



UNIVERSITY OF MASSACHUSETTS
Amherst • Boston • Dartmouth • Lowell • Worcester

University of Massachusetts

2004 Report on Annual Indicators *University Performance Measurement System*

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THE 2004 REPORT ON ANNUAL INDICATORS

The 2004 Report on Annual Indicators is the seventh annual report of the University Performance Measurement System. This report provides Trustees, Legislators, and state-level policy makers with information by which they can assess the University of Massachusetts as compared with similar institutions and its own performance in the past. Through this report and other aspects of performance measurement and assessment, the University seeks to be open and accountable to the constituencies it serves.

The Report on Annual Indicators includes measures that relate to five primary areas: Academic Quality, Student Success and Satisfaction, Access and Affordability, Service to the Commonwealth, and Financial Health. Indicators for Academic Quality and Student Success are presented in the individual campus reports. Indicators related to Access and Service are mostly contained in the System report, although some campuses have included related indicators in their own reports. Indicators for Financial Health are presented both for the system and the campuses.

Within each area, many indicators are common to all campuses, but several are unique to one or two (see summary on the next page). For example, the Amherst campus includes a number of indicators of productivity or quality in research and graduate education; the Medical School includes indicators on patent activity and its volume of state service activity; and the Boston campus includes indicators related to the college GPA, retention rate and graduation rate of transfer students, who comprise a majority of its incoming class each year.

The report provides relevant longitudinal and comparative data to help the reader assess the information being provided. Each campus has an established peer group that contains comparable as well as "aspirant" institutions. For the Amherst campus, the peer group consists of the national universe of 138 research universities (public and private). For the Worcester campus, the peer group consists of the 75 public medical schools in the United States. For the Boston, Dartmouth, and Lowell 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, specifically those that relate to Access and Affordability, Service to the Commonwealth, and Financial Health. Indicators in these areas reflect decisions that rest with the system administration and the Board (such as tuition and fee levels) or describe the collective role of the campuses in serving the students and citizens of the Commonwealth (such as degree production or enrollment of Massachusetts residents). Depending on the indicator, data for the UMass system are compared with Massachusetts private universities, Massachusetts demographic data, New England public universities, or (for the financial indicators) a small group of public university systems in other states.

The System report is followed by individual reports for each campus. Each report follows this format:

- About the Campus
- Headlines from the 2004 Annual Indicators
- 2004 Annual Indicators at a Glance
- Data Tables and Charts
- Definitions and Sources

2004 ANNUAL INDICATORS BY CAMPUS

ACADEMIC QUALITY

HS GPA of freshmen
 SAT scores of freshmen
 Average GPA of transfer students
 MCAT scores of entering students
 Licensure and certification pass rates
 Research Expenditures (total and per faculty)
 Federal Research Support
 Rank in total R&D (NSF)
 Doctorates awarded
 National Academy Members
 Faculty Awards
 Postdoctoral appointees
 Sponsored Instruction/outreach per faculty
 % of classes under 20
 % of classes 50 or higher
 Rank in NIH funding among medical schools
 US News Ranking in Primary Care Medicine

Sys	A	B	D	L	W
	x	x	x	x	
	x	x	x	x	
		x			
					x
	x	x	x	x	x
	x		x		x
	x				
	x				
	x				
		x			
			x		
					x
					x

STUDENT SUCCESS AND SATISFACTION

Freshman one-year retention rate
 Freshman six-year graduation rate
 Transfer one-year retention rate
 Transfer graduation rate
 Student rating of education
 Alumni satisfaction
 Satisfaction with Major (Senior survey)
 Number of students enrolled in for-credit internships
 Match rate/choice of residency

Sys	A	B	D	L	W
	x	x	x	x	
	x	x	x	x	
		x	x		
		x	x		
	x	x	x	x	x
	x	x	x	x	
	x	x			
		x			
					x

ACCESS AND AFFORDABILITY

Tuition & fees as % of statewide family income
 Tuition & Fees as % of feeder community income
 Tuition & Fees with Learning Contract
 % UG's from Massachusetts
 % UG's who are students of color
 % UG's who are first generation in college
 % UG's who have English as Second Language

Sys	A	B	D	L	W
x					
				x	
					x
x		x			
x		x		x	
x		x			
		x			

SERVICE TO THE COMMONWEALTH

% Mass residents attending UMass
 In-State UG Enrollment by Region
 UMass % of all Massachusetts degrees
 % of graduates who remain in MA
 Online course enrollments
 Patent applications
 License Income
 Enrollments in continuing/corporate education
 Regional Impact
 Service to State Agencies (\$)

Sys	A	B	D	L	W
x					
x					
x					
x					
x		x		x	
				x	x
x				x	x
			x	x	
			x		
					x

FINANCIAL HEALTH

Endowment and endowment per student
 Annual growth in endowment
 Private Funds Raised Annually
 Operating Margin
 Financial Cushion
 Debt Service to Operations
 Age of Facilities Ratio

Sys	A	B	D	L	W
x	x	x	x	x	x
x	x	x	x	x	x
x	x	x	x	x	x
x	x	x	x	x	x
x	x	x	x	x	x
x	x	x	x	x	x
x	x	x	x	x	x

HEADLINES FROM THE 2004 ANNUAL INDICATORS

The 2004 Annual Indicators tell a positive story. The Academic Quality and Student Success and Satisfaction Headlines are based on the campus annual indicators, while the rest are based on both system and campus indicators.

Academic Quality

UMass continues to attract highly qualified applicants, as evidenced by academic profile of entering students at all campuses. Over the seven years of reporting, the mean SAT score as well as the average GPA of first-time students has risen steadily.

UMass campuses generally outperform state and national averages on professional certification and licensure exams in fields such as education, medicine, and nursing.

The UMass system generated nearly \$350 million in sponsored research in FY2003, continuing an upward trend of several years. Available data show that the campuses are competitive with their peers in research funding per faculty.

UMass Amherst compares favorably to research universities nationally in the quality of its faculty and its productivity in advanced education and training. UMass Worcester has moved to third from twelfth ranking nationally in *US News'* ranking of medical schools with an emphasis in primary care medicine.

Student Success and Satisfaction

The freshman retention and graduation rates of UMass campuses are generally similar to or slightly higher than those of their peer institutions.

"Student rating of education" and "alumni satisfaction" are measured by surveys which were last conducted in spring 2002. At that time, more than four-fifths of UMass seniors rated their educational experience "good" or "excellent" on a national survey. Most campuses compared favorably with similar institutions nationally on this measure. Also, 96 percent of recent alumni surveyed said they were "satisfied" or "very satisfied" with the quality of undergraduate education they received at UMass.

Access and Affordability

Despite increases in tuition and fees, UMass continues to remain affordable relative to median family income in the state and compares favorably with New England public universities and Massachusetts private universities.

The vast majority of UMass undergraduates continue to come from Massachusetts, compared with just over a quarter of undergraduates in the state's private university sector.

The proportion of UMass undergraduate students who are African American, Asian, Hispanic/Latino, or Native American (21%) compares favorably with the state's population of high school graduates.

Approximately 44 percent of UMass undergraduates are from the first generation in their families to attend a four-year college or university. At UMass Boston, over half of first-time, full-time students report that neither of their parents have a college degree.

Service to the Commonwealth

Almost 60 percent of Massachusetts residents attending a university in the state as undergraduates are enrolled at UMass. The University's students come from every region of the state.

The University awarded over 10,500 undergraduate and graduate degrees last year, representing approximately 14 percent of all bachelor's and graduate degrees awarded in the Commonwealth.

Almost two-thirds of all the University's graduates live and work in the Commonwealth. For *recent* bachelor's degree recipients, this figure is 75 percent.

Through UMass Online, the University continues to expand the availability of its courses and programs to students across the state and beyond, with more than 12,000 course enrollments in AY2003. Enrollment growth was 33 percent over 2001-2002.

License income from commercializable products and processes has grown to \$20 million.

Financial Health

The University's endowment has grown from \$106M in FY98 to \$182.8M in FY03.

The University continues a positive upward trend in private fund raising.

The FY03 operating margin, financial cushion, ratio of debt service to operations, and age of facilities ratio all reflect how the University's financial condition is being eroded by the downturn in state support along with the continued need to invest in infrastructure.

2004 ANNUAL INDICATORS AT A GLANCE – UMASS SYSTEM

ACCESS AND AFFORDABILITY

- Tuition & Fees as % of Family Income 12%
- % UG from Massachusetts 87%
- % UG who are Students of Color 21%
- % First-Generation College Students 44%

SERVICE TO THE COMMONWEALTH

- Proportion of Mass residents attending universities in Mass. enrolled in UMass 59%
- Enrollment of In-State Undergrads by Region:
 - Metro Boston 34.1%
 - Southeastern Mass 19.1%
 - Northeastern Mass 25.4%
 - Central Mass 8.3%
 - Western Mass 13.1%
- UMass as % of all Massachusetts Degrees 14%
- % Graduates who Remain in Mass 65%
- Annual Growth in Online Course Enrollments 33%
- Online Course Enrollments 12,131
- License Income \$20M

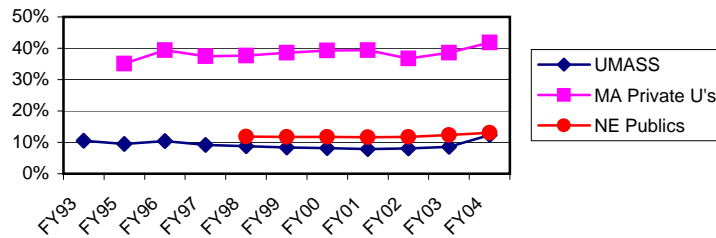
FINANCIAL HEALTH

- Endowment Assets \$182.8M
- Annual Growth in Endowment 13%
- Private Funds Raised Annually \$92.6M
- Operating Margin 0.5%
- Financial Cushion 17.1%
- Debt Service to Operations 4.1%
- Age of Facilities Ratio 10.4

ACCESS AND AFFORDABILITY

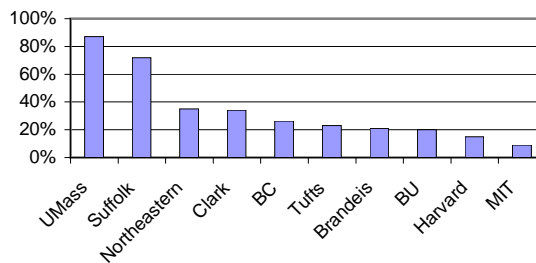
Tuition and Fees as a Percentage of Family Income

Despite substantial increases in tuition and fees during FY2002 and FY2003, UMass average tuition and fees remain affordable relative to median family income. UMass tuition and fees average 12 percent of statewide median family income, compared with an average of 42% for the state's private universities and 13% for other New England public universities.



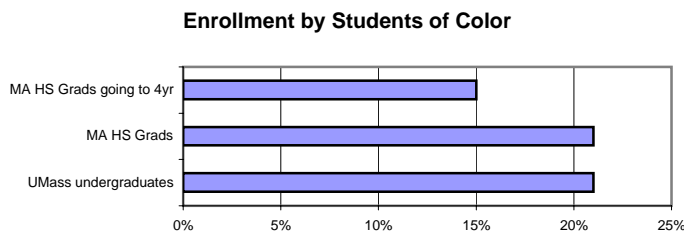
% Undergraduate Students from Massachusetts

The vast majority (87%) of UMass undergraduates are citizens of the Commonwealth. The percentages are highest at the more regional campuses (Boston, Dartmouth, and Lowell) and lowest at UMass Amherst, the system's flagship campus. By contrast, only 26% of undergraduates enrolled in the state's private universities come from Massachusetts.



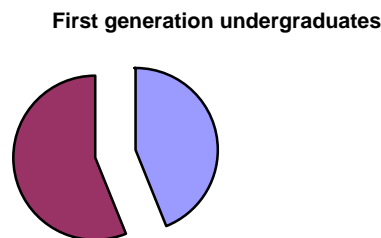
% Undergraduate Students of Color

Approximately one-fifth (21%) of the University's undergraduate students are Black, Asian, Hispanic, or Native American, compared with 21% of the state's population of High School graduates and 15% of High School graduates who intend to enroll in a four-year college or university.



% First Generation College Students

Although the number has declined slightly in recent years, a substantial percentage of UMass undergraduates are still from the first generation in their family to attend college (about 44% of current students). These percentages are highest at the Boston and Lowell campuses (more than half) and lowest at the Amherst campus (about one-third).

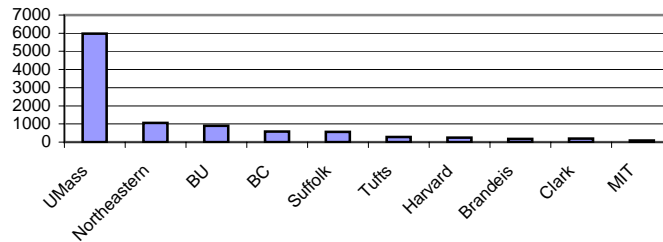


SERVICE TO THE COMMONWEALTH

Enrollment of Massachusetts Residents

Fifty-nine percent of Massachusetts residents enrolling in universities within the state as first-time undergraduates attend the University of Massachusetts.

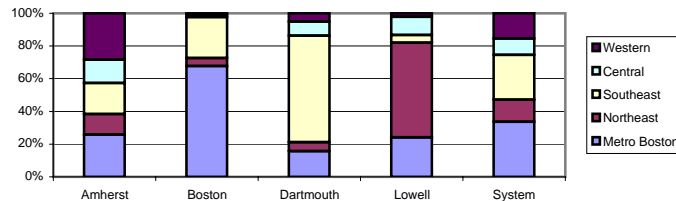
MA resident enrollment of first-year undergraduates



Enrollment by Region

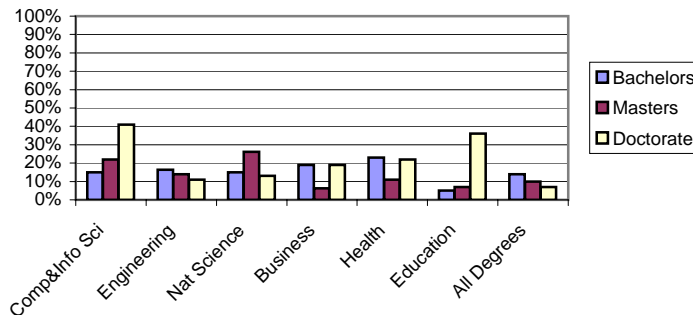
UMass campuses draw their in-state undergraduate students from different regions of Massachusetts, with UMass Boston drawing 68% from the metro Boston area, Dartmouth drawing 65% from Southeastern Massachusetts, and Lowell drawing 58% from the northeastern corner of the state. Even UMass Amherst draws one third of its in-state students from Western Massachusetts, more than any other single region.

New In-State Undergraduate Enrollment by Region



UMass Degrees as Percentage of all Massachusetts Degrees

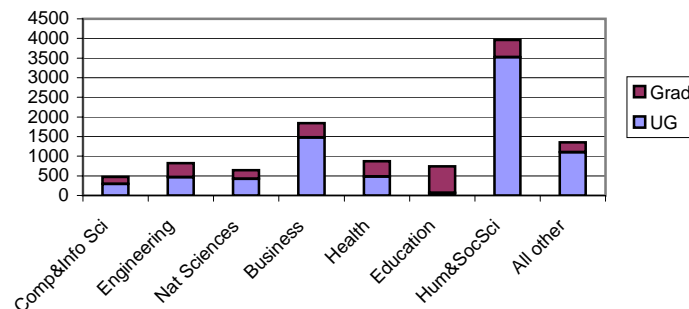
The University of Massachusetts annually awards 14 percent of baccalaureate and graduate degrees (16 percent of bachelors and doctoral degrees, and 10 percent of master's degrees) in the state. The University's impact at the doctoral level in computer and information sciences, and education is particularly high, as is its impact at the master's level in natural sciences and the bachelor's level in health (which includes nursing).



Degrees Conferred by Field

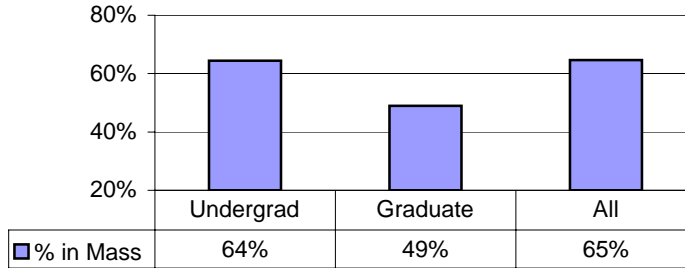
Of the 10,701 degrees conferred by the University in 2003, approximately three-quarters were at the undergraduate level and one-quarter at the graduate level. Almost 40% of degrees were in the humanities and social sciences, followed by 17% in business/management. The University awarded 473 degrees in computer and information sciences, 820 degrees in engineering, 644 degrees in the natural sciences, 870 degrees in health sciences and professions, 739 degrees in education (almost all of them at the graduate level), and 1354 degrees in other fields, such as criminal justice, public affairs, and natural resources and conservation.

Degrees Conferred by Field, 2002-03



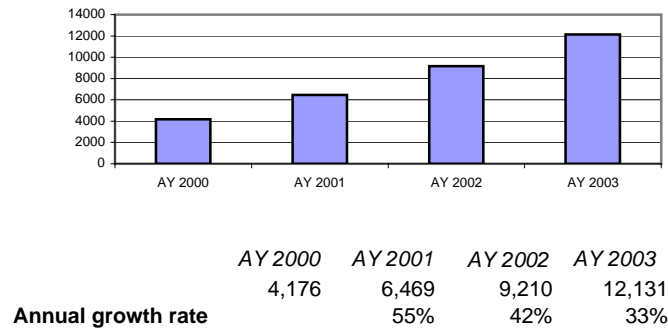
Percentage of Graduates Who Live in Massachusetts

Nearly two-thirds of the undergraduate alumni and more than half the graduate alumni of the University live and work in the Commonwealth of Massachusetts. According to a recent survey of alumni who received their bachelor's degrees in 1997-98, more than 75 percent of recent undergraduate alumni live and work in Massachusetts.



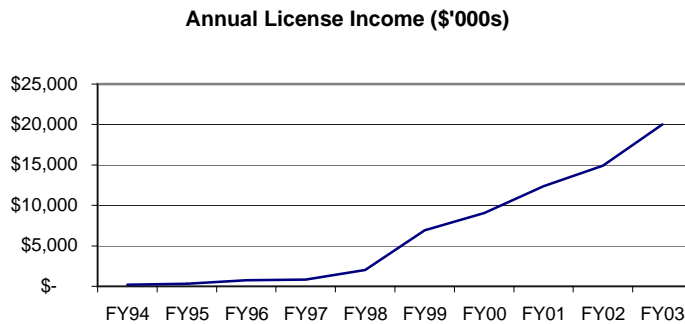
Rate of Growth in Online Course Enrollments

The UMass campuses offer more than 30 degree and certificate programs through UMass Online, the University's vehicle for interactive, Internet-based learning. Course enrollments in UMass Online continue to grow at a healthy rate. Academic year 2003-04 course enrollments were 33% higher than 2002-03.



License Income

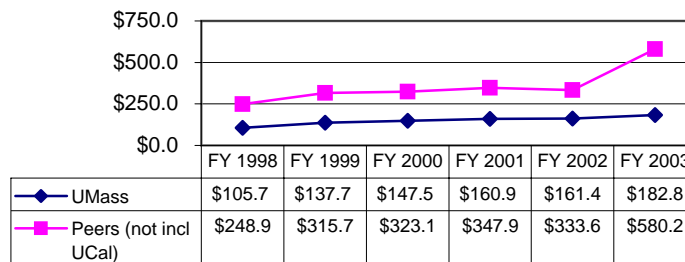
License income is a measure of the economic value of an institution's inventiveness and a contributor to the University's economic health. It is difficult to predict when or for what products or processes a license will begin to generate significant income. License income for UMass totaled \$20million in FY2003, up from just \$195,000 in FY1994. The University of Massachusetts ranks 17th in the nation in license income (based on the latest ranking by the Association of University Technology Managers).



FINANCIAL HEALTH

Endowment Assets

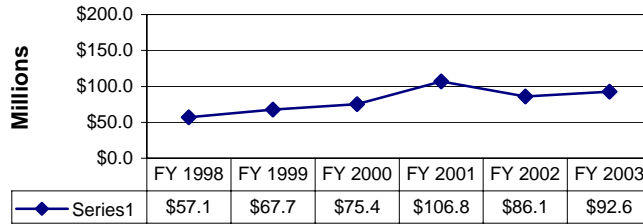
Despite a relatively small overall endowment and a very difficult economic environment, the University managed to post a small increase in the market value of its endowment between FY02 and FY03.



Annual growth rate	FY00	FY01	FY02	FY03
UMass	7.1%	9.1%	0.3%	13.3%
Peers	2.3%	7.8%	-4.1%	73.9%

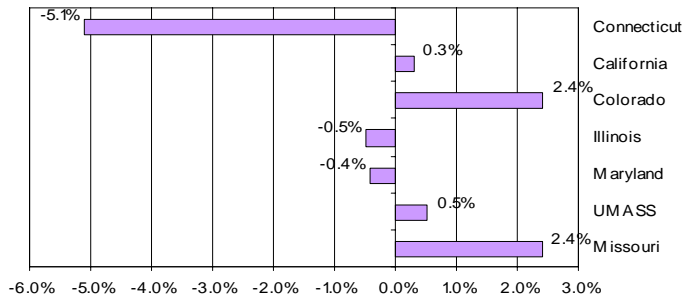
Private Funds Raised Annually

Despite a drop from FY2001 to FY2002 which reflects the downturn in the economy, the University's private fund raising shows a steadily increasing trend.



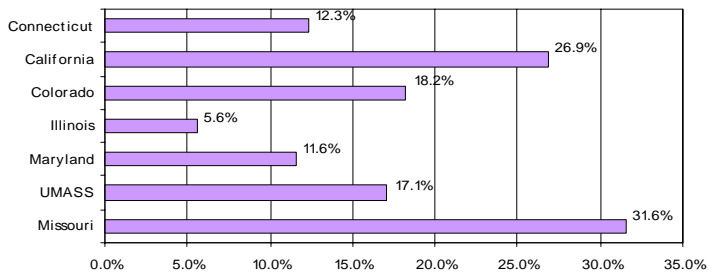
Operating Margin

As a short-term indicator of financial health, improving operating results over time will allow for long-term improvements in financial condition and increased stability. In FY2003, the University's operating margin was comparable to that of many of the peer systems. The addition of depreciation to the financial statements added an additional \$103 million of expenses for FY2003 pushing the margin downward. If we used the "old" method that does not consider depreciation costs, the University's margin would be a positive 7.9%.



Financial Cushion

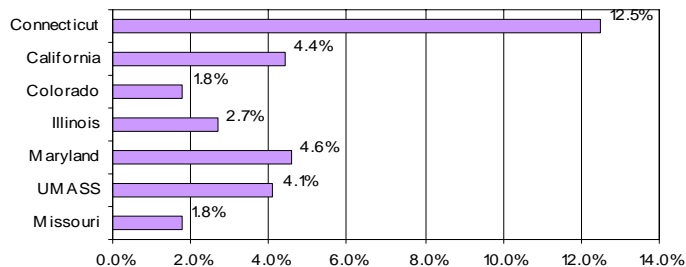
This ratio reflects long-term financial health of an institution and its ability to weather or "cushion" itself from short-term ups and downs. In FY2003, the University as a whole had a financial cushion of 17.1% which was within the range for the peer systems of 5.6% to 31.6%. Due to a change in reporting standards, calculation of this ratio is not comparable to prior years.



Debt Service to Operations

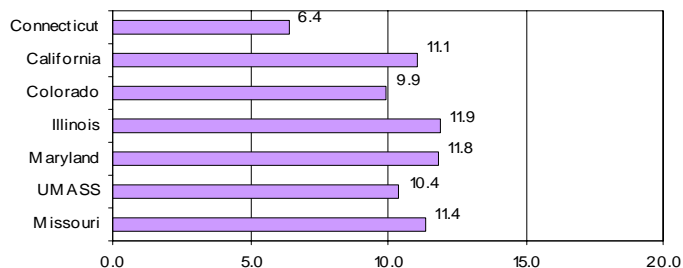
This ratio measures the demand that annual commitments to creditors place on the institution's operating funds.

Rating agencies generally consider that a debt service ratio of greater than 10% represents an institution that is highly leveraged. The FY2003 ratio is in line with peer systems.



Age of Facilities Ratio

This ratio calculates the average age of plant as measured in years. A low age of plant ratio indicates recent investments, while a high age (ratio) may indicate a large deferred maintenance burden. Continuous investments in plant including building renovations, infrastructure improvements, new construction, and (capitalizable) equipment upgrades all add to and improve the capital assets of the University and can reduce the average age of facilities ratio. The University's indicator for FY2003 is within the range of its peer systems.



DEFINITIONS AND SOURCES

ACCESS AND AFFORDABILITY INDICATORS

Tuition and fees as a percentage of family income. Tuition and mandatory fees for in-state undergraduates as a percentage of state-wide median family income as reported by US Census. Comparative data are from IPEDS, *Chronicle*, and US Census. FY02 and FY03 income data are compared against 2002 median family income (latest available).

Percentage of undergraduate students from Massachusetts. Percentage of Fall 2003 undergraduate students from in-state as determined by tuition residency classification. Data for Mass. private universities are from IPEDS and reflect first-time students in Fall 2002.

Percentage of undergraduate students of color. Fall 2003 Undergraduates who are Black, Hispanic/Latino, Asian and/or Native American, divided by total U.S. citizens and permanent residents who report race/ethnicity. Comparative data are for 2002 public HS graduates (MA Department of Education).

% first generation college students. Percentage of seniors and freshmen who answered "no" to the question, "did either of your parents graduate from college?" on the National Survey of Student Engagement, Spring 2002.

SERVICE TO THE COMMONWEALTH INDICATORS

Enrollment of Massachusetts residents. Number of first-year undergraduates enrolling at each institution who are residents of Massachusetts. Mass. private university data are from IPEDS Enrollment Survey, Fall 2002.

Enrollment by region. In-state undergraduate enrollment by region, Fall 2001.

UMass degrees as % of all Massachusetts degrees. Degrees awarded by UMass as % of total degrees awarded by colleges and universities in the state in 2000-2001 based on IPEDS Completions Survey.

Degrees conferred by field. 2002-03 degrees conferred by UMass campuses by field.

Percent of graduates who live in Massachusetts. Percentage of total undergraduate and graduate degree recipients who currently reside in Massachusetts based on alumni records as of Fall 2003.

Rate of growth in distance education enrollments. Percentage rate of growth in annual course registrations. Does not represent headcount enrollments. Academic Year represents Fall, Winter, Spring and Summer enrollments.

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

FINANCIAL HEALTH INDICATORS

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

Private funds raised annually. Private funds raised includes restricted and unrestricted revenues from individuals, foundations, corporations and other organizations. Includes private grant revenues but not private contract revenues. Totals for each year include pledges made in that year as well as the value of in-kind contributions. Comparable peer data are not available.

Operating margin. Operating surplus as a percentage of total operating revenues plus federal and state appropriations. Peer data are from published financial statements. Not comparable to prior years.

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

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

Age of facilities ratio. The average age of plant as measured in years and defined as current depreciation expense divided by accumulated depreciation. Peer data are from published financial statements.

PEER INSTITUTIONS FOR UMASS SYSTEM

Peer University Systems

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

New England Public Universities

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

Massachusetts Private Universities

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



UNIVERSITY OF MASSACHUSETTS
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University of Massachusetts Amherst

2004 Report on Annual Indicators *University Performance Measurement System*

ABOUT THE CAMPUS

The University of Massachusetts Amherst, founded under the Morrill Land Grant Act in 1863, is the flagship campus of the state university system. Located in the historic Pioneer Valley of Western Massachusetts, the 1,450-acre campus provides a rich cultural environment in a rural setting.

One of today's leading centers of public higher education in the Northeast, the University of Massachusetts Amherst has achieved a growing reputation for excellence in an increasing number of disciplines, for the breadth of its academic offerings, and for the expansion of its historic roles in education, research, and public service. Within its ten schools and colleges, the campus offers bachelor's degrees in 88 areas, associate's degrees in 6, master's degrees in 64, and the doctorate in 48 disciplines. There are approximately 24,300 students, made up of almost 19,000 undergraduate, 5,600 graduate students, and 265 students in the Stockbridge School of Agriculture.

Funding for the campus comes from a variety of sources, including the state, federal government, private industry, and private individuals and foundations. UMass Amherst is a world center for research in such areas as polymer science, artificial intelligence, microwave engineering, and the life sciences, with research and research related expenditures totaling \$114 million in fiscal year 2003. Many of the 1,078 full-time faculty members are nationally and internationally renowned for their expertise in their fields. In addition to research, the campus has a strong commitment to teaching and faculty development that is supported by its nationally recognized Center for Teaching.

Three-fourths of undergraduate students are Massachusetts residents and are drawn from all regions of the state. The campus also draws students from almost every state and 70 foreign countries. Approximately 5,200 new undergraduates entered in fall 2003 with about one-fifth enrolling as transfers. One-third of transfer students came from Massachusetts community colleges. The undergraduate population is largely full-time with most students enrolling within one year of high school graduation. The Amherst campus has one of the largest resi-

dence hall systems in the country and about three-fifths of students live on campus. The undergraduate population is diverse; 17% percent are African-American, Latino, Asian, or American Indian. The academic profile of entering first-year students is strong — in fall 2003 over three-quarters of students entered with high school grade point averages above 3.00. SAT scores have increased in recent years and the median scores was 1140 in fall 2003

Undergraduates are offered a wide range of curricular and co-curricular opportunities. Over 2,000 academically talented students are enrolled in the Commonwealth Honors College, a campus-wide program. Residential Academic Programs (RAP) provide first-year students with an academically supportive environment in which they can attend classes and study with other students from their residence hall. About one-third of first-year students participate in RAP. The University, one of the founding members of the Five College consortium, offers reciprocal student access among UMass Amherst and Amherst, Hampshire, Mount Holyoke, and Smith colleges. The campus also provides opportunities for undergraduates to be directly involved in research and get hands-on experience through internships and field experience. A wide range of service learning and volunteer opportunities are also available for students.

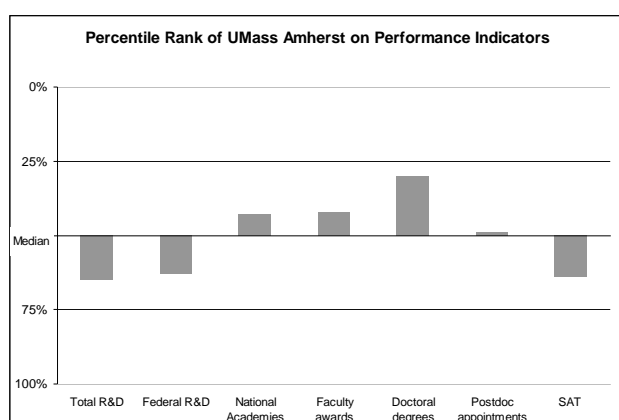
UMass has one of the most comprehensive student activities program in the country, including award-winning student-run businesses and over 200 registered student organizations. The campus participates in Division I athletics with 11 varsity sports for men and 12 for women. Students can also participate in intramural and club sports.

As part of the five-campus system, the University of Massachusetts Amherst complements its activities with outreach education, research, and service programs at sites throughout the Commonwealth, ranging from the Southeastern Massachusetts Agricultural Center in East Wareham to the Berkshire Medical Center in Pittsfield to the Small Business Development Center in Springfield, and the I-495 Center for Professional Education in Westborough.

HEADLINES FROM THE 2004 ANNUAL INDICATORS

Academic Quality

The Top American Research Universities (TheCenter) identifies nine performance indicators, seven of which reflect academic quality, to evaluate the comparative performance of the top research universities. These public and private institutions, which include UMass Amherst, generate over \$20 million in federal research annually. The Amherst campus is comparing its progress with respect to these measures with the 138 research institutions with undergraduate programs in this group.



Note. The *percentile rank* shows the relative standing of the campus in comparison to the Top 138 Research Universities. Percentiles range from 1 (high) to 99 with a percentile rank of 50 representing the median.

Research. Total and federal research dollars are key measures of an institution's commitment to and success in research. The Amherst campus faculty has been successful in competing for grants and contracts, and total R&D spending has increased by over 30% in the past five years. The Amherst campus' rank slipped in 2001 (the most recent available comparison), but has likely rebounded more recently. Large-scale faculty retirements have affected total dollars. Per faculty research dollars, however, have been climbing consistently. As faculty are replaced, total dollars should increase.

Faculty Quality. Another indicator of an institution's strength is the number of academic honors and awards received by the faculty. UMass Amherst's faculty has shown considerable strength in this area and received a wide range of awards. The campus is at the 42nd percentile for faculty awards and at the 43rd percentile for membership in the National Academies. Recent drops on these measures is likely a result of the shrinking tenure system faculty.

Advanced Training. Educating and training the next generation of research scholars is an indicator of academic performance. The number of doctorates awarded and postdoctoral appointees are measures of the strength of advanced training. Here, too, UMass Amherst's performance was strong. The campus ranked in the top third on the number of degrees awarded and at about the median for the number of post-doctorates.

Undergraduate Quality. Most research universities serve undergraduate student populations. SAT scores are used by most as an assessment of the quality of entering students. Scores for UMass students are below the median for research universities (64th percentile). However, like other public institutions, the campus mission includes providing access to an affordable education to students in the Commonwealth. SAT scores have increased by 30 points since 2001.

Student Success and Satisfaction

UMass Amherst students have a positive educational experience. Retention of first-year students has remained high (84%), as have six-year graduation rates (64%). Both are comparable to other research extensive institutions. Additionally, UMass students report high satisfaction with their undergraduate experience based on results from three surveys: the National Survey of Student Engagement, the Amherst campus Senior Survey and the UMass Alumni Survey.

Financial Health

Two measures of an institution's financial strength also used in The Center's rankings are its endowment assets and private funds raised. While the endowment and levels of private dollars raised in recent years increased, the campus is well below other research universities on these measures. UMass Amherst has begun to renew its focus on fundraising and is preparing for the next capital campaign; this pre-campaign period is a slower time for donations. Modest growth in the endowment is anticipated in the next few years. The goal will be to secure gift funding that can be used to offset campus operating costs for key student investments such as funding for scholarships. More information can be found in the Financial Indicators Report.

2004 ANNUAL INDICATORS AT A GLANCE

ACADEMIC QUALITY

• Average HS GPA of Freshmen	3.28
• SAT Scores of Freshmen (Median)	1140
• Licensure/Certification Pass Rates	
<i>Massachusetts Teacher Test</i>	100%
<i>Registered Nurse</i>	89%
• Total R&D Expenditures (\$000)	\$113,512
• Federal R&D Expenditures (\$000)	\$60,839
• Total R&D/Faculty	\$122,319
• Federal R&D/Faculty	\$65,559
• No. of doctorates awarded	213
• No. of postdoctoral appointees	161
• Faculty Awards	10
• National Academy Members	9

STUDENT SUCCESS AND SATISFACTION

• Freshman One-Year Retention Rate	84%
• Freshman Six-Year Graduation Rate	64%
• % Seniors Rating their Educational Experience "Good" or "Excellent" (NSSE)	86%
• Satisfaction With Major (UMA Senior Survey)	95%
• % Alumni "Satisfied" or "Very Satisfied" with the overall quality of education received at UMA	95%
• % Alumni "Satisfied" or "Very Satisfied" with the way UMA prepared them for current or most recent job	87%
• % Alumni "Satisfied" or "Very Satisfied" with the way UMA prepared them for further education	90%

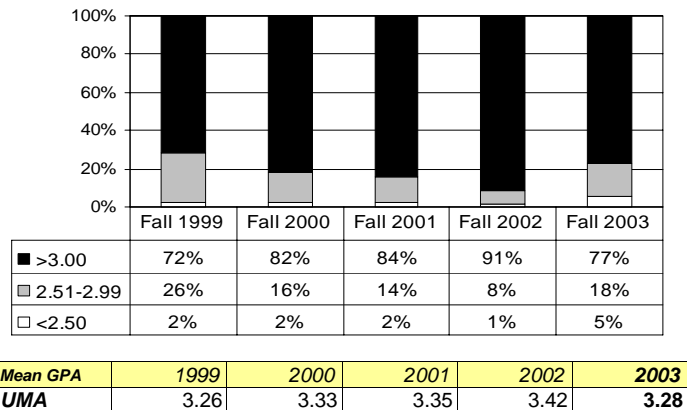
FINANCIAL HEALTH

• Operating Margin	1.0%
• Financial Cushion	16.1%
• Debt Ratio	5.9%
• Age of Facilities Ratio	11.7
• Endowment (\$000)	\$65,951
• Endowment per Student	\$2,940
• Private Funds Raised Annually (\$000)	\$35,259

ACADEMIC QUALITY

High School GPA of Freshmen

UMass Amherst entering first-year students are strong academically and consistently show a high school GPA of about 3.3. In fall 2003, the GPA dipped but SAT scores increased.



SAT Scores of Freshmen

The SAT profile of UMass Amherst students is somewhat below that of other research universities. The campus has seen a 30-point increase in scores since fall 2001.

SAT Score	1999	2000	2001	2002	2003
UMA	1130	1130	1110	1120	1140
Peer Median	1150	1155	1165	N/A	N/A
%ile Rank	57%	63%	64%		

Licensure and Certification Test Pass Rates

Pass rates on major licensure exams for Nursing and Education at the Amherst campus are consistently higher than national or state averages. The number of students taking these exams represent a small proportion of the campus's graduates.

Pass Rates	Educator Licensure		Registered Nurse	
	2002	2003	2002	2003
UMA Test Takers	214	218	70	84
UMA Pass Rate	98%	100%	89%	89%
State Pass Rate	95%	97%	N/A	88%
National Pass Rate	N/A	N/A	87%	88%

Research Expenditures

Total R&D spending has increased by over 30% in total dollars and over 50% in federal dollars in the past five years. The Amherst campus' rank among the top American research universities for total research dollars slipped in 2001 (the most recent available comparison), but has likely rebounded more recently. Large-scale faculty retirements have affected total dollars. Per faculty research dollars, however, have been climbing consistently. As faculty are replaced, total dollars should increase.

Total Research (\$000's)	1999	2000	2001	2002	2003
UMA	86,576	97,052	97,976	109,332	113,512
Peer Median	116,362	135,449	148,821	N/A	N/A
%ile Rank	62%	61%	65%	N/A	N/A

Federal Research (\$000's)	1999	2000	2001	2002	2003
UMA	39,877	44,697	49,576	54,770	60,839
Peer Median	57,243	64,433	69,957	N/A	N/A
%ile Rank	64%	64%	63%	N/A	N/A

Per Tenure System Faculty	1999	2000	2001	2002	2003
Total	\$83,007	\$92,080	\$94,117	\$106,874	\$122,319
Federal	\$38,233	\$42,407	\$47,623	\$53,539	\$65,559

Number of Doctorates Awarded

The number of doctorates awarded at UMA has been consistently high among the top American research universities that award the doctorate. However in 2003, the number dipped to its lowest in recent years. This number is also likely to rebound as tenure system faculty are replaced.

Doctorates	1998	2000	2001	2002	2003
UMA	299	276	261	287	213
Peer Median	204	200	192	184	N/A
%ile Rank	32%	32%	34%	30%	N/A

Postdoctoral Appointees

UMass Amherst senior faculty mentor recent PhDs with science and engineering degrees who wish to receive research training. UMass remained around the median on this measure. This, too, is a measure of advanced training.

Post-Docs	1999	2000	2001	2002	2003
UMA	143	131	134	142	161
Peer Median	141	135	133	N/A	N/A
%ile Rank	49%	51%	49%		

Faculty Awards

UMass Amherst faculty members are recipients of many prominent awards in the arts, humanities, science, engineering and health fields. This is an area of strength for the campus. The recent drop is likely a result of the shrinking tenure system faculty.

Awards	1999	2000	2001	2002	2003
UMA	10	13	14	10	N/A
Peer Median	9	9	10	9	
%ile Rank	43%	36%	34%	42%	

National Academy Members

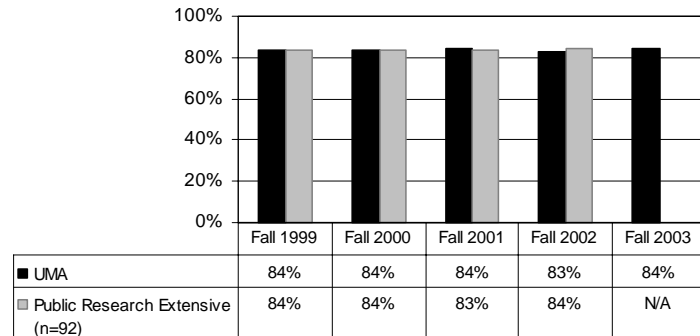
Several UMass faculty members have been elected to some of the most prestigious disciplinary organizations, the National Academy of Science, the National Academy of Engineering, or the Institute of Medicine. This is one of the highest honors academic faculty can receive. The campus is at about the median on this measure (tied with seven institutions).

Members	1999	2000	2001	2002	2003
UMA	12	10	9	9	N/A
Peer Median	10	10	7	9	
%ile Rank	38%	49%	44%	43%	

STUDENT SUCCESS AND SATISFACTION

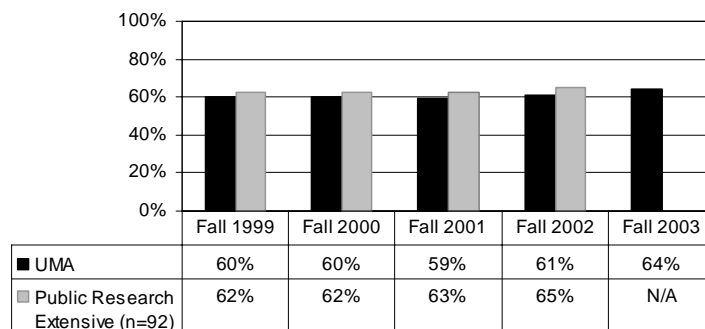
Freshman One-Year Retention Rate

The one-year retention rate has been consistently high during the past five years with over four-fifths of first-time freshmen returning for the second year. This rate is comparable to that of other public research extensive institutions.



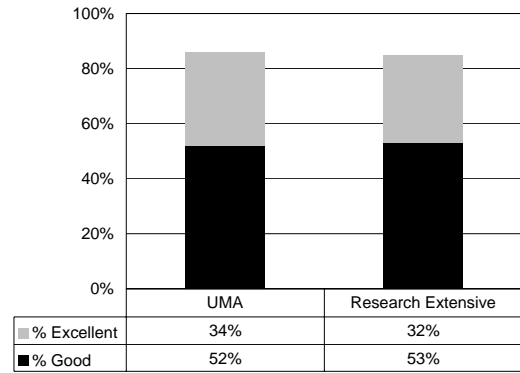
Freshman Six-Year Graduation Rate

Sixty-four percent of full-time Amherst campus students graduate within six years of entrance. This rate is close to the average for other public research extensive institutions. The six-year graduation rate is a lagging indicator in that it tends to reflect the academic profile of students entering six years earlier.



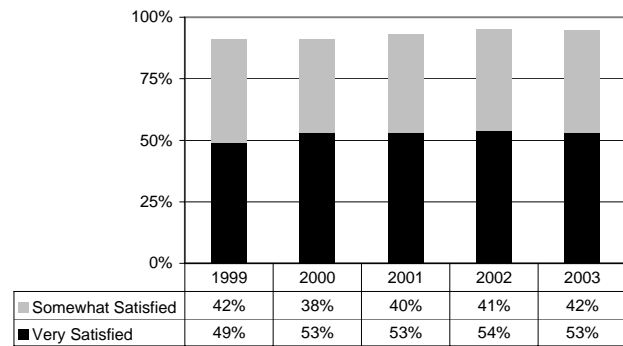
% Seniors Rating Educational Experience "Good" or "Excellent"

UMass Amherst seniors report a high level of satisfaction. Like their counterparts at Research Extensive institutions, more than four-fifths of Amherst campus seniors responding to the National Survey of Student Engagement (NSSE) report a positive educational experience.



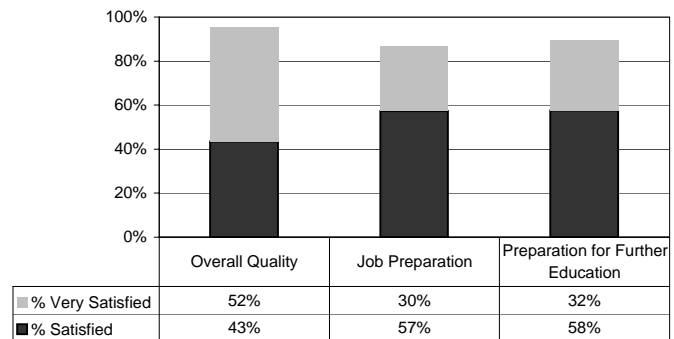
Student Satisfaction with Major

Results of the Amherst campus Senior Survey administered at time of graduation are further evidence of high student satisfaction. Satisfaction with the overall experience in the major has been consistently high. Over half reported being very satisfied.



Alumni Satisfaction

Similarly, a survey of UMass Amherst alumni shows high satisfaction. Most UMass Amherst students who graduated in 1997-98 were satisfied or very satisfied with the quality of the education received, their preparation for work and preparation for further education.



FINANCIAL HEALTH

Operating Margin

Operating margin measures an institution's ability to live within its financial means. The campus compares favorably with its peers on this measure. As the campus incurs more debt, operating margin will decrease slightly.

	FY 2002	FY 2003
UMA	-0.6%	1.0%
Peers	-1.1%	-0.1%

Financial Cushion

Financial cushion represents an institution's ability to weather unusual downturns in on-going revenue or other financial crisis. The cushion for the Amherst campus is slightly lower than the peer average. It is expected to increase slightly in FY04 but will decrease in FY05-FY09 as debt payments increase and more of plant fund balances will be spent on needed repairs.

	FY 2002	FY 2003
UMA	15.5%	16.1%
Peers	19.6%	19.9%

Debt Service to Operations

It is expected that the debt service ratio will decrease in FY04 as one bond issue ends. Beginning in FY05 the ratio will increase as debt is incurred for an energy conservation project and new undergraduate student housing.

	FY 2002	FY 2003
UMA	3.8%	5.9%
Peers	4.8%	4.8%

Age of Facilities Ratio

A ratio of 10 or less is recommended for a research university. Projections show that even with an aggressive capital plan of over \$400 million over the next five years, the age of facilities ratio will increase from 11.7 to 15.0 years. An additional \$400 million investment is needed to reach a comparable age of facilities ratio with peers.

	FY 2002	FY 2003
UMA	15.0	11.7
Peers	10.8	10.7

Endowment Per Student

The campus endowment is one of the lowest in the country for a public flagship campus. Only modest growth in the endowment is anticipated in the next few years. The goal will be to secure gift funding that can be used to offset campus operating costs for key student investments such as funding for scholarships.

<i>Endowment per FTE</i>	FY 2002	FY 2003
UMA	\$2,642	\$ 2,940
Peers	\$9,597	\$ 16,312

<i>Endowment (in \$000)</i>	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
UMA	\$50,563	\$55,637	\$59,526	\$59,793	\$ 65,951
<i>Annual % change</i>	36%	10%	7%	0%	10%

Private Funds Raised Annually

FY03 was a banner year for private funds raised marked by an \$8 million gift. In addition, it was the end of the capital campaign and a number of outstanding pledges were paid. This high level of results is not expected to be repeated for a number of years as the campus prepares for the next campaign, which is a slower time for donations.

<i>Private Funds (in \$000)</i>	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
UMA	\$23,842	\$19,819	\$30,194	\$ 20,136	\$ 35,259

DEFINITIONS AND SOURCES

ACADEMIC QUALITY INDICATORS

High school GPA of first-year students.

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

SAT scores of first-year students. The median (midpoint) SAT scores of all first-year students. Peer data are from *The Top American Research Universities*.

Licensure and certification test pass rates.

Pass rates on Massachusetts Tests for Educator Licensure (undergraduate and graduate) and Registered Nurse Licensure Exam.

Research expenditures. R&D expenditures in all academic fields, from all sources (federal, state, local governments, industry, private and institutional) as reported to NSF. Peer data are from *The Top American Research Universities* and adjusted for some institutions to exclude other campuses in a multi-campus system. **Total** and **Federal** dollars are reported.

Sponsored research per faculty. Total and Federal R&D expenditures, divided by total tenure system faculty.

Doctorates awarded. The Number of doctorates awarded as reported in the IPEDS Completions survey. Peer data from *The Top American Research Universities* as reported to IPEDS.

Postdoctoral appointees. The number of postdoctoral appointees as reported to NSF. Peer data are from *The Top American Research Universities*.

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

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 Fellow, 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.

STUDENT SUCCESS AND SATISFACTION INDICATORS

Freshman one-year retention rate. Percent of first-time, full-time freshmen who entered in the previous fall and were still enrolled as of the next fall. Peer data are from the Consortium for Student Retention Data Exchange (CSRDE) and represent approximately 90 research extensive universities.

Freshman six-year graduation rate. Percent of first-time, full-time freshmen who entered in a given fall and had graduated within six years. Peer data are from CSRDE and represent approximately 90 research extensive universities.

Percent seniors rating educational experience “Good” or “Excellent.” Percent of seniors who responded “good” or “excellent” to the question, “How would you evaluate your entire educational experience at this institution?” on the National Survey of Student Engagement (NSSE) administered in spring 2002. Data for other Research Extensive universities are from NSSE.

Satisfaction with major. Percent of seniors who responded “somewhat satisfied” or “very satisfied” to the question, “Please rate your satisfaction with your overall experience in your major” on the Amherst campus’s annual Senior Survey administered at the time of graduation.

Alumni satisfaction. Percent of alumni who responded “satisfied” or “very satisfied” to the questions, “Overall, how satisfied are you with the quality of the undergraduate education you received at UMass?” “How satisfied are you with the way UMass prepared you for your current, or most recent, job?”, and “How satisfied are you with the way UMass prepared you for pursuing any further education?” A telephone survey was administered in fall 2002 to students who received their baccalaureate degree during the 1997-98 academic year.

FINANCIAL HEALTH INDICATORS

Operating margin. Operating surplus as a percentage of total operating revenues plus federal and state appropriations. Peer data from published financial statements.

DEFINITIONS AND SOURCES

Financial cushion. Unrestricted net assets as a percentage of operating expenditures and interest expense. Peer data from published financial statements.

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

Age of facilities ratio. The average age of plant as measured in years and defined as current year depreciation expense divided by accumulated depreciation. A lower number indicates a newer average age of facilities. Peer data from published financial statements.

Endowment per student.

True and quasi-endowment per annualized FTE student, where FTE of peer institutions is standardized to UMass formula. Peer data from financial statements and IPEDS.

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

PEER INSTITUTIONS FOR UMASS AMHERST

Academic Quality Indicators

The peer group for the University of Massachusetts Amherst is comprised of the top American Research Universities, both public and private institutions, with at least \$20 million in federal research expenditures in fiscal year 2001. Excluded from the reference group of 138 universities are 34 institutions that do not have an undergraduate program (e.g., medical schools). These institutions are listed in *The Top American Research Universities, An Annual Report from The Lombardi Program on Measuring University Performance, 2003, TheCenter*, University of Florida. The percentile rank of UMass is shown with respect to these institutions. The *percentile rank* shows the relative standing of the campus. Percentiles range from 1 (high) to 99 with a percentile rank of 50 representing the median.

The Top American Research Universities does not report retention and graduation rates. An alternate source, the Consortium for Student Retention Data Exchange (CSRDE) was used. Retention and graduation rates for UMass students are compared with those of approximately 90 other Research Extensive universities that participated in the data exchange.

Financial Peers

Iowa State University
Rutgers University
University of California*
University of Colorado*
University of Connecticut
University of Maryland College Park

*added in 2004



UNIVERSITY OF MASSACHUSETTS
Amherst • Boston • Dartmouth • Lowell • Worcester

University of Massachusetts Boston

2004 Report on Annual Indicators *University Performance Measurement System*

ABOUT THE CAMPUS

UMass Boston, founded in 1965 and merged with Boston State College in 1982, is nationally recognized as a model of excellence for urban universities. A comprehensive, doctoral-granting campus, we provide challenging teaching, distinguished research, and extensive service which particularly respond to the academic and economic needs of the state's urban areas and their diverse populations. We offer 73 Baccalaureate, 61 Masters & Certificate programs & 14 Doctoral programs.

UMass Boston is an unusual university, even among peer urban universities, in the diversity of those attending the institution. In terms of race and ethnicity, UMass Boston is the most diverse public university with over 2,500 undergraduates in New England. In Fall 2003, 40% of our undergraduate students were US students of color.

Among our undergraduates, 45% are 22 or younger, the 'traditional' age for undergraduates. An additional 34% are between 23 and 30. These are often people in the beginning stages of careers or looking for career changes, for whom an undergraduate degree will make a significant difference. A further 21% are 31 and over. These students range in age from retirees to mid-career professionals. The university offers classes during the day, evenings and weekends and online to meet the needs of all these students.

About two thirds of our entering UMass Boston students each Fall semester are transfer students while among our peers transfers make up an average of one half of the entering class. Almost one half of UMass Boston's transfer students transfer from four year colleges; the remainder from Massachusetts Community Colleges and other 2 year schools. Many bring academic credits from multiple academic institutions.

A further indicator of the diversity of our student body is their language diversity. Two fifths of our students speak languages other than English at home. These are not 'international students' attending UMass Boston on a visa -- although we have close to 800 such students -- but recent immigrants and the sons and daughters of immigrants from the communities surrounding the campus. An examination of these students by race and ethnicity showed language diversities crossed these lines, reflecting the immigration into the region from many different parts of the world.

The social and economic diversity of our students is shown by the Pell grant figures. Just over one third of

our fulltime undergraduate students from Massachusetts receive Pell grants, federal funds targeted for those students most in financial need. Two thirds of our in-state undergraduate students apply for financial aid. Of these, 86% are eligible for aid and we are able to offer aid to 97% of the eligible applicants. Thus, we meet 90% of the need of eligible instate applicants.

In addition to those students with significant financial need, we enroll many students who do not require financial assistance as they are supported by family or from their own work and savings. We also serve a substantial number of veterans on our campus.

The research mission of UMass Boston is one we take very seriously. The development of the McCormack Graduate School of Policy Studies in FY03 enables us to more efficiently promote our special strengths in public policy research. The new College of Science & Math will increase our existing strengths in environmental studies. We are rebuilding the infrastructure that will enable our faculty to succeed in obtaining external support for their research.

Our campus wide strategic planning process has been completed this year. The mission of the campus was reviewed and reaffirmed and in that context, a focus on improving retention, research and reputation was woven throughout the plan. We are currently preparing the self study required by NEASC for our accreditation review in 2005.

At the core of UMass Boston is a strong culture of commitment to undergraduate education. When questioned, students report that the dedication of the faculty to their success is the thing they value the most about UMass Boston. In our recent survey of 1997/98 alumni, 97% reported being satisfied or very satisfied with their undergraduate education and with their undergraduate major.

Serving such a large number of nontraditional students poses challenges that we are committed to addressing. Retention is one of the major focuses of our new Strategic Plan. With the new campus center opening this year and with our vigorous efforts to expand and enliven campus life and our increased efforts to accommodate our students' desire for residential life, we hope to enhance the connection students feel with the campus so that more of them will make UMass Boston their final destination for higher education.

HEADLINES FROM THE 2004 ANNUAL INDICATORS

Overall, the Boston campus performed well on the annual indicators. It showed improvement on some measures and reached or surpassed the level of its peer institutions on a number of others.

Academic Quality

We continued to attract increasingly well-qualified freshmen in our entering classes and are more selective than our peers. In admissions, we are placing increasing emphasis on high school GPA and have successfully increased the average over the last 2 years. We have higher average entering SAT scores than our peers. The quality of our students' academic achievement is also demonstrated in the fact that, since 1999, we have had 4 Fulbright winners, one British Marshall scholar and 2 Rhodes semi-finalists.

Pass rates on nursing exams have improved significantly since 2000 and now exceed national averages. We are very pleased with this critically important improvement.

Research dollars per faculty member grew again this year from \$31,925 in FY02 to \$42,916 in FY03. Since FY1999, R&D expenditures have increased 42% to \$15.7 million.

Sponsored Instruction and Outreach has also shown significant growth, from \$17,420 per faculty member in FY1999 to \$41,495 in FY03. We are very pleased with this progress.

Student Success and Satisfaction

Both alumni and seniors report high levels of approval and satisfaction with the educational experience they have had at UMass Boston.

We have developed and implemented a graduating senior survey integrated into the graduation process. This provides us a method for the regular assessment of student satisfaction with their UMass Boston experience. We also participate regularly in the National Survey of Student Engagement and have implemented the CIRP Freshmen Survey this year. These surveys will enable us to more precisely focus our improvement efforts around retention, a continuing challenge for our campus.

The opening of the campus center and the development of off-campus residence facilities are expected to increase retention by increasing the sense of community. Careful raising of admission standards and building the sense of community, with on-campus housing and other activities, are necessary to improve retention and graduation rates.

Access and Affordability

We continue to serve residents of Greater Boston communities, fulfilling our mission of access to diverse populations. We serve large numbers of minority students, first-generation college students, and students with English as a Second Language.

Service to the Commonwealth

Four-fifths of our alumni reside in Massachusetts. We continue to see an increase in online enrollments and we currently offer 36 credit & non-credit certificate programs and 4 Masters degrees to the Corporate and Professional Community. In addition to applied research addressed to the policy needs of the Boston area and the state, the campus is heavily engaged in a wide range of outreach activities, from economic impact studies to our partnership with Dorchester High.

Financial Health

Our financial health grew vigorously during the four year period through FY2001. In FY02 & 03, we managed significant reductions in state appropriations and our financial architecture remained stable through other revenue increases, an early retirement program and a well developed cost reduction and restructuring process through both years. Although FY2003 financial indicators such as Operating Margin and Financial Cushion are not at optimal levels, we intend to move forward with our new Strategic Plan, and at the same time manage our resources in a way that insures financial stability. We expect to see a steady improvement in these indicators as a result. Debt Service, while modest by current standards at 4.58%, will rise as we open our new campus center and address many capital repairs and deferred maintenance needs.

2004 ANNUAL INDICATORS AT A GLANCE

ACADEMIC QUALITY

- High School GPA of Freshmen 2.97
- SAT Scores of Freshmen (25th-75th) 950-1110
- Average GPA of entering transfer students 3.03
- Licensure/Certification Pass Rates
 - Mass Teacher Certification Test 88%
 - NCLEX (Nursing) 91%
- Research Per Faculty \$42,916
- Sponsored Instruction & Outreach/Faculty \$41,495

STUDENT SUCCESS AND SATISFACTION

- Freshman One-Year Retention Rate 70%
- Freshman Six-Year Graduation Rate 34%
- Transfer one-year retention rate 71%
- Transfer four-year Graduation rate 69%
- % Seniors Rating Educational Experience "Good" or "Excellent" 82%
- % Graduates "Satisfied" or "Very Satisfied" with quality of education 97%
- % Graduates "Satisfied" or "Very Satisfied" with preparation for career further education
 - with preparation for career 88%
 - further education 91%
- % Undergraduates satisfied with their major 97%
- No. students enrolled in for-credit internships 658

ACCESS AND AFFORDABILITY

- % Undergraduates ALANA Students 40%
- % First Generation College Students 56%
- % Undergraduates who Speak English as a Second Language 37%
- % Undergraduate Students from MA 91%

SERVICE TO THE COMMONWEALTH

- % Graduates Who Live in MA 80%
- Rate of growth in distance education enrollments 78%
- Year to Date Enrollments in distance/online courses 1773

FINANCIAL HEALTH

- Operating Margin -4.55%
- Financial Cushion 3.68%
- Debt Service to Operations 4.58%
- Endowment Per Student \$2,059
- Annual Growth in Endowment 6%
- Private Funds Raised Annually (millions) \$3,531
- Age of Facilities indicator(s) 11.78

ACADEMIC QUALITY

High School GPA of Freshmen

The average GPA of entering first time freshmen at UMB remained stable from 1998 through 2001. It increased to 2.92 for 2002 and 2.97 for 2003.

These first time freshmen are only one third of our new students each Fall, two thirds are transfer students.

	Fall 1999	Fall 2000	Fall 2001	Fall 2002	Fall 2003
> 3.00	35%	35%	34%	41%	48%
2.51 - 2.99	38%	37%	40%	43%	45%
<2.50	27%	28%	26%	16%	7%
Average	2.83	2.82	2.82	2.92	2.97

SAT Scores of Freshmen

The mean SAT scores of entering freshmen increased steadily from 1019 in Fall 1998 to 1051 in Fall 2002. Fall 2003 means were slightly lower at 1042. In Fall 2001 (latest available data for peers), UMB scored above the peer mean by 25 points.

	Fall 1999	Fall 2000	Fall 2001	Fall 2002	Fall 2003	Fall 01 Peers
75th %ile	1110	1140	1150	1130	1110	1143
25th %ile	940	950	960	970	950	923
Mean	1033	1046	1058	1051	1042	1033

Average GPA of entering transfer students

Two thirds of all new students entering in the Fall are transfer students. The average GPA of these students was stable from Fall '99 to Fall '01, rising to 2.95 in Fall '02, and to 3.03 in Fall '03. There are no comparable peer data for this indicator.

	Fall 1999	Fall 2000	Fall 2001	Fall 2002	Fall 2003
UMB	2.84	2.84	2.86	2.95	3.03

Licensure and Certification Test Pass Rates

National Council Licensure Examination for Registered Nurses

First time test taker pass rates have increased 14% points in four years - to 91% in 2003
87% is the National Pass Rate for NCLEX in 2003

	2000	2001	2002	2003
First Time Taker Pass Rate	77%	81%	88%	91%
			87%	87%

Mass Teacher Certification Pass Rate

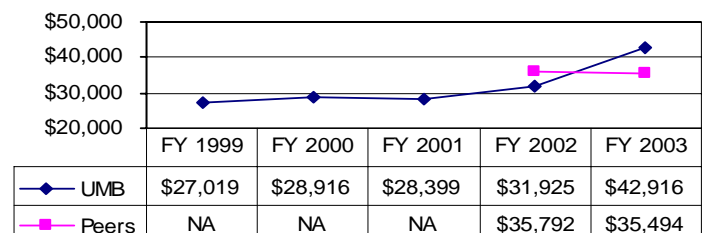
Our certification pass rates fell from 95% to 88% in the last year
In 2001/2002 UMB pass rates were above the state average of 91%
2002/2003 statewide figures are not available till October 2004.

	1999/00	2000/01	2001/2002	2002/2003
	80%	90%	95%	88%
			91%	NA

Research Per Faculty

R&D per faculty member grew by 58.8% between FY99 and FY03 at UMB reaching \$42,916 per full-time tenured faculty in FY03, well above our peer average.

In calculating the peer data, we have excluded the University of Illinois Chicago, which has a Medical School and whose current Funds Revenue and Research Expenditures are 15 times larger than UMass Boston.

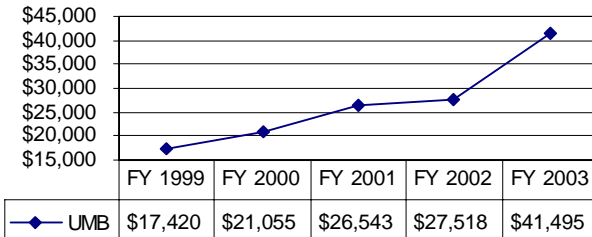


	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Total R&D Expenditures as reported in NSF Report in Millions	11,132	12,058	11,672	13,121	15,793

Sponsored Instruction & Outreach/Faculty

UMB's sponsored activity in Instruction and Public Service continues to grow rapidly. In FY03, we reached an average of \$41,495 per faculty member. This is a 138% increase since FY99, reflecting our commitment to training, education and public service.

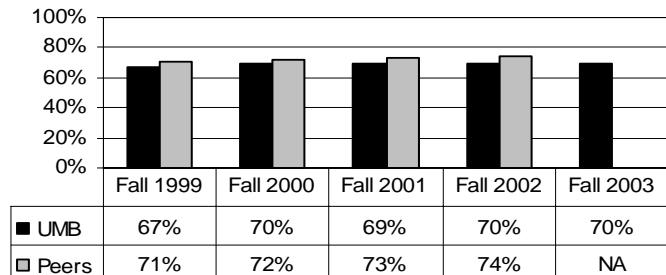
Financial information to calculate this measurement for our peers is not available because of the new GASB standards for financial reporting.



STUDENT SUCCESS AND SATISFACTION

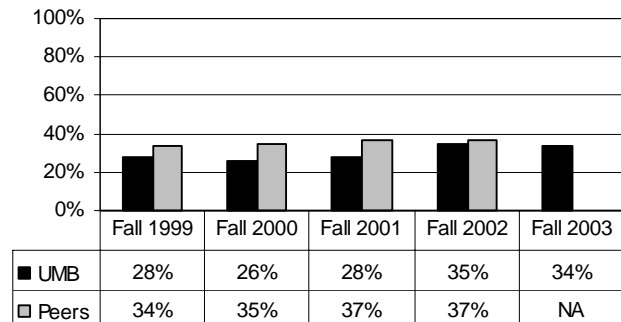
Freshman One-Year Retention Rate

The one year retention rate for freshmen has been relatively stable over the last five years. It remains lower than our peer average. Changes in our undergraduate curriculum will increase retention by creating learning communities. The opening of the campus center this year is expected to influence retention favorably in the future. The lack of residence halls continues to be a challenge to the university. Retention rates have remained relatively stable despite increases in costs.



Freshman Six-Year Graduation Rate

The 1997 cohort (reported as Fall 2003) retention rate was 34%, a very slight decline. The six year graduation rate of freshmen is lower than that of our peers and has not shown consistent increases. We anticipate for classes entering now, the opening of the campus center will have a long-term positive effect on graduation rates. Ongoing efforts to improve retention will also positively impact the graduation rate over time. Graduation rates, of necessity, reflect cohort histories and not the future.



Transfer One-Year Retention Rate

This shows the one year retention rate of all full-time transfer students, however many credits they are transferring into UMB. The rates cannot be compared nationally as no such data are available. Retention rates increased this year spite of increases in costs.

	Fall 1999	Fall 2000	Fall 2001	Fall 2002	Fall 2003
Percent	72%	68%	68%	66%	71%

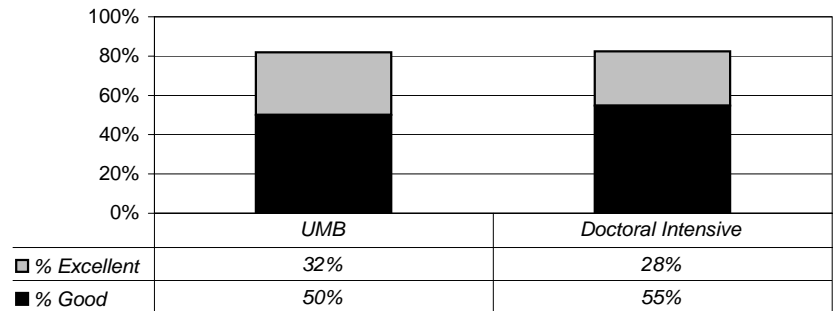
Transfer Four Year Graduation Rate

The four year transfer graduation rate rose to 69% in Fall 2003. There are no peer comparisons available for this indicator as these statistics are not collected nationally.

	Fall 1999	Fall 2000	Fall 2001	Fall 2002	Fall 2003
Percent	62%	66%	67%	66%	69%

% Seniors Rating Educational Experience "Good" or "Excellent"

Over 82% of the UMB seniors responding to the National Survey of Student Engagement rated their experience here as "good" or "excellent". This compares very favorably with the 82% of seniors at all responding Doctoral Intensive institutions who rated their experience similarly.



% graduates "satisfied or very satisfied" with quality of education

Alumni Survey: *The President's Office Alumni Survey* **2002**
 Overall, how satisfied are you with the quality of the undergraduate education you received at UMass Boston? 97%

% graduates "satisfied or very satisfied" with preparation for career/further education

Alumni Survey **2002**
 How satisfied are you with the way UMass Boston prepared you for your current, or most recent, job? 88%
 How satisfied are you with the way UMass Boston prepared you for pursuing any further education? 91%

% Undergraduates satisfied with their major

Alumni Survey **2002**
 Overall, how satisfied are you with the quality of your specific undergraduate major at UMass Boston? 97%

Number of students enrolled in for-credit internships

	Fall 1999	Fall 2000	Fall 2001	Fall 2002	Fall 2003
UMB	175	192	166	191	658

In spring 2003 the campus successfully instituted a centralized data collection system for tracking information regarding the number of students enrolled in for-credit internships. This system replaced the former decentralized one that captured only the information listed specifically under the designation "internship." It did not track information on internships that are integrated into the curriculum of majors.

ACCESS AND AFFORDABILITY

% Undergraduate ALANA Students

Two fifths of all undergraduates at UMB are students of color, while only one fifth of the population of the area from which we draw (Mass portion of the PMSA, Census 2000) are persons of color.

UMB continues to be the most diverse public university with over 2,500 undergraduates in New England.

	Fall 1999	Fall 2000	Fall 2001	Fall 2002	Fall 2003
Number	2781	2699	2773	2655	2608
Percent	38%	38%	39%	39%	40%
Comp. %	NA	20%	NA	NA	NA

% First Generation College Students

Question: *Did either of your parents receive a bachelor's degree?* 2002 **2003**

Alumni Survey: % reporting that neither of their parents had received a Bachelors degree. 64%
 NSSE 2002: % reporting that neither of their parents had received a Bachelors degree. 56%
 CIRP 2003: % reporting neither of their parents had received a Bachelors degree. 52%

% Undergraduates who Speak English as a Second Language

Three recent surveys contain data on the percentage of students who speak a language other than English at home

Retention Study 2002 Fall 2000 First Time Full Time Freshmen
Graduating Senior Survey, August 2002, May 2003
FullTime, First Time Freshmen Survey 2003 CIRP: Is English your native language? 35% indicated No

2002	2003
42%	
39%	37%
	35%

% Undergraduate Students from Massachusetts

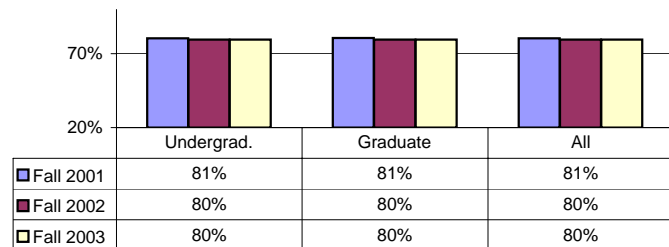
UMB serves primarily undergraduate students from Massachusetts. Although we have consistently attracted international and out-of-state students, in Fall 2003 9% of our undergraduates students were international or out-of-state students.

	Fall 1999	Fall 2000	Fall 2001	Fall 2002	Fall 2003
Number	8854	8528	8,711	8,217	7,975
Percent	90%	89%	90%	90%	91%

SERVICE TO THE COMMONWEALTH

% Graduates Who Live in Massachusetts

The majority (80%) of the undergraduate and graduate alumni of UMB stay, work, and pay taxes in Massachusetts.



Rate of Growth in Distance Education Enrollments

Enrollments have grown significantly from the first offerings of online instruction in Fall 2000.

AY04 figures not include Summer 2004 activity. The estimated summer 2004 enrollment is 897.



Enrollments in Distance/Online Courses

Online course enrollment has grown very rapidly over the last four years. The enrollments for AY04 do not include the summer 2004 activity - which is estimated at 897 students, giving an annual growth rate estimate of 61%

	AY01	AY02	AY03	AY04 to date
UMB	268	914	1631	1733
Annual Rate of Growth	1st year	241%	78%	6%

FINANCIAL HEALTH

Operating Margin

Changes in GASB accounting standards now require the recording of depreciation. This has had a dramatic effect on the FY03 figures. The FY03 Operating Margin under FY02 accounting standards would have been 3.58%. Additional factors also contributed to the small operation deficit - reductions in state appropriations, increases to interest on indebtedness because of increasing debt service and a small decline in enrollment.

	FY 2002	FY 2003
UMB	-5.35%	-4.55%
Peers Average	-5.43%	-4.01%

The FY04 Operations margin shows improvement and is close to the peer average.

Financial Cushion

The Boston campus had extraordinary growth in financial cushion from FY98 through FY01. In FY02 & FY03 we experienced the reality of the state fiscal crisis. We were fortunate to have prudently accumulated financial cushion in the prior years. This financial cushion, while decreased somewhat in FY02, is still quite respectable. We find ourselves challenged when compared to our peers on the basis of financial cushion, as all of our peer institutions are more mature than UMass Boston, and several are aspirant peers.

	FY 2002	FY 2003
UMB	4.48%	3.68%
Peers Average	7.10%	10.71%

The FY2003 peer average was 10.71%.

Debt Service to Operations

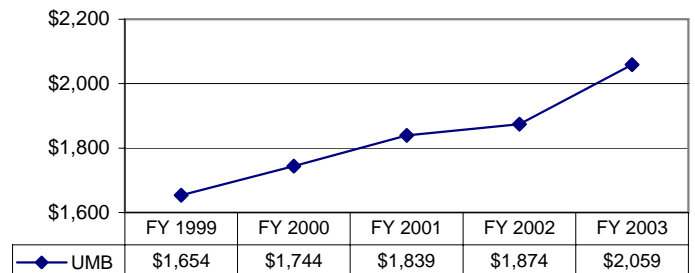
The debt service ratio shows a planned increase over FY02 due to UMB's aggressive capital plan and continuing investment in the infrastructure for science, technology and research. The debt service includes the new Campus Center, campus energy conservation, continuing scientific equipment needs, the Peoplesoft project developmental costs, campus rewiring and a number of deferred maintenance projects.

	FY 2002	FY 2003
UMB	2.17%	4.58%
Peer Average	3.08%	3.57%

Endowment Per Student

The endowment balance continued to increase in FY03, showing a larger growth than in the previous two years. This reflects both Development office initiatives and a small increase in earnings.

Peer data are not available for this measure.



	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Total in Millions	\$16,915	\$18,304	\$18,755	\$19,255	\$20,491

Annual growth in endowment

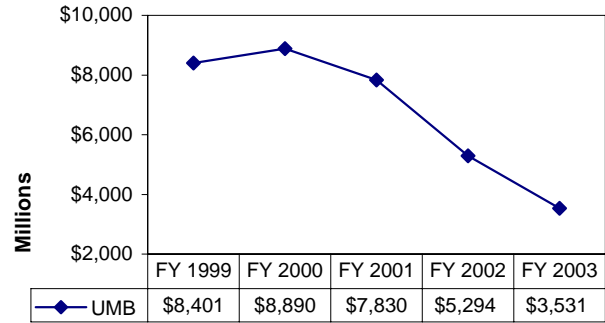
FY 2003 rate of endowment growth marked an upswing from the previous year, mirroring national trends. It is expected with the revitalization of our Advancement Office and the aggressive fund raising initiatives planned, we should achieve strong future endowment growth.

	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Number	\$2,567,408	\$1,388,953	\$451,015	\$499,711	\$1,235,916
Percent	18%	8%	2%	3%	6%

Private Funds Raised Annually

Private fund raising was extraordinarily successful in the years 1996-2001 resulting from the first ever capital campaign. As anticipated, this slowed down after 2001 marking "the downside of the curve" after the previous five years.

We anticipate that the current reorganization of the Advancement office and strong planning for future activities will increase our private fundraising.



Age of Facilities indicator(s)

The Age of Facilities for UMass Boston will be reduced in FY04 for the addition of capitalizable costs for improvements, and again in FY05 by the impact of the new campus center.

	FY2002	FY2003
UMB	11.53	11.78
Peers	11.95	13.16

DEFINITIONS AND SOURCES

ACADEMIC QUALITY INDICATORS

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

SAT scores of freshmen. 25th, 75th percentiles and mean SAT scores of all first-year students. Peer data are from US News.

Average GPA of entering transfer students. Cumulative GPA for college level courses transferred to UMB according to admissions policy.

Licensure and certification test pass rates. Pass rate on Massachusetts Teacher Certification Test. Pass rate on National Council Licensure Examination for Registered Nurses.

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

Sponsored instruction & outreach per faculty. Restricted expenditures for instruction (e.g., training grants) and service per financial statements, divided by total tenure system faculty as reported to IPEDS. Peer data are from financial statements and IPEDS.

STUDENT SUCCESS AND SATISFACTION INDICATORS

Freshman one-year retention rate. Percent of first-time, full-time freshmen who entered in previous fall and were still enrolled as of the next fall. Peer data are from U.S. News and represent 4-year averages.

Freshman six-year graduation rate. Percent of first-time, full-time freshmen who entered in a given fall and had graduated within six years. Peer data are from US News and represent 4-year averages.

Transfer one-year retention rate. Percent of full-time transfer students at any level who entered in

the prior fall and were still enrolled or graduated as of the next fall.

Transfer four-year graduation rate. Percent of full-time upper division transfers (60+ credits) who entered in a given fall and had graduated within four years.

Percent seniors rating educational experience “good” or “excellent.” Percent of seniors who responded “good” or “excellent” to the question, “How would you evaluate your entire educational experience at this institution?” on the National Survey of Student Engagement administered in Spring 2002. Peer data are from NSSE.

Percent graduates “Satisfied” Or “Very Satisfied” with quality of education. Percent of graduates who responded “satisfied” or “very satisfied” to the question, “Overall how satisfied are you with the quality of the undergraduate education you received at UMass Boston?” on the Alumni Survey of 1997-98 graduates in 2002.

Percent graduates “Satisfied” or “Very Satisfied” with preparation for career/further education. Percent of graduates who responded “satisfied” or “very satisfied” to the questions, “How satisfied are you with the way UMass Boston prepared you for your current, or most recent, job?” “How satisfied are you with the way UMass Boston prepared you for pursuing any further education?” on the Alumni Survey of 1997-98 graduates in 2002.

Percent undergraduates satisfied with their major. Percent of undergraduates who responded “satisfied” to the question, “Overall, how satisfied are you with the quality of your specific undergraduate major at UMass Boston?” on the Alumni Survey of 1997-98 graduates in 2002.

Number of students enrolled in for-credit internships. Data from annual reports of the Cooperative Education Office at UMB, College of Public and Community Service, College of Management; Career and Alumni Programs, and the University Advising Center.

DEFINITIONS AND SOURCES

ACCESS AND AFFORDABILITY INDICATORS

Percentage of undergraduate ALANA students.

Undergraduates who are African-American, Hispanic/Latino, Asian and/or Native American, divided by total undergraduate U.S. citizens and permanent residents who report race/ethnicity. Data from Census 2000 for the Massachusetts portion of the Boston-MA-NH PMSA are used for comparison.

Percent of first generation college students. Data are from the Spring 2002 National Survey of Student Engagement.

Percent undergraduates who speak English as a second language. Data are from the Retention Study 2002 and the Graduating Senior Survey.

Percentage of undergraduate students from Massachusetts. Percentage of undergraduate "day" students from in-state as determined by tuition residency classification.

SERVICE TO THE COMMONWEALTH INDICATORS

Percent of graduates who live in Massachusetts. Percentage of total undergraduate and graduate degree recipients who currently reside in Massachusetts based on alumni records.

Rate of growth in distance education enrollments. Percentage rate of growth in annual online course registrations between AY2001 and AY2003. Does not represent headcount enrollments.

Year to date enrollments in online courses. The Division of Corporate, Distance and Continuing Education began offering online Education courses in Fall 2000. Count represents course registrations, not headcount enrollments, during a given academic year (Fall-Summer).

FINANCIAL HEALTH INDICATORS

Operating margin. Operating surplus as a percentage of total operating revenue, plus state appropriations, plus gifts. Peer data from published financial statements.

Financial cushion. Unrestricted net assets as a percentage of total operating expenditures. Peer data are from published financial statements.

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

Endowment per student. Total UMass Boston endowments per annualized FTE student, where FTE of peer institutions is standardized to UMass formula. Peer data are from IPEDS.

Annual growth in endowment. Annual growth in total UMass Boston endowment balance.

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.

Age of facilities indicator(s). Age of facilities ratio calculates the relative age of plant in years. Age of facilities is determined by dividing accumulated depreciation by the annual depreciation.

PEER INSTITUTIONS FOR UMASS BOSTON

University of Illinois at Chicago
 Old Dominion University
 Georgia State University
 University of Memphis
 University of Missouri-St Louis
 Cleveland State University
 Portland State University
 CUNY-Queens
 CUNY-Brooklyn
 George Mason University



UNIVERSITY OF MASSACHUSETTS
Amherst • Boston • Dartmouth • Lowell • Worcester

University of Massachusetts Dartmouth

2004 Report on Annual Indicators *University Performance Measurement System*



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University of Massachusetts Lowell

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University of Massachusetts Worcester

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