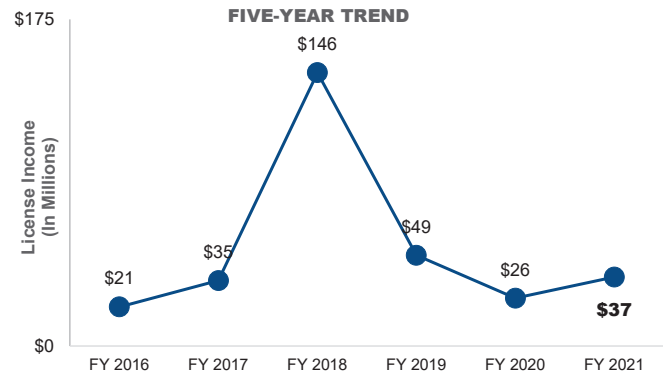
License Income
in FY 2021

▲ 44%

One-year
% change
(vs. FY 2020)

▲ 76%

Five-year
% change
(vs. FY 2016)



PERCENT ALUMNI WHO LIVE IN MASSACHUSETTS

58%

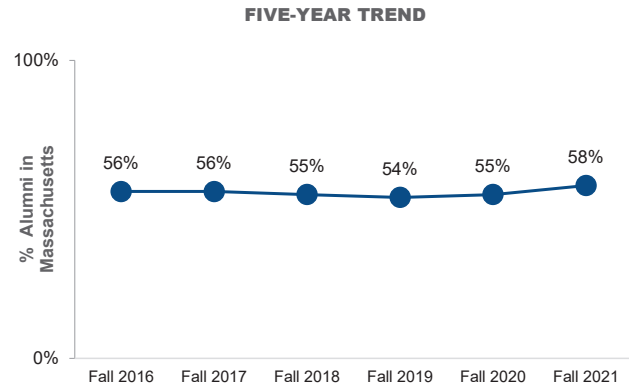
Alumni Who Live
in Massachusetts
in Fall 2021

▲ 3

One-year
% point change
(vs. Fall 2020)

▲ 2

Five-year
% point change
(vs. Fall 2016)



Beginning in Fall 2020, this will be calculated using data from the Fall Data Template, Table 18

DEGREES AWARDED IN STEM FIELDS

55

STEM Degrees
Awarded in
in 2020-21

▲ 6%

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

▼ 7%

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

17%

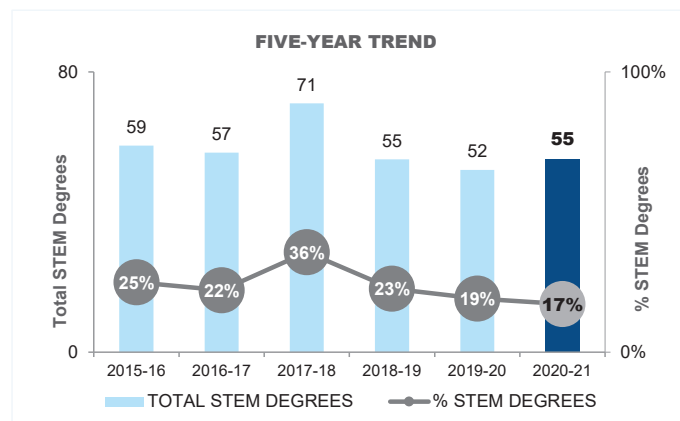
Percent of
degrees in
STEM fields
in 2020-21

▼ 2

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

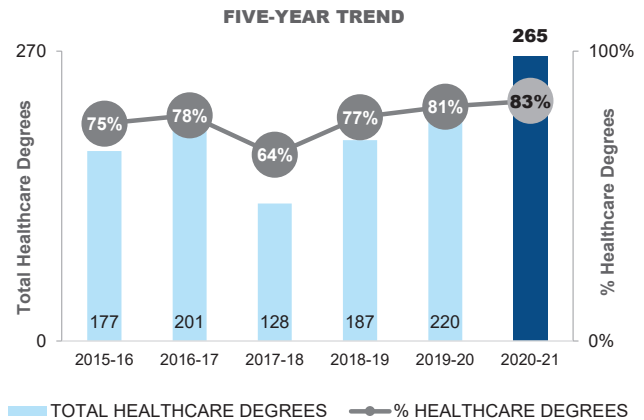
▼ 8

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



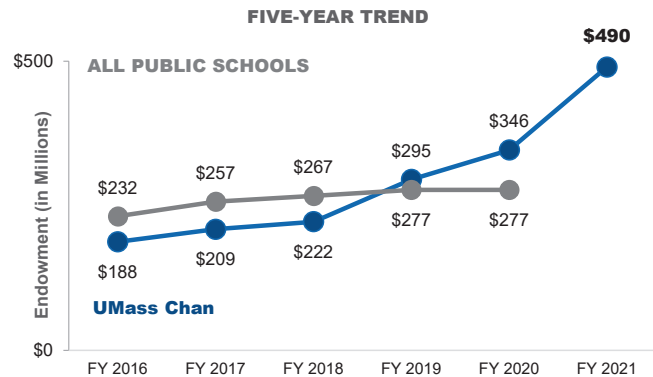
SERVICE TO THE COMMONWEALTH

DEGREES IN HEALTHCARE PROGRAMS

265Healthcare Degrees
Awarded in
in 2020-21**▲ 20%**One-year
% change
(vs. 2019-20)**▲ 50%**Five-year
% change
(vs. 2015-16)**83%**Percent of
degrees in
Healthcare fields
in 2020-21**▲ 2**One-year
% point change
(vs. 2019-20)**▲ 8**Five-year
% point change
(vs. 2015-16)

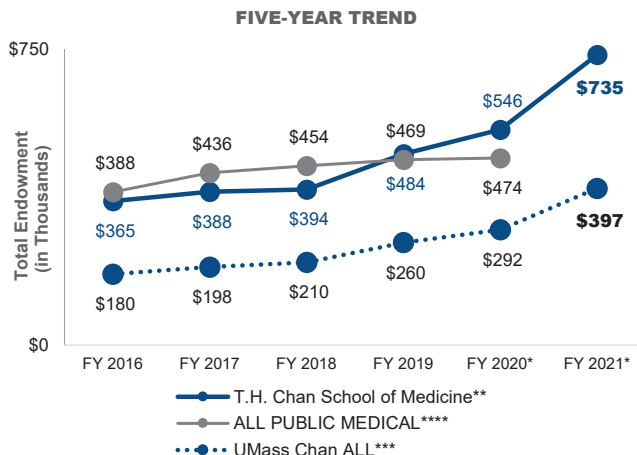
FINANCIAL HEALTH

ENDOWMENT ASSETS

\$490MEndowment Assets
in FY 2021**▲ 42%**One-year
% change
(vs. FY 2020)**▲ 161%**Five-year
% change
(vs. FY 2016)

FY 2021 All Public Schools* data are not available

ENDOWMENT PER ANNUALIZED STUDENT FTE

\$397kEndowment per FTE
All Schools
in FY 2021***▲ 36%**One-year
% change in
Endowment per FTE
All Schools
(vs. FY 2020*)**▲ 121%**Five-year
% change
Endowment per FTE
All Schools
(vs. FY 2016)

FY 2021*All Public Schools**** are currently not available

** Total endowment per UMass Chan annualized student FTE -
T.H. Chan School of Medicine 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*

41.1

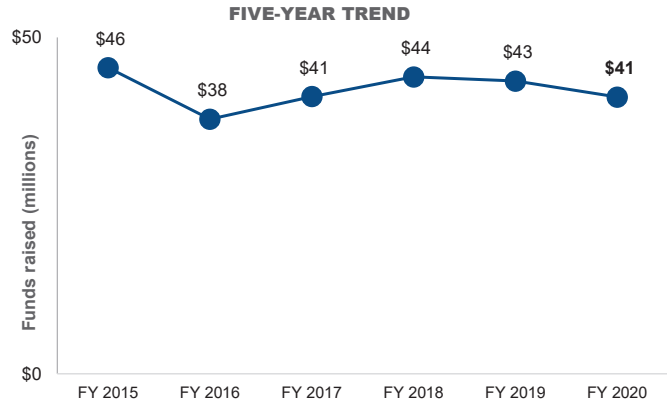
Million
in FY 2020

▼ **5%**

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

▼ **10%**

Five-year
% change
(vs. FY 2015)

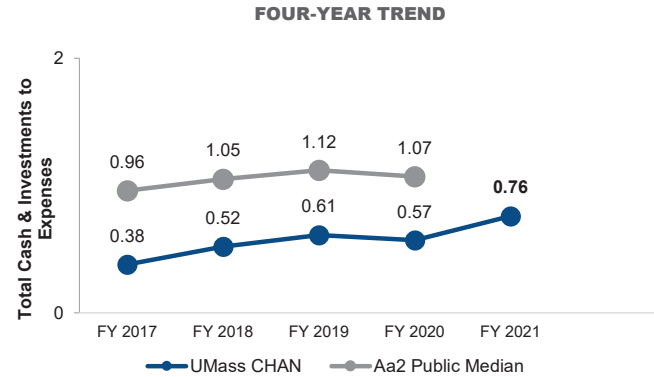


* Includes cash, pledges and grants

TOTAL CASH & INVESTMENTS TO EXPENSES

0.76

Total Cash &
Investments to
Expenses
in FY 2021



DEBT SERVICE BURDEN

2.1%

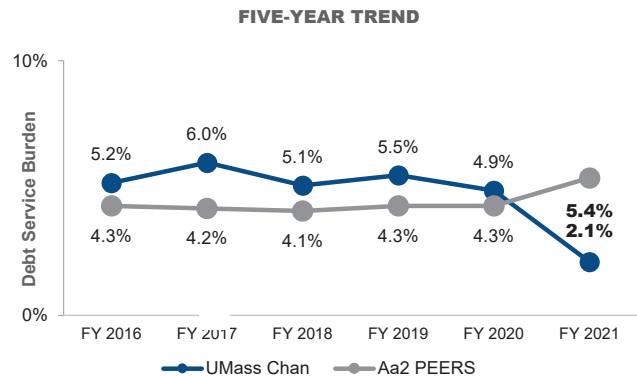
Debt Service
Burden
in FY 2021

▼ **2.8**

One-year
Point change
(vs. FY 2020)

▼ **3.1**

Five-year
Point change
(vs. FY 2016)



FINANCIAL HEALTH

OPERATING MARGIN (%)

2.8%

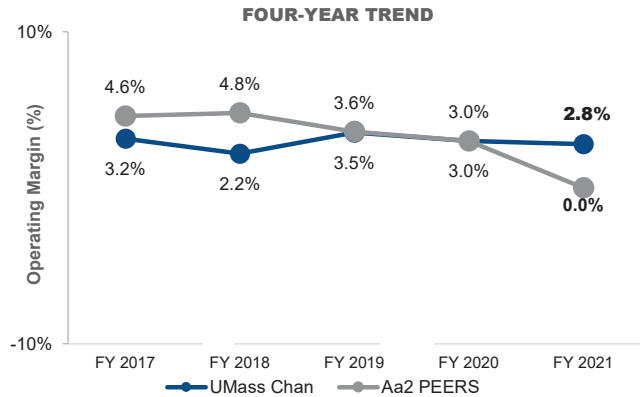
Operating Margin (%)
in FY 2021

▼ 0.2

One-year
Point change
(vs. FY 2020)

▼ 0.4

Five-year
Point change
(vs. FY 2017)



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. 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. UMass Chan 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.

satisfied" with the quality of their medical education. UMass Chan percentile compares to national peer data from AAMC MMT Annual Report.

Student Satisfaction With Quality of

Medical Education. The percentile of graduating medical students indicating "very

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.

Percent Alumni Who Live in Massachusetts. The percentage of UMass Chan alumni who live in Massachusetts.

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.

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.

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.

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.

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.

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

Total Cash & Investments to Expenses. Indicates the university's financial flexibility and resilience, and its ability to generate investment income. (Cash & Investments – debt service reserve funds) / 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

UMASS CHAN MEDICAL SCHOOL 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

CLERY ACT CRIME STATISTICS

ENROLLMENTS/NUMBER OF RESIDENTS	Fall 2020		Fall 2019		Fall 2018		Fall 2017	
	Total Enrollment	# Living on Campus	Total Enrollment	# Living on Campus	Total Enrollment	# Living on Campus	Total Enrollment	# Living on Campus
UNDERGRADUATE STUDENTS	24,233	1,161	24,209	14,107	23,515	13,551	23,388	13,181
GRADUATE STUDENTS	7,409	6	7,141	95	7,078	92	6,952	96

Calendar Year

OFFENSE	2020	2019	2018	2017
MURDER / NON-NEGLIGENT MANSLAUGHTER	0	0	0	0
NEGLIGENT MANSLAUGHTER	0	0	0	0
RAPE	3	23	23	18
FONDLING	4	11	9	3
INCEST	0	0	0	0
STATUTORY RAPE	0	0	0	0
ROBBERY	0	2	3	0
AGGRAVATED ASSAULT	1	2	4	5
BURGLARY	6	8	12	14
MOTOR VEHICLE THEFT	0	0	2	4
ARSON	0	3	2	1
DOMESTIC VIOLENCE***	5	4	9	8
DATING VIOLENCE***	0	0	0	0
STALKING***	1	3	1	2
HATE CRIMES <i>Any of the aforementioned offenses, and other crime involving bodily injury, that manifest evidence of prejudice based on race, religion, sexual orientation, gender, disability or ethnicity are also reported as hate crimes.</i>	1	1	4	2
LIQUOR LAW ARRESTS**	31	180	137	143
LIQUOR LAW VIOLATIONS REFERRED FOR DISCIPLINARY ACTION	57	208	211	196
DRUG LAW ARRESTS**	4	7	4	11
DRUG LAW VIOLATIONS REFERRED FOR DISCIPLINARY ACTION	0	1	1	6
ILLEGAL WEAPONS POSSESSION ARRESTS	1	5	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.

*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.

CLERY ACT CRIME STATISTICS

ENROLLMENTS/NUMBER OF RESIDENTS	Fall 2020		Fall 2019		Fall 2018		Fall 2017	
	Total Enrollment	# Living on Campus	Total Enrollment	# Living on Campus	Total Enrollment	# Living on Campus	Total Enrollment	# Living on Campus
UNDERGRADUATE STUDENTS	12,871	292	12,595	1,078	12,714	1,067	12,660	0
GRADUATE STUDENTS	3,388	N/A	3,394	N/A	3,450	N/A	3,755	0

Calendar Year

OFFENSE	2020	2019	2018	2017
MURDER / NON NEGLIGENT MANSLAUGHTER	0	0	0	0
NEGLIGENT MANSLAUGHTER	0	0	0	0
RAPE	3	1	1	1
FONDLING	0	2	1	0
INCEST	0	0	0	0
STATUTORY RAPE	0	0	0	0
ROBBERY	0	0	0	0
AGGRAVATED ASSAULT	0	0	0	2
BURGLARY	1	3	1	0
MOTOR VEHICLE THEFT	0	0	0	0
ARSON	0	0	0	0
DOMESTIC VIOLENCE*	0	0	0	0
DATING VIOLENCE*	1	1	1	0
STALKING*	2	8	8	8
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	3	0	0
LIQUOR LAW VIOLATIONS REFERRED FOR DISCIPLINARY ACTION	12	85	40	0
DRUG LAW ARRESTS	0	8	3	3
DRUG LAW VIOLATIONS REFERRED FOR DISCIPLINARY ACTION	0	1	0	0
ILLEGAL WEAPONS POSSESSION ARRESTS	1	0	2	0
ILLEGAL WEAPONS POSSESSION VIOLATIONS REFERRED FOR DISCIPLINARY ACTION	0	1	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.

CLERY ACT CRIME STATISTICS

ENROLLMENTS/NUMBER OF RESIDENTS	Fall 2020		Fall 2019		Fall 2018		Fall 2017	
	Total Enrollment	# Living on Campus	Total Enrollment	# Living on Campus	Total Enrollment	# Living on Campus	Total Enrollment	# Living on Campus
UNDERGRADUATE STUDENTS	5,833	669	6,405	3,136	6,841		6,763	3,538
GRADUATE STUDENTS	1,884	20	1,749	77	1,672		1,643	76

Calendar Year

OFFENSE	2020	2019	2018	2017
MURDER / NON-NEGLIGENT MANSLAUGHTER	0	0	0	0
NEGLIGENT MANSLAUGHTER	0	0	0	0
RAPE	2	3	7	1
FONDLING	0	2	0	4
INCEST	0	0	0	0
STATUTORY RAPE	0	0	0	0
ROBBERY	0	2	0	5
AGGRAVATED ASSAULT	0	3	7	10
BURGLARY	3	12	11	11
MOTOR VEHICLE THEFT	1	1	0	0
ARSON	0	0	1	0
DOMESTIC VIOLENCE*	1	9	0	15
DATING VIOLENCE*	0	1	11	0
STALKING*	3	2	1	6
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	4
LIQUOR LAW VIOLATIONS REFERRED FOR DISCIPLINARY ACTION	11	194	126	161
DRUG LAW ARRESTS	0	0	1	1
DRUG LAW VIOLATIONS REFERRED FOR DISCIPLINARY ACTION	0	1	4	1
ILLEGAL WEAPONS POSSESSION ARRESTS	0	1	2	1
ILLEGAL WEAPONS POSSESSION VIOLATIONS REFERRED FOR DISCIPLINARY ACTION	0	3	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.

CLERY ACT CRIME STATISTICS

ENROLLMENTS/NUMBER OF RESIDENTS	Fall 2020		Fall 2019		Fall 2018		Fall 2017	
	Total Enrollment	# Living on Campus	Total Enrollment	# Living on Campus	Total Enrollment	# Living on Campus	Total Enrollment	# Living on Campus
UNDERGRADUATE STUDENTS	13,815	710	14,155	4,494	14,005	4,379	14,013	3,632
GRADUATE STUDENTS	4,554	23	4,183	35	4,239	65	4,303	37

Calendar Year

OFFENSE	2020	2019	2018	2017
MURDER / NON-NEGLIGENT MANSLAUGHTER	0	1	0	0
NEGLIGENT MANSLAUGHTER	0	0	0	0
RAPE	0	9	12	4
FONDLING	2	6	1	4
INCEST	0	0	0	0
STATUTORY RAPE	0	0	0	0
ROBBERY	1	2	1	5
AGGRAVATED ASSAULT	3	3	2	2
BURGLARY	0	1	1	2
MOTOR VEHICLE THEFT	0	2	1	3
ARSON	1	0	0	0
DOMESTIC VIOLENCE*	3	7	6	3
DATING VIOLENCE*	0	0	0	0
STALKING*	1	1	1	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	1	0	0	0
LIQUOR LAW VIOLATIONS REFERRED FOR DISCIPLINARY ACTION	32	78	150	217
DRUG LAW ARRESTS	1	0	8	5
DRUG LAW VIOLATIONS REFERRED FOR DISCIPLINARY ACTION	0	2	0	1
ILLEGAL WEAPONS POSSESSION ARRESTS	5	1	0	1
ILLEGAL WEAPONS POSSESSION VIOLATIONS REFERRED FOR DISCIPLINARY ACTION	0	5	0	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 immediate access from the campus.

CLERY ACT CRIME STATISTICS

ENROLLMENTS/NUMBER OF RESIDENTS	Fall 2020		Fall 2019		Fall 2018		Fall 2017	
	Total Enrollment	# Living on Campus	Total Enrollment	# Living on Campus	Total Enrollment	# Living on Campus	Total Enrollment	# Living on Campus
UNDERGRADUATE STUDENTS	0	0	0	0	0	0	0	0
GRADUATE STUDENTS	1,292	0	1,234	0	1,185	0	1,095	0

Calendar Year

OFFENSE	2020	2019	2018	2017
MURDER / NON-NEGLIGENT MANSLAUGHTER	0	0	0	0
NEGLIGENT MANSLAUGHTER	0	0	0	0
RAPE	0	0	0	1
FONDLING	1	0	2	1
INCEST	0	0	0	0
STATUTORY RAPE	0	0	0	0
ROBBERY	1	0	0	0
AGGRAVATED ASSAULT	5	9	3	3
BURGLARY	1	0	1	2
MOTOR VEHICLE THEFT	6	6	5	1
ARSON	0	0	0	0
DOMESTIC VIOLENCE*	3	4	7	3
DATING VIOLENCE*	0	0	0	0
STALKING*	0	0	4	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>	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	2	4	11	16
DRUG LAW VIOLATIONS REFERRED FOR DISCIPLINARY ACTION	0	0	0	0
ILLEGAL WEAPONS POSSESSION ARRESTS	0	2	1	1
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.