



**ANNUAL  
REPORT  
2006-2007**



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## The University of Massachusetts Annual Report

The University of Massachusetts Annual Report is designed to provide key stakeholders with full information about the University of Massachusetts. It gives our trustees, our state officials, alumni and current students, faculty and staff a ready reference point to understand their University. This year, as most years, has been a period of many challenges but also of great accomplishments.

The issues and opportunities we face are not very different from those faced by many other higher education institutions or many large organizations. Our ultimate success will reflect our strategic plans and activities that effectively respond to challenges and opportunities. This report provides a picture of what we are doing to make the University a world class institution.

The information provided in the report ranges from student profile data to financial condition to student success and faculty performance. The data clearly show that the University is on the move and reaching new heights of performance and stability. Our goals of serving students, conducting world class research and providing service to both the Commonwealth and the world are all reflected in this information. Additionally, our willingness to assess ourselves on a continuing basis is set out in this report and is a hallmark of a well-managed institution.

The past year has been an exciting time for the University of Massachusetts. We are a Nobel Prize-winning University, with the selection of Craig C. Mello, PhD, as a co-recipient of the 2006 Nobel Prize for Physiology or Medicine, along with his colleague Andrew Z. Fire, PhD, of Stanford University. They were recognized by the Nobel Committee for their discoveries related to RNA interference that could potentially pave the way to providing new treatments and possible cures for some of the most intractable diseases, such as diabetes, ALS, HIV/AIDS and even cancer.

We also surpassed the \$400 million mark in sponsored research during the last fiscal year, a milestone for the University. In addition, our income from technology licensing grew to more than \$27 million in FY06, with more than \$35 million expected in 2007.

The Governor of Massachusetts, Deval Patrick, announced a \$1 billion Life Sciences initiative in May at the BIO2007 Conference held in Boston, with a Massachusetts Stem Cell Bank at the University of Massachusetts Medical School and potentially \$100 million in funding for the bank and related initiatives that will involve the collaboration of researchers at all five of our campuses.

In another key measure of success, applications have continued to increase across the four campuses with undergraduate programs, with recent reports indicating a 26 percent increase in applications this year for our flagship campus in Amherst which received 28,000 applications for 4,000 seats next fall. Across the system, student demand for a University of Massachusetts education is growing every year.

In the Advancement area, our endowment has surpassed the \$300 million mark and we have more than 1,500 donor-established endowment funds.

In recent months, we have recruited new leadership at our Boston, Lowell and Worcester campuses and are committed to building on the success that has been achieved at all three campuses. We are in the midst of a massive capital effort with our partners in state government and the University of Massachusetts Building Authority, with a \$2.3 billion, five-year capital plan having been approved by our Board of Trustees last August that includes new construction and renovation of facilities throughout the University system.

Our economic profile as a major contributor to the state's economy was recognized in a study that showed the University's more than \$4 billion annual economic impact on the state. State support for the University was

approximately \$524 million last year and our annual operating budget is more than \$2 billion. The study demonstrated that for every dollar invested in the University of Massachusetts by the state government, the commonwealth receives an \$8 return on that investment. This positive economic impact has been applauded by many sectors of the business and public community, particularly in news stories and newspaper editorials.

The University has also been a leader in meeting student need for financial aid. Last year we met 89 percent of student financial need, providing students with about \$402 million in financial aid, with about \$72 million in aid coming directly from the University. That percentage is above both our regional and national peers. Currently, the total in-state cost of enrolling at the University of Massachusetts is about \$17,000 per year in Amherst, Lowell and Dartmouth and about \$9,000 at UMass Boston, a commuter campus – a great deal when compared with other private and public colleges and universities.

Strong and well-planned initiatives in the international arena have had the dual benefit of enhancing our academic and research agenda and making a contribution to the broader world community. Special programs in China, South Africa, Germany, Liberia and Portugal are examples of this expanding effort.

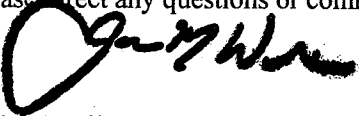
For example, last November we launched the first Confucius Institute in New England, in collaboration with Hanban, China's Ministry of Education. This system-wide, non-profit public institute is located at our Boston campus and will help to promote the teaching and understanding of the Chinese language and culture and support Chinese language education in Massachusetts. The institute will also assist Massachusetts entrepreneurs who want to provide goods and services to customers in China. To help facilitate these efforts and student and faculty exchange programs between our campuses and those of our partners in China, we also opened a UMass office in Beijing. In addition, doctors and nurses from the Medical School in Worcester continue their work in South Africa with the University of Cape Town to prevent transmission of HIV/AIDS from mothers to infants. Last month, I signed a Memorandum of Understanding with the president of the University of Liberia that calls for University of Massachusetts medical personnel to assist that university in rebuilding its medical school and nursing programs after suffering the devastating effects of a prolonged civil war.

This report includes :

- Campus annual updates on addressing Board of Trustees' Priorities
- Report on Annual Indicators
- UMass Dashboard
- FACTS Brochure
- Annual Financial Report
- Financial Indicator Report
- Student profile
- Financial Aid Report
- Annual Research & Development Expenditure Report
- UMass On-Line Report

Thanks to all those who have contributed to this comprehensive report.

Please direct any questions or comments to my office.



Jack M. Wilson  
President  
University of Massachusetts

## **University of Massachusetts – Amherst 2006-07 Annual Report**

Included below are a number of examples of how the Amherst campus addresses the Trustees' priorities at the highest level and in the broadest sense. In its day-to-day operations, the campus engages these priorities at many levels and in greater detail as has been reported in the campus updates for each of the recent meetings of the Trustees. Further information on any of the items below or those that have been previously reported can readily be made available.

### **Enhance the Student Learning Experience**

Student Affairs and Campus Life has developed *The First Year Experience Program* to provide resources, support, and engagement to enhance the learning experience of all first year students by creating the most optimal environment for academic and personal success. A year-long, structured, residentially-based program, *The First Year Experience* is designed to smooth the first year transition to our university, and engender connections to the campus and pride in the community. This model provides first year students with quality academic advising, well planned course registration, peer tutors and advisors, an interactive summer orientation program, academic theme-based residence halls, community and social development, internships and co-ops as well as leadership and career guidance. Specific residence halls are designated as "first year halls," and are defined by a common interest theme. For Fall 2007, students may choose from residential themes that include "Global Perspectives," "Enterprise and Action," "Pop Culture," "Writing and Literature," "Science and Discovery," and "Society and Leadership."

The campus expanded its formal mechanisms to assess and improve undergraduate education in several ways. We refined our "early identification" model for putting students with particular academic needs in touch with appropriate advisors, and began work on a "mid-semester report card" to identify students who run into academic difficulty early in the semester. We integrated information from student course evaluations, our exit survey of graduating seniors, and our participation in the National Survey of Student Engagement (NSSE) into an "instructional benchmarking" tool that helps identify programs in which closer examination of instructional quality is desirable. In December of 2006 the Provost convened the first campus-wide workshop on student outcomes assessment, highlighting the achievements of individual departments and outlining a framework for systematic assessment of learning outcomes in any department. Instructional benchmarking and outcomes assessment planning have been incorporated into the comprehensive Academic Quality Assessment and Development (AQAD) program reviews involving all academic departments.

The UMass Amherst Learning Commons opened in fall 2005, and proved to be a resounding success during its first full year of operation in 2006. The Learning Commons was created by transforming the Lower Level of the W.E.B. Du Bois library and bringing together individual and group study space, library services, information technology support, and advising, career, and learning support services in an environment that fosters informal, collaborative work and social interaction. Within its first few months of operation, the Learning Commons had tripled student visits to the Library, and 75% of students reported that their library visits typically involved time in the Learning Commons. The Learning Commons now covers more than 25,000 square feet, and is open and staffed 24 hours a day, five days a week.

### **Strengthen the University's Research and Development Enterprise**

As the campus's 250-Plan expands its ranks of faculty, many of whom will become productive researchers, the Office of Research has been allotted six additional staff positions to maintain a high quality of service to the campus research community. Split evenly across the Office's three units of Research Affairs, Commercial Ventures & Intellectual Property, and Research Liaison & Development, these valuable team members will expand our ability to better serve the proposal development and

submission processes for the campus, broaden CVIP's reach across campus, and expand the capacity for sponsored activity via enhanced academic liaison and international relations.

The infrastructure that supports research, beyond staff, has also taken steps to improve its efficiency and effectiveness. In response to an expansion of researchers using animals and to insure federal compliance, the campus initiated planning and design for a major renovation to its animal care facilities. An electronic protocol management system for animal and human use protocols was purchased. Implementation of the new system, will increase compliance rates and reduce unnecessary penalties given the current environment of tighter regulations and more frequent inspections. Also, the volatile Grants.Gov transition is being deftly managed by developing and supporting enhanced system to system capabilities. And, to reduce audit risks and exposure, the campus has aligned its practices related to additional compensation with our peers' best practices.

The campus is experiencing a dramatic increase in the number of Invention Disclosures and Patent Applications. By December 2006, the campus had already exceeded its FY06 figures. One reason for this positive trend might be the initiation of the new Patent Award Program, recognizing both past and present Amherst inventors. Another might be the two local intellectual property law firms the campus has retained to make the patent application process less intimidating and more personal for inventors. The campus is also on the verge of announcing a spin-off company in renewable energy.

Industry-sponsored awards are expected to surpass FY06 figures. Collaborative Research Agreements were established with Kodak, Bausch & Lomb and Raytheon while relationships with Intel, Microsoft and IBM continue to be developed; these efforts bring strategically important research partners to campus. The Intellectual Property Licensing Procedure was also revised, permitting broader consideration of non-financial metrics in valuing industry partnerships. And, a new campus-wide Industry Liaison Network was formed for industry program managers, faculty, and staff involved in industry relations.

### **Maintain and Improve Affordability and Access**

The Office of Admissions recorded a record number of freshmen applications for the Class of 2011. The flagship campus has a 26% increase in applications-28,200. Approximately 62% of the applicants will be offered admission with expected enrollment of 4,200 students in the fall. Students represent 45 different states, 25 countries, have an average admitted SAT score of 1200 (math & verbal) and 3.65 weighted grade point average on a 4.0 scale. The applicants come from 1,817 different high schools and nineteen (19) students scored a perfect 1600 on their SAT.

The Amherst campus has increased need based financial aid by \$2.6 million for the 2007-08 academic year. The increase in institutional aid coupled with increased federal funding for the Pell and Direct Loan programs will enable the campus to meet approximately 90% of our high need students aid.

### **Develop a Leadership Role in Public Service**

UMass Extension directly reached over 200,000 adults and youth in the Commonwealth with educational programs, and information. Extension also engaged in a detailed "stakeholder" listening process as it developed a strategic plan focused on faculty engagement in public issues.

### **Continue a Focus on Diversity and Positive Climate**

The campus continues to see success in its efforts to attract a diverse student body. In recent years ALANA enrollment among entering first-year students has been in the 17%-18% range, but that proportion grew to 21% for the class entering in fall, 2006.

The ALANA percentages of pre- and post-tenure faculty are at all time highs. In 2006-07 ALANA representation among all tenure system faculty had risen to 18%, up from 14% four years earlier. This

growth was driven by very strong diversity in recent faculty hiring - ALANA representation among faculty at the pre-tenure stage has now reached 27%. The Provost has put into place a more vigorous recruitment and hiring process to enhance the diversity of applicant pools and search outcomes for tenure track faculty hires. These efforts appear to be paying off - about one third of hires last year were members of minority groups, more than 40% were women, and two thirds of hires were minorities and/or women.

This year, with 55 of the 80 (about 70%) tenure track searches having reached the stage of offers that have either been accepted or are under negotiation, the following is the case: 31 of the 55 prospective hires (or 56%) are women; 23 of the 55 prospective hires (or 42%) are diverse. Finally, if the 10 senior rank searches are omitted, 28 of 45 (or 62%) of the prospective hires are women, and 22 of 45 or 49% are diverse. The proportions may decrease as more searches are completed; however, results are running well ahead of where we were last year at this time.

Under the leadership of Byron Bullock, associate vice chancellor for Student Affairs and Campus Life, The Center for Student Development presents our students with co-curricular opportunities for experiential learning. Through active participation and development in a wide range of events and programming, students learn critical thinking, analytical, problem solving, time management, organization and leadership skills while expanding their view of humanity and the world we all share.

### **Increase the Endowment**

The campus continues to work with its UMass Amherst Foundation board to stay on track with meeting its fundraising goals including those of its comprehensive campaign. In addition, the campus has worked with the system on the implementation of the new quasi-endowment policy.

### **Renew the Faculty**

The centerpiece of this activity is the Amherst 250 plan, which calls for new state investment sufficient to achieve a net increase of 250 in the size of the regular faculty. This will bring the size of the faculty back to roughly what it was before two successive rounds of state budget reductions, and will bring the campus closer to the critical mass of faculty necessary for competitive success in research and scholarship, and better able to respond to student instructional demands.

The first round of Amherst 250 allocations were made in the fall of 2005. State allocations did not include funding for faculty renewal in addition to other campus needs, but the campus made the decision to dedicate almost all of the increase in state funds received to the launch of the Amherst 250 plan. Nearly fifty positions were allocated, and the plan focused the campus's attention on the task of rebalancing the faculty to meet our most pressing research and instructional needs.

It was hoped to continue timely implementation of the plan in calendar 2006. While the campus did receive an increase in its state appropriation, again there was no special recognition of the level of resources necessary to grow the faculty while still responding to routine cost increases and other needs. The pressing facilities needs facing the campus made it impossible to devote the entire state appropriation increase to faculty renewal for a second year, and the greater portion of the increase in state funding was devoted to debt service to support \$50 million in urgent safety and building infrastructure improvements. Some funding was devoted to continuation of the Amherst 250 Plan, and an additional 26 allocations were made, about half the rate necessary to keep the plan on track. Later in 2006 a supplemental state appropriation for deferred maintenance relieved some of the pressure on the campus to fund urgent safety and infrastructure improvements from its operating budget, and funds for another 19 positions were released. All told, 93 positions were funded in the first two years of the Amherst 250 plan, with support coming entirely from the regular campus operating budget.

All faculty allocations under the Amherst 250 plan have been guided by analysis of where new positions can have the greatest possible impact. An instructional allocation model uses national comparative data to identify areas of greatest instructional need, and discipline-specific comparative research benchmarking helps direct resources to competitive programs.

### **Develop First-Rate Infrastructure**

The campus's achievements in energy efficiency, green purchasing and sustainability were recognized with a Massachusetts Environmental Purchasing and Sustainability Award in a ceremony at the statehouse presided over by Thomas H. Trimarco, secretary of the Executive Office for Administration and Finance. The annual award recognizes outstanding efforts in purchasing environmentally preferable products and other sustainable practices by public sector entities and businesses. The campus was recognized for water conservation initiatives, purchasing programs for locally grown produce and seafood from sustainable sources, and environmentally friendly cleaning practices.

The campus continues to build on conservation measures to improve energy consumption. One of the major accomplishments this year is holding the steam load constant, despite a 3.5% increase in space, as a result of a \$750,000 investment in steam line repairs.

The campus developed and financed internally a \$50 million set of investments targeted at strengthening basic building services, including mechanical, electrical, and plumbing systems. This is in addition to the already planned \$710 million for the capital plan. The investments focus on buildings in which new faculty appointments will be housed, enabling more rapid and less costly retrofit of research and instructional laboratories.

UMass Amherst conducted an extensive study of deferred infrastructure needs, publishing an assessment upon which future planning will be based.

### **Improve the Delivery of Administrative and IT Services**

Upgraded Student Information System to Oracle/PeopleSoft 8.9. Upgraded learning management system to Blackboard/WebCT Vista 4.0. Continued deployment of wireless networking across campus. Learning Commons completed first full year of operation. Investment of nearly \$2.0M in instructional technology in classrooms. Lit first segments of Five College network, a 43+ mile fiber optic network owned by Five Colleges and operated by UMass Amherst. Starting in Undergraduate Admissions, document imaging being installed to serve a number of administrative units. NEREN (Northeast Research and Education Network, of which UMass Amherst is a founding member) regional ring converted to higher capacity with DWDM (dense wave division multiplexing). With completion of second ISP connection in Springfield, UMass Amherst connection to internet and Internet2 is nearly completely redundant and operating at rates approaching 1 Gigabit per second.

### **Position the University Effectively in the Higher Education Marketplace**

The newly designed Berkshire Dining Commons opened after renovations lasting 9 months and costing \$13 million. This state of the art dining commons is a beautiful facility allowing flexibility at each station to seamlessly integrate various food and food delivery concepts. This facility has received the highest accolades from students and staff not only on the quality of the environment, but as importantly on the quality and diversity of the food.

The award-winning UMass Amherst Dining Services (3<sup>rd</sup> largest in the nation) manages one of the most comprehensive food service programs in the nation. Last year, UMA Dining received two national awards for an outstanding program: one for dining services and one for nutrition. These awards join the five other consecutive national dining awards from National Association of College and University Food Services (NACUFS) the residential dining program has received since 2000, including the Grand Prize in

2005. Over the last six years, UMA dining hall chefs have combined for a total of nine American Culinary Federation sanctioned culinary medals, including two gold.

In September, new apartment-style housing opened on time for 864 students.



## University of Massachusetts - Boston 2006-07 Annual Report

The University of Massachusetts Boston, founded in 1964, and merged with Boston State College twenty-five years ago, is nationally recognized as a model of excellence for urban universities. A comprehensive, doctoral-granting campus, UMass Boston provides challenging teaching, distinguished research, and extensive service which particularly respond to the academic and economic needs of the state's urban areas and its diverse populations. UMass Boston offers 14 undergraduate certificates, 80 Baccalaureate, 63 Masters and graduate certificates and 14 Doctoral programs.

UMass Boston is one of only 76 U.S. colleges and universities recently selected by the Carnegie Foundation for the Advancement of Teaching to receive their new *Community Engagement Classification*, and one of only 62 to receive dual classification in two areas under review: outreach and partnerships and integrating community engagement into the curriculum. The designation signals national recognition of our commitment to “mutually beneficial exchange of knowledge and resources in a context of partnership and reciprocity” with neighboring locales. It is a fitting distinction for this campus, which views service to area businesses and residents—including research and learning initiatives with a local and urban focus—as a crucial component of its higher education mission.

Guided by the University of Massachusetts Board of Trustees Priorities and the UMass Boston FY03-FY08 Strategic Plan goals of *retention, research and reputation*, the following are highlights of the achievements of UMass Boston for **academic year 2006-2007**:

### **Enhance the Student Learning Experience**

The academic program at UMass Boston has been strengthened by the hiring of 23 new **tenured or tenure-track faculty**, 26% of the new hires are persons of color and 78% are female.

The Provost's Office is leading the **search** for a permanent dean for the College of Science and Math and the Graduate College of Education as well as a Chief Information Officer. The Chancellor's Office is leading a search for a Director of Affirmative Action and Multi-Cultural Relations. We anticipate having a CIO and a Director of Affirmative Action and Multi-Cultural Relations in place by summer 2007. UMass Boston welcomed Stephen Crosby as the founding dean of the John W. McCormack Graduate School of Policy Studies this year. Crosby brings with him nearly 40 years of experience in nonprofit, policy making, and government leadership.

In support of effective **teaching**, technology has been added to 57 classrooms, bringing the total number of “smart” classrooms to 74 of the 98 general purpose classrooms on-campus. This decision to improve our classrooms was made after receiving critical input from faculty and students that these areas had been neglected for too many years. New furnishings have moved most of our classrooms from the “circa 1970s high school look and function” to a more comfortable and effective environment in which to learn. This academic year began having made major improvements in the spaces where our faculty teach and our students learn.

In the area of **graduate studies**, we initiated our new MFA (Master in Fine Arts) program. The uniqueness of this program is that its focus is on the new voices in American literature—diverse and transnational—that only a university located in an urban area with a diverse student body can cultivate. This year we also initiated a PhD program in biology and chemistry as well as an MS in Information Technology.

## Maintain Affordability and Access

All members of the university community consider increasing our **enrollment** as an important university and personal priority. Each College was involved in the development of an enrollment target and the staff of Enrollment Management worked with each dean to recruit and retain quality students.

Enrollments increased from fall 2005 to fall 2006 by 4%. As compared to fall 2005, fall 2006 applications for new freshmen increased by 492 (13%), the number of new freshmen admitted increased by 405 (21%) and 193 (25%) more freshmen enrolled. New transfer enrollment increased by 177 (13%). The average SAT of new freshmen decreased slightly by 13 points to 1058. At the graduate level, applications up 21%, admits up 29%, and new student enrollments up 58%.

UMass Boston's spring 2007 enrollment shows a healthy increase. New student enrollment was at 839, up 10% from the 746 new undergraduates in spring 2006. Overall enrollment is at 12,222, up 11% from 11,015 in spring 2006. Enrollment numbers for CCDE courses also show strong growth over last year, in spring 2006 the total CCDE registration headcount was 2,306. Spring 07 shows an increase of 756 (33%) to 3,062. These figures include all students enrolled in courses through CCDE.

UMass Boston's **pre-collegiate** programs continue to promote access to a diverse group of students:

- 120 students enrolled in Urban Scholars, a seven-week program offering academic classes in the morning and enrichment activities in the afternoon;
- Project REACH enrolled 600 students for five weeks, providing classes and college and career awareness;
- GEAR-UP involved another 30 students who took classes that prepared them for the SAT college board test;
- 425 students were enrolled in our Admissions Guaranteed Program;
- The Upward Bound and Math/Science Upward Bound programs served 160 students;
- 400 students took advantage of the Talented and Gifted Program/ALERTA;
- Camp Shriver, an inclusive summer camp for children with and without intellectual disabilities, provided a day camp opportunity for 65 children, ages 9-12, from Boston, Cambridge and Brockton;
- A transportation institute for young people organized by the Physics Department and Engineering Program attracted 15 students;
- Other opportunities included a special program serving approximately 300 talented and gifted Latino youth from the Boston Public Schools; a journalism seminar for high school students; and a program for approximately 60 Latino Boston Public Schools middle school students.

In addition, 254 students took advantage of the Directions for Student Potential (DSP) program in summer 2006 and 242 graduated into the College of Liberal Arts (a success ratio of 95% compared with an 89% rate in 2005). This free summer program offers remedial skills courses and guaranteed admission to those who complete it successfully. There will be 250 students enrolled in the DSP in summer 2007.

In support of **undergraduate** students from community colleges, and with colleagues from Roxbury and Bunker Hill Community College, UMass Boston developed a pipeline program to assist students of color pursue degrees in biomedical research disciplines. This program, *Bridges-to-the-Baccalaureate*, is the first one in the Boston area funded (approximately \$900,000 over three years) by the Minority Opportunity Research Experiences program of the National Institutes of Health (NIH). Working again with colleagues at these two community colleges, and colleagues at UMass Dartmouth, UMass Lowell and their feeder community colleges, as well as Wentworth College, we were awarded a grant (approximately \$2.3M) from the National Science Foundation (NSF) to support students of color to pursue STEM (Science, Technology, Engineering and Math) baccalaureate degrees. Lastly, UMass Boston was awarded a \$1.8M grant to enhance articulation agreements between UMass Boston and its

feeder community colleges and course-to-course alignments for all degrees. The grant also provided support to develop the capacity to allow for electronic transfer of transcripts from community colleges to UMass Boston. (UMass Boston is the first college or university in Massachusetts to receive electronic transcripts via this method.)

In support of **graduate students**, UMass Boston was awarded a grant (approximately \$600,000 over three years) from the U.S. Department of Education Graduate Assistance in Areas of National Need program to support nursing students pursuing PhD degrees in Nursing. The grant was among the first awarded by the Department in support of nursing. This grant will be used to advance the accelerated PhD Nursing program currently supported by the NIH-funded U-56 program that UMass Boston shares with the Dana-Farber Harvard Cancer Consortium.

86% of UMass Boston students receive **financial aid**. The campus has increased need-based financial aid by 130% since 2003 (\$1.16M in FY03 to \$3.8M in FY07). In the past year, through prudent management, an additional \$800,000 was made available for student financial aid needs. This will continue to be a major need and priority in the years ahead. In addition, the university bore \$2.6M in categorical aid (e.g. graduate assistants, UMass Boston employees, other state employees, and veterans, etc).

### **Continue a Focus on Diversity and Positive Climate**

UMass Boston educates the most diverse student body in New England. The diversity of the student population continues to exceed the population diversity of the region. In fall 2006, 42% of the undergraduate students were United States students of color. Large numbers of UMass Boston students are first-generation college students, 53% of our entering freshmen class for fall 2006. UMass Boston graduates speak over 90 different languages in their homes.

The **Confucius Institute**, which promotes Chinese language and culture and supports local Chinese teaching, was launched last October, during a visit of Chinese dignitaries, with new offices and a new advisory board of UMass faculty and outside experts. The Institute has been working with the different campuses within the system to help support faculty and students who wish to travel to China, in developing plans to promote language instruction in local public schools, in seeking to refine the emerging relationships between the Institute and academic programs on the respective campuses, and in finding ways to advance research about contemporary China. The draft of a constitution and by-laws for the Institute, one patterned after other Confucius institutes (UMass Boston houses the only one in the northeastern United States), is being completed for distribution and discussion by the respective campuses.

UMass Boston has enrolled 28 students from our partnership **Bridge University Preparation Program** with Tsinghua University, China. The students spend one year in the Tsinghua Bridge Program. They are improving their English and learning about the United States education system. There are currently 86 students in the next cohort at Tsinghua, who are preparing to apply to UMass Boston in spring 2007 for admission in fall 2007.

UMass Boston devotes a high proportion of research and public service activities to the cultural, social and economic development of the Commonwealth of Massachusetts and the global community. There are currently 7 centers and institutes studying the national, regional and local influence and impact of ethnic, racial, gender and cultural diversity issues. Research projects and reports from the following centers and institutes were frequently referenced or quoted in various media throughout the past year:

- Institute for Asian American Studies
- Center for Social Development and Education
- Gaston Institute for Latino Community Development and Public Policy
- Institute for Community Inclusion

- Joiner Center for the Study of War and Social Consequences
- Trotter Institute for the Study of Black Culture
- Center for Women in Politics and Public Policy

In collaboration with the Massachusetts Commission on Indian Affairs and with Native American tribal leaders, and with support of a grant from the Kellogg Foundation, UMass Boston will undertake to develop a plan for the creation of an Institute for New England Native Americans. The proposed institute will serve as a resource clearing house on New England tribes for educators and for students concerned about Native American issues.

### **Strengthen Research Enterprise**

As of the third quarter in FY07, UMass Boston was awarded \$37,800,225 in extramural support, or \$7,086,881 more than the FY06 award total through the end of the third quarter. In fact, the FY07 award total through the end of the third quarter is 98% of the award total for all of FY06. UMass Boston is close to achieving and perhaps exceeding the stated goal of \$50 million in research grants and sponsored program awards by the end of FY08.

UMass Boston seeks to excel in both pure and applied research that advances knowledge and creates a better society for all. Research efforts continue in the physical sciences, the humanities and interdisciplinary areas as identified in the 2008 strategic plan. Improvements in the research infrastructure of the campus and establishing large-scale, multidisciplinary research partnerships with businesses, nonprofits, governments and other institutions were again a focus of efforts in academic year 2006-2007. A few examples of these efforts follow:

- The Office of the Vice Provost for Research published *The University of Massachusetts Boston FY2006 Annual Report on Research and Sponsored Programs*, the first of its kind publication on this campus. The Office of Research and Sponsored Programs (ORSP) also has initiated implementation of an innovative distributed research administration model, a hallmark of the most successful research institutions. The first two departmental research administrators (DRAs) have been hired, one assigned to the College of Liberal Arts and one assigned to the Institute for Community Inclusion. These individuals will serve as dedicated grant administration support for their assigned units. While members of the ORSP staff and reporting directly to the ORSP director, these administrators will be located in a college or institute and work closely with the unit faculty and staff to facilitate and expedite pre-award and post-award grant services. The search for a third DRA, to be assigned to the College of Nursing and Health Sciences, is underway.
- UMass Boston was awarded \$5 million in state support under the Economic Stimulus II legislation for the design, construction and development of a Venture Development Center (VDC), a state of the art research and business development center offering specialized core research and development facilities for collaborations with businesses and other research institutions to develop methods and technologies that can be translated into new commercial services and products. To be located in the former Wheatley Building cafeteria, the VDC will build the university's intellectual capital by attracting and leveraging resources and expertise, helping to transform UMass Boston into a nationally prominent urban research institution that enriches the lives of all members of our community. VDC services will proactively focus on initiatives in a small number of research collaboration clusters that will enable faculty members to translate new ideas into successful and innovative ventures. Conversations are underway with various stakeholder groups (e.g., faculty and staff members from each college, research institute directors, business and industry leaders, government officials) to identify potential research collaboration clusters that will focus on the strategic research priorities of the university, the interests and expertise of faculty members, and entrepreneurial opportunities as they emerge in

the future. The UMass Building Authority is in the process of selecting an architectural firm to provide architectural and associated engineering services for the design and construction phases of the Venture Development Center. The VDC will permit UMass Boston to dramatically accelerate research initiatives, technology transfer, and business development initiatives with industry in Greater Boston. The project completion date is September 2008.

- The Institute for Community Inclusion (ICI) within the Division of General Pediatrics at Children’s Hospital and located at the University of Massachusetts Boston, formally and publicly, in October 2006, announced an exciting five-year project called “Opening Doors for Children and Youth with Disabilities and Special Health Care Needs: A Rehabilitation Research and Training Center.” The project, funded by the National Institute on Disability and Rehabilitation Research (NIDRR) of the U.S. Department of Education is the only center of its type in the country. The Opening Doors Project will research the educational, recreational, and early health screening strategies that seek to improve the lives of all children and youth with disabilities and medical conditions. The partnership will seek to create research projects that include the needs of all families and address the needs of the diversity of communities residing in the Boston area. The partnership will work closely with experts from both community and faith-based organizations. The Rehabilitation Research and Training Center (located in the Quinn building at UMass Boston) brings together experts in pediatrics, education, nursing, disability issues, public policy, family advocacy, and rehabilitation from:
  - Institute for Community Inclusion
  - Children's Hospital Boston
  - University of Massachusetts Boston
  - Martha Eliot Health Center
  - Roxbury YMCA
  - Massachusetts Consortium for Children with Special Health Care Needs
  - Parent Advocacy Coalition for Educational Rights (Minnesota)

Over the next five years, the project will pursue a series of research and training activities aimed at three major concerns that affect children and youth with disabilities and chronic medical needs:

- Early identification of developmental and physical disabilities for ages birth to 8;
  - Recreation and fitness opportunities in the community for ages 8 to 16;
  - Transition to adulthood (with appropriate educational, rehabilitative, and medical services) for ages 16 to 22.
- An interdisciplinary team of scientists at UMass Boston was awarded \$150,000 of funding from UMass President Jack Wilson’s Science and Technology grant competition, matched with \$150,000 of campus funds, to establish an innovative Center for Coastal Environmental Sensor Networks (CESN) that will bring together university researchers, Massachusetts business and industry leaders, and state and federal decision-makers to provide an integrated framework for developing environmental sensor networks, especially in coastal areas. This research center will allow partners to develop and test new environmental sensors and transfer them to commercial markets, develop sensor networks for observing complex interactions of coastal systems, develop discrete and agent-based models to rapidly analyze and visualize complex and non-continuous data streams, and support environmental decision-making processes. CESN is unique in its development of underwater sensor networks that cross the land-water interface and in focusing on “smart” networks that can shift attention to objects and events of interest, and in applying networks to urban environments.

## **Increase Endowment**

The Office of University Advancement reports finishing 77% ahead of the previous year's **fundraising** total. In FY06, \$9.8 million was raised from all private sources versus \$5.6 million raised in FY05. The university improved its alumni participation rate 25% in FY06 to 7.4%, up from 6.0% in FY05. In addition, for only the second time in school history, more than 4,000 alumni donated to the university.

UMass Boston anticipates raising a total of \$11.5 million in FY07 and improving its alumni participation rate to 10%.

Noteworthy among the many contributions in FY07 are:

- The Carolyn and Peter Lynch Foundation awarded the university a grant of \$500,000 in support of nursing education.
- State Street contributed \$33,060 to help launch the "State Street Scholars Program" which provides scholarship funding for low-to-moderate income UMass Boston students.
- The Estate of Bernice H. Siegel '35 contributed \$75,000 to establish an endowed scholarship.
- The Balfour Foundation made a \$100,000 grant in support of the Nursing program's Online RN-BS Program.
- An anonymous donor contributed \$75,312 to the "Parenting Student's Program" which provides financial support to matriculated students, who are parents and whose dependent children reside with them.
- Charles Hoff, former trustee, contributed \$13,996 to the "Charles J. Hoff Scholarship" which supports disadvantaged students from Boston schools attending UMass Boston.
- The Bernard Osher Foundation contributed \$50,000 to establish "The Bernard Osher Foundation Scholarship".
- The Boston Globe contributed \$60,000 to benefit the "Boston Globe Scholars Program".
- An anonymous donation of \$16,000 was made to benefit the "Asian American Studies Program Fund".
- Richard F. Leahy '70 pledged \$50,000 to establish the "Richard F. Leahy Chancellor's Discretionary Fund" to support current operations which benefit students, administration or faculty of the university.
- The Perkins School for the Blind contributed \$30,000 to the Northeast Regional Center for Vision Education.

## **Develop First-Rate Infrastructure**

One of the most obvious challenges of this campus is the deterioration of its **physical facilities**. Over the past year and a half, the campus has worked to gain a full understanding of all of the structural needs, as well as communicate that understanding to the board of trustees, the president's office, the Division of Capital Asset Management (DCAM), the governor's office and the legislature. It became increasingly clear that the university needed a comprehensive picture of our long term capital and strategic needs. Working with leading construction and engineering firms, the scope of our physical plant needs is now documented as well as the work needed to shore up the sub-structure. In the year ahead, we shall work closely with DCAM to prepare a campus master plan that shall serve as a blueprint for further development of our campus (more information under general management heading).

The leadership team of UMass Boston worked with the president's office and DCAM to assess the sub-structure of the campus, in particular, its viability as a parking venue. While regular inspections and reports indicated that the facility was structurally sound, it was determined that the loss of parking spaces, the continual rerouting of pedestrian and vehicle access and the associated costs with these efforts no longer made it a viable parking option for the university community. In mid-summer 2006, the sub-structure was closed to parking indefinitely.

The campus launched an intensive effort to provide additional parking and transportation options for fall semester students. Six new parking lots were created, including a students-only designated lot in the South Lot. In just five weeks and in time for the opening of the fall semester, all but under 100 parking spaces were replaced through the collaboration and hard work of many UMass Boston staff members and members of DCAM. As of spring semester 2007, UMass Boston had 2,693 spaces—nearly 600 more parking spaces than at the time of the garage closing.

Facilities improvement projects were undertaken in every one of the campus's ten buildings as well as offshore. These projects become priorities for 2006-2007 to meet three important goals: ensuring safe and secure use of campus space; supporting academic and student life; and providing structural support to the campus' infrastructure. Projects in design or already under way included: upgrading elevators and fire alarm systems; replacing roofs and the Campus Center doors; creating new venues for learning and research, such as the Nursing Learning Center, the Venture Development Center, McCormack Graduate School, and McCormack Theater's back-of-the-house operations; dedicating a Children's Fitness Center, the location of the aforementioned Rehabilitation Research and Training Center; dredging the Savin Hill Cove of sediment that is interfering with our campus' environmentally friendly Salt Water Pump House operations (and reopen a channel for use by our neighbors at Savin Hill Boat Club); and enhancing the Wheatley Lobby for use as a student meeting space.

The following *unanticipated* disruptions to operations are in addition to the various shutdowns and service interruptions necessitated by ongoing project work across campus that had been undertaken to address deferred maintenance, safety and statutory issues, energy improvements and programmatic enhancements (as described above):

- Two pipe breaks in the Upper Level garage by the Clark Athletic Center The fire main and the domestic water line had to be repaired.
- A failed heating line servicing the Greenhouse on the 4<sup>th</sup> floor of the Science Center caused significant damage.
- The emergency generator servicing Healey Library failed during routine weekly testing.
- A relay on a Clark Athletic Center air compressor burned out causing the building's loss of power, including to the emergency panel. Work to restore the building power and installation of a temporary air compressor had to be accomplished.
- Staff making early morning rounds to check on leaks during a snow/rain/wind event discovered that a pipe connected to the ceiling over the pool at the Clark Athletic Center had fallen to the pool deck, possibly caused by the failure of the roof over the pool building. The pool was closed as the roof the roof drain system, and the hangers attached to the ceiling were evaluated.
- Based upon the pool roof event we authorized an evaluation of all roofs. As a result, two sections of the Clark Rink roof were noted as having delaminated and repairs to those sections were made in a timely manner.

### **Improve Delivery of Administrative and IT Services**

To enhance the delivery and scope of information technology services for **students**, the university has (a) upgraded technology systems in 70% of university classrooms for enhanced learning; (b) implemented a new student E-mail system for greater security; (c) expanded wireless network access (Wi-Fi coverage) on campus; (d) expanded and refurbished the Assisted Learning Center to improve computer access for disabled students; and (e) established a state-of-the-art media center to facilitate language instruction and the use of multimedia tools. In collaboration with two other UMass campuses, UMass Boston put in place a new self-service student information system (WISER), allowing students to update and maintain their personal, academic, and financial information.

To support **faculty** in their teaching activities, the university has (a) implemented a new *e-learning* management system (Web Course Tools or WebCT), (b) increased help desk hours and implemented a

Web-based inquiry system for on-line assistance with technology questions, and (c) installed 340 new computers and deployed the latest anti-virus software for the campus teaching labs. The newly implemented WISER information system allows faculty to access class rosters and permission numbers, enter grades, and view and print degree audits for advising purposes.

**IT infrastructure and systems initiatives** that are moving forward include (a) the renovation of our data center, (b) a significant upgrade to the campus network, (c) the redesign of UMass Boston Web sites and the creation of special sites for important events, (d) Web-based support for such things as diagnostic student testing and online university directories, (e) implementation of an on-line event management and resource scheduling system, and (f) upgrades to the PeopleSoft finance system, including the implementation of the grants management system modules.

### **Position University in Higher Education Marketplace**

Recognizing the importance of branding and the need to raise the profile of the University, UMass Boston has been actively involved in, and supportive of, the University's system-wide marketing initiative over the last several years. Additionally, the campus has undertaken the preliminary steps to launch a more formal and comprehensive marketing effort in the 2007-2008 academic year. Over the past year, this has included an ongoing effort to assemble an ad hoc team of marketing specialists from various sectors of the University to assess past and current marketing efforts, and formulate new ones as well.

The proposed assessment will involve meeting with people from throughout the University community, including students, faculty and administrators. It will look at our environmental marketing (campus graphics, signage, etc) as well as the publications we produce for external marketing. Working with external marketing specialists, our team will explore the policies, roles and responsibilities of those involved in the university's marketing efforts and identify and address the extent to which our marketing activities are complementary or in conflict. This will allow us to better understand the overall marketing structure at UMass Boston, as well as key areas involved in marketing activities.

### **General Management**

After many months of consultation with representative bodies of the university regarding the development of a strategic plan, the Chancellor initiated a formal strategic planning process, *UMass Boston Renewal: Fidelity to Urban Mission* by forming a multi-disciplinary *Chancellor's Strategic Planning Task Force* in September 2006. The Task Force was charged with receiving input from our internal and external constituencies and then, to develop a comprehensive report recommending strategic directions for our university (in line with our Trustee Priorities) over a three year period beginning in 2008. The report, *To Renew and Rebuild: Beginning Our Journey from Excellence to Perfection*, was finished in under nine months to ensure that an implementation schedule for the new strategic plan coincided with the culmination of the UMass Boston *2008 Strategic Plan: Retention, Research and Reputation*.

This planning effort resulted in key strategies and initiatives including growing enrollment numbers to at least 15, 000 students by 2010; developing a campus culture and campus life experience (to include building on-campus housing) for all of our students; constructing a new academic building; increasing the tenure stream faculty and moving to a 2-2 teaching load; improving mentoring and advising of students for retention; identifying and supporting community service efforts for an engaged university community; growing and integrating the research enterprise with academic development.

Supporting the strategic plan is the ongoing development of a **master plan** that will address the physical needs of the campus in a manner that advances the academic and student life enterprise and future goals. The master planning effort will help determine what UMass Boston will look like in the future – with considerations for academic space, transportation needs and how the campus can be more physically



linked to the local community. Together, these efforts – strategic planning and master planning - will chart the physical and intellectual pathways toward the University’s future.

The campus more actively managed the **operating budget** in fiscal year 2007. Mid-year spending plan reviews were formally conducted with deans of colleges, vice chancellors and directors of other significant units. This process ended up with expenses delayed or avoided so as to keep the campus’ overall budget in check. The FY07 financial results will mark continued progress in the development of UMass Boston’s financial well-being, with a positive operating margin forecast for the first time in many years.

In fiscal year 2007, the Budget Office produced monthly forecasts of year-end results to budget, based largely on seasonally adjusting revenues and expenses, and monitoring anomalies. The reports were produced in financial statement format and tracked significant revenue and expense variances.

The campus is planning to implement “Future Perfect” software, a tool that will allow for collaborative production of “what-if” scenario building that will enable the campus to accomplish more sophisticated and timely forecasts to aid in resource planning and decision-making.

Patrick Day, a student affairs professional with 13 years of experience serving diverse student populations at both large and small institutions, joined UMass Boston as **Vice Chancellor for Student Affairs** this past fall.

## **Recognition**

**Convocation Day**, held this year on September 14, marked the official opening of the academic year. Approximately 800 persons heard (including almost 500 UMass Boston students) Massachusetts Supreme Judicial Court Chief Justice Margaret H. Marshall’s convocation address “*To ‘Be Educated and Instructed in the Principles of Freedom.’*” Marshall, the first woman to serve as the Chief Justice of the Massachusetts Supreme Judicial Court, spoke to an audience that also included UMass Boston faculty and staff, colleagues from the bench and a delegation of six Chinese judges participating in a four-month program sponsored by the McCormack Graduate School and the Massachusetts Judges Conference.

Those honored at the **39th Commencement ceremony** serve as wonderful examples for our students. The Honorable Deval Patrick (governor of the Commonwealth of Massachusetts), Ms. Clementina Chery (president and CEO, The Louis D. Brown Peace Institute), Mr. Henri Termeer (president and CEO, Genzyme Corporation), and Mr. Robert Kraft (chairman and CEO, The New England Patriots) were honored on June 1, 2007.

UMass Boston faculty ranks 5th in **faculty productivity** among small universities according to The Faculty Scholarly Productivity Index, a joint project of the State University of New York at Stony Brook and a for-profit company called Academic Analytics. This survey bases its rankings on the number of book and journal articles published by each institution’s faculty, along with journal citations, awards, honors and grants.

UMass Boston graduate Tim Menz ’06, a pre-med student determined to champion children’s rights, was awarded a **Fulbright grant** to work alongside doctors seeking to reverse the high infant mortality rate in India. Honors student Menz is UMass Boston’s fifth Fulbright winner in six years of competition. In the last six years, UMass Boston’s Honors Program has also produced a Marshall Scholar, two Marshall finalists, two Rhodes Scholarship semifinalists, and four Fulbright finalists, two of whom were also designated alternates.

We hope this report of the 2006-2007 highlights of our academic year provided a glimpse into the greatness of that which is the University of Massachusetts Boston - a place of opportunity and excellence, diversity and promise.

# University of Massachusetts - Dartmouth

## 2006-07 Annual Report

### Introduction

Since 2000, UMass Dartmouth has been growing and, directed by its strategic plan entitled “*Engaged, Embedded, Evolving*”, making the transition from a largely undergraduate/local/ commuter comprehensive institution into a doctoral research university that is regional in its focus and global in its impact.

A little over half way into this 10-year strategic plan, the campus has catalogued the progress made and identified the emerging challenges and current opportunities. Among many achievements, the report highlights the more than 130 new faculty members who have been hired, the growth in enrollment from 6500 to 8700, the addition of key programs and facilities, and the tripling of research funding. Critical paths for next steps to complete the plan goals have been identified and are being used to guide future decision-making.

Below readers will find a sampling, rather than an exhaustive list, of the activity that has occurred on campus over the past. It focuses on creating a more nimble and innovative environment. In the context of 2007 Performance Indicators and Trustee Strategic Priorities, this list is intended to provide a sense of the campus’ continuing evolution.

### Enhance the Student Learning Experience

#### *Creating an enhanced learning environment in the library*

The campus kicked off a major library renovation campaign on Oct. 14, 2007 announcing nearly \$3 million in private gifts and the naming of the library in honor of alumna, former trustee, and tireless advocate Claire T. Carney at the first annual “Blue & Gold Gala.” Altogether the campus has now raised \$4 million of the \$6 million in private funds that will be used for the upgrade. The library project is intended to make the library the hub of intellectual activity on campus by adding a Learning Commons, additional technology, larger meeting spaces, and a cyber café.

#### *Expanding academic program offerings at the graduate level*

In the fall of 2006, the new Masters program in Public Policy enrolled its first class. Recently, the Board of Trustees approved creation of Ph.D. programs in Nursing and Luso-Afro-Brazilian Studies. Both programs are awaiting Massachusetts Board of Higher Education approval.

The University has also established the Ferreira Mendes Portuguese-American Archives, with the generous support of many donors, and anticipates a major facility improvement for the archive in the library in 2008. The nursing Ph.D. program is designed to qualify nurses to become faculty members, thus making it possible to expand the number of undergraduate nursing students and address the chronic shortage of nurses.

#### *Expand learning opportunities outside of the classroom*

In December, UMass Dartmouth entered into an agreement with the U.S. Army to expand access to ROTC programs, with courses now delivered on the Dartmouth campus. ROTC students can also compete for Army ROTC scholarships, and participate in military functions and extracurricular activities.

#### *One in four student athletes achieved academic honors in the fall semester*

A total of 145 student-athletes from 22 different teams earned academic distinction during the Spring 2006 semester, illustrating how strongly Corsair coaches focus on the link between academics and athletics.

## **Maintain affordability and access**

UMass Dartmouth continued to work with the Office of the President and the Board of Trustees to limit student charge increases to inflation while enhancing need-based aid. The campus continues to meet more than 90 percent of demonstrated need.

Through the SouthCoast Education Compact, UMass Dartmouth works with the region's school systems and businesses to promote higher education as a means for economic and social advancement, especially in urban districts.

## **Continue a Focus on Diversity and Positive Climate**

### *The fifth annual Martin Luther King, Jr. breakfast*

The University hosted its traditional celebration of the ideals of Martin Luther King, Jr. in February. "Drum Major" awards were presented to Professor Robert Waxler, father of the Changing Lives Through Literature program; and Dorothy Lopes, a retired New Bedford school teacher. The keynote speaker was Salome Thomas-EL, a well-known school principal from inner-city Philadelphia.

### *First-ever Hindu chaplain appointed at UMass Dartmouth*

Swami Yogatmananda, minister of the Providence Vedanta Society, was appointed the Hindu Chaplain for UMass Dartmouth. There has been steady increase in Indian students (mostly belonging to Hindu religion) on the UMass Dartmouth campus, with current enrollment of 175, up 79 percent from 2003.

## **Strengthen the University's Research and Development Enterprise**

### *Research building opened April 5, 2007*

UMass Dartmouth opened a new 22,000 square foot research building that will focus on science critical to the development of the innovation economy in the region and Commonwealth. The facility will be the home of the National Botulinum Research Center and other laboratories focusing on bio-technology-related science. The building, the first at UMass Dartmouth devoted entirely to research, strengthens an "Innovation Triangle" in southeastern Massachusetts that includes major research and development centers in New Bedford and Fall River. The building includes an FDA approved Good Manufacturing Practices (GMP) laboratory. The facility will promote inter-disciplinary science initiatives and be the home of the National Botulinum Center, which is positioned to play a leading role in anti-bio-terrorism activities.

### *U.S. awards \$1.75 million to advance math and science teaching*

The Center for University and School Partnerships received a 5-year, \$1.75 million grant from the U.S. Department of Education to fund the SouthCoast Teacher Corps Partnership, a collaboration among UMass Dartmouth, Fall River Public Schools, New Bedford Public Schools, and the SouthCoast Education Compact that works to improve and strengthen the teacher workforce in both cities.

### *Major Partnership with the biotechnology industry*

UMass Dartmouth's fast-emerging bio-materials research program was awarded a \$150,000 grant from the UMass system to seed the development of an inter-disciplinary, cross-institution collaboration. This grant compliments the \$10 million state bonding authorization for a Bio-Manufacturing Facility in the SouthCoast.

### *Professor publishes groundbreaking research paper on complex networks*

In a feature article in the October 2006 edition of the prestigious journal *Complexity*, UMass Dartmouth Professor Dan Braha, along with co-author Yaneer Bar-Yam, argues for an entirely new way of thinking about complex networks, from terrorist networks to social networks such as MySpace.

## **Increase Endowment**

As reported in other sections of this report, the campus has embarked on major fundraising campaigns focused on the renovation of the Claire T. Carney Library and the creation of the Ferreira Mendes Portuguese-American Archives. The campus has also strengthened its alumni outreach with the goal of increasing annual giving and building a foundation for major gift solicitation. The Office of Institutional Advancement is also increasing its outreach to the corporate community.

## **Develop First Rate Infrastructure**

### *New food court and health center*

A new food court opened at the Woodland Community housing complex, and a new 2,700 square foot health center opened this summer. The health facility is triple the size of the current facility and is designed to enhance patient privacy.

### *UMass Dartmouth observatory to re-open*

Following a two-year closure for renovations, the on-campus observatory has re-opened this spring.

### *Cedar Dell Apartment complex expected to re-open in the fall*

The structural study of the 800-bed Cedar Dell Apartment cluster has been completed and the University is now engaged in the repair and renovation work that will allow the reopening of 400 beds this fall.

## **Improve Delivery of Administrative and IT Services**

UMass Dartmouth continued to expand its use of technology to enhance teaching, learning, research and students life as reflected by the following statistics from Computing and Information Technology Services:

Wireless accounts	<u>2005</u> 515	<u>2006</u> 2,718	Technology-enhanced classrooms	<u>2005</u> 76	<u>2006</u> 82
Network connections	7,010	10,458	Visitors to video streaming server	NA	4,200
Students in full or blended online courses	2,812	6,381	RUCKUS accounts (music download service)	0	4,128

## **Develop a Leadership Role in Public Service**

### *Two more companies graduate from the ATMC, growing hi-tech jobs*

Two start-up companies with a combined 28 high-paying jobs, \$2 million in salaries and \$3.9 million in revenues recently graduated from the UMass Dartmouth Advanced Technology and Manufacturing Center in Fall River, and relocated to southeastern Massachusetts sites.

### *Nursing professor honored with public service award*

Sharon Sousa, a UMass Dartmouth nursing professor who specializes in community mental health issues, was among six winners of the University of Massachusetts 2006 President's Public Service Awards.

### *Freedom Festival attracts 20,000 to fireworks, New Bedford Symphony Orchestra*

Twenty thousand people from throughout southeastern Massachusetts attended the Bank of America Freedom Festival on July 3, 2006 on the UMass Dartmouth campus. The festival included a concert by New Bedford Symphony Orchestra pops concert and concluded with fireworks. One highlight of the

festivities was Chancellor MacCormack's introduction of six veterans from six eras just prior to the playing of the national anthem.

#### *UMass Dartmouth laboratory receives \$300,000 to address deteriorating roads*

Civil and Environmental Engineering Professor Wala Mogawer recently received two grants totaling \$300,000 from the New England Transportation Consortium to determine the best highway maintenance strategies and to evaluate new roadway materials.

### **Position the University Effectively in the Higher Education Marketplace**

#### *Prominent conferences*

The campus hosted a biotechnology conference in February, bringing together key players in the burgeoning regional biotech industry, from both academia and business.

The campus convened a major marine science briefing for U.S. Reps. Barney Frank and William Delahunt that brought together scientists from UMass Dartmouth, Woods Hole, business, and government to discuss emerging marine science and technology opportunities and challenges.

#### *Expanding international experience for students*

The Charlton College of Business was featured in the May/June issue of *BizEd*, an authoritative magazine covering international business education. The article, entitled, "The Dimensions of Peace," highlighted the CCOB's International Business Association, which brought 30 students to Brazil to provide pro bono marketing assistance to a charitable organization.

#### *Charlton College of Business dean named to AACSB Board of Directors*

Dr. Eileen Peacock, Dean of the Charlton College of Business at UMass Dartmouth, has been elected to the board of directors of the AACSB (Association to Advance Collegiate Schools of Business).

#### *Publishing of international importance*

Prof. Anna Klobucka of the Portuguese Department is also the lead author of a groundbreaking textbook - *Point of Encounter: Portuguese as a World Language* - that focuses on both European and Brazilian Portuguese.

### **General Management**

#### *Disaster planning update*

Campus safety and health officials have been participating in statewide and regional planning for a potential flu pandemic. The campus is also in the process of updating its own crisis management plan. Public Safety Director Emil Fioravanti, who recently joined the university after 26 years with the City of Providence and Brown University police departments, is leading the effort.

#### *Filling strategic positions*

Over the past year, the campus has continued to build its core faculty and filled several critical administrative leadership positions in public safety, alumni affairs, grants and contracting, institutional research, and advancement.

### **Recognition**

#### *U.S. News and Princeton Review rankings*

UMass Dartmouth retained its top ranking among New England "master's" public universities and colleges in *U.S. News & World Report's America's Best Colleges*. The University, listed in the "Best Universities -- Master's" category, is ranked number one in New England and 11th among all northern publics (including the New England states, Maryland, New York, New Jersey, and Pennsylvania). The

College of Engineering was once again ranked among the nation's "Best Undergraduate Engineering Programs," tying for 36th in the nation with programs at Purdue University, Smith College, Northern Arizona University, and the Citadel.

The Charlton College of Business was listed among Princeton Review's "Best 282 Business Schools" in the 2007 edition.

*Hockey team wins conference championship*

The Corsair hockey team won the ECAC Northeast championship for the second year in a row and finished among the top 10 college Division III hockey teams in the country.

*Campus chosen to host gubernatorial debate and inauguration event*

The campus was chosen to host the final gubernatorial forum of the 2006 election, regional inauguration celebration for Governor Patrick and Governor Patrick's major announcement of a commuter rail plan for southeastern Massachusetts.

*Recognition for the arts*

UMass Dartmouth MFA student Disnarda Pinilla won an Outstanding Student Achievement in Contemporary Sculpture Award, from the International Sculpture Center. Pinilla was one of 22 recipients, chosen from a record 377 entries, which spanned more than 140 universities, colleges, and art school sculpture programs, in 6 different countries.

*UMass Dartmouth radio station enhances market position*

WUMD, UMass Dartmouth's radio station, increased its power from 1,200 watts to 9,600 watts on June 10, increasing the station's average range from 15 miles to 25 miles. A task force has been formed to examine strategies to enhance the radio station's market position.

# University of Massachusetts - Lowell

## 2006-07 Annual Report

### **Mission**

The mission of the University of Massachusetts Lowell is to provide to students an affordable education of high quality and to focus some of its scholarship and public service on assisting sustainable regional economic and social development in the nation and the world.

FY07 has been a particularly eventful year for the Lowell campus, beginning with the retirement of former chancellor William Hogan and culminating with the arrival of our new chancellor, Congressman Marty Meehan. As interim chancellor, it has been my challenge to balance the needs of the campus to maintain momentum and to reflect on 25 years of single leadership and envision the future. With just one year as Chancellor, before returning to my position with the UMass Building Authority, I focused our efforts closely on a “baker’s dozen” of campus priorities. While not identical to, these intersect with the Trustees Strategic Priorities, which follow.

### **Enhance the Student Learning Experience**

Our first campus goal was to strengthen the start of school formalities. With very little advance warning, the staff and faculty produced a successful Freshman Convocation, setting a tone of collegiality and common aspirations. This continued with a campus-wide volunteer effort to carve pumpkins for the Boston Common Pumpkin Festival, which supports Camp Sunshine.

A new cohort of excellent young faculty is enriching the campus, with more than 90 new faculty hired within the past three years. These faculty bring teaching skill and research initiative, and will form the core of the future University enterprise.

Other highlights:

- Online and distance learning continued to grow. The Lowell campus contributes significantly to the overall UMassOnline enrollment of 22,000 and offerings of 69 online degree and certificate programs. A \$650,000 grant by The Sloan Foundation will expand access to blended programs that combine classroom and online learning.
- The transformation team on international programs made recommendations for enhanced educational exchanges and “internationalizing” the campus.
- A Provost’s Fellow was appointed to expand and coordinate interdisciplinary programs.
- The task force on retention meets regularly to evaluate progress and plan and implement strategy, including the First Year Experience program, “Learn.”
- The NSF Center for High-rate Nanomanufacturing conducts an education program that is incorporated into courses, including humanities and social sciences.
- Classroom technology was expanded with an offer for free download of certain classes for computer or iPod use. Two classrooms are fully equipped.
- The state Board of Higher Education has awarded two-year, \$322,986 grant from its STEM Pipeline Fund to the Northeast Regional Pre-K-to-16 Network, of which UMass Lowell is the lead partner, to promote better science, technology, engineering and math education.
- Student Affairs ran a Conversation Dinner on high-risk student behavior and developed a flier on “Referring Students of Concern or at Risk”

### **Maintain Affordability and Access**

While revising and balancing the budget process for the campus, we have also remained committed to accessibility. This commitment will mean raising financial aid by 3.4 percent for the coming year, to match the increase in tuition and fees voted in by the Trustees. Lowell achieved a 9.3 percent increase in



its enrolled freshmen and transfers this fall. Freshmen students of color rose from 17.1 percent in the fall '05 to 20.4 percent, while the proportion within all undergraduates remained stable.

We have also explored and initiated internal charging systems to raise revenue and maintain facilities that are “cost-neutral,” such as the new parking garage. Therefore, a parking fee schedule has been proposed, to begin with the fall semester.

Outreach to younger students is a critical piece in building access. Highlights include:

- The TEAMS (Technology, Engineering and Math-Science) Academy began its pilot year (supported by legislative funding), bring academically accelerated high school students to campus for science and engineering workshops.
- The Noyce Foundation has funded an 18-month, \$130,000 grant to support replication and dissemination of the highly successful DesignLab after-school engineering workshops.
- The National Science Foundation has awarded a three-year, \$1.3 million grant to project ICODE, Building an Internet Community of Design Engineers, to expand after-school science and technology education.

### **Continue a Focus on Diversity and Positive Climate**

The Equal Opportunity and Outreach office continues to work toward increasing diversity on campus, with more integrated hiring processes, a newsletter and outreach and education efforts. Also, this is the second year Student Activities has organized a week of activities to mark the start of the spring semester. The schedule of activities gives students a chance to renew friendships, make new friends and jump back into campus life.

### **Strengthen Research Enterprise**

The Lowell campus has continued to strengthen its public reputation in important areas of research activity, including nanomanufacturing, biomanufacturing, clean energy, green chemistry, and advanced materials in the technology areas; and educational research, ergonomics and work environment, health and safety research, and immigrant health initiatives in the health and social sciences.

High-profile events included a visit by Sen. Edward Kennedy on behalf of nanomanufacturing; DARPA Director Dr. Anthony Tether and other DARPA officials visited campus to hear about new research initiatives; and then Governor-elect Deval Patrick joined a symposium on the environmental and health impacts of global warming.

Research was strengthened by the creation of a new post, Vice Provost for Research, and with the interim appointment of Physics Prof. Partha Chowdhury. The campus research endeavor also includes an Office of Research Administration (ORA), CVIP and Institutional Review Board. All have made efforts to streamline operations and engage faculty researchers, including the establishment of an advisory board for ORA. In addition, faculty-driven research groups on campus provide peer support and initiatives such as research mentoring and seed grants.

Other recent research highlights:

- The Submillimeter-Wave Technology Lab has been notified of a five-year, \$27 million appropriation for research activity, the largest five-year grant it has received.
- UMass Lowell is part of a six-institution team involved in a DARPA Limb Regeneration research project to learn how to regenerate a mammalian digit – a major breakthrough, if it can be achieved. The grant will be worth up to \$15 million over four years.
- The John Adams Innovation Institute awarded a \$150,000 grant to the Mass Medical Device Development Center (M2D2). The center will help inventors turn new medical product ideas into prototypes likely to secure federal and private funding.

- Two faculty researchers won \$40,000 Investigation Awards from the Massachusetts Technology Transfer Center to support the commercialization of innovative technology: one in fire retardants and one in transistors.
- A three-year, \$100,000 grant from the Lowell National Historic Park will fund an ethnohistoric and ethnographic study of Lowell, using archival materials, hundreds of hours of oral histories, extensive interviews and participant observation.
- The National Science Foundation (NSF) has awarded Marina Ruths, of chemistry, a CAREER grant for young investigators. The \$400,000 grant is for research on adhesion and friction at the nanoscale.
- A \$600,000, five-year CAREER grant from the National Science Foundation has been awarded to Fred Martin, of computer sciences. Martin will partner with the Graduate School of Education to “transform science education.”
- The UMass Lowell nanomanufacturing team – represented by faculty from mechanical and plastics engineering, biology and chemistry – has secured \$2 million in the federal budget for the nanomanufacturing of multi-functional sensors.
- The National Centers for Disease Control and Prevention named Donald Milton, UML professor of work environment, to evaluate the use of masks in preventing the spread of pandemic flu, with a grant of about \$550,000.

### **Increase Endowment**

The campus added 51 new endowment funds worth \$4.8 million in the first two years of a five-year campaign to double the endowment to \$41 million by 2009. The endowment is projected to stand at \$32.7 million at the end of fiscal year 2007.

UMass Lowell received more \$1 million in gifts in December, including leadership gifts from three key supporters who took advantage of a state endowment incentive program to leverage the most from their commitments.

### **Develop First-Rate Infrastructure**

Siting and design of the new nano/biomanufacturing building has been a top priority this year, in synchrony with the state legislature’s support and commitment. A design firm has been hired, due diligence has been completed on all four potential sites – with a decision expected this summer, and a building program (space usage and costs) will also be completed by end of summer. This will be the first new academic and research facility built on campus in many decades.

Another top priority was to proceed with renovations, including the Bellegarde Boathouse. The boathouse is functional for this crew season. After DCAM completes its site survey, title will be transferred to the University, along with state funding.

Other highlights:

- The VC of Facilities has developed a campus master plan for capital improvements. Public comment was solicited on the first draft of the \$260 million overall plan.
- The 630-space, four-level, \$13 million concrete and steel parking garage on UML East was open for business as students returned to campus for the spring semester.

### **Improve Delivery of Administrative and IT Services**

Our major goals have been to upgrade the network for improved stability and reliability, continue to outfit classrooms with information technology (currently about 90), upgrade the network and Internet bandwidth, spread access to secure wireless on campus, and develop a high performance computing cluster for researchers on campus.

Administrative leadership has also been working on disaster planning, to support business continuity in the case of a disaster. All our major administrative systems have been transferred into the integrated

system, with web self service for Human Resources, Finance, Student, Contributor Relations, Residence Hall, and Room Scheduling.

### **Position University in the Higher Education Marketplace**

The University of Massachusetts Lowell has been a leader in public higher education for more than 100 years and is well-positioned as the only university campus along Route 495, an area clustered with biotech, nanotechnology and other high-tech companies – just beyond Greater Boston. The campus has a good reputation for providing highly skilled graduates to support the state’s “innovation economy,” as well as the healthcare and teaching professions.

Some highlights:

- More than 400 nanotechnology executives nationwide responded to a Small Times Magazine-UMass Lowell benchmark survey, resulting in extensive positive press.
- Polnox, a UMass Lowell start-up company, was recognized by the *Wall Street Journal* through its 2006 Technology Innovation Awards in the Materials category.
- A spring marketing campaign includes radio ads on WBZ and WBUR about several major research and scholarly conferences being held on campus; large, colorful signage and flags to enliven the campus; exhibit panels for each college; new departmental brochures, and targeted recruitment materials.

### **General Management**

Working closely with the UMass President’s Office, we have supported the search and selection process for a new chancellor, including on-campus, day-long visits by the three candidates to meet with all campus constituencies. A budget shortfall, carried over from the previous administration, has caused constraint and belt-tightening. We have frozen most hiring and promotions, trimmed budgets and special expenditures as possible, and encouraged transformation teams to complete their planning and recommendations with final reports. In addition, all administrative and academic departments are preparing white papers, positioning the campus for a rapid, successful start with a new chancellor.

Other highlights:

- The Office of Institutional Research has expanded its operations to include planning data and analysis.
- Extensive leadership training for middle management has been provided by Human Resources.
- Progress has been made on a Title IX compliance plan, including targeted scholarships for female athletes.

### **Recognition**

Our faculty, staff and students continue to achieve in ways that garner awards and recognition. Some highlights:

- Plastics Engineering Prof. David Kazmer was named a Fellow of the American Society of Mechanical Engineers (ASME), the first UML professor so honored.
- The Village Empowerment Partnership, headed by Prof. John Duffy of the Mechanical Engineering Department, has been named as a finalist for the state’s 2007 Jimmy and Rosalynn Carter Award for Campus-Community Collaboration.
- Senior Joshua Weiss is one of only 101 students in the country – and the only one in UMass – to receive this year’s Ernest F. Hollings Undergraduate Scholarship.
- Peter O’Connell, recently retired director of the Tsongas Industrial History Center (a partnership with the Lowell National Historical Park) was awarded the state’s top cultural award, the Commonwealth Award for Individual Achievement.

- The UMass Lowell 4X400 meter relay team posted the fastest time this year in Division II and broke the UML school record in February. The UMass Lowell baseball team, fresh off one of its best seasons in school history, was selected No. 1 in the Northeast-10 Conference Preseason Coaches Poll.

# University of Massachusetts - Worcester

## 2006-07 Annual Report

### Enhancing the Student Learning Experience

#### *UMass Worcester opens simulation center*

To remain one of the nation's best in primary care education, UMass Worcester has established the UMMS Simulation Center to advance the use of simulation technology in the training of tomorrow's doctors and nurses.

The Center is designed to support simulation technology, which includes task trainers, screen-based simulation and full-body mannequins which replicate a number of conditions and allow students to develop their clinical skills. The Center recreates the look and feel of a clinical setting and exposes medical and nursing students and UMass Memorial Health Care residents to numerous medical scenarios.

#### *UMMS remains a top institution in primary care education*

The University of Massachusetts Medical School (UMMS) was again ranked in the top 10 percent in primary care education among the nation's 125 fully accredited medical schools and 19 schools of osteopathic medicine by weekly news magazine *U.S. News & World Report* in its annual review entitled "America's Best Graduate Schools," released March 30. The Graduate School of Biomedical Sciences also ranked 49th among the country's research institutions.

### Continuing a Focus on Diversity and Positive Climate

#### *19<sup>th</sup> Annual Tribute to the Reverend Martin Luther King, Jr.*

The UMMS community welcomed Chancellor of the University System of Maryland (USM) William E. Kirwan, PhD, as the keynote speaker at the 19th Annual Tribute to the Reverend Martin Luther King, Jr. Dr. Kirwan has championed diversity initiatives throughout his career as a scholar, faculty member and university president. In 2004, he received the National Innovators Award from Minority Access, Inc., a national educational organization that builds public and private sector partnerships for minority group advancement.

Associate Vice Chancellor for Diversity and Equal Opportunity Marian V. Wilson, PhD, introduced Kirwan, who made a compelling case for the essential role of higher education in advancing diversity throughout our society. During his speech, Kirwan emphasized Dr. King's pragmatism as well as his inspiring vision, and cited three reasons to support diversity: 1) to uphold the values of justice and fairness; 2) to promote what he called "enlightened self interest" for an America that will need an educated, skilled workforce of all races; and 3) to enhance the quality of education.

Referencing the title of Dr. King's book *Where do we go from here?* Kirwan said in closing, "This is a call to action for all of us to honor the legacy of Martin Luther King. Nothing is more deserving of our time and energy, and nothing is more critical."

#### *Work-Life comes into balance*

To assist UMMS faculty and staff with UMMS programs that ensure a work-life balance, UMMS established the Work-Life manager position and soon hired Janet Hirsh to fill the post. Responsible for administering the work-life balance programs offered by UMMS, Ms. Hirsh will analyze the work-life needs of the UMMS community and recommend innovative and cost-effective solutions to identified problems; identify trends and emerging work-life issues and create responsive programs, plans and training; and communicate the array of work-life programs to both external and internal audiences to enhance recruitment and retention.

*The Council on Equal Opportunity and Diversity promotes civility on campus*

With the newly adopted Civility Statement in place, the Council on Equal Opportunity and Diversity (CEOD) at UMMS held its first annual Civility Awareness Day to support acts of civility on the UMMS campus.

UMMS community members welcomed Johns Hopkins University Professor P.M. Forni, PhD, to the Sept. 28, 2006 event. An expert on civility, Dr. Forni is the author of *Choosing Civility: The Twenty-Five Rules of Considerate Conduct*, which has been translated into German and Italian. In 1997, he co-founded the Johns Hopkins Civility Project and serves as director of the program, which is now known as The Civility Initiative at Johns Hopkins. An aggregation of academic and community outreach activities, the program aims to assess the significance of civility, manners and politeness in contemporary society. Dr. Forni was also the co-director of *Reassessing Civility: Forms and Values at the End of the Century*, an international symposium which took place at Johns Hopkins in March 1998.

### **Developing a First Rate Infrastructure**

*campus revampus finishes on time and on budget*

After nearly 30 years, UMMS undergoes a facelift to reshape the campus for the next generation of students, scientists, faculty, staff, patients and visitors.

*campus revampus*, the four-year campus modernization project, began in late 2002 with a design and planning phase. The project called for a new, 1,600-space parking garage to improve facility access and traffic flow; the replacement of the entire granite façade and windows of the original Medical School building; renovations to clinical areas and the expansions of specific areas including the Emergency Department, operating rooms, endoscopy and catherization suites; and the remodeling and development of Diagnostic Radiology, which includes an on-site MRI.

By the end of 2006, *campus revampus* is completed on time and on budget, and UMMS is a health sciences center for the future, setting the standard for excellence in education, clinical care, research and service for the people of Massachusetts.

*Advanced Education Clinical Practice Center construction underway*

UMMS has envisioned a plan for growth and development on the University Campus that is essential to our mission of national distinction in education, patient care, research and service with our clinical partner, UMass Memorial Health Care. The first step in the plan is the construction of the Advanced Educational and Clinical Practice Center (AECPC), which began in December 2006. The seven-story, 258,000-square-foot building will house a mix of academic and clinical areas, including the new Center for Experiential Learning and Simulation and the recently established Clinical and Translational Science Department. The AECPC will provide much-needed space for UMass Memorial and advancing UMMS initiatives. It is expected the building will be complete in approximately two years.

### **Improve Delivery of Administrative and IT Services**

*UMMS names new dean*

On Monday, April 2, 2007, UMass President Jack M. Wilson announced that Terence R. Flotte, MD, a widely respected physician-scientist, was appointed dean of the School of Medicine and executive deputy chancellor of the UMMS. Dr. Flotte officially began his new position on May 15, 2007.

Flotte joined UMMS from the University of Florida (UF), where he was the Nemours Eminent Scholar and Chair of the Department of Pediatrics for the College of Medicine. As dean and executive deputy chancellor, Flotte serves as chief academic and administrative officer of the School of Medicine, assisting in the development and implementation of a strategic vision for the school's future. Accordingly, he

oversees all academic activities of the basic and clinical science departments, including education and research for the School of Medicine and the Graduate School of Biomedical Sciences.

Dr. Flotte was selected from a national applicant field by a search committee comprising of faculty and leadership from UMMS, the President's Office and UMass Memorial Health Care, the institution's clinical partner. He succeeds Aaron Lazare, MD, who served as the Medical School's Dean since 1990.

*Paulette Seymour, PhD, appointed dean of the Graduate School of Nursing*

After providing insightful and creative leadership in an interim role following the departure of her predecessor, Paulette Seymour, PhD, was appointed dean of the Graduate School of Nursing at the University of Massachusetts Worcester.

Immediately prior to her appointment as interim dean in October 2005, Dr. Seymour served as associate dean for practice and assistant professor of nursing for the GSN and chief nursing officer and senior vice president for UMass Memorial Health Care, the clinical partner of UMMS. While she is stepping down from her clinical leadership role to devote her full effort to the GSN, Seymour will continue to assist UMass Memorial in system-wide nursing matters. During her tenure at UMW, Seymour's academic and clinical research has focused on the adult cardiac population and organizational development in health care environments.

*UMMS welcomes new psychiatry chair*

In January 2007, students, faculty and staff met Douglas Ziedonis, MD, MPH, the newly appointed chair of the Department of Psychiatry at the University of Massachusetts Medical School and UMass Memorial Medical Center.

Internationally recognized for his research and policy work on co-occurring mental illness and addiction, Dr. Ziedonis came to Worcester from a position as professor and director of the Division of Addiction Psychiatry at the University of Medicine and Dentistry of New Jersey (UMDNJ)—Robert Wood Johnson Medical School. Throughout his career, he has demonstrated a strong commitment to public sector psychiatry. Dr. Ziedonis succeeds Paul S. Appelbaum, MD, who chaired the department for 13 years and left for an opportunity to return to Columbia University and his home town. Upon Dr. Appelbaum's departure, Alan P. Brown, MD, clinical professor of psychiatry, was named interim chair. Dr. Brown is the director of Adult Clinical Services in the Department of Psychiatry and serves as vice chair for Clinical Services in the Department of Psychiatry at UMass Memorial Health Care.

*IS unveils new Web content manager*

As part of its ongoing commitment to meet the diverse technology needs of the UMMS community, the Department of Information Services (IS) has implemented a new Web Content Management System (CMS). Completed in March 2007, the new CMS will enable those responsible for individual UMMS Web pages to employ many new tools that were not available in the previous system. These include membership management, which allows user groups to develop special content only they can access; forums for discussions and online communities; and other features including blogs, an HTML form builder, Web analytics, polls and surveys.

## **Positioning the University in the Higher Education Marketplace**

*UMMS professor wins Nobel Prize*

On October 2, 2006, the Nobel Assembly at Karolinska Institutet awarded The Nobel Prize in Physiology or Medicine for 2006 to the University of Massachusetts Medical School's Craig C. Mello, PhD, and his colleague Andrew Fire, PhD, of Stanford University, for their discoveries related to RNA interference (RNAi).

In 1998, Drs. Mello and Fire, then of the Carnegie Institution of Washington, published research findings in *Nature* that demonstrated that a particular form of ribonucleic acid or RNA—the cellular material responsible for the transmission of genetic information—can silence targeted genes. This RNAi process offers astounding potential for understanding and manipulating the cellular basis of human disease, and RNAi is now the state-of-the-art method by which scientists can "knock out" the expression of specific genes to thus define the biological functions of those genes. Just as important has been the finding that RNAi is a normal process of genetic regulation that takes place during development, opening a new window on developmental gene regulation.

Since Drs. Mello and Fire's seminal publication describing their breakthrough, RNAi has swept through laboratories around the world, changing the way many biomedical researchers work. Companies at the forefront of pharmaceutical innovation have purchased licenses to RNAi technology, co-owned by UMMS and the Carnegie Institution, to aid in their development of treatments for disease. Currently, licenses have been issued to companies including Novartis AG, Bristol-Myers Squibb, CytRX Corp., Sirna Therapeutics, Monsanto Co., GlaxoSmithKline and Pfizer. At UMMS, researchers are taking full advantage of RNAi technology to speed investigation into a variety of diseases such as diabetes, cancer, ALS and HIV/AIDS.

#### *Champions for COMECC*

UMMS employees and students continued their tradition of giving this past fall, contributing generously to the Commonwealth of Massachusetts Employees Charitable Campaign (COMECC). UMMS had established an ambitious goal of \$350,000 this year. Many departments within the institution had 100 percent participation, including Library Services and Financial Services, both of which have approximately 50 employees.

#### *UMMS creates new RNAi center*

To capitalize on its position and expertise in RNAi-based gene silencing, UMMS plans to establish the RNAi Technologies and Therapeutics Center. The Center will offer reagents and expertise crucial for RNAi-based screens and discovery of novel proteins functioning in cellular processes and human diseases as well as create innovative technology to effectively enhance RNAi in gene silencing of both cell systems and intact animals. The Center will also promote clinical and translational research by using RNAi to test hypotheses on the fundamental mechanisms of disease processes and then to ultimately develop the next generation of powerful therapeutics.

### **Strengthening the Research Enterprise**

#### *Clinical and Translational Science Department established*

Recognizing the growing need to rapidly turn laboratory breakthroughs into clinical applications—a recently identified priority of the National Institutes of Health—UMass Medical School has established the Department of Clinical and Translational Science (DCTS) within the School of Medicine.

The new department will foster collaboration among existing clinical and basic science departments, institutes, centers and UMass Memorial, as well as accelerate the development of preventive and therapeutic strategies and enhance the translation of emerging technologies. A pilot program will be initiated this year with grants of \$100,000 to encourage teams of clinical and basic science investigators to launch clinical and translational research projects.

#### *International collaboration takes aim at rabies*

The Massachusetts Biologic Laboratories (MBL) of UMMS and the Serum Institute of India announced the formation of an historic collaboration to bring to the world a new, more cost-effective approach for preventing rabies in people.



The institutions are collaborating to test and manufacture a new monoclonal antibody created by scientists at the MBL, in conjunction with the U.S. Centers for Disease Control and Prevention, which can neutralize multiple variants of the rabies virus. The MBL and Serum Institute plan to launch a Phase 1 clinical trial in India in 2007 to assess the safety and tolerability of the new MAB in people, with hopes of having the new, lower-cost treatment available within two years for people exposed to rabies. The treatment would then be made broadly available in India shortly thereafter.

#### *UMMS receives awards for 2006 Science and Technology Projects*

UMass President's Office announced that UMMS would receive awards for the institution's Translational Research Center and Oral Vaccine Initiative projects.

Vice Chancellor for Research John Sullivan is the principal investigator of the Translational Research Center and received \$150,000 internal planning grant, which will be used to secure National Institutes of Health funding for the major initiative in translational research.

Donald Tipper, PhD, professor of molecular genetics and microbiology, received the \$100,000 grant to support the Oral Vaccine Initiative, a research program on a platform technology that enables the production of oral vaccines based on yeast cell wall particles.

### **Increasing Endowment**

#### *'Promising scientists' receive grants from Worcester Foundation*

In its continuing support of biomedical research at UMMS, the Worcester Foundation for Biomedical Research (WFBR) has awarded 12 UMMS investigators \$25,000 Annual Research Grants. The grants are supported by the Foundation's Annual Research Fund, which includes gifts from the Hudson Hoagland Society's 200 members. These grants allow researchers to produce preliminary data with which to compete for grant funds from other organizations such as the National Institutes of Health.

#### *Charles Pagnam appointed Vice Chancellor for Development*

Charles J. Pagnam, a highly regarded fund-raising and advancement professional with more than two decades of experience in higher education and health care, has been appointed Vice Chancellor for Development at the University of Massachusetts Medical School. In this role, he will lead the joint development function of the University of Massachusetts Medical School and UMass Memorial Health Care, and serve as the chief executive of the UMass Memorial Foundation, which raises philanthropic support for programs and initiatives at the two institutions. Mr. Pagnam will succeed Walter J. Sleeth, who served as interim Vice Chancellor for Development from February 2006 through January 2007.

### **Public Service**

#### *A practice in prevention*

Nearly 635 area residents received the influenza vaccine during a four-hour period on Nov. 18, 2006, thanks in part to UMMS students. Students from the School of Medicine and Graduate School of Nursing joined forces with the Worcester Regional Medical Reserve Corps (WRMRC), the Worcester District Medical Society Physician and Nurse Alliance, the Worcester Department of Public Health and other students from area colleges to vaccinate residents age 50 and older and those with chronic medical conditions as part of a public health service and to test the City of Worcester's emergency dispensing site and preparedness plans. The mass inoculation served as a community service learning project for GSN students, who served as a resource for medical students administering flu vaccines.

The WRMRC is a program of the Worcester Metropolitan Medical Response System, a federal, emergency preparedness organization supervised by the Worcester Public Health Division. Comprising medical and non-medical volunteers, the WRMRC is among the first responders to emergency situations.

*Commonwealth Medicine improves health care services for the underserved*

UMass Worcester's Commonwealth Medicine (CWM) division offers a unique combination of academic excellence and public health service expertise, allowing it to provide health care solutions ideal for the public sector and not-for profit organizations.

Through health care financing strategies, policy, research and evaluation services, education and training services, clinical services, community programs and services and consulting and custom management solutions, Commonwealth Medicine continues to enable Massachusetts and many other state and local health care agencies to increase the value and quality of health care expenditures, and improve access and delivery of care to at-risk and uninsured populations. Unlike most health care consulting firms, Commonwealth Medicine is itself a public entity driven by a mission to serve. As a public organization, CWM is prepared to meet the challenges of state and local agencies, and fulfill its vision of providing underserved populations access to quality health care services.

# UNIVERSITY OF MASSACHUSETTS

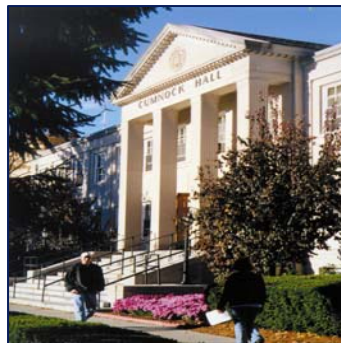
*Amherst • Boston • Dartmouth • Lowell • Worcester*



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## 2007 Report on Annual Indicators

### *University Performance Measurement System*



# **UNIVERSITY OF MASSACHUSETTS**

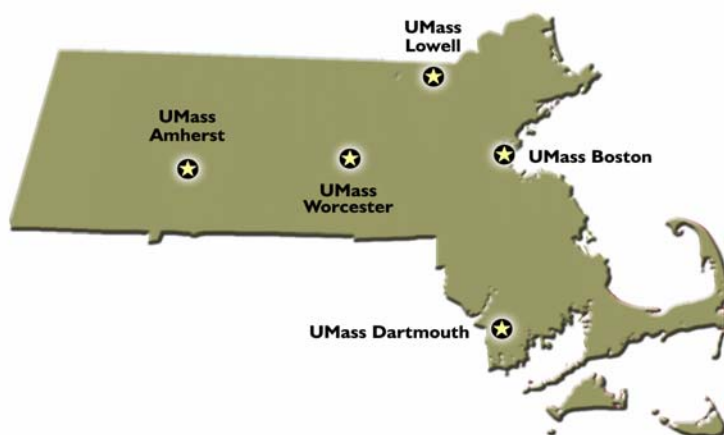
*Amherst • Boston • Dartmouth • Lowell • Worcester*

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## **2007 REPORT ON ANNUAL INDICATORS** **University Performance Measurement System**

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## THE 2007 REPORT ON ANNUAL INDICATORS

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The 2007 Report on Annual Indicators is the tenth annual report of the University of Massachusetts Performance Measurement System. This report provides Trustees, Legislators, and state-level policy makers with information by which they can assess the University as compared with similar institutions and its own performance in the past. Through this report and other aspects of performance measurement and assessment, the University seeks to be open and accountable to the constituencies it serves.

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

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

Encompassed within these 5 areas are 9 strategic priorities of the University. The strategic priorities are:

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

Many indicators are common to all campuses, but several are unique and reflect the distinct missions of each of the campuses.

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 public and private research universities with at least \$20 million in federal research expenditures. For the Worcester campus, the peer group consists of the 76 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, in particular those that relate to *Access and Affordability*, *Service to the Commonwealth*, and *Financial Health*. Indicators in these areas reflect decisions that rest with the system administration and the Board (such as tuition and fee levels) or describe the collective role of the campuses in serving the students and citizens of the Commonwealth (such as degree production or enrollment of Massachusetts residents). Depending on the indicator, data for the UMass system are compared with Massachusetts private universities, Massachusetts demographic data, New England public universities, or (for the financial indicators) a small group of public university systems in other states.

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

- Headlines from the 2007 Annual Indicators
- 2007 Annual Indicators at a Glance
- Data Tables and Charts
- Definitions and Sources

LEGISLATIVE PRIORITIES	UMASS STRATEGIC PRIORITIES	2007 ANNUAL INDICATORS
ACADEMIC QUALITY	Improve student learning experience	HS GPA of Freshmen
		SAT Scores of Freshmen
		Average GPA of Transfer Students
		MCAT Scores of Entering Students
		Licensure and Certification Pass Rates
		Satisfaction with Major/Education
		Number of Students Enrolled in For-Credit Internships
		Doctorates Awarded
		Postdoctoral Appointees
		Strengthen research and development
	Federal Research Support	
	Rank in Total R&D (NSF)	
	Sponsored Instruction/Outreach per Faculty	
	Rank in NIH Funding Among Medical Schools	
	US News Ranking in Primary Care Medicine	
	Patent Applications	
	License Income	
	Renew faculty	New Tenured/Tenure-Track Faculty Hired
		Change in Tenured/Tenure-Track Faculty
		Change in Faculty FTE
		Faculty Awards
	Access and Affordability	National Academy Members
		Tuition & Fees as % of Statewide Family Income
		% Pell Grant Recipients
		% of Need Met for Students Awarded Need-Based Aid
		Tuition & Fees with Learning Contract
		% UG's from Massachusetts
Online Course Enrollments		
Enrollments in Continuing/Corporate Education		

LEGISLATIVE PRIORITIES	UMASS STRATEGIC PRIORITIES	2007 ANNUAL INDICATORS		
STUDENT SUCCESS AND SATISFACTION	Diversity and positive climate	% UG's who are Students of Color		
		% UG's who are First Generation in College		
		% UG's who have English as Second Language		
		Freshman One-Year Retention Rate		
		Freshman Six-Year Graduation Rate		
		Transfer One-Year Retention Rate		
		Transfer Graduation Rate		
		Match Rate/Choice of Residency		
		SERVICE TO THE COMMONWEALTH	Develop a leadership role in public service	% Mass Residents Attending UMass
				In-State UG Enrollment by Region
UMass % of all Massachusetts Degrees				
% Graduates who Remain in MA				
Enrollment in Science, Technology, Engineering, and Mathematics (STEM) Programs				
Degrees Awarded in STEM Fields				
MTEL Science & Math Test-Takers				
Regional Impact				
Service to State Agencies (\$)				
FINANCIAL HEALTH	Endowment			Endowment and Endowment per Student
		Annual Growth in Endowment		
		Private Funds Raised Annually		
	Administrative and IT services	Return on Net Assets		
		Financial Cushion		
	Infra-structure	Campus Safety		
Debt Service to Operations				
		Total Deferred Maintenance Cost		

## HEADLINES FROM THE 2007 ANNUAL INDICATORS

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### ACADEMIC QUALITY

❖ *UMass continues to admit high quality students.*

UMass attracts highly qualified applicants. For Fall 2006, all the campuses received the highest number of undergraduate applications in the last ten years. On some campuses, the freshmen average SAT scores dropped reflecting a national trend, however, average high school GPA rose or remained stable.

❖ *UMass students outperform state and national averages on professional exams.*

In most cases, the average UMass pass rates are better than the national or state averages for certification/licensure exams in fields such as education, medicine, and nursing.

❖ *UMass' research capacity continues to grow.*

In FY2006, the system generated \$404 million in sponsored research, an increase of 7% over FY2005.

❖ *UMass Worcester is consistently ranked in the top 10% of medical schools with an emphasis in primary care.*

In the 2007 US News ranking, UMass Worcester ranked 11<sup>th</sup> among 144 medical schools with emphasis in primary care medicine.

❖ *Commercialization of UMass research continues to grow.*

In FY2006, license income for the system totaled \$27.2 million. UMass ranks in the top 20 of US universities in license income.

### ACCESS AND AFFORDABILITY

❖ *UMass continues to be accessible and affordable.*

UMass tuition and fees average 12.4% of statewide median family income, a percent much lower than that for the state's private universities (44.9%) and other New England public universities (14.5%).

❖ *UMass serves citizens of the Commonwealth.*

Almost 9 of 10 (87%) UMass undergraduates are Massachusetts residents, compared with a quarter (26%) at private universities in the state.

❖ *UMassOnline expands programs to provide educational access.*

UMass Online reaches diverse and geographically dispersed learners. In AY 2005-06 course enrollments for UMassOnline were 22,682, a 23% increase over those for AY 2004-05.

### STUDENT SUCCESS AND SATISFACTION

❖ *UMass educates a diverse citizenry.*

The number of students of color enrolling at UMass has increased over the last five years. Currently, 1 of 5 (22%) UMass undergraduates are Black, Asian, Hispanic or Native American (while 17% of Massachusetts public high school graduates who plan to attend 4-year colleges or universities are minorities). At UMass Boston, 42% of undergraduates are students of color, making it the most diverse public university with over 2,500 undergraduates in all of New England.

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

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

### SERVICE TO THE COMMONWEALTH

❖ *Majority of Massachusetts residents attend UMass.*

Almost 2 of 3 (62%) Massachusetts residents enrolling in universities in the state as first-time undergraduates attend UMass. The University's students come from every region of the state.

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

UMass awarded over 11,400 degrees and certificates in 2005-06, which is 14% of all undergraduate and graduates degrees awarded in the Commonwealth. The University's impact is particularly high in the following fields: computer & information sciences and health (bachelor's level), natural sciences, computer science and engineering (master's level) and education and business (doctoral level).

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

Three of five (60%) graduates of the University remain in the Commonwealth after graduation.

### FINANCIAL HEALTH

❖ *Endowment at more than \$260 million.*

The market value of the University's endowment grew 16.6% from FY2005 to FY2006.

❖ *Financial indicators compare favorably to peers.*

In FY2006, the University's return on net assets, financial cushion and debt service to operations were all within the range of peer systems.



## 2007 ANNUAL INDICATORS AT A GLANCE

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### ACADEMIC QUALITY

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- Research Expenditures \$404.0M
- License Income \$27.2M

### ACCESS AND AFFORDABILITY

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- Tuition & Fees as % of Family Income 12.4%
- % UG from Massachusetts 87%
- Online Course Enrollments 22,682
- Annual Growth in Online Course Enrollments 23%

### STUDENT SUCCESS AND SATISFACTION

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- % UG who are Students of Color 22%

### SERVICE TO THE COMMONWEALTH

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- Proportion of Mass Residents Attending Universities in MA enrolled in UMass 62%
- Enrollment of In-State Undergraduates by Region:
  - Greater Boston 33%
  - Northeastern Mass 25%
  - Southeastern Mass 20%
  - Central Mass 10%
  - Western Mass 12%
- Degrees awarded 11,463
- UMass % of all Massachusetts Degrees 13.5%
- % Graduates who Remain in MA 60%
- MTEL Science and Math Test-Takers 61

### FINANCIAL HEALTH

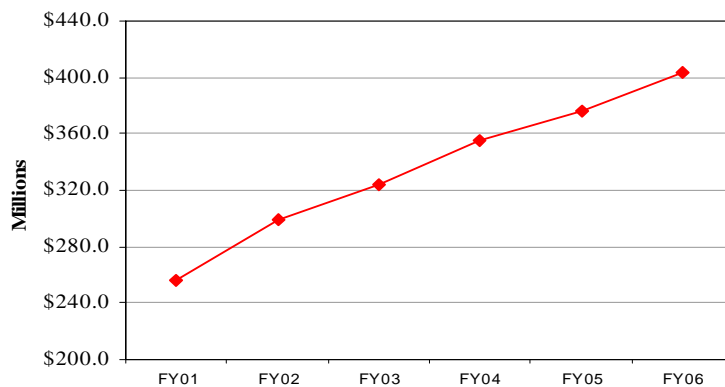
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- Endowment Assets \$260.2M
- Annual Growth in Endowment 16.6%
- Private Funds Raised Annually \$84.9M
- Return on Net Assets 7.8%
- Financial Cushion 18.3%
- Debt Service to Operations 3.6%
- Total Deferred Maintenance Cost \$2.6B
- Deferred Maintenance per GSF \$120.16

## ACADEMIC QUALITY

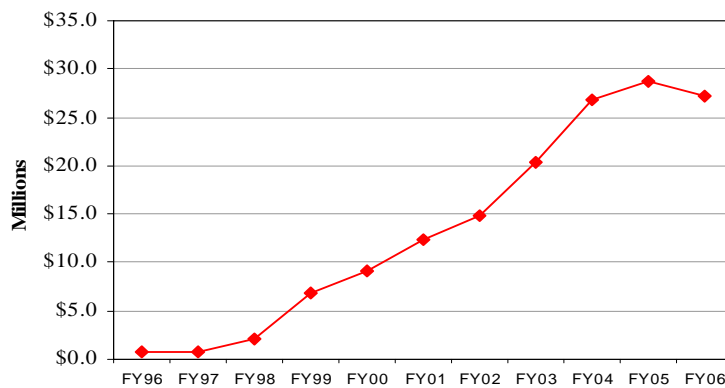
### Research Expenditures

Research and development expenditures is an indicator of an institution's research capacity. At UMass, R&D expenditures continue to grow. For FY 2006, the amount was \$403.9 million. Most of the University's R&D expenditures are in the science and engineering fields. Between FY 2001 and FY 2006, R&D expenditures grew by 57%.



### License Income

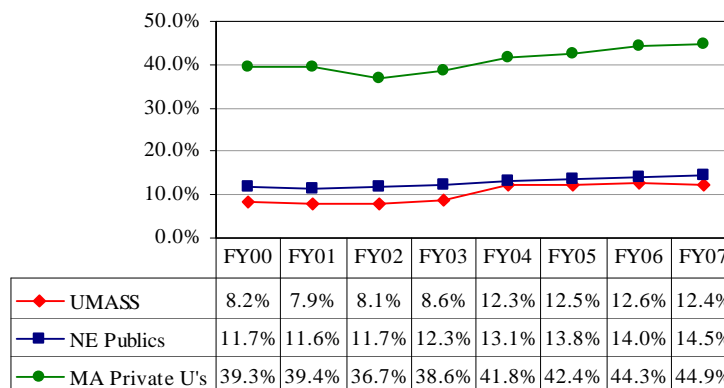
License income is a measure of the economic value of an institution's inventiveness and a contributor to the University's economic health. It is difficult to predict when or for what products or processes a license will begin to generate significant income. License income for UMass totaled \$27.18 million in FY2006. UMass ranks in the top 20 of US universities in terms of licensing income generated from its technology transfer operation.



## ACCESS AND AFFORDABILITY

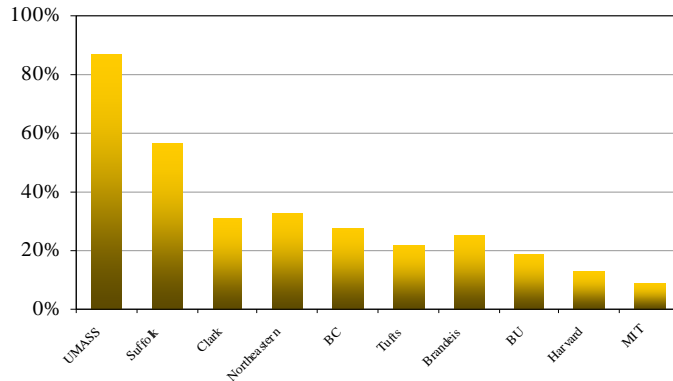
### Tuition and Fees as a Percentage of Family Income

UMass average tuition and fees remain affordable relative to median family income. UMass tuition and fees average 12.4% of statewide median family income, compared with an average of 44.9% for the state's private universities and 14.5% for other New England public universities.



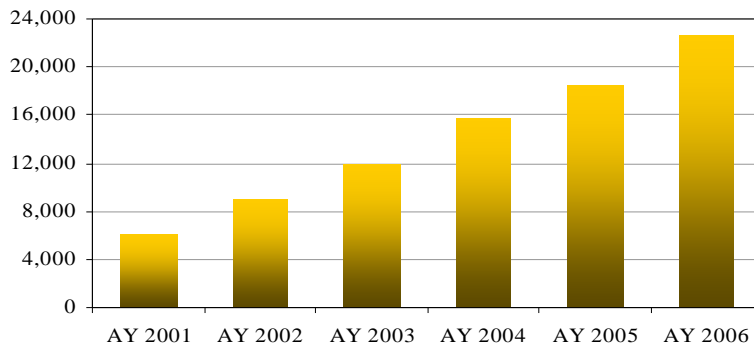
**Percent Undergraduate Students from Massachusetts**

The vast majority (87%) of UMass undergraduates are citizens of the Commonwealth. The percentages are highest at the more regional campuses - at Boston, Dartmouth, and Lowell, 9 out of 10 students are in-state - and lowest at UMass Amherst, where 8 of 10 students are in-state. By contrast, only 26% of undergraduates enrolled in the state's private universities come from Massachusetts.



**Rate of Growth in Online Course Enrollments**

UMassOnline delivers 66 programs to diverse and geographically dispersed learners. Course enrollments in UMass Online continue to grow at a healthy rate. Academic year 2005-06 course enrollments were 23% higher than those for AY 2004-05.



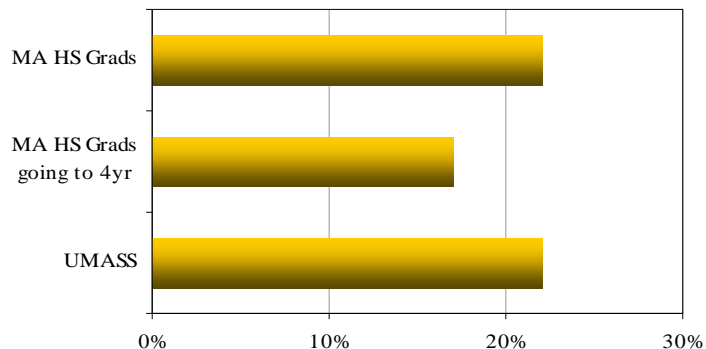
	AY 2001	AY 2002	AY 2003	AY 2004	AY 2005	AY 2006
Annual growth rate		47%	33%	31%	17%	23%

**STUDENT SUCCESS AND SATISFACTION**

**Percent Undergraduate Students of Color**

More than one-fifth (22%) of the University's undergraduate students are Black, Asian, Hispanic, or Native American, compared with 22.4% of the state's population of high school graduates and 17.1% of high school graduates who intend to enroll in a four-year college or university.

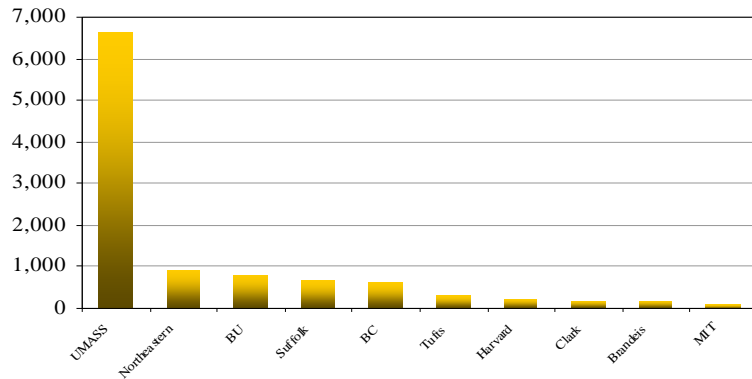
Note: Beginning with the high school class of 2006, students who identify as Multi-Race are included in the count of students of color. Comparisons with prior year data should be made with caution.



## SERVICE TO THE COMMONWEALTH

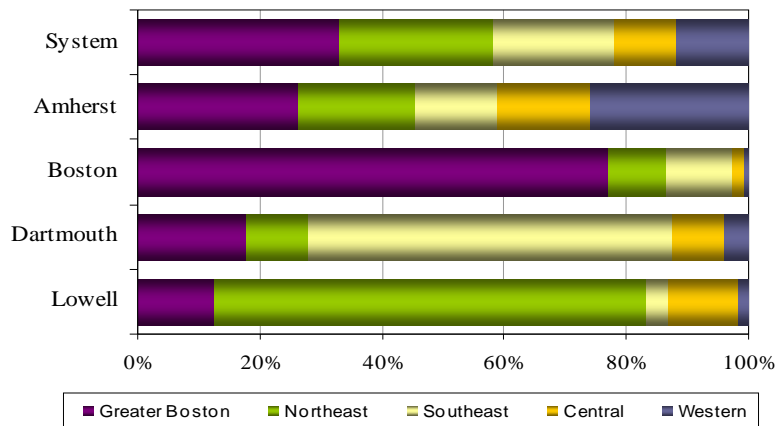
### Enrollment of Massachusetts Residents

Almost two of three (62%) Massachusetts residents enrolling in universities within the state as first-time undergraduates attend the University of Massachusetts.



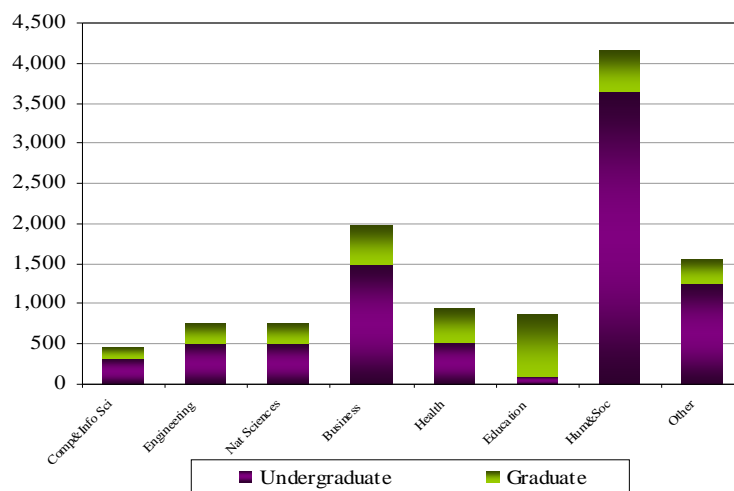
### Enrollment by Region

UMass serves undergraduate students from all regions of the Commonwealth, with UMass Boston drawing 77% from the greater Boston area, Dartmouth drawing 59% from Southeastern Massachusetts, and Lowell drawing 71% from the northeastern corner of the state. Twenty-six percent (26%) of Amherst's undergraduate students are from Western Massachusetts, and another 26% are from the Greater Boston area.



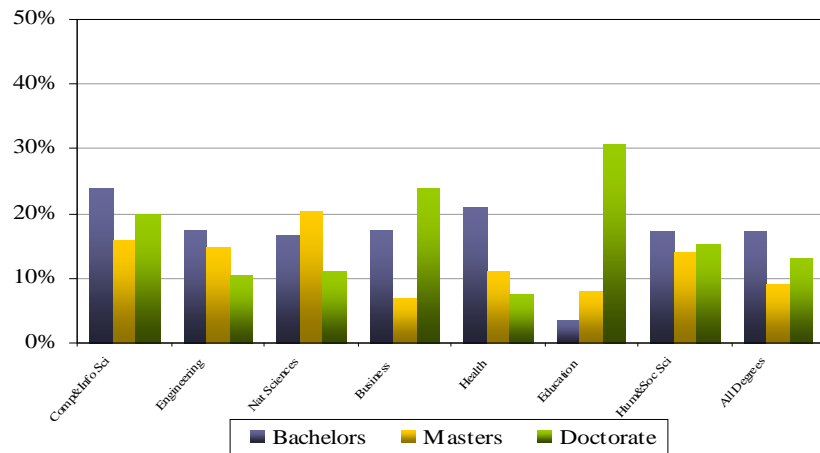
### Degrees Conferred by Field

Of the 11,463 degrees and certificates conferred by the University in 2005-06, almost three-quarters were at the undergraduate level and one-quarter at the graduate level. Thirty-six percent (36%) of degrees were in the humanities and social sciences, followed by 17% in business/management. The University awarded 450 degrees in computer and information sciences, 756 degrees in engineering, 753 degrees in the natural sciences, 946 degrees in health sciences and professions, 872 degrees in education (almost all of them at the graduate level), and 1,557 degrees in other fields, such as criminal justice, public affairs, and natural resources and conservation.



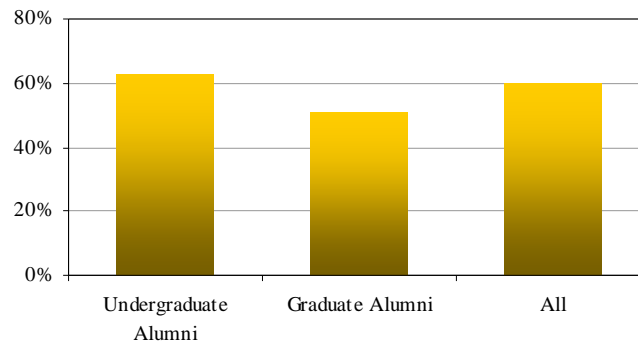
### UMass Degrees as % of Massachusetts Degrees

The University of Massachusetts annually awards 13.5% of baccalaureate and graduate degrees (17% of bachelors, 9% of master's degrees and 13% of doctoral degrees) in the state. The University's impact at the doctoral level in business and education is particularly high, as is its impact at the master's level in natural sciences, computer and information sciences, and engineering, and the bachelor's level in computer and information sciences and health (which includes nursing).



### Percentage of Graduates Who Live in Massachusetts

Almost two of three (63%) undergraduate alumni and more than half (51%) of the graduate alumni of the University live and work in the Commonwealth of Massachusetts.



### MTEL Science and Math Test-Takers

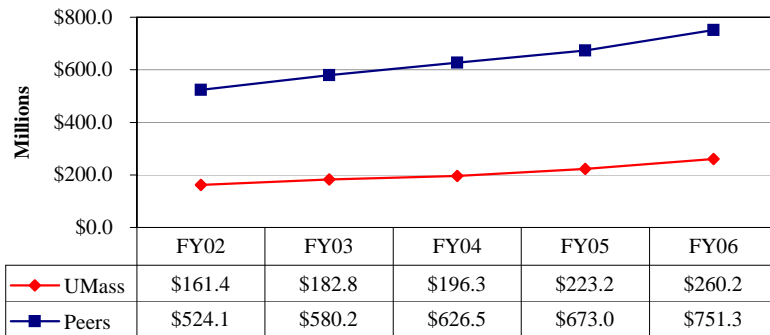
In 2005-06, 61 students who completed the University's teacher preparation program took the Massachusetts Tests for Educator Licensure (MTEL) in Science and Math subjects.

2003-04	2004-05	2005-06
50	72	<b>61</b>

## FINANCIAL HEALTH

### Endowment Assets

Despite a relatively small overall endowment, the growth in the market value of the University's endowment has outpaced the average of the peer systems in most years.

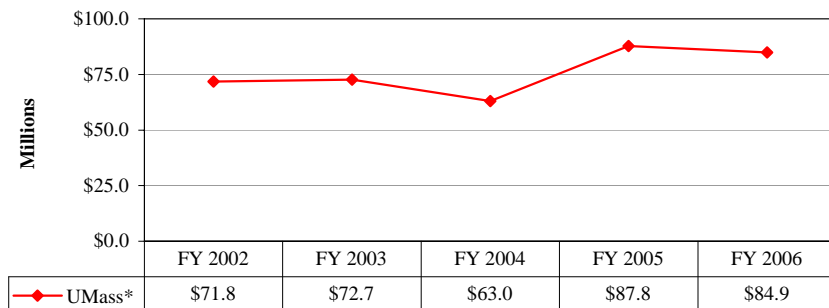


\* Peers do not include University of California

Annual growth rate	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006
UMass	0.3%	13.3%	7.4%	13.7%	16.6%
Peers	-3.1%	10.7%	8.0%	7.4%	11.6%

### Private Funds Raised Annually

The trend in private giving has been very positive in recent years. Overall there was an 18% increase in annual giving between FY2002 and FY2006.

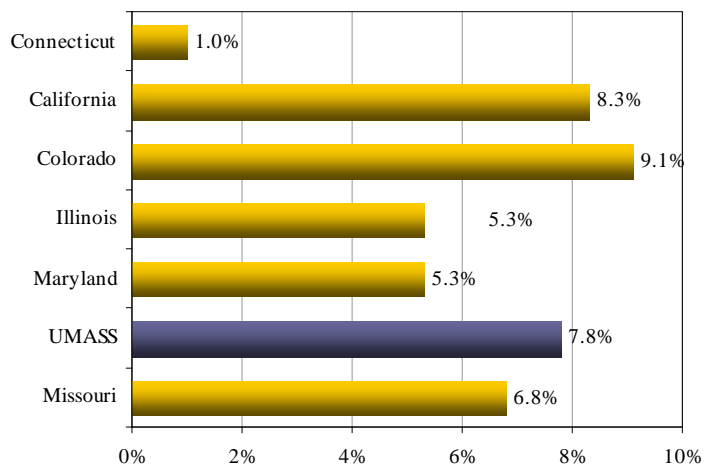


\* Includes cash, pledges and grants

### Return on Net Assets

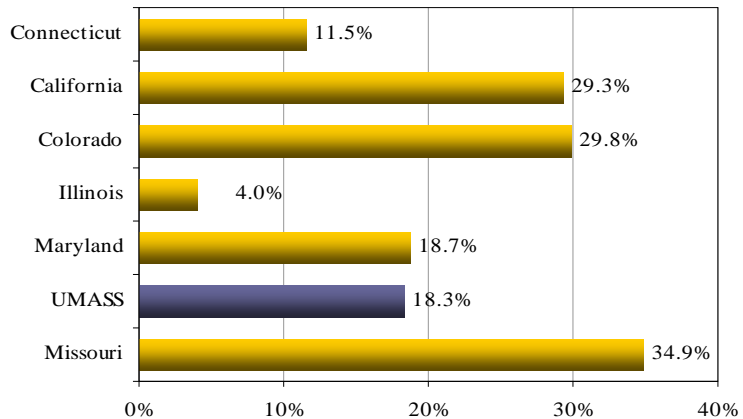
This measure provides a comprehensive measure of the growth or decline in total University wealth. This measure is best viewed over a longer period of time, however, it still helps to show if an institution is better off at the end of the fiscal year than at the beginning. A decline in this ratio may be appropriate if it reflects a strategy to fulfill mission such as investing in capital improvements.

In FY2006, the University's return on net assets compared favorably to that of the peer systems.



### Financial Cushion

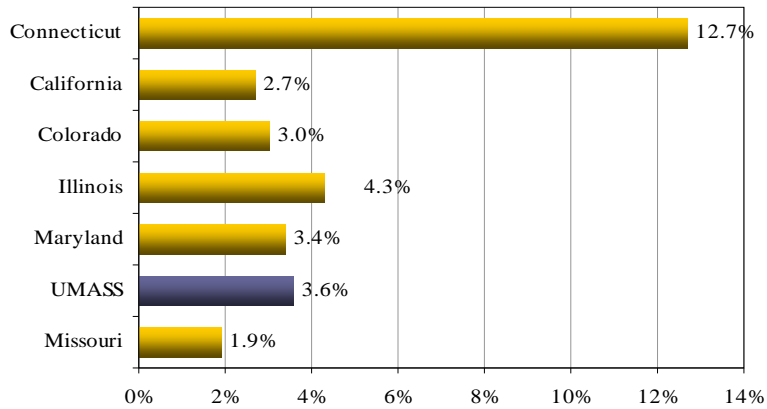
In FY2006, the University as a whole had a financial cushion of 18.3% which was within the range for the peer systems of 4.0% to 34.9%.



### Debt Service to Operations

Debt service as a percent of expenditures is a reflection of the demand that long-term commitments make on operational funds.

Rating agencies generally consider that a debt service ratio of greater than 10% represents an institution that is highly leveraged.



### Total Deferred Maintenance Cost

These new facilities indicators will be tracked annually. The total amount of deferred maintenance includes the amount needed to maintain the current functions of the campuses. This is the amount needed to address the deferred maintenance backlog plus the code work that would be mandated to allow campuses to continue to use space once repairs are complete.

The total deferred maintenance cost per square foot of space ratio quantifies the average dollar level of deferred maintenance work needed per square foot of space.

	FY 2006
Total Deferred Maintenance Cost	\$2,633,045,566
Deferred Maintenance per GSF	\$120.16

## DEFINITIONS AND SOURCES

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### ACADEMIC QUALITY INDICATORS

**Research Expenditures.** Data as reported to the National Science Foundation (NSF) through its annual Survey of R&D Expenditures at Universities and Colleges.

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

### 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 in 2005 inflation-adjusted dollars (latest available). Comparative data are from IPEDS and US Census.

**Percentage of undergraduate students from Massachusetts.** Percentage of Fall 2006 undergraduate state-supported students from in-state as determined by tuition residency classification. Data for Massachusetts private universities are from Fall 2005 IPEDS and the universities' institutional research offices.

**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.

### STUDENT SUCCESS AND SATISFACTION INDICATORS

**Percentage of undergraduate students of color.** Fall 2006 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 for 2006 public high school graduates are from the MA Department of Education.

### SERVICE TO THE COMMONWEALTH INDICATORS

**Enrollment of Massachusetts residents.** Number of first-year undergraduates enrolling at each institution who are residents of Massachusetts. Data for Massachusetts private universities are from Fall 2005 IPEDS and the universities' institutional research offices.

**Enrollment by region.** In-state undergraduate enrollment by region for Fall 2006.

**Degrees conferred by field.** 2005-06 degrees conferred by UMass campuses by field.

**UMass degrees as % of all Massachusetts degrees.** Degrees awarded by UMass as % of total degrees awarded by colleges and universities in the state in 2005-2006 based on IPEDS Completions Survey.

**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 2006.

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

### 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 (exception: Lowell's equipment gifts in-kind were not included). Comparable peer data are not available.

**Return on net assets.** Increase/decrease in net assets divided by total net assets at beginning of the year. Peer data from published financial statements.

**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.

**Total Deferred Maintenance (DM) Cost & Deferred Maintenance Cost (DM) per Square Foot of Space.** These new indicators better reflect the condition of campus facilities and are based on work being done with the facilities asset advisory firm *Sightlines* utilizing their *The Return on Physical Assets (ROPA sm)* methodology.



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

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

## PEER INSTITUTIONS FOR UMASS SYSTEM

### *Peer University Systems*

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

### *New England Public Universities*

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

### *Massachusetts Private Universities*

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

## HEADLINES FROM THE 2007 ANNUAL INDICATORS

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### ACADEMIC QUALITY

*The Top American Research Universities (TheCenter)* identifies seven performance indicators which reflect academic quality for evaluating the comparative performance of research universities. These public and private doctoral institutions, which include UMass Amherst, generate over \$20 million in federal research annually. The Amherst campus is comparing its progress on these measures with the 152 institutions with undergraduate programs in this group.

**Research.** Total and federal research dollars in science and engineering (R&D) are key measures of an institution's commitment to and success in research. The Amherst campus faculty has been successful in competing for these dollars. Total R&D spending increased by 24%, and per faculty expenditures increased by almost one-third in the past five years. The campus has retained its relative position among research universities; however it has consistently been below the median on research spending. Growth in the tenure system faculty will allow for growth in R&D spending.

**Faculty Quality.** The number of academic honors and awards bestowed on its faculty is another indicator of an institution's quality. UMass Amherst's faculty has shown considerable strength in this area and has received a wide range of awards. The campus is at the 34<sup>th</sup> percentile for faculty awards and at the 40<sup>th</sup> percentile for membership in the National Academies.

**Advanced Training.** The campus has also demonstrated strength in the education and training of pre- and post-doctoral researchers. Here, too, UMass Amherst ranked in the top half on the number of degrees awarded and for the number of post-doctorates receiving training.

**Academic Quality.** Over one-fifth of students at UMA (22%) receive aid in the form of Pell grants, making education more affordable for our neediest students. The academic profile of entering students has improved in recent years, evidenced by growth in both SAT scores and high school GPA. SAT scores have increased by 20 points since 2002 and are approaching the median for research universities. Similarly, the high school GPA of entering students rose from 3.38 to 3.46 in one year, and 90% of students entered UMA with a high school GPA of 3.0 and above. Additionally, graduating seniors report high satisfaction with their undergraduate experience. Results from the UMA Senior Survey show that over 90% of graduates report satisfaction with their overall experience in the major.

### ACCESS AND AFFORDABILITY

Providing an affordable and accessible education of high quality is stated in the University's mission. Over one-fifth of students at UMA (22%) receive aid in the form of Pell grants, making education more affordable for our neediest students. The campus will continue to increase institutional need-based aid.

### STUDENT SUCCESS AND SATISFACTION

UMass Amherst students have a positive educational experience. Eighty-three percent of students return for their sophomore year, and two-thirds graduate within six years. The one-year rate is slightly lower than other research extensive institutions. However, the six-year rate is comparable to other public research extensive institutions. The expectation is that investment in residential programs like the First Year Experience, and expansion of mechanisms to assess and improve undergraduate education will enhance the learning experience and result in higher retention and graduation rates.

### SERVICE TO THE COMMONWEALTH

The Amherst campus has invested in programs to promote the enrollment and graduation of undergraduate and graduate students in the sciences and mathematics. In fall 2006, 20% of baccalaureate students and 27% of master's and doctoral students were enrolled in STEM programs. These investments will continue.

### 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. Although the endowment and levels of private dollars raised in recent years have shown strong gains, the campus is well below other research universities on these measures. These amounts are expected to grow as the campus moves through the active phase of its capital campaign. Investment in capital improvements and restoration of faculty are necessary if the campus is to remain nationally competitive. Through these investments, the campus will enhance its academic mission and bolster its standing as a major public university. More information can be found in the FY2007 Financial Indicators Report.

## 2007 ANNUAL INDICATORS AT A GLANCE

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### ACADEMIC QUALITY

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• Average HS GPA of Freshmen	3.46
• SAT Scores of Freshmen	
<i>Median</i>	1140
<i>25<sup>th</sup> – 75th Percentile</i>	1050 – 1240
• Licensure/Certification Pass Rates	
<i>Massachusetts Teacher Test</i>	96%
<i>Registered Nurse</i>	89%
• Satisfaction With Major (UMA Senior Survey)	93%
• No. of Doctorates Awarded	253
• No. of Postdoctoral Appointees	182
• Total R&D Expenditures (\$000)	\$136,057
• Federal R&D Expenditures (\$000)	\$69,642
• Total R&D/Faculty	\$142,468
• Federal R&D/Faculty	\$72,924
• New Tenured/Tenure-Track Faculty Hired	61
• Change in Tenured/Tenure-Track Faculty	+7
• Change in Faculty FTE	+18
• Faculty Awards	13
• National Academy Members	9

### ACCESS AND AFFORDABILITY

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• % Pell Grant Recipients	22%
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### STUDENT SUCCESS AND SATISFACTION

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• Freshman One-Year Retention Rate	83%
• Freshman Six-Year Graduation Rate	66%

### SERVICE TO THE COMMONWEALTH

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• Enrollment in STEM Programs	
<i>Undergraduate</i>	3,792 (20%)
<i>Graduate</i>	1,386 (27%)
• Degrees Awarded in STEM Fields	
<i>Undergraduate</i>	847 (21%)
<i>Graduate</i>	347 (25%)

### FINANCIAL HEALTH

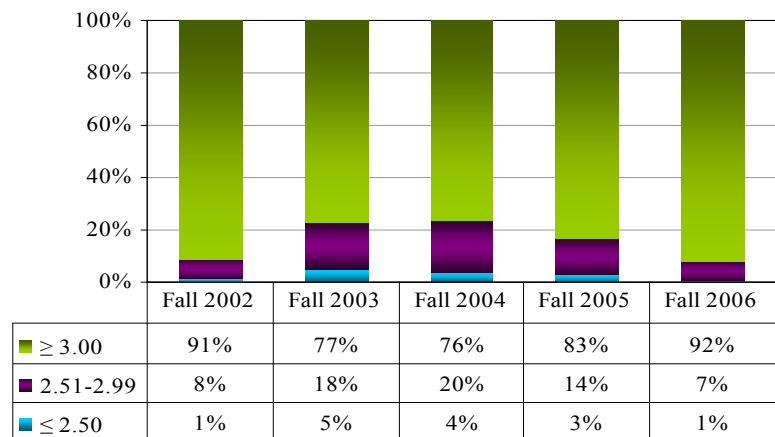
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• Endowment (\$000)	\$113,724
• Endowment Per Student	\$5,164
• Private Funds Raised Annually (\$000)	\$33,401
• Return on Net Assets	8.4%
• Financial Cushion	16.7%
• Debt Ratio	4.8%

## ACADEMIC QUALITY

### High School GPA of Freshmen

UMass Amherst entering first-year students are strong academically with high school GPAs approaching 3.5. The Fall 2006 entering class was the strongest in the five year period with over 90% of students earning a GPA of 3.0 and above in high school.



Mean GPA	2002	2003	2004	2005	2006
UMA	3.42	3.28	3.29	3.38	<b>3.46</b>

### SAT Scores of Freshmen

The SAT profile of UMass Amherst students is somewhat below that of other research universities. However, the UMA median score has increased by 20 points since fall 2002. The median score of the peer group has been static.

SAT Score	2002	2003	2004	2005	2006
<b>UMA Median</b>	1120	1140	1130	1140	<b>1140</b>
25th %ile	1020	1050	1050	1050	<b>1050</b>
75th %ile	1230	1230	1220	1240	<b>1240</b>
<b>Peer Median</b>	1165	1165	1165	1165	<b>1165</b>
25th %ile	1060	1060	1070	1070	<b>1065</b>
75th %ile	1270	1270	1260	1260	<b>1270</b>
UMA %ile Rank	59%	60%	60%	57%	<b>55%</b>

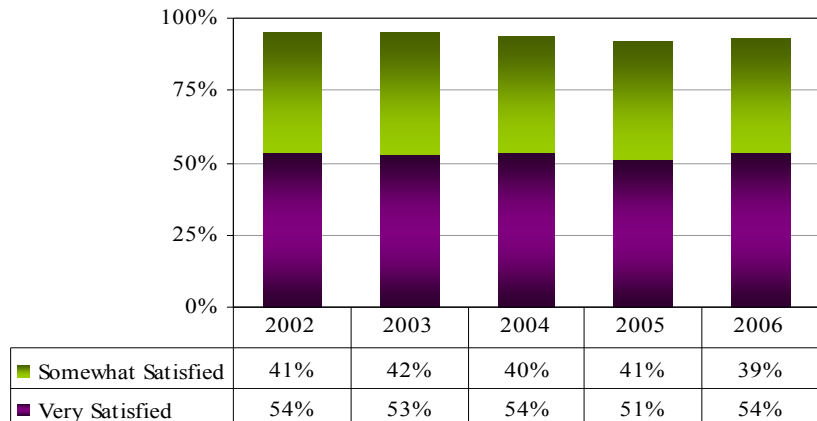
### Licensure and Certification Test Pass Rates

Ninety-six percent of program completers passed the Educator licensure exam in 2006. The rate has been consistently high for the campus and is similar to the state average. In 2006, the first-time pass rate for Nursing was slightly higher than national pass rates. The number of students taking these exams represent a small portion of the campus's graduates.

Pass Rates	Educator Licensure		Registered Nurse	
	2005	2006	2005	2006
UMA Test Takers	236	<b>244</b>	99	<b>88</b>
UMA Pass Rate	95%	<b>96%</b>	77%	<b>89%</b>
State Pass Rate	96%	<b>97%</b>	NA	<b>NA</b>
National Pass Rate	NA	<b>NA</b>	87%	<b>88%</b>

## Student Satisfaction with Major

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



## Number of Doctorates Awarded

The number of doctorates awarded at UMA has fluctuated in recent years. However, UMA has consistently scored well above the peer median on this measure.

<i>Doctorates</i>	2002	2003	2004	2005	2006
<i>UMA</i>	287	213	274	267	<b>253</b>
<i>Peer Median</i>	176	178	183	188	<b>NA</b>
<i>%ile Rank</i>	28%	42%	32%	37%	<b>NA</b>

## Postdoctoral Appointees

UMass Amherst senior faculty mentor recent PhDs with science and engineering degrees who wish to receive advanced research training. UMass's rank is above the peer median, evidence of strong research programs in these areas.

<i>Post-Docs</i>	2002	2003	2004	2005	2006
<i>UMA</i>	142	161	173	166	<b>182</b>
<i>Peer Median</i>	131	137	139	NA	<b>NA</b>
<i>%ile Rank</i>	46%	43%	43%	NA	<b>NA</b>

## Research Expenditures

Total R&D spending in FY06 was \$140.2 million, of which \$136 million was in science and engineering (S&E). S&E expenditures increased by almost one-fourth in total dollars and 27% in federal dollars since FY2002. Both total and federal S&E dollars per faculty have increased by about one-third in that same period. Although the campus has retained its relative position among those institutions with \$20 million or more in Federal R&D, it has consistently been below the median on research spending.

<b>Total S&amp;E Research (\$000's)</b>	2002	2003	2004	2005	2006
<i>UMA</i>	\$109,332	\$111,235	\$120,787	\$127,488	<b>\$136,057</b>
<i>Peer Median</i>	\$150,598	\$157,017	\$168,132	NA	NA
<i>%ile Rank</i>	61%	61%	61%	NA	NA

<b>Federal S&amp;E Research (\$000's)</b>	2002	2003	2004	2005	2006
<i>UMA</i>	\$54,770	\$64,111	\$65,452	\$66,921	<b>\$69,642</b>
<i>Peer Median</i>	\$77,742	\$83,978	\$92,290	NA	NA
<i>%ile Rank</i>	61%	60%	62%	NA	NA

<b>Per Tenure System Faculty FTE</b>	2002	2003	2004	2005	2006
<i>Total</i>	\$107,865	\$122,317	\$135,063	\$138,049	<b>\$142,468</b>
<i>Federal</i>	\$54,035	\$70,498	\$73,188	\$72,465	<b>\$72,924</b>

## New Tenured/Tenure-Track Faculty Hired

The campus is in the process of rebuilding the tenure-system faculty. Of the 125 new hires in the past two years, 25 were new positions, and the remainder was replacements for faculty who left. Ninety-three new tenure-system faculty positions have been allocated in FY06 and FY07 as part of the Amherst 250 Plan, many of which remain to be filled.

	<i>AY 2005-2006</i>	<i>AY 2006-2007</i>
<i>UMA</i>	64	<b>61</b>

## Change in Tenured/Tenure-Track Faculty

Fall 2006 saw a net gain of seven in the tenure-system faculty. Investment in faculty is required to maintain the campus as a nationally competitive public research university. Continued growth is expected for 2007-08.

	<i>Fall 2004</i>	<i>Fall 2005</i>	<i>Fall 2006</i>	<i>1-year Change</i>
<i>UMA</i>	921	958	<b>965</b>	7

## Change in Faculty FTE

The increase in the number of full-time equivalent instructional faculty in Fall 2005 and Fall 2006 was split between the tenure and non-tenure system faculty. It is anticipated that this and future increases will have an impact on the quality of the campus's instructional programs.

	<i>Fall 2004</i>	<i>Fall 2005</i>	<i>Fall 2006</i>	<i>1-year Change</i>
<i>UMA</i>	1,180	1,221	<b>1,239</b>	18

## Faculty Awards

UMass Amherst faculty members are recipients of many prominent awards in the arts, humanities, science, engineering and health fields. The campus has consistently ranked above the peer median on this measure, and is within the top third among its peers.

<i>Awards</i>	<i>2001</i>	<i>2002</i>	<i>2003</i>	<i>2004</i>	<i>2005</i>
<i>UMA</i>	14	10	15	10	<b>13</b>
<i>Peer Median</i>	8	9	7	9	<b>8</b>
<i>%ile Rank</i>	32%	42%	40%	43%	<b>34%</b>

## National Academy Members

Several UMass faculty members have been elected to some of the most prestigious disciplinary organizations: the National Academy of Science, the National Academy of Engineering, or the Institute of Medicine. These are some of the highest honors academic faculty can receive. Like faculty awards, the campus ranks above its peers on this measure.

<i>Members</i>	<i>2001</i>	<i>2002</i>	<i>2003</i>	<i>2004</i>	<i>2005</i>
<i>UMA</i>	9	9	7	7	<b>9</b>
<i>Peer Median</i>	6	6	6	6	<b>6</b>
<i>%ile Rank</i>	42%	41%	47%	45%	<b>40%</b>

## ACCESS AND AFFORDABILITY

### % Pell Grant Recipients

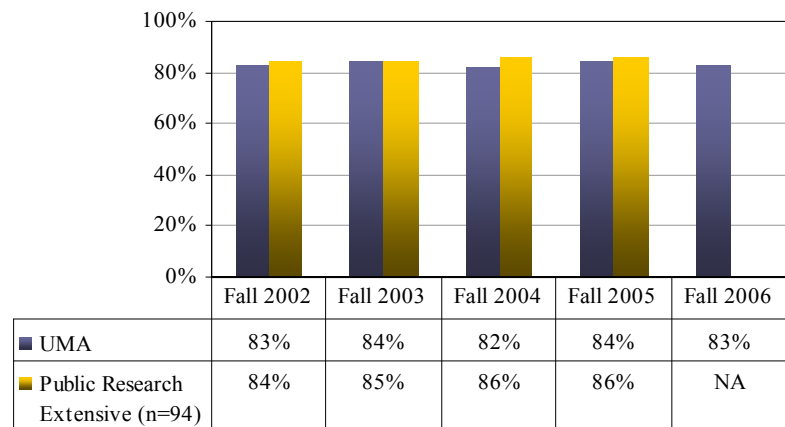
Over 20% of UMA undergraduate students receive support in the form of Pell grants. This number is quite favorable as compared with the other 247 National Universities (as defined by US News & World Report) where the Amherst campus ranks in the second quintile.

	<i>Fall 2005</i>	<i>Fall 2006</i>
<i>UMA</i>	23%	<b>22%</b>

## STUDENT SUCCESS AND SATISFACTION

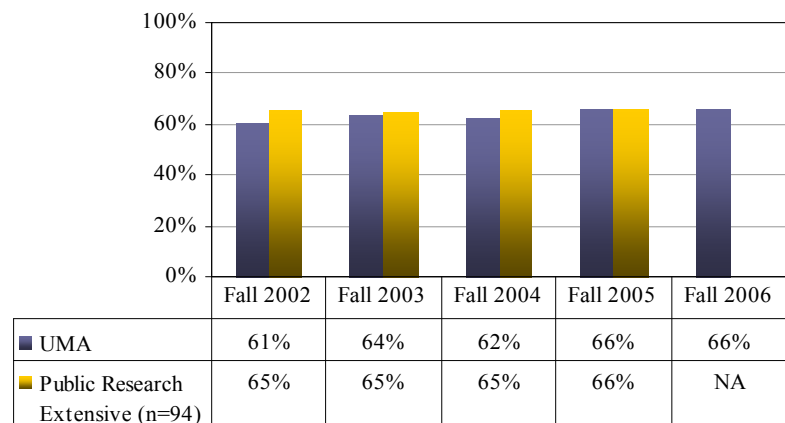
### Freshman One-Year Retention Rate

The one-year retention is somewhat below the peer average. Improving student retention is a campus priority, and new strategies are being developed to accomplish this goal.



### Freshman Six-Year Graduation Rate

Two-thirds of full-time Amherst campus students graduate within six years of entrance. The 2006 rate is comparable to that of 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.



## SERVICE TO THE COMMONWEALTH

### Enrollment in STEM Programs

There are several initiatives on the Amherst campus to promote the enrollment and graduation of students in science, technology, engineering and mathematics (STEM) fields. Presently, 20% of baccalaureate students and 27% of master's and doctoral students are enrolled in such programs.

#### Undergraduate

UMA	Fall 2004	Fall 2005	Fall 2006
<b>Total</b>	18,378	18,812	<b>19,299</b>
<b>STEM</b>	3,763	3,620	<b>3,792</b>
<b>% STEM</b>	20%	19%	<b>20%</b>

#### Graduate

UMA	Fall 2004	Fall 2005	Fall 2006
<b>Total</b>	4,898	4,890	<b>5,067</b>
<b>STEM</b>	1,442	1,402	<b>1,386</b>
<b>% STEM</b>	29%	29%	<b>27%</b>



## Degrees Awarded in STEM Fields

The proportion of undergraduate and graduate students receiving degrees in STEM disciplines tends to mirror the enrollment in these programs.

### Undergraduate

UMA	2003-04	2004-05	2005-06
<i>Total Degrees</i>	3,919	4,262	<b>4,038</b>
<i>STEM</i>	754	865	<b>847</b>
<i>% STEM</i>	19%	20%	<b>21%</b>

### Graduate

UMA	2003-04	2004-05	2005-06
<i>Total Degrees</i>	1,332	1,411	<b>1,402</b>
<i>STEM</i>	392	372	<b>347</b>
<i>% STEM</i>	29%	26%	<b>25%</b>

## FINANCIAL HEALTH

### Endowment per Student

The campus endowment is one of the lowest in the country for a public flagship campus. The total endowment increased by 25% over the last year, and will continue to show improvement over the next several years.

<i>Endowment per FTE</i>	FY 2004	FY 2005	FY 2006
<i>UMA</i>	\$3,830	\$4,232	<b>\$5,164</b>
<i>Peers</i>	\$16,426	\$18,529	<b>\$19,769</b>

<i>Endowment (\$000's)</i>	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006
<i>UMA</i>	\$59,793	\$65,951	\$81,880	\$91,193	<b>\$113,724</b>
<i>Annual % change</i>	0%	10%	24%	11%	<b>25%</b>

### Private Funds Raised Annually

Private funds raised have increased by almost 25% in one year. They are expected to grow over the next five years as the campus embarks on a capital campaign to raise endowment for new faculty and secure capital gifts for new construction and renovation.

<i>Private Funds (\$000's)</i>	FY 2004	FY 2005	FY 2006
<i>UMA</i>	\$26,326	\$27,027	<b>\$33,401</b>

### Return on Net Assets

Return on net assets for the campus is above the peer average. However, this ratio will decline sharply in future years as a result of higher depreciation and interest costs and more moderate investment income gains.

	FY 2005	FY 2006
<i>UMA</i>	5.42%	<b>8.4%</b>
<i>Peers</i>	-	<b>3.0%</b>

## Financial Cushion

Financial cushion represents an institution's capacity to sustain itself during difficult financial times. Although lower than its peers, the ratio for the Amherst campus still compares favorably. The financial cushion will decline over the next five years as accumulated unrestricted funds which have been designated for capital improvements are spent on these projects.

	<i>FY 2004</i>	<i>FY 2005</i>	<b><i>FY 2006</i></b>
<i>UMA</i>	16.8%	15.2%	<b>16.7%</b>
<i>Peers</i>	21.5%	22.4%	<b>22.5%</b>

## Debt Service to Operations

The debt service ratio for the campus is at the level of its peers but will escalate over the next five years to over 6% of operations to cover the cost of new construction and major renovations to existing space.

	<i>FY 2004</i>	<i>FY 2005</i>	<b><i>FY 2006</i></b>
<i>UMA</i>	3.2%	3.7%	<b>4.8%</b>
<i>Peers</i>	6.2%	5.9%	<b>4.9%</b>

## DEFINITIONS AND SOURCES

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### 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 25<sup>th</sup> and 75<sup>th</sup> percentile (middle range) and median SAT scores of all first-year students. ACT scores are converted to SAT scores for those institutions using the ACT. Peer data are from *The Top American Research Universities* and IPEDS.

**Licensure and certification test pass rates.** Pass rates on Massachusetts Tests for Educator Licensure (undergraduate and graduate) and Registered Nurse Licensure Exam. Registered Nurse pass rates are reported for first-time test takers only.

**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.

**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*.

**Research expenditures.** R&D expenditures in all sciences and engineering 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 in all science and engineering fields, divided by total tenure system faculty.

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

**Change in Tenured/Tenure-Track Faculty.** The difference in the number of tenured/tenure-track faculty from one fall semester to the next. Includes faculty members who are on paid leave. Does not include individuals whose primary responsibility is administrative.

**Change in Faculty FTE.** The difference in the total FTE, from one fall semester to the next, for all full-time and part-time instructional faculty teaching state-supported courses. The FTE for part-time faculty is based on the FTE as recorded on the Human Resources system. Includes faculty members who are on paid leave. Does not include individuals whose primary responsibility is administrative.

**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.

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

### ACCESS AND AFFORDABILITY INDICATORS

**Percent of undergraduates who receive Federal Pell Grants.** Federal Pell Grants are awarded to low-income undergraduates based on their expected family contribution. Data as reported by campuses to the UMass President’s Office in the Financial Aid Template.

### 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.

**SERVICE TO THE COMMONWEALTH INDICATORS**

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

**Degrees 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.

**FINANCIAL HEALTH INDICATORS**

**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 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 cash donations, pledges, and gifts in kind made in that year.

**Return on net assets.** Increase/decrease in net assets divided by total net assets at beginning of the year. Peer data from published financial statements.

**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.

**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 2003. Excluded from this reference group of 148 universities are 39 institutions that do not have an undergraduate program (e.g., medical schools). These institutions are listed in *The Top American Research Universities, 2006 Annual Report from The Center for Measuring University Performance* at Arizona State University. 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, Santa Barbara  
University of Colorado, Boulder  
University of Connecticut  
University of Maryland College Park

## HEADLINES FROM THE 2007 ANNUAL INDICATORS

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### ACADEMIC QUALITY

#### Improve student learning experience

We continue to attract well-qualified freshmen and transfers to our entering classes in greater numbers. We place emphasis on the high school GPA for admissions decisions and have successfully increased the average over the last five years. The quality of our students' academic achievement is also demonstrated by the fact that, since 1999, we have had one Woodrow Wilson Foundation Thomas Pickering Foreign Affairs Fellowship awardee, 4 Fulbright awardees, one British Marshall scholar and 2 Rhodes semi-finalists. In 2006 a record number of 5 students applied for the Fulbright scholarship and 5 applied for the Jack Kent Cooke award. The total of 10 students was a record. One of the three applicants for the Fulbright is a finalist to the United Kingdom.

#### Strengthen research and development

Research dollars per faculty member grew again this year from \$31,925 in FY 02 to \$58,166 in FY 06, an increase of 70%. Since FY 02, R&D expenditures have increased 60% to \$21 million.

Sponsored Instruction and Outreach has also shown significant growth, from \$27,518 per faculty member in FY 02 to \$51,716 in FY 06, an increase of 88%. We are very pleased with this progress.

#### Renew faculty

We welcomed 23 new tenured or tenure-track faculty to UMass Boston in AY 2006/2007. With retirements, this meant a decrease of 4 tenure/tenure-track faculty. We are launching a new faculty orientation program that will assist with the transition to a successful faculty career.

### 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. UMass Boston is the most diverse public university in all of New England with over 2,500 undergraduates. In Fall 2006, 42% of our undergraduate students were US students of color. The diversity of our student population has continued to increase along with steady increases in admissions standards.

#### ACCESS AND AFFORDABILITY

We continue to serve residents of Greater Boston communities by fulfilling our mission of access to diverse populations. UMass Boston serves large numbers of minority students, first-generation college students, transfers, and students with English as a second language. Our students are also diverse in age and national origin. Our graduates speak over 90 different

languages in their homes, reflecting enrollments from regional immigrant communities from many different parts of the world.

The social and economic diversity of our students is illustrated by our Pell grant figures. Over 30% of our full time undergraduate students from Massachusetts receive Pell grants, which are federal funds targeted for those students most in financial need.

### SERVICE TO THE COMMONWEALTH

UMass Boston's Division of Corporate, Continuing, and Distance Education continues to see an increase in online course registrations. Between Fall 2002 and Fall 2006, the registrations increased 254%. We currently offer two bachelor's degree programs and six graduate programs online. Further, we offer 33 credit and non-credit certificate programs in a combination of on-ground and online formats to the corporate and professional community.

Over ninety percent of our students are from Massachusetts and almost 80% of our alumni reside in Massachusetts, where they contribute to the economy and civic life of the Commonwealth.

UMass Boston devotes a high proportion of research and public service activities to the cultural, social, and economic development of the Commonwealth and global community. In addition to applied research which addresses policy needs of the Boston area and the state, the campus is heavily engaged in a wide range of outreach activities, including our partnerships with the Dorchester Education Complex, the Dana Farber Harvard Cancer Consortium, and Children's Hospital. This was reflected in our designation this year by the Carnegie Foundation for the Advancement of Teaching as one of only 62 institutions recognized for outreach and partnerships and for curricular community engagement.

### FINANCIAL HEALTH

The campus' financial position improved slightly in fiscal year 2006 as measured by the return on net assets and the financial cushion ratio. The net assets increased from the previous year due to an increase in enrollment. The increase was tempered by increased costs in a number of areas, including debt service, energy, financial aid, PeopleSoft implementation and depreciation. The cushion ratio increased at a small rate. The debt service to operations ratio remains slightly unfavorable to our peers as the campus continues its efforts to address deferred maintenance and modernize classrooms, including classroom technology. The campus remains in overall sound financial health. Next year's budget will reflect the priorities in our new Strategic Plan, *UMass Boston Renewal: Fidelity to Urban Mission*.

## 2007 ANNUAL INDICATORS AT A GLANCE

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### ACADEMIC QUALITY

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• High School GPA of Freshmen	2.97
• SAT Scores of Freshmen (25 <sup>th</sup> -75 <sup>th</sup> )	960 - 1140
• Average GPA of Entering Transfers	3.01
• Licensure/Certification Pass Rates	
<i>Mass Teacher Certification Test</i>	97%
<i>NCLEX (Nursing)</i>	84%
• % Senior Rating Educational Experience “Good” or “Excellent”	87%
• Number of Students Enrolled in For-Credit Internships	1,307
• Research Per Faculty	\$58,166
• Sponsored Instruction & Outreach/Faculty	\$51,716
• New Tenure/Tenure-Track Faculty Hired	23
• Change in Tenured/Tenure-Track Faculty	-4
• Change in Faculty FTE	13

### ACCESS AND AFFORDABILITY

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• % Pell Grant Recipients	31%
• % Undergraduate Students from MA	93%
• Enrollment in Distance/Online Courses	5,768
• Rate of Growth in Distance Education Enrollments	23%

### STUDENT SUCCESS AND SATISFACTION

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• % Undergraduate ALANA Students	42%
• % First Generation College Students	53%
• % Undergraduates Who Speak English as a Second Language	37%
• Freshmen One-Year Retention Rate	70%
• Freshmen Six-Year Graduation Rate	36%
• Transfer One-Year Retention Rate	75%
• Transfer Four-Year Graduation Rate	63%

### SERVICE TO THE COMMONWEALTH

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• % of Graduates Who Live in Massachusetts	78%
• Enrollment in STEM Programs	1,491 (14%)
• Degrees Awarded in STEM Fields	219 (9%)

### FINANCIAL HEALTH

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• Endowment Per Student	\$2,787
• Annual Growth in Endowment	10%
• Private Funds Raised Annually (\$000s)	\$9,848
• Return on Net Assets	0.50%
• Financial Cushion	6.5%
• Debt Service to Operations	5.33%

## ACADEMIC QUALITY

### High School GPA of Freshmen

The average GPA of entering first time freshmen at UMB has increased from 2.92 in Fall 2002 to 3.03 in Fall 2004 (when we had the smallest number of entering freshmen in the past ten years) and 2.97 in Fall 2006. GPA scores are closely linked to success in college.

	Fall 2002	Fall 2003	Fall 2004	Fall 2005	Fall 2006
$\geq 3.00$	41%	48%	54%	50%	<b>45%</b>
2.50 - 2.99	43%	45%	37%	36%	<b>38%</b>
<2.50	16%	7%	10%	14%	<b>16%</b>
<i>Average</i>	2.92	2.97	3.03	3.02	<b>2.97</b>

First time freshmen are about one third of our new students each Fall, two thirds are transfer students.

### SAT Scores of Freshmen

The quartile average SAT scores of entering freshmen have decreased slightly from Fall 2005 to Fall 2006.

	Fall 2002	Fall 2003	Fall 2004	Fall 2005	Fall 2006	Fall 2005 Peers
75th %ile	1130	1110	1120	1160	<b>1140</b>	1181
25th %ile	970	950	950	970	<b>960</b>	953

### 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 has risen from 2.95 in Fall 2002 to 3.05 in Fall 2004 and 3.01 in Fall 2006. There are no comparable peer data for this indicator.

	Fall 2002	Fall 2003	Fall 2004	Fall 2005	Fall 2006
<i>UMB</i>	2.95	3.03	3.05	3.03	<b>3.01</b>

### Licensure and Certification Test Pass Rates

#### National Council Licensure Examination for Registered Nurses

The first time test taker pass rates dropped by 6% from 2005 to 2006, falling below the national average for the first time in many years. The college is vigorously investigating the reasons for this change. We are piloting supplemental course software, self-study modules and are in the midst of a curriculum change that will address the issues discovered through our evaluation processes.

	2002	2003	2004	2005	2006
<i>UMB First Time Taker Pass Rate</i>	88%	91%	92%	90%	<b>84%</b>
<i>National Pass Rate</i>	87%	87%	85%	87%	<b>88%</b>

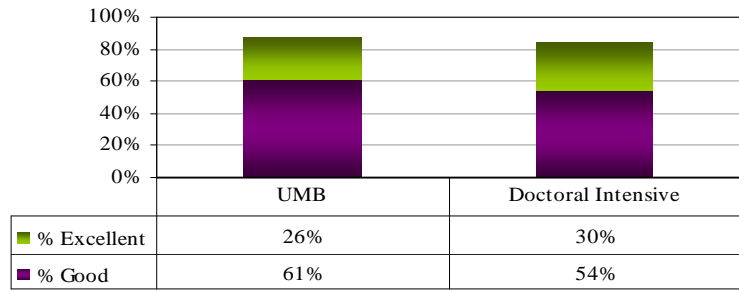
#### Mass Teacher Certification Pass Rate

Certification pass rates have decreased from 99% to 97%. UMB's pass rate continues to be consistent with the State average.

	2001/2002	2002/2003	2003/2004	2004/2005	2005/2006
<i>UMB</i>	95%	88%	96%	99%	<b>97%</b>
<i>State average</i>	91%	97%	95%	96%	<b>97%</b>

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

Over 87% of seniors responding to the National Survey of Student Engagement rated their experience at UMass Boston as "good" or "excellent." This compares very favorably with the 84% of seniors at all responding Doctoral Intensive institutions who rated their experience similarly.



### Number of Students Enrolled in For-Credit Internships

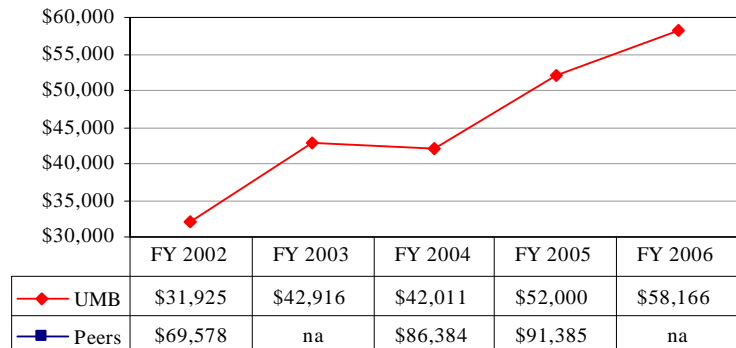
Efforts to increase student participation in internships have been highly successful, increasing from 191 in Fall 2002 to over 1,300 in Fall 2005 and Fall 2006.

	Fall 2002	Fall 2003	Fall 2004	Fall 2005	Fall 2006
UMB	191	658	940	1,376	<b>1,307</b>

### Research per Faculty

R&D per faculty member grew by 11.8% in 2006 and by 82.2% between FY 2002 and FY 2006.

In calculating peer data, we excluded the University of Illinois Chicago and the University of Louisville which have Medical Schools. Our new Financial Peers have considerable research activity. UMass Boston's growth rate from 2002 to 2005 62.9% exceeds our peer growth rate of 31.3%



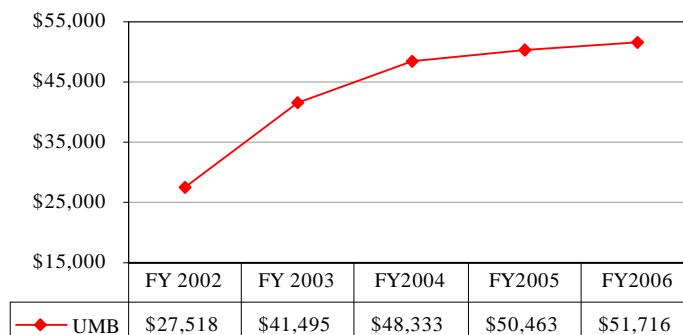
Total R&D Expenditures as reported in NSF (\$000's)

	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006
	\$13,121	\$15,793	\$15,460	\$18,148	<b>\$21,056</b>

### Sponsored Instruction & Outreach per Faculty

UMB's sponsored activity in Instruction and Public Service continued to grow in FY 2006, albeit at a slower pace than prior years. The cumulative 88% growth since FY 2002 reflects a 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.





### New Tenured/Tenure-Track Faculty Hired

In AY 2006 - 2007 UMass Boston was successful in recruiting 23 new tenured or tenure-track faculty. 26% of the new faculty were persons of color, and 78% were female.

	AY 2005-2006	AY 2006-2007
<i>UMB</i>	38	<b>23</b>

### Change in Tenured/Tenure-Track Faculty

New faculty hiring and faculty retirements resulted in a decline of 4 tenure/tenure-track faculty between Fall 2005 and Fall 2006.

	Fall 2004	Fall 2005	Fall 2006	1-year Change
<i>UMB</i>	349	362	<b>358</b>	-4

### Change in Faculty FTE

The full-time equivalent faculty count increased by 13 FTE between Fall 2005 and Fall 2006.

	Fall 2004	Fall 2005	Fall 2006	1-year Change
<i>UMB</i>	578	577	<b>590</b>	13

## ACCESS AND AFFORDABILITY

### % Pell Grant Recipients

About one third of full time, in-state undergraduate applicants for financial aid are eligible for Pell Grants. Pell grants are typically awarded to undergraduates with family income under \$40,000.

	Fall 2005	Fall 2006
<i>UMB</i>	32%	<b>31%</b>

### % Undergraduate Students from Massachusetts

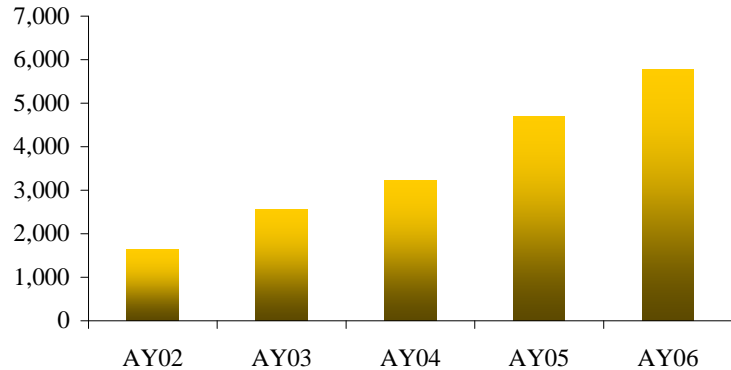
UMB serves primarily undergraduate students from Massachusetts. We also attract international and out-of-state students. In Fall 2006, 7% of our undergraduate students were international or out-of-state students.

	Fall 2002	Fall 2003	Fall 2004	Fall 2005	Fall 2006
<i>Number</i>	8,217	7,975	7,397	7,437	<b>7,706</b>
<i>Percent</i>	90%	91%	92%	92%	<b>93%</b>

## Enrollments in Distance/Online Courses

Class registrations have grown significantly from the first offerings of online instruction in the summer of 2000, from 268 to 5,768 in AY2006

AY06 enrollment includes Summer 2005, Fall 2006, Winter 2006-2007 and Spring 2007.



## Rate of Growth in Distance Education Enrollments

Online course enrollment has grown very rapidly over the last five years.

Between AY02 and AY06, the course registrations have grown 254%.

	AY02	AY03	AY04	AY05	AY06
<i>UMB</i>	1,631	2,569	3,220	4,681	<b>5,768</b>
<i>Annual Rate of Growth</i>		58%	25%	45%	<b>23%</b>

## STUDENT SUCCESS AND SATISFACTION

### % Undergraduate ALANA Students

Two-fifths of all undergraduates at UMB are students of color, whereas only 17% of the population of the area from which we draw (Mass portion of the PMSA, Census 2005) are persons of color. UMB continues to be the most diverse public university with over 2,500 undergraduates in New England.

	Fall 2002	Fall 2003	Fall 2004	Fall 2005	Fall 2006
<i>Number</i>	2,655	2,608	2,525	2,733	<b>3,200</b>
<i>Percent</i>	39%	40%	41%	41%	<b>42%</b>

### % First Generation College Students

Question: *Did either of your parents receive a Bachelor's degree?*

	2002	2003	2004	2005	2006
<i>Alumni Survey</i> : % reporting that neither of their parents had received a Bachelor's degree.	64%			n/a	<b>n/a</b>
<i>NSSE</i> : % reporting that neither of their parents had received a Bachelor's degree.	56%		59%	n/a	<b>n/a</b>
<i>CIRP</i> : % reporting neither of their parents had received a Bachelor's degree.		52%	57%	n/a	<b>53%</b>

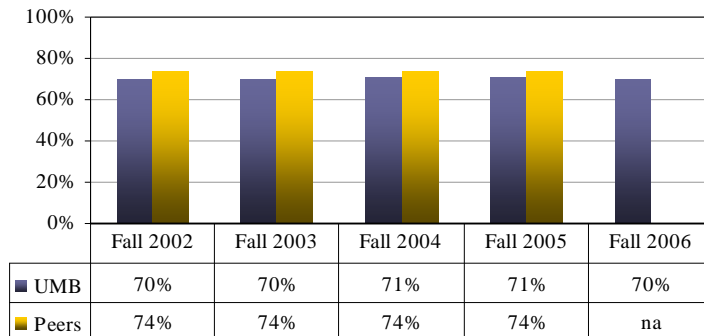
### % Undergraduates who Speak English as a Second Language

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

	2002	2003	2004	2005	2006
<i>Retention Study 2002: Fall 00 First Time, Full-Time Freshmen</i>	42%			n/a	<b>n/a</b>
<i>Graduating Senior Survey: August 02, May 03, May 04&amp;05</i>	39%	37%	36%	35%	<b>n/a</b>
<i>First Time, F-T Freshmen CIRP: Is English your native language? % responded 'No'.</i>		35%	38%	n/a	<b>37%</b>
<i>NSSE 2004: Combined Freshman and Seniors</i>			44%	n/a	<b>n/a</b>

### Freshmen One-Year Retention Rate

The one year retention rate for freshmen has been relatively stable over the last five years despite significant increases in tuition and fees. It remains lower than our peer average. All peers have residence life on campus.

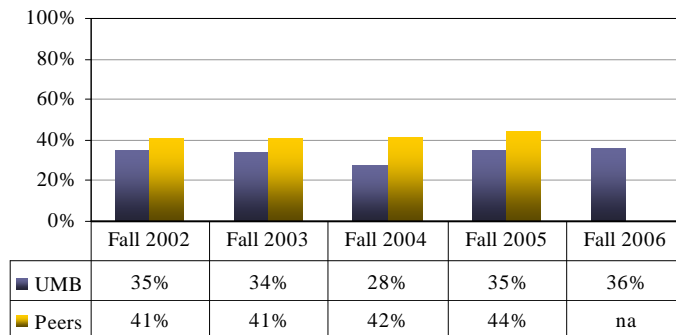


### Freshmen Six-Year Graduation Rate

The Fall 2000 entering cohort (reported as Fall 2006) graduation rate was 36%. This is an increase over Fall 2005 and a substantial increase over Fall 2004 (those who entered in Fall 1998). The six year graduation rate of freshmen is lower than that of our peers.

Ongoing efforts to improve retention will also positively impact graduation rates over time. Graduation rates, of necessity, reflect cohort histories and not the future.

Note: Peer data are from previous year.



### Transfer One-Year Retention Rate

This shows the one year retention rate of all entering full-time transfer students. The rates cannot be compared nationally as no such data are available.

	Fall 2002	Fall 2003	Fall 2004	Fall 2005	Fall 2006
<i>Percent</i>	66%	71%	70%	71%	<b>75%</b>

## Transfer Four-Year Graduation Rate

The four year transfer graduation rate decreased from 67% Fall 2005 to 63% in Fall 2006. There are no peer comparisons available for this indicator as these statistics are not collected nationally.

	Fall 2002	Fall 2003	Fall 2004	Fall 2005	Fall 2006
<i>Percent</i>	66%	69%	65%	67%	<b>63%</b>

## SERVICE TO THE COMMONWEALTH

### % Graduates Who Live in Massachusetts

The majority (78%) of undergraduate and graduate alumni of UMB stay, work, and pay taxes in Massachusetts.

The implementation of new software and a review of address data 'reduced' the percentage of graduates shown as living in MA in Fall 2006.

	Fall 2002	Fall 2003	Fall 2004	Fall 2005	Fall 2006
<i>Undergraduate</i>	80%	80%	80%	81%	<b>78%</b>
<i>Graduate</i>	80%	80%	80%	81%	<b>76%</b>
<i>All</i>	80%	80%	80%	81%	<b>78%</b>

### Enrollment in STEM Programs

All the programs in Science, Technology, Engineering and Mathematics (STEM) are within the College of Science and Mathematics.

Enrollments have grown by 12% between Fall 2004 and Fall 2006

	Fall 2004	Fall 2005	Fall 2006
<i>Total Enrollment</i>	9,371	10,026	<b>10,657</b>
<i>STEM Enrollment</i>	1,327	1,365	<b>1,491</b>
<i>% STEM Enrollment</i>	14%	14%	<b>14%</b>

### Degrees Awarded in STEM Fields

The number of degrees and certificates awarded in STEM programs has declined slightly between AY03 and AY05.

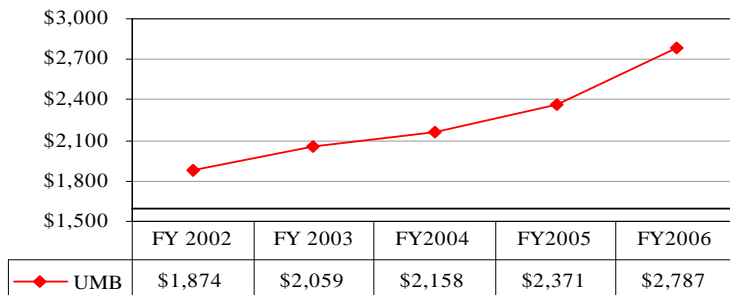
	2003-04	2004-05	2005-06
<i>Total Degrees/Cert. Awarded</i>	2,315	2,376	<b>2,453</b>
<i>STEM Degrees/Cert.</i>	266	284	<b>219</b>
<i>% STEM Degrees/Cert.</i>	11%	12%	<b>9%</b>

## FINANCIAL HEALTH

### Endowment per Student

The endowment per student continued to increase in FY06 in the context of increased student enrollment and continued increases in the market value of endowment holdings.

Peer data are not available for this measure.



	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006
Total (\$000's)	\$19,255	\$20,491	\$21,244	\$22,634	<b>\$24,995</b>

### Annual Growth in Endowment

The 10% rate of growth in the endowment in FY 2006 was the largest since FY 2002, reflecting an upturn in the financial markets and the endowment's holdings.

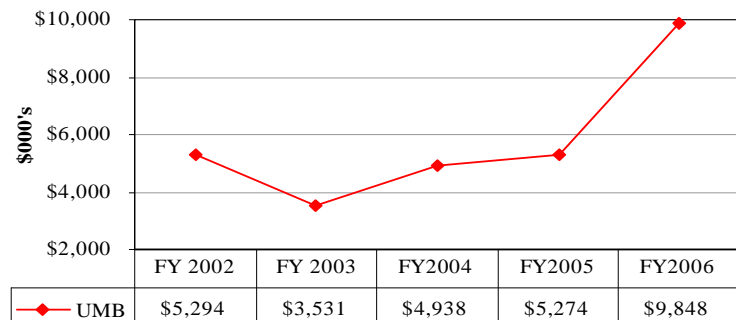
	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006
Growth	\$499,711	\$1,235,916	\$753,109	\$1,390,000	<b>\$2,361,000</b>
Percent	3%	6%	4%	7%	<b>10%</b>

Peer data are not available for this measure.

### Private Funds Raised Annually

In FY06 private funds increased reflecting a continued upswing in pledges.

We are gratified that the re-vitalization of the University Advancement Office, with experienced staff and added resources is substantially increasing our private fundraising.



### Return on Net Assets

This is a new performance measurement and our new financial peers have a much larger aggregate asset base. Our desire is to increase our net asset base at a moderate rate and improve the financial strength of the campus.

	FY 2005	FY 2006
UMB	-1.27%	<b>0.50%</b>
Peer Average	1.97%	<b>3.13%</b>

## Financial Cushion

In FY 06, unrestricted and restricted-but-expendable net assets increased during the year, the percentage growth was modest.

	<i>FY 2002</i>	<i>FY 2003</i>	<i>FY 2004</i>	<i>FY 2005</i>	<i>FY 2006</i>
<i>UMB</i>	4.48%	3.68%	6.68%	6.30%	<b>6.50%</b>
<i>Peer Average</i>	13.20%	12.80%	12.50%	12.80%	<b>14.00%</b>

Relative to our peers, UMB finds itself disadvantaged with regard to the financial cushion ratio, as all of our peer institutions are more mature than UMass Boston, and several are aspirant peers.

## Debt Service to Operations

The debt service ratio shows a planned increase since FY 02 due to UMB's aggressive capital plan and continuing investment in the infrastructure for science, technology, research, administrative processes, and our new campus improvements. In FY 06, interest expense increased by \$357,000 (8%) to \$4.964 million. We expect a continued increase in the Debt Service to Operations ratio as we undertake additional improvements to the University.

	<i>FY 2002</i>	<i>FY 2003</i>	<i>FY 2004</i>	<i>FY 2005</i>	<i>FY 2006</i>
<i>UMB</i>	2.17%	4.58%	5.03%	4.74%	<b>5.33%</b>
<i>Peer Average</i>	3.34%	6.44%	3.15%	2.66%	<b>3.03%</b>

## DEFINITIONS AND SOURCES

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### 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.** 25<sup>th</sup> & 75<sup>th</sup> percentiles 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.

**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.

**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.

**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.

**Number of new tenured/tenured-track faculty.** The number of new tenured/tenured-track faculty members hired to start their new positions in the academic year.

**Change in number of tenured/tenure-track faculty.** The difference in the number of tenured/tenure-track faculty from one fall semester to the next. Include faculty members who are on paid leave. Does not include individuals whose primary responsibility is administrative. For the 2006 PMS report, the difference will be between the figure for Fall 2005 and Fall 2004.

**Change in faculty FTE.** The difference in the total FTE, from one fall semester to the next, for all full-time and part-time instructional faculty teaching state-supported courses. Include faculty members who are on paid leave. Does not include individuals whose primary responsibility is administrative. For the 2006 PMS report, the difference will be between the figure for Fall 2005 and Fall 2004.

### ACCESS AND AFFORDABILITY INDICATORS

**Percent of undergraduates who receive Federal Pell Grants.** Federal Pell Grants are awarded to low-income undergraduates based on their expected family contribution. Data as reported by campuses to the UMass President’s Office in the Financial Aid Template.

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

**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).

**Rate of growth in distance education enrollments.** Percentage rate of growth in annual online course registrations between AY2001 and AY2005. Does not represent headcount enrollments.

### STUDENT SUCCESS AND SATISFACTION 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 & 2004 National Survey of Student Engagement, CIRP Freshmen Survey 2003 & 2004 and 2002 Alumni Survey.

**Percent undergraduates who speak English as a second language.** Data are from the Retention Study 2002 and the Graduating Senior Survey 2002, 2003 & 2004, CIRP Freshmen Survey 2003 & 2004.

**Freshmen 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.

**Freshmen six-year graduation rate.** Percent of first-time, full-time freshmen who entered in a given fall and had graduated within six years. Peer data 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.

### 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.

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

**Degrees 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.

### FINANCIAL HEALTH INDICATORS

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

**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.

**Return on net assets.** Increase/decrease in net assets divided by total net assets at beginning of the year. 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.



**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

## HEADLINES FROM THE 2007 ANNUAL INDICATORS

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The UMass Dartmouth indicators show some continuing progress and some leveling in areas of recent strong growth. The campus has reached or exceeds the level of its peer institutions on many indicators. The indicators highlighted below are indicative of the campus's successes in the past few years. Also highlighted are areas of change. As UMass Dartmouth reaches towards the Doctoral Carnegie classification, we acknowledge our achievements and look forward to new developments.

### ADMISSIONS AND ACCESS

The Performance Measurement System's indicators for high school GPA and SAT scores help us gauge whether our admissions quality is matched in the academic experience that we deliver. UMass Dartmouth seeks students well prepared for college, and the campus works hard to recruit students across a relatively broad spectrum. A decision to grow freshman enrollments combined with a state-wide decline in SATs has led to a decline in this measure. However, we have retained our quality in frosh students' high school GPAs, which are better predictors of eventual academic success than are SATs. The new indicator for Pell grants shows one quarter of our entering frosh students receiving this form of financial aid. We continue to realize our mission to serve the region and the Commonwealth by giving a wider range of capable students access to a high-quality education.

### CONTINUED FACULTY STRENGTHS

Our faculty are both teachers and scholars who bring the excitement of their research and creative work into the classroom. The Dartmouth indicator for Sponsored Research/Faculty has more than tripled in seven years, going from \$19,769 per faculty member in FY 1999 to \$63,916 in FY 2006. The total sponsored research activity was \$20.389 million in FY 2006; and at \$9.515 million, federally-funded research is well represented, indicating the Dartmouth campus' involvement in meeting national priorities through research and development. This indicator does not capture the many other kinds of scholarship at the university that are not funded by external sources, including artistic creation and much of the work in the humanities and social sciences.

This year's decline in research and scholarship indicators can be explained by the conclusion of some major grants. Currently, because of many recent retirements, over a third of our faculty are untenured. Junior faculty show high potential in their striving to achieve funded research success.

### STUDENT SUCCESS AND SATISFACTION

In spite of declining, the one-year retention and six-year graduation rates for Dartmouth's freshmen compare satisfactorily with those of our peers and when seen in the light of research by such nationally-recognized experts as Alexander Astin. The indicators for transfer student retention and graduation fill in the picture that is left incomplete by the standard measure for freshmen success.

### DEGREES GRANTED

In 2006, UMass Dartmouth graduated 1,406 students, at all levels (as seen in the indicator on STEM degrees), 156 more than in 2005. Because eighty percent of our graduates remain in Massachusetts, the degrees we grant make a direct, important contribution to the Commonwealth. Although we are still small in doctoral education, we have now produced 26 PhDs at the UMass Dartmouth campus.

### SERVICE TO THE COMMONWEALTH

The two indicators help tell the story of UMass Dartmouth's successes in achieving our mission to "act as an intellectual catalyst for regional, economic, social, and cultural development."

Under the heading "Regional Impact" are assembled examples of UMass Dartmouth's transformational impact in the region. The examples—including cultural, artistic, athletics, and intellectual events hosted; economic development, technology development, rehabilitation, and K-12 projects undertaken; and library usage by the community—highlight the campus's extensive regional influence.

### FINANCIAL HEALTH

We have continued to address fiscal challenges. Strong progress continues on reducing a major structural deficit. A set of fiscal controls and processes are in place to ensure the achievement of full fiscal stability, and strategic planning has been linked to resources to better align academic goals and spending. We continue to make solid progress in reduction of accrued liability and building of fund balances. Funding sources have been diversified and planned enrollment growth and expenditure control have been adopted as a fiscal stabilizing strategy. Current and anticipated state allocation projections will assist us in keeping our core missions strong.

**2007 ANNUAL INDICATORS AT A GLANCE****ACADEMIC QUALITY**


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• Average HS GPA of Freshmen	3.05
• SAT Scores of Freshmen (average)	1046
• SAT Scores of Freshmen (25 <sup>th</sup> -75 <sup>th</sup> )	970 - 1130
• Licensure/Certification Pass Rates	
<i>Mass Teacher Test</i>	98%
<i>Nursing</i>	86%
• Sponsored Research/Faculty	\$63,916
• Sponsored Research	\$20,389,224
• Federal Research Support	\$ 9,514,598
• New Tenured/Tenure-Track Faculty Hired	13
• Change in Tenured/Tenure-Track Faculty	+ 6
• Change in Faculty FTE	+ 10

**SERVICE TO THE COMMONWEALTH**


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• Enrollment in STEM programs	1,676 (20%)
• Degrees Awarded in STEM fields	251 (18%)
• Regional Impact (Narrative)	

**FINANCIAL HEALTH**


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• Endowment Per Student	\$2,746
• Endowment Assets	\$20,814,756
• Private Funds Raised Annually	\$ 3,632,334
• Return on Net Assets	6.6%
• Financial Cushion	-1.2%
• Debt Service to Operations	7.0%

**ACCESS AND AFFORDABILITY**


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• % Pell Grant Recipients	25%
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**STUDENT SUCCESS AND SATISFACTION**

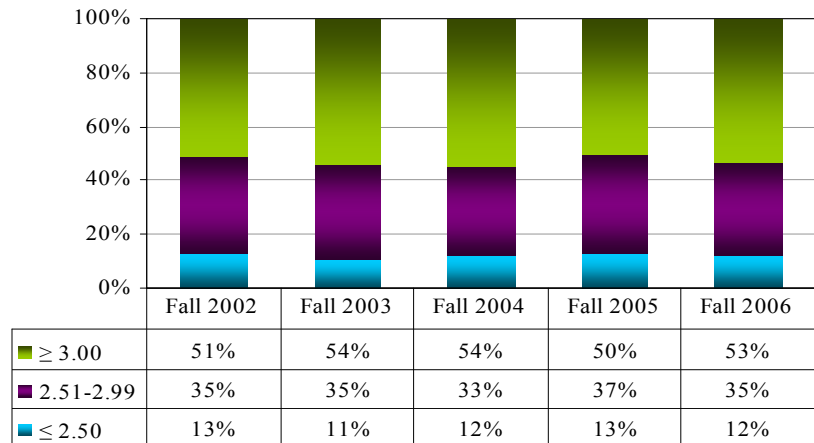

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• Freshman One-Year Retention Rate	74%
• Transfer One-Year Retention Rate	77%
• Freshman Six-Year Graduation Rate	48%
• Transfer Six-Year Graduation Rate	77%

## ACADEMIC QUALITY

### High School GPA of Freshmen

Since fall 2002 our GPA quality levels have held steady at slightly over 3.0 during a period of rapid growth in freshman class size. At this level, UMass Dartmouth is succeeding in its goal of maintaining a strong student quality profile while also fostering access. High school GPA is the best predictor of success in college studies.



	Fall 2002	Fall 2003	Fall 2004	Fall 2005	Fall 2006
<i>Average</i>	3.02	3.06	3.08	3.03	<b>3.05</b>

### SAT Scores of Freshmen

From fall 2002 through fall 2005 our SAT quality levels improved steadily during a period of rapid growth in freshman class size. Fall 2006 scores indicate a marginal decline consistent with statewide and national trends. Preliminary data for the current year indicates a rebound in scores. At this level, UMass Dartmouth is succeeding in its goal of maintaining a strong student quality profile while also fostering access.

	Fall 2002	Fall 2003	Fall 2004	Fall 2005	Fall 2006	Peers
<i>75th %ile</i>	1130	1130	1140	1150	<b>1130</b>	1173
<i>25th %ile</i>	970	980	980	990	<b>970</b>	971
<i>Average</i>	1047	1058	1058	1064	<b>1046</b>	1072

### Licensure and Certification Test Pass Rates

UMass Dartmouth Nursing students' performance on the licensure examination is acceptable, with an 86% pass rate. Performance on the Massachusetts Tests for Educator Licensure shows all but one students passing all three portions—Basic Skills Reading, Basic Skills Writing, and the Academic Content Area. Students generally may not enter the teacher preparation program before passing both the skills and content tests. 100% of our Adult Nurse Practitioner graduates passed the American Adult Nurse Practitioner Certification test, while the nationwide pass rate is 84%.

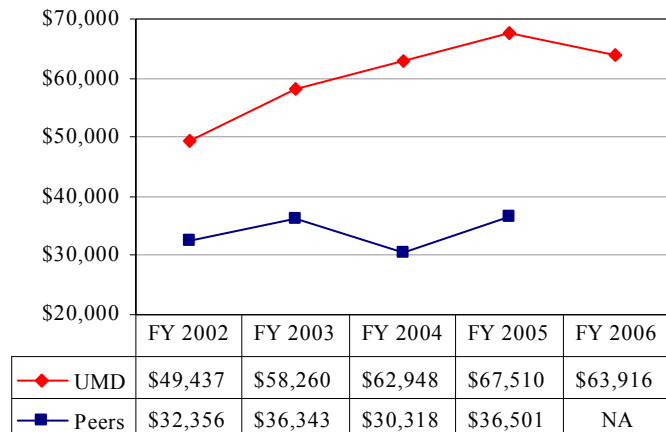
Nursing Licensure	2004	2005	2006
<i>Pass rate:</i>	90%	91%	<b>86%</b>
<i>National Average:</i>	85%	87%	<b>88%</b>
<i>Number Tested:</i>	60	55	<b>77</b>

Teacher Preparation	2004	2005	2006
<i>Pass rate:</i>	100%	100%	<b>98%</b>
<i>State Average:</i>	95%	96%	<b>97%</b>
<i>Number Tested:</i>	55	54	<b>46</b>

## Sponsored Research per Faculty

After a dramatic 5-year trend of increase in this indicator, UMass Dartmouth has seen a small one-year decline. Certain large grants have ended and our relatively new faculty are still moving towards their greatest productivity. The total R&D value is over \$20M for FY 2006. Sponsored research per faculty has more than doubled between FY 2001 and FY 2005. We are considerably ahead of our peers in this indicator; FY 2005 is the latest year for which peer comparisons are available. Aspirant peers are included in the peer data.

Increasing research and scholarly activity is a key component in UMass Dartmouth's strategic plan. Heightened research agendas in the colleges and the School for Marine Science and Technology are important to UMass Dartmouth's plans to expand its roles in graduate education and economic, technological, and intellectual development. New doctorate programs in Nursing and Portuguese-related studies could have the potential to strengthen this indicator.



Total R&D Value (in Millions)				
FY 2002	FY 2003	FY 2004	FY 2005	FY 2006
\$15.721	\$17.012	\$18.758	\$21.131	<b>\$20.389</b>

## Federal Research Support

The federally funded portion of overall R&D activity reflects the same trends as overall sponsored research. Still, we are considerably ahead of our peers in this indicator; FY 2005 is the latest year for which peer comparisons are available.

The institution thus continues to expand its involvement in meeting national priorities through research and development. For comparability with peers, we report on federal research support in science and engineering only; adding in other fields increases the total by \$377K.

(in Millions)	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006
UMD	\$7.142	\$8.718	\$9.537	\$10.190	<b>\$9.515</b>
Peers	\$5.723	\$6.466	\$5.055	\$5.364	NA

## New Tenured/Tenure-Track Faculty Hired

This indicator measures number of new faculty hired to the tenure track or with tenure, starting their positions in 2005-2006. In the longer run, this indicator will provide data about the pipeline to tenure at UMass Dartmouth.

	AY 2005-2006	AY 2006-2007
UMD	25	13

### Change in Tenured/Tenure-Track Faculty

This indicator measures the difference in the number of tenured and tenure track faculty from one fall semester to the next. The counts include faculty who are on paid leave but not those whose responsibilities are primarily administrative.

	Fall 2004	Fall 2005	Fall 2006	1-year Change
UMD	298	313	319	6

### Change in Faculty FTE

This indicator measures the difference in the total FTE of instruction from one fall semester to the next. For all full-time and part-time *instructional* faculty teaching state-supported courses. Not included are individuals whose primary responsibility is administrative, teaching assistants, and continuing education instructors.

	Fall 2004	Fall 2005	Fall 2006	1-year Change
UMD	408	417	427	10

## ACCESS AND AFFORDABILITY

### % Pell Grant Recipients

This indicator represents the access that UMass Dartmouth offers to low-income undergraduate students. It reports on in-state undergraduates.

	Fall 2005	Fall 2006
UMD	27%	25%

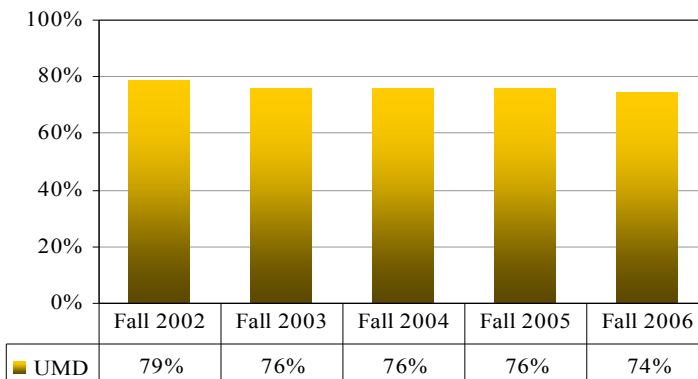
## STUDENT SUCCESS AND SATISFACTION

### Freshman One-Year Retention Rate

Nearly three quarters (74%) of last fall's first-time, full-time freshmen were still enrolled as of the next fall. This is slightly below the previous year and our goal.

Research by higher-education scholars such as Alexander W. Astin shows that institutions with UMass Dartmouth's emerging profile of on-campus residency, admissions quality, and institutional type do well if they achieve first-year retention rates above 75% and quite well at 80% or above. Our comparative peers average 79% on this measure.

There is a multitude of possible influences on this indicator, and the campus has begun a comprehensive study of both retention and graduation rates so that it can take meaningful action as it makes the transition to being a full-fledged residential campus.



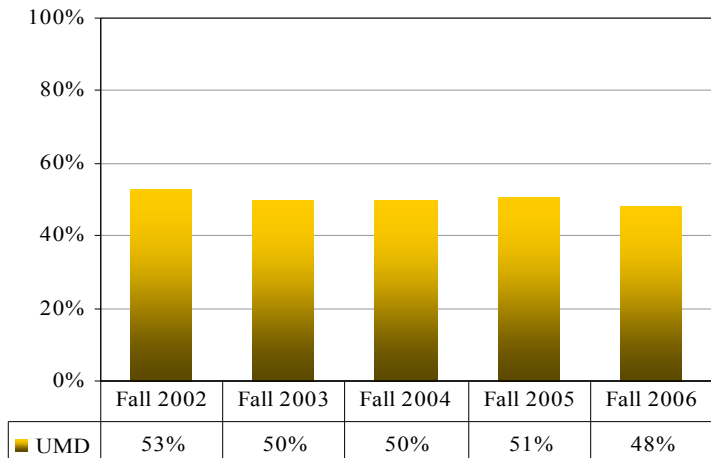
2-yr average from US News 2007 Edition (Fall 2005): Comparative Peers 79%

## Freshman Six-Year Graduation Rate

Nearly half (48%) of the first-time, full-time freshmen who entered in fall 1999 had graduated from UMass Dartmouth by the end of the 2006 calendar year.

Research by higher-education scholars such as Alexander W. Astin shows that institutions with UMass Dartmouth's profile of on-campus residency, admissions quality, and institutional type are doing well if they achieve graduation rates above 50%. The rate reported for peers in the chart excludes aspirant peers, it is 57% with aspirants included.

There is a multitude of possible influences of this indicator and the campus has begun a comprehensive study of both retention and graduation rates. UMass Dartmouth has a long-range goal of exceeding 55% on this measure—a goal designed to challenge the institution.



3-year average from US News 2007 Edition (Fall 2005): Comparative Peers 54%

## Transfer One-Year Retention Rate

This indicator shows that 77% percent of last fall's entering transfer students were either still enrolled as of the next fall or had completed their program. We are meeting the needs of the large proportion of these students. We also note that today's students have a wide range of reasons for transferring, and more and more do so readily. Transfer students are important in the university's enrollment and access goals.

	Fall 2003	Fall 2004	Fall 2005	Fall 2006
<i>Percent</i>	78%	76%	74%	<b>77%</b>

## Transfer Four-Year Graduation Rate

This indicator shows that 77% percent of the full-time upper division transfer students who entered in fall of 2002 had completed their program by Fall 2006. Upper division transfer students are those who entered with 60 or more credits.

	Fall 2003	Fall 2004	Fall 2005	Fall 2006
<i>Percent</i>	77%	77%	79%	<b>77%</b>

This rate of degree completion for transfer students suggests we are their school of choice for degree completion. Our regional community colleges are the major source of students who enter with 60 or more credits; under the Joint Admission program, these students complete their associate's degrees and then transfer here.

## SERVICE TO THE COMMONWEALTH

### Enrollment in STEM Programs

This indicator demonstrates our commitment to educating students in Science, Technology, Engineering, and Mathematics (STEM) fields. STEM fields at UMass Dartmouth are biology, chemistry/biochemistry, medical laboratory science, mathematics, engineering (civil, computer, electrical, mechanical), computer science, physics, materials/textiles, biomedical engineering/biotechnology, and marine science/technology.

	<i>Fall 2004</i>	<i>Fall 2005</i>	<i>Fall 2006</i>
<i>Total Enrollment</i>	7,619	7,949	<b>8,242</b>
<i>STEM Enrollment</i>	1,630	1,609	<b>1,676</b>
<i>% STEM Enrollment</i>	21%	20%	<b>20%</b>

1,676 students enrolled in STEM fields in 2006 -- 67 more than the previous year. The Engineering College showed the highest growth in freshman among the colleges in 2006.

### Degrees Awarded in STEM Fields

This indicator demonstrates our commitment to educating students in Science, Technology, Engineering, and Mathematics (STEM) fields. These graduates enter the workforce or pursue further education across the range of science, engineering, and mathematics fields.

	<i>2003-04</i>	<i>2004-05</i>	<i>2005-06</i>
<i>Total Degrees/Cert. Awarded</i>	1,273	1,302	<b>1,406</b>
<i>STEM Degrees/Cert.</i>	269	245	<b>251</b>
<i>% STEM Degrees/Cert.</i>	21%	19%	<b>18%</b>



## Regional Impact

This summary highlights many activities. It is not exhaustive, but indicates the range and effect of programs, activities, and events that are available to the greater community:

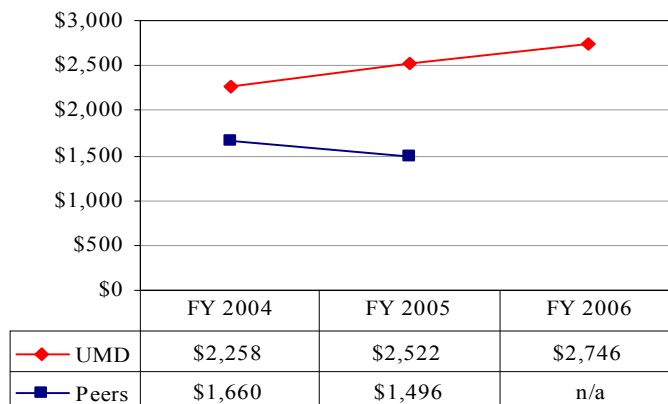
- According to a Donahue Institute study, UMass Dartmouth has a \$428 million impact on the regional economy and creates 2,723 jobs.
- The Center for Marine Sciences and Technology in New Bedford, Advanced Technology Manufacturing Center in Fall River, and main campus laboratories have created an "innovation triangle" that supports and grows the southeastern Massachusetts economy by developing ideas into jobs.
- The Star Store arts campus in downtown New Bedford attracts thousands of visitors to its studios and events, enlivening the creative economy of the city.
- More than 100 UMass Dartmouth students will contribute nearly 6,000 hours of reading tutoring to elementary school students via the America Reads program in 2006-2007.
- A dozen nursing students assisted the Dartmouth Council on Aging in health-related education programs for seniors.
- The Centers for Portuguese Language and Culture, Business Research, Indic Studies, Jewish Culture, Gerontology, and French Language and Culture hosted more than 100 different public events—including lectures, seminars, professional development workshops, and conferences—for thousands of participants.
- Thousand of people have participated in institutes, workshops, conferences, and courses for educational and K-12 development, including activities of the Southcoast Educational Compact, the Center for University and School Partnerships, Connecting Oceans Academy, and the Buzzards Bay Writing Project. To date, our Spotlight program has brought 2,000 high-achieving high school students to campus.
- The Changing Lives through Literature alternative sentencing program has helped more than 4,000 first-time offenders.
- The library has 162 regional people as members of the Library Associates, and hosted dozens of events that are open to the community.

## FINANCIAL HEALTH

### Endowment per Student

The endowment per student ratio reflects a base from which earnings can contribute to current operations. In addition, unrestricted endowments contribute to the non-expendable fund balance, which greatly affects the financial cushion. In FY 2005 and FY 2006, the campus strategically allocated resources in hopes to generate additional revenues for the endowment. Although the absolute value of the endowment increased, growth in this indicator is lessened due to enrollment increases.

The total endowment of \$20,814,756 in FY 2006 is projected to continue to grow. The total endowment has nearly tripled since the FY 1998 figure of \$7,293,000.



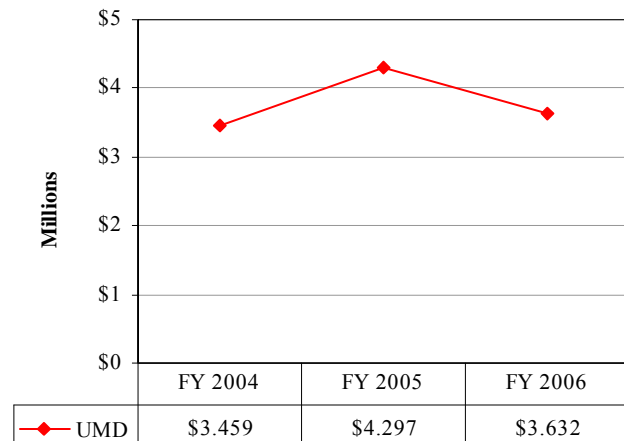
## Endowment Assets

With additional funds allocated to fundraising, the campus anticipates continued endowment growth.

(in Millions)	FY 2004	FY 2005	FY 2006
<b>UMD</b>	\$14.752	\$18.267	<b>\$20.815</b>

## Private Funds Raised Annually

The private funds indicator gauges UMass Dartmouth's success in raising funds from private sources (alumni and other individuals, foundations, corporations and other organizations) to support its mission. The campus expects revenues from this area to begin to increase fairly consistently from FY07 to FY10. This can be attributed to the investment the campus has made and will continue to make around institutional advancement.



## Return on Net Assets

The return on net assets ratio determines whether the institution is financially better off than in previous years by measuring total economic return. The institution's total wealth is determined by including the total change in net assets (Capital Assets net of Related Debt, Restricted, and Unrestricted) against the total net assets at the beginning of the year. The ratio provides a comprehensive measure of the growth or decline in the total wealth of an institution over a specific period of time.

	FY 2005	FY 2006
<b>UMD</b>	5.89%	<b>6.59%</b>
<b>Peers</b>	3.17%	<b>3.65%</b>

UMass Dartmouth's return on net assets has and will continue to grow over the next 5 years through strategic management of the Unrestricted Fund Balance.

## Financial Cushion

The financial cushion reflects long-term financial health of the institution and its ability to weather, or "cushion" itself from short-term operational ups and downs. The current ratio is *much improved* over that of seven years ago, when this ratio was negative 7.2% and the campus had an "Unrestricted Net Asset" balance of negative \$9,055,000. The improved position represents a savings of approximately \$5 million. Positive operating results combined with the funding of liabilities will serve to diminish the negative financial cushion over time. The campus achieved cash equilibrium in fiscal 2002 and anticipates that the cash balance will increase each year. By FY 2008, the projected ratio is expected to reflect a positive cushion – with still more rapid improvement in FY 2009-2011.

	FY 2004	FY 2005	FY 2006
<b>UMD</b>	-2.1%	-2.7%	<b>-1.2%</b>
<b>Peers</b>	n/a	6.7%	<b>6.2%</b>

## Debt Service to Operations

Campus construction, primarily related to housing, has increased this ratio; however this increase can be offset by the campus's increased return on net assets ratio – a measure of the overall financial strength of an institution. This ratio remains below the 10% threshold.

	<i>FY 2004</i>	<i>FY 2005</i>	<i>FY 2006</i>
<i>UMD</i>	6.9%	5.4%	<b>7.0%</b>
<i>Peers</i>	4.0%	3.2%	<b>4.1%</b>

## DEFINITIONS AND SOURCES

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### ACADEMIC QUALITY INDICATORS

**High School GPA of First-Year Students.** Cumulative GPA for college preparatory 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.** 25<sup>th</sup>, 75<sup>th</sup> percentiles and mean SAT scores of all first-year students. Peer data are from US News. Peer means are expressed as the average of 25<sup>th</sup> and 75<sup>th</sup> percentiles.

**Licensure and Certification Test Pass Rates.** Pass rate on Massachusetts Teacher Test and pass rate on Nursing Licensure Exam. Official data as reported annually to the testing organizations. Data are for test administrations in 2006.

**Sponsored 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/IPEDS.

**Federal Research Support.** R&D expenditures in all science and engineering fields, from all federal sources, as reported to NSF. Peer data are from NSF.

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

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

**Change in Faculty FTE.** The difference in the total FTE of instruction from one fall semester to the next. Not included are individuals whose primary responsibility is administrative, teaching assistants, and continuing education instructors. Faculty FTE is calculated as full-time faculty headcount and part-time faculty headcount divided by three.

### ACCESS AND AFFORDABILITY INDICATORS

**Percent of Undergraduates Who Receive Federal Pell Grants.** Federal Pell Grants are awarded to low-income undergraduates based on their expected family contribution. Data as reported by campuses to the UMass President's Office in the Financial Aid Template.

**Enrollment in Corporate Education and Training.** Count of individuals engaged in the fall semester in the range of corporate educational and training activities sponsored at UMass Dartmouth through the Division of Continuing Education and at the Advanced Technology Center.

### 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 2-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 3-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.

### SERVICE TO THE COMMONWEALTH INDICATORS

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

**Degrees 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.

**Regional Impact.** Presented is a narrative of significant activities and programs, with a number of facts and statistics cited. Sources include annual reports, newspaper clipping services, and alumni records.

**FINANCIAL HEALTH INDICATORS**

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

**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.

**Return on Net Assets.** Increase/decrease in net assets divided by total net assets at beginning of the year. Peer data from published financial statements.

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

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

**PEER INSTITUTIONS FOR UMASS DARTMOUTH**

Clarion University of Pennsylvania  
 College of William and Mary (VA)\*  
 Michigan Technological University\*  
 Murray State University (KY)  
 Slippery Rock University of Pennsylvania  
 Sonoma State University (CA)  
 South Dakota State University\*  
 The College of New Jersey  
 University of Central Arkansas  
 University of Minnesota, Duluth  
 University of North Carolina at Greensboro\*  
 University of Wisconsin, Eau Claire

*\*Aspirant Peers*

## HEADLINES FROM THE 2007 ANNUAL INDICATORS

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### ACADEMIC QUALITY

Every program in Lowell's colleges/school, for which a national professional accreditation agency exists, is accredited by that agency. The average SAT score of incoming students remains high, with an average combined score of 1070.

Externally sponsored research per faculty is important to Lowell both as one measure of faculty scholarship and as a measure of assisting innovation in the regional economy. Although we stand at \$62,277 of research expenditure per year per faculty, we need to continue our efforts to reach a goal of about \$90,000 per year per faculty.

### STUDENT SUCCESS AND SATISFACTION

Lowell's one-year retention rate has remained stable and above its peer mean. This is despite many of our students coming from lower socio-economic backgrounds with parents who did not attend college. Our six-year graduation rate appears to be improving, while that of our transfers remains high. Lowell's transfer student success is reflected in the fact that almost half of bachelors awarded annually go to transfers.

### ACCESS AND AFFORDABILITY

UMass Lowell works diligently with regional K-12 systems and the community colleges to make the transition from high school to community college to university as effective as possible. Lowell recognizes the importance of strong K-12 systems and supports those in the region through, literally, scores of partnerships and programs.

The state is expected to experience only a slight drop in the number of high school graduates over the coming years. In order to maintain affordability and to entice high achieving students to the campus, Lowell has instituted a program to offer 30 community college transfer students scholarships of \$2,500 annually. The campus has also increased the amount of Dean's Scholarships, awarded to 60 incoming freshmen each year, to \$4,000. Meanwhile, in 2006, the campus made offers to meet 93 percent of students' identified need.

### SERVICE TO THE COMMONWEALTH

The portion of Lowell's mission dealing with service and outreach is focused on four efforts: (1) to assist the region's enterprise to innovate, (2) to assist the region's K-12 system, (3) to assist the health of the region's environment and citizens, and (4) to assist in strengthening the vitality of the region's communities. A significant number of Lowell faculty from a wide variety of academic disciplines are engaged in these four areas and they have secured considerable funding from government agencies and private foundations.

UMass Lowell through its Division of Continuing Studies and Corporate Education provides high quality professional studies in innovative formats including campus based classes, online education and customized corporate training. With over 25 degree and certificate programs at the undergraduate and graduate level, the Division serves numerous economic sectors including health, education, engineering, information technology, social services and criminal justice. Lowell promotes regional economic development by partnering with companies across the Commonwealth to deliver customized education and training programs for their employees, many of which are delivered on-site.

### FINANCIAL HEALTH

The Lowell campus has benefited from increased State funding during the past year. In addition, the legislature's new focus on public higher education suggests the stabilization of resources through at least the next several years. Lowell's three revenue sources show promise: fund raising, continuing studies, and the commercialization of research is poised to increase, especially in areas related to nanomanufacturing.

## 2007 ANNUAL INDICATORS AT A GLANCE

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### ACADEMIC QUALITY

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• Average HS GPA of First-Time Freshmen	3.14
• Average SAT Score of First-Time Freshmen	1070
• Licensure And Certification Test Pass Rates	
<i>Massachusetts Teacher Test</i>	98%
<i>Physical Therapy</i>	94%
<i>Nursing/NYCLEX</i>	94%
• Number of Doctorates Awarded	93
• Total Research Expenditures	\$23,852,000
• Research Expenditures Per Faculty	\$62,277
• Number of Patent Applications	11
• License Income	\$309,000
• New Tenure/Tenure-Track Faculty Hired	25
• Change in Tenured/Tenure-Track Faculty	+22
• Change in Total Faculty FTE	+20

### ACCESS AND AFFORDABILITY

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• % Pell Grant Recipients	20%
• % of Need Met for Students Awarded Need-Based Aid	93%
• Online Course Enrollments	7,848
• Rate of Growth in Online Course Enrollments	8%
• Annual Course Enrollments in Corporate Education and Training	16,316

### STUDENT SUCCESS AND SATISFACTION

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• % of Undergraduate Students who are ALANA	21%
• Freshman One-Year Retention Rate	76%
• Freshman Six-Year Graduation Rate	46%
• Transfer One-Year Retention Rate	74%
• Transfer Four-Year Graduation Rate	69%

### SERVICE TO THE COMMONWEALTH

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• Enrollment in STEM Programs	3,093 (34%)
• Degrees Awarded in STEM Fields	783 (38%)

### FINANCIAL HEALTH

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• Total Endowment	\$25,949,000
• Endowment Per Student	\$3,071
• Annual Growth In Endowment	12%
• Private Funds Raised Annually	\$7,400,000
• Return on Net Assets	-1.9%
• Financial Cushion	4.8%
• Debt Service To Operations	3.3%

## ACADEMIC QUALITY

## High School GPA of First-Time Freshmen

For the fifth consecutive year, Lowell's average weighted high school GPA exceeded 3.0. The proportion of entering freshmen with high school GPAs above 3.0 continues to rise, while that below 2.5 GPA has become quite small.

	Fall 2002	Fall 2003	Fall 2004	Fall 2005	Fall 2006
$\geq 3.00$	52%	54%	54%	57%	<b>57%</b>
2.51 - 2.99	40%	37%	38%	37%	<b>37%</b>
$\leq 2.50$	8%	9%	8%	6%	<b>6%</b>
<i>Average</i>	3.07	3.09	3.09	3.14	<b>3.14</b>

## SAT Scores of First-Time Freshmen

Following state and national annual trends in SAT scores as reported by the Educational Testing Service, Lowell's scores exhibit a decrease. However, UML's percentile scores still compare favorably to our peers. Several peers and aspirants use ACT, and their SAT-equivalent scores were calculated using the ACT-SAT conversion table.

	Fall 2002	Fall 2003	Fall 2004	Fall 2005	Fall 2006	Peers Fall 2005
75th %ile	1150	1170	1170	1170	<b>1160</b>	1154
25th %ile	960	1010	1010	1010	<b>980</b>	931
<i>Average</i>	1081	1093	1091	1094	<b>1070</b>	1043

## Licensure and Certification Test Pass Rates

Lowell's students continue to perform well in exams for careers that require special certification. Their success is linked to UML's commitment to preparing its graduates for the workforce.

	Pass Rate	Test Takers	Passed	National Average
<i>Physical Therapy (2006)</i>	94%	18	17	83%
<i>Nursing/NCLEX (2006)</i>	94%	56	54	88%
<i>Nurse Prac/ANCC (2006)</i>	100%	4	4	93%
<i>MTEL Teacher Test (2006)</i>	98%	49	48	97%*

\*MA rate

## Number of Doctorates Awarded

The number of doctoral degrees Lowell awards annually continues to compare very favorably with our peers and peer aspirants.

	2001-02	2002-03	2003-04	2004-05	2005-06
<i>UML</i>	43	69	96	72	<b>93</b>
<i>Peers</i>	43	44	44	48	<b>50</b>



## Research Expenditures and Expenditures per Faculty

Total R&D expenditures as reported to National Science Foundation. Peer average includes peer aspirants and is skewed by western states' large agricultural expenditures. Faculty are total tenure-system instructional faculty in the fall semester of each fiscal year as reported to the National Center for Educational Statistics, IPEDS data collection.

### Total Research and Development Expenditures (in thousands)

	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005
<i>UML</i>	\$20,656	\$22,827	\$22,783	\$22,163	<b>\$23,852</b>
<i>Peers</i>	\$41,976	\$45,065	\$51,931	\$54,919	<b>n/av</b>

### Total Research and Development Expenditures per Faculty

	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005
<i>UML</i>	\$51,002	\$57,211	\$63,111	\$61,393	<b>\$62,277</b>
<i>Peers</i>	\$84,100	\$87,921	\$113,084	\$111,201	<b>n/av</b>

## Number of Patent Applications

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

	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006
<i>UML</i>	12	12	5	9	<b>11</b>

## License Income

License income is a measure of the economic value of an institution's inventiveness and a contributor to the University's economic health. It is difficult to predict when a license will begin to generate significant income, but FY 2006's license income remains encouraging.

	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006
<i>UML (\$000's)</i>	\$25	\$105	\$72	\$338	<b>\$309</b>

## New Tenured/Tenure-Track Faculty Hired

The continued increase in number of full-time tenured/ tenure track faculty through the fall of 2006 reflects progress in reaching Lowell's "target" faculty size, especially in the Fine Arts, Humanities, Social Sciences, and Mathematics, as well as additional hires in Nanotechnology and Health & Environment.

	AY 2005-2006	AY 2006-2007
<i>UML</i>	35	<b>25</b>

## Change in Tenured/Tenure-Track Faculty

The net increase in the number of full-time tenure track faculty demonstrates a commitment to rebuilding the faculty after the waves of early retirements in the early 2000s.

	Fall 2004	Fall 2005	Fall 2006	1-year Change
<i>UML</i>	360	383	<b>405</b>	22

### Change in Faculty FTE

State-supported faculty FTE reflects visiting faculty and lecturers as well as full-time tenured and tenure track faculty. The one-year increase mirrors primarily the hiring of full-time tenure track faculty and progress toward achieving targeted faculty size.

	Fall 2004	Fall 2005	Fall 2006	1-year Change
<i>UML</i>	449	472	<b>492</b>	20

## ACCESS AND AFFORDABILITY

### % Pell Grant Recipients

Percentage of degree seeking undergraduates receiving federal Pell Grants (need based) is a new indicator. Lowell's peers' geographical distribution includes several states with lower average family income; therefore a greater proportion of peers' undergraduates appears Pell eligible.

	Fall 2005	Fall 2006
<i>UML</i>	24%	<b>20%</b>
<i>Peers</i>	28%	<b>n/a</b>

### % of Need Met for Students Awarded Need-Based Aid

This statistic is data element H2-i, for full-time undergraduates, from the Common Data Set which many institutions provide. UML has long striven to meet substantially all demonstrated financial need of students awarded need-based financial aid.

	2002-03	2003-04	2004-05	2005-06	2006-07
<i>% need met</i>	96%	97%	97%	93%	<b>93%</b>
<i>Peers (6 of 8)</i>	<i>n/av</i>	69%	70%	63%	<b>n/a</b>

### Rate of Growth in Online Course Enrollments

Lowell's Continuing/Corporate Education online course registrations continue to increase, contributing to UMass Online's banner year. Many additional courses incorporate some elements of distance learning, such as e-mail, online syllabi and links, and chat rooms.

Online Courses	AY 2002	AY 2003	AY 2004	AY 2005	AY 2006
<i>Enrollment</i>	4,998	6,216	6,706	7,300	<b>7,848</b>
<i>% increase from prior year</i>	33%	24%	8%	9%	<b>8%</b>

### Enrollments in Corporate Education and Training

Continuing/Corporate Education runs courses twelve months a year in all formats--on-campus, off-campus, online--and regularly maintains one of the highest levels of course registrations in New England.

	AY 2002	AY 2003	AY 2004	AY 2005	AY 2006
<i>UML</i>	18,869	18,076	17,328	14,551	<b>16,316</b>

## STUDENT SUCCESS AND SATISFACTION

### % Undergraduate ALANA Students

UML's proportion of students of color, especially those of Asian and Hispanic origin, reflects the area's changing demographics and feeder high schools. According to Fall 2000 census figures, the ALANA percentage for Northern Middlesex Co. was 15%. Lowell's figures represent percent of students who are U.S. citizens of known race, and the number of all students reporting ethnicity has increased.

	Fall 2002	Fall 2003	Fall 2004	Fall 2005	Fall 2006
<i>Number</i>	914	1,023	1,012	1,309	<b>1,438</b>
<i>Percent</i>	21%	20%	21%	21%	<b>21%</b>

### Freshman One-Year Retention Rate

Lowell's one-year retention rate has been relatively stable over the five-year period and has remained slightly higher than our peers. A number of coordinated efforts have been launched to promote the persistence of more first-time freshmen at UMass Lowell.

	Fall 2002	Fall 2003	Fall 2004	Fall 2005	Fall 2006
<i>UML</i>	74%	75%	76%	74%	<b>76%</b>
<i>Peers</i>	72%	72%	72%	72%	<b>n/av</b>

### Freshman Six-Year Graduation Rate

As of Fall 2005, the latest year available for our peers, Lowell's 2005 rate is higher than its peers (including aspirant peers). For Fall 2006, the freshman 6-year graduation rate held steady at 46%.

	Fall 2002	Fall 2003	Fall 2004	Fall 2005	Fall 2006
<i>UML</i>	44%	42%	46%	46%	<b>46%</b>
<i>Peers</i>	42%	42%	43%	43%	<b>n/av</b>

### One-Year Retention Rate for Full-time Transfers

Transfers make up a substantial proportion of Lowell's new student pool. Over a four-year span, the one-year retention rate is high, reflecting the fact that UMass Lowell is a particular school of choice for this applicant population.

	Fall 2002	Fall 2003	Fall 2004	Fall 2005	Fall 2006
<i>Transfer One-Year Retention Rate</i>	71%	68%	72%	70%	<b>74%</b>

*\*Peer data not available*

## Four-Year Graduation Rate for Upper Level Transfers

Transfers constitute roughly half of all UML bachelors recipients and are therefore proportionally significant among our alumni. Over a four-year span, upper level transfers are seen to be more successful in their rate of graduation.

<i>Transfer Four-Year Graduation Rate</i>	<i>Fall 2002</i>	<i>Fall 2003</i>	<i>Fall 2004</i>	<i>Fall 2005</i>	<i>Fall 2006</i>
	55%	70%	70%	73%	<b>69%</b>

*\*Peer data not available*

## SERVICE TO THE COMMONWEALTH

### Enrollment in STEM Programs

In recognition of the importance of retaining students in undergraduate and graduate programs in science, technology, engineering, and mathematics (STEM) fields, the federal government recently established the National SMART Grant Program. Over a quarter of UML's degree students are in STEM designated programs.

	<i>Fall 2004</i>	<i>Fall 2005</i>	<i>Fall 2006</i>
<i>Total Enrollment</i>	8,428	8,290	<b>9,071</b>
<i>STEM Enrollment</i>	2,555	3,032	<b>3,093</b>
<i>% STEM Enrollment</i>	30%	37%	<b>34%</b>

### Degrees Awarded in STEM Fields

Over a third of Lowell's awards are in STEM fields. (Degree awards correlate with enrollment and transfer patterns from the prior 3--7 years). While not eligible for the SMART Grant Program which require 3 years' education, UML's wide variety of undergraduate and graduate certificate programs serve to lead students in STEM career paths.

	<i>2003-04</i>	<i>2004-05</i>	<i>2005-06</i>
<i>Total Degrees/Cert. Awarded</i>	2,244	2,126	<b>2,067</b>
<i>STEM Degrees/Cert</i>	971	795	<b>783</b>
<i>% STEM Degrees/Cert.</i>	43%	37%	<b>38%</b>

## FINANCIAL HEALTH

### Total Endowment and Endowment per Student

The FY06 total endowment increased \$2,681,000. The endowment per student increased as a result of the increase in the total endowment and a reduction in the FTE students. The FTE students for FY06 was 8,450, a reduction of 106 FTE students from FY05.

	<i>FY 2002</i>	<i>FY 2003</i>	<i>FY 2004</i>	<i>FY 2005</i>	<i>FY 2006</i>
<i>UML total (\$000's)</i>	\$15,718	\$16,596	\$19,289	\$23,268	<b>\$25,949</b>
<i>Per student</i>	\$1,778	\$1,869	\$2,180	\$2,719	<b>\$3,071</b>
<i>Peer average</i>					<b>\$6,066</b>

### Annual Growth in Endowment

In FY06, the endowment grew 12%.

	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006
<i>UML</i>	-7%	6%	16%	21%	<b>12%</b>

### Private Funds Raised Annually

In FY06, the private funds raised annually included \$6.2M of cash and grants and only \$1.2M for gifts of equipment. For FY01 through FY05, gifts of cash and grants were \$9.1M, \$6.2M, \$4M, \$5.8M and \$7.0M respectively. The majority of the gifts in FY01 - FY03 were gifts of equipment.

	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006
<i>UML</i>	\$32.5 M	\$43.7 M	\$7.2 M	\$8.4 M	<b>\$7.4 M</b>

### Return on Net Assets

The return on net assets is negative as expenditures have exceeded revenues.

	FY 2005	FY 2006
<i>UML</i>	-1.4%	<b>-1.9%</b>
<i>Peers</i>	6.0%	<b>6.7%</b>

### Financial Cushion

The FY06 financial cushion decreased slightly to 4.8%.

	FY 2003	FY 2004	FY 2005	FY 2006
<i>UML</i>	6.3%	8.2%	5.0%	<b>4.8%</b>
<i>Peers</i>	12.7%	17.5%	15.7%	<b>15.3%</b>

### Debt Service to Operations

The FY06 debt service ratio decreased to 3.3%.

	FY 2003	FY 2004	FY 2005	FY 2006
<i>UML</i>	3.8%	3.9%	3.6%	<b>3.3%</b>
<i>Peers</i>	2.9%	3.2%	2.3%	<b>2.6%</b>

## DEFINITIONS AND SOURCES

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### ACADEMIC QUALITY INDICATORS

**High-school GPA of first-time 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 first-time freshmen.** 25<sup>th</sup> and 75<sup>th</sup> percentiles and mean SAT scores of all first-year students. ACT scores, used by most UML peers, have been converted to SAT using the ACT-SAT conversion table. Peer scores may not be comparable because percentage of freshmen represented is unknown.

**Licensure and certification test pass rates.** Pass rates on Massachusetts Teacher Test and on Nursing and Physical Therapy exams.

**Doctorates awarded.** Number of doctoral level degrees awarded annually as reported to National Center for Educational Statistics (IPEDS Degrees).

**Research expenditures and expenditures per faculty.** Research and development expenditures as reported to National Science Foundation. The “per faculty” figure is the total research and development expenditure figure divided by total tenure-system instructional faculty as reported to National Center for Educational Statistics (IPEDS Staff and Faculty). Faculty are total tenure-system instructional faculty in the fall semester of each fiscal year.

**Number of patent applications.** Number of U.S. Patent applications filed per year.

**License income.** Amount of annual income from license agreements.

**Number of new tenured/tenure-track faculty hired.** The number of new tenured/tenure-track faculty members hired to start their new positions in the academic year.

**Change in number of tenured/tenure-track faculty.** The difference in the number of tenured/tenure-track faculty from one fall semester to the next. Faculty members who are on paid leave are included. Individuals whose primary responsibility is administrative are not included. For this PMS report, the difference will be between the figure for Fall 2005 and Fall 2006.

**Change in faculty FTE.** The difference in the total FTE, from one fall semester to the next, for all full-time and part-time *instructional* faculty teaching state-supported courses. Lowell’s fractional FTEs for part-time faculty were taken directly from UML’s PeopleSoft Human Resource System.

### ACCESS AND AFFORDABILITY INDICATORS

**Percent of undergraduates who receive Federal Pell Grants.** Federal Pell Grants are awarded to low-income undergraduates based on their expected family contribution. Data as reported by campuses to the UMass President’s Office in the Financial Aid Template.

**Percentage need met for students awarded need-based aid.** Data element H2-i from the CDS, Common Data Set, gives the average percentage of demonstrated financial need that is met by the institution’s award of need-based financial aid to full-time students.

**Rate of growth in online course enrollments.** Percentage increase in total annual online (distance education) course registrations for the academic years 2002-2006.

**Enrollments in corporate education and training.** Total annual course registrations in the Division of Continuing/Corporate/Distance Education for the academic years 2002-2006.

### STUDENT SUCCESS AND SATISFACTION INDICATORS

**Percentage of undergraduate students who are ALANA.** Undergraduates who are African-American, Hispanic/Latino, Asian and/or Native American, divided by total U.S. citizens and permanent residents who report race/ethnicity.

**Freshman one-year retention rate.** Percent of first-time, full-time freshmen who entered in the previous fall and were still enrolled in the following fall. Peer data are from U.S. News and represent 3-year averages.

**Freshman six-year graduation rate.** Percent of first-time, full-time freshmen who entered in a given fall and had graduated with six years. Peer data are from US News and represent 3-year averages.

**One-year retention rate for full-time transfers.** Percent of full-time transfer students at any level who entered in the previous fall and were still enrolled or graduated as of the next fall.

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

**SERVICE TO THE COMMONWEALTH INDICATORS**

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

**Degrees 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.

**FINANCIAL HEALTH INDICATORS**

**Total endowment and endowment per student.** True and quasi-endowment. The per-student ratio is based on total annualized FTEs, including large numbers of non-degree seeking students in Continuing Education.

**Annual growth in endowment.** Trends in total endowment, partially reflective of the changing economy.

**Private funds raised annually.** Private funds include restricted and unrestricted income from individuals, foundations, corporations and other organizations. Include 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.

**Return on net assets.** Increase/decrease in net assets divided by total net assets at beginning of the year. Peer data from published financial statements.

**Financial cushion.** Expendable fund balance as a percentage of unrestricted expenditures and mandatory transfers. Peer data from audited financial statements.

**Debt service to operations.** Debt service as a percentage of unrestricted expenditures and mandatory transfers. Peer data from audited financial statements.

**PEER INSTITUTIONS FOR UMASS LOWELL**

Idaho State University  
 Montana State University - Bozeman  
 New Mexico State University – Main campus\*  
 Oakland University, Michigan  
 University of Louisiana - Lafayette  
 University of Maine – Orono\*  
 University of Rhode Island\*  
 Wichita State University, Kansas

\* *aspirant peer*

## HEADLINES FROM THE 2007 ANNUAL INDICATORS

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The Worcester campus managed a series of significant changes over the year that bode well for continued future success. Most notable was the award of the 2006 Nobel Prize in Physiology or Medicine to UMass Medical School Professor Craig C. Mello, who shared the honor with his collaborator, Andrew Fire of Stanford. The worldwide prominence and attention focused on the University as a result of this honor highlighted the broad accomplishments of the Worcester faculty and may help in the competition for research dollars from non-federal sources, expected to be flat in the near term. Likewise, the retirement of long-serving Chancellor and Dean Aaron Lazare, and the recruitment of a nationally prominent Dean for the School of Medicine (Terence Flotte, from the University of Florida) begins a new era of leadership committed to research growth in a number of key areas, especially clinical, and ‘bench to bedside’ arenas, while continuing the focus on core educational competencies and the campus service mission to the Commonwealth. Since the last report, the campus broke ground on a new 264,000 square foot Advanced Education and Clinical Practice Center to be devoted to educational technology resources and clinical research programs – another sign of positive change on the campus.

- Academic quality: The Worcester campus continues its trend of attracting highly capable students to the School of Medicine as judged by admission test scores, residency match rates and performance on licensing exams, even as the applicant pool shrinks slightly as a result of demographics; SOM graduates continues to rank the educational experience as highly satisfactory. The nursing educational experience and the vision for future direction in the Graduate School of Nursing are being shaped by a newly appointed Dean with a strong history of clinical resource development. The Graduate School of Biomedical Sciences entering class is not only highly competitive, but defied demographic trends by attracting more than 25% more applications than in previous years – in part attributable to the ‘halo effect’ of the Nobel Prize.
- Research growth, productivity and faculty recruitment: As the Lazare Research Building reaches capacity, research productivity is at high levels across the basic science departments. The new Department of Clinical and Translational Science has begun recruitment; senior faculty hires in several basic science departments have attracted internationally known scientists. Growth in real research dollars and non-federal research dollars (an indicator of diversity of funding sources) remains

impacted by the slowing growth of the pool of federal research dollars; new faculty recruitment will increase both productivity and total research support.

- Crucial to continued success of the Medical School is the ability to attract high quality students that will be able to meet the diverse cultural needs of underserved populations in the state. Student access and affordability can be measured and supported by the learning contract option, which in relation to tuition and fees, this measure continues to track favorably for the current year.
- Anecdotal evidence, such as rankings in the US News annual ratings of medical schools, continues to reinforce the identity of the SOM as a high quality, affordable institution. Comparative data on the performance of medical students on benchmark exams and in the residency program match are good supporting indicators of quality.

Overall, the Worcester campus has handled the spotlight of an international accolade and a senior leadership change without losing focus of its core missions and with increased dedication to diversifying funding, enhancing access and supporting Commonwealth initiatives. As Massachusetts lags other regions in economic recovery, non-research related state funding still tracks at levels below historical norms and thus requires careful allocation of resources to protect core missions.



## 2007 ANNUAL INDICATORS AT A GLANCE

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### ACADEMIC QUALITY

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• Average Biology MCAT Scores	10.68
• Licensure/Certification Pass Rates	
<i>USMLE Step 1</i>	96%
<i>USMLE Step 2</i>	96%
<i>GSN State Certification</i>	97%
• % Students “Very Satisfied” With Quality of Their Medical Education	58%
• Sponsored Research Total Dollars	\$161,645,000
• Sponsored Research Per Faculty	\$174,940
• Federal Research Support Per Faculty	\$133,246
• Rank in NIH Funding For Medical Schools	39
• Rank in US News (Primary Care)	11
• Patent Applications Per Year	66
• License Income Per Year	\$25,545,000
• Licensing Income/AUTM Ranking	17
• New Tenured/Tenure-Track Faculty	9
• Change in Tenured/Tenure-Track Faculty	+3
• Change in Faculty FTE	+8

### ACCESS AND AFFORDABILITY

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• Tuition & Fees	\$14,062
Tuition & Fees (Including Adjust. for Learning Contract)	\$ 8,494

### STUDENT SUCCESS AND SATISFACTION

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• Match Rate/ Choice of Residency	98%
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### SERVICE TO THE COMMONWEALTH

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• Enrollment in STEM Programs	354 (36%)
• Degrees Awarded in STEM Fields	27 (17%)
• Service to State Agencies	\$352,603,000

### FINANCIAL HEALTH

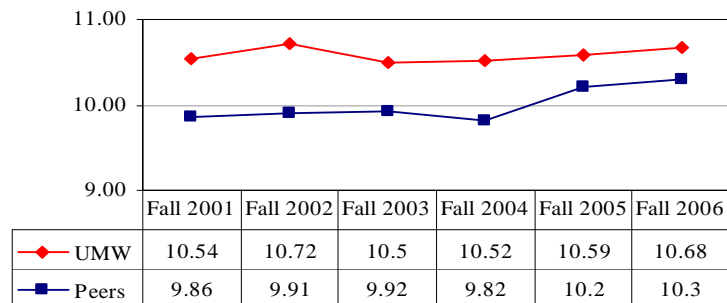
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• Total Endowment	\$47,632,000
• Endowment Per Student	\$49,603
• Private Funds Raised Annually	\$5.8M
• Return on Net Assets	2.4%
• Financial Cushion	27.8%
• Debt Service to Operations	2.0%

## ACADEMIC QUALITY

### Mean Biology MCAT Score

The MCAT score provides a rough predictor of a student's success in medical school. It is widely used in the admissions process, but rarely as the principal indicator of a student's academic preparation. It is, however, the only indicator that is available to compare incoming students across institutions. MCAT scores range from 1 to 15, with 15 being the highest possible score. For the past six years, the mean MCAT score for 1st year medical students has been consistently higher than the peer average.

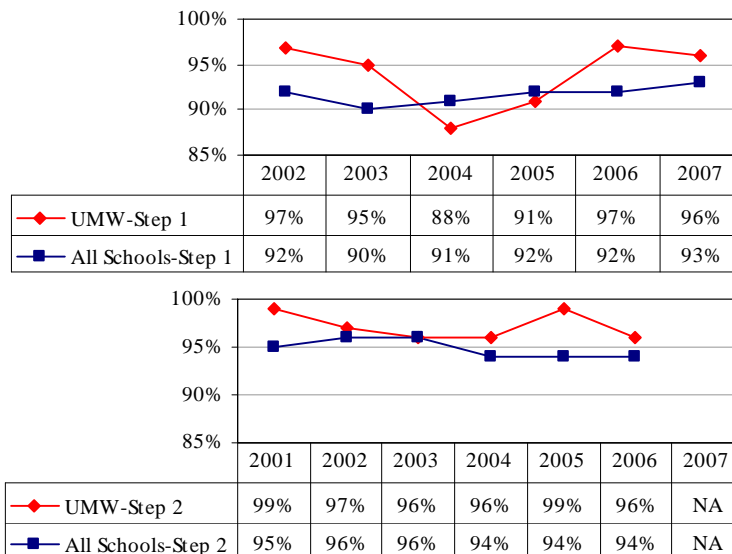


### Pass Rates on USMLE Step 1 and Step 2

The USMLE (United States Medical Licensing Examination) is a national licensing examination for physicians and is the single path to medical licensure in the United States.

Step 1 exam covers basic science information and is taken in most medical schools at the end of the second year; Step 2 covers clinical science information and is usually taken during the fourth year.

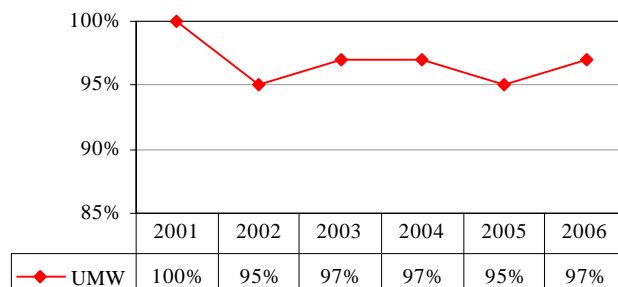
Rates reflect the level of knowledge of UMMS students in comparison to students from other medical schools.



*Data by Class Year*

### Pass Rates on Nursing Board Certification

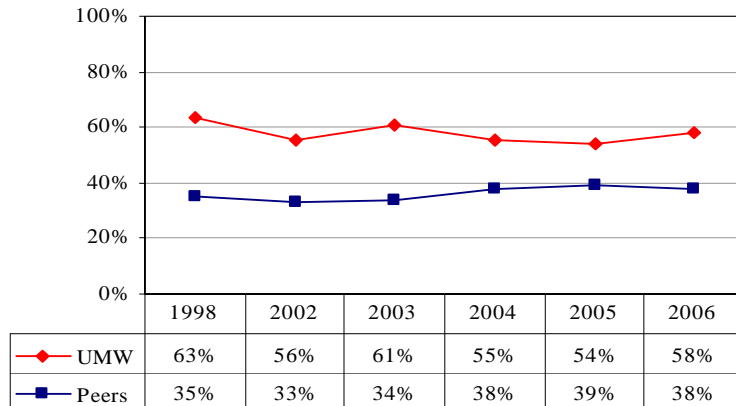
Board certification signifies advanced practice clinicians who have met requirements for clinical and functional practice in a specialized field, pursued education beyond basic preparation, and received the endorsement of their peers. After meeting these criteria, health care professionals take certification examinations based on nationally recognized standards of practice to demonstrate their knowledge, skills and abilities within the defined specialty. All nurse practitioners who wish to practice in Massachusetts must pass the certification examination. Several other states have a similar requirement. GSN has maintained very high pass rates compared to the national average, which ranges from 83-86%.



*Data by Class Year*

**% Graduates "Very Satisfied" with Medical Education**

From the *Graduation Questionnaire*, the percentage of graduating students that responded very satisfied with the overall quality of their medical education. The level of satisfaction can be influenced by several factors, including time devoted to instruction and preparation for residency. Measures reported compare UMMS to responses of students graduating from all public medical schools. Results show UMMS students continue to be much more satisfied with the quality of their education than students from other public medical schools.

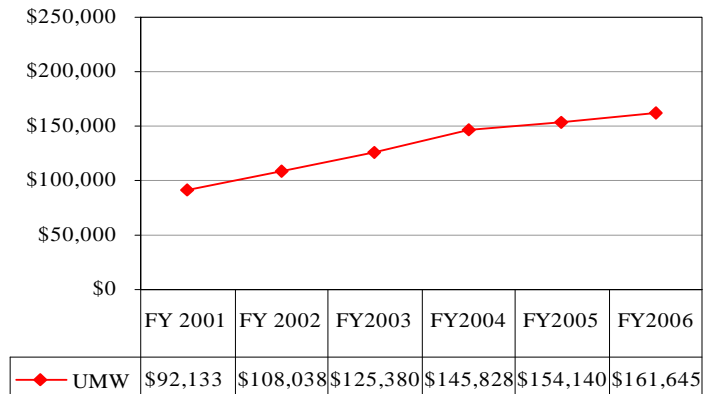


Data by Class Year

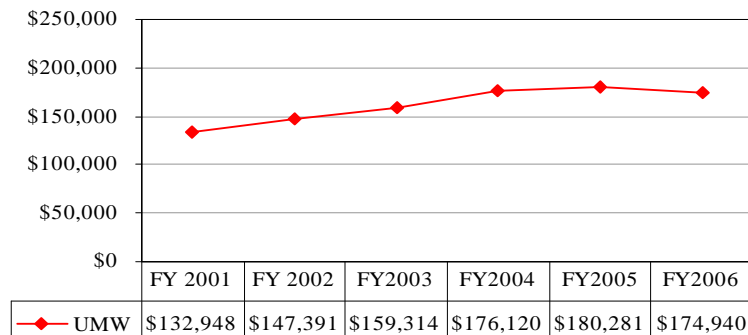
**Sponsored Research**

The Worcester Campus continues to be in the midst of predicted research enterprise expansion with the addition of the Lazare Research Building (LRB) and the continued hiring of new faculty with a research focus. Real research dollars and non-federal research dollars (an indicator of diversity of funding sources) continues to grow. There has been a 72% increase in R & D expenditures since FY01. New faculty recruitment will continue to increase both productivity and total research support. Peer comparison is not available due to size of peer group.

**Sponsored Research Total Dollars (in \$000's)**

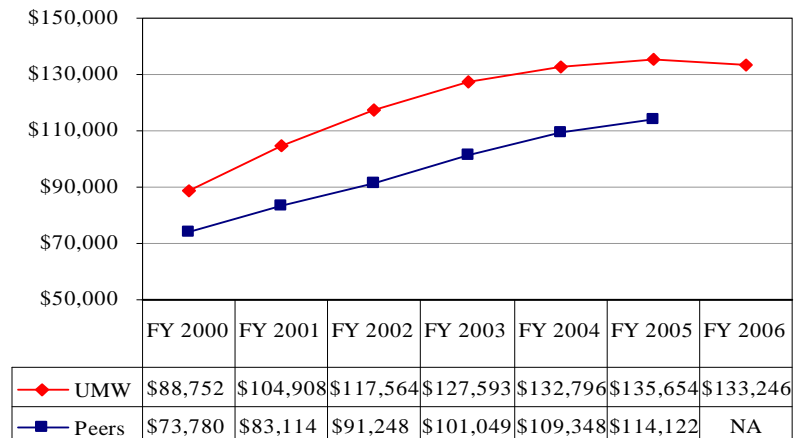


**Sponsored Research Per Faculty**



## Federal Research Support per Faculty

Federal Research Support per Faculty is a rough measure of faculty involvement in research. The amount of funding through federal research grants and contracts is a standard for measuring the success of a medical institution's faculty in achieving research goals. UMMS federal research continues to grow as predicted, with the addition of the new Lazare Research Building and the continued recruitment of new faculty with a research focus.



## NIH Ranking Among Medical Schools

The National Institutes of Health ranks recipients of NIH funds on an annual basis, reflecting awards made during the federal fiscal year, October 1st to September 30th. The ranking of medical schools segments approximately 125 medical schools and ranks them in order of total NIH funds received during the preceding fiscal year. The ranking provides a benchmark to compare growth of NIH funded research in terms of other medical schools. For FY2005, only 24 public medical schools out of a total of 75 (or 32%) ranked in the top 50. FY2006 ranking is not yet available.

	FY 2002	FY2003	FY2004	FY2005	FY2006
UMW	40	41	41	39	*NA

\* 2006 number will be available in Spring 2007

## US News Ranking

Ranking of Medical Schools with special emphasis in Primary Care. The UMMS Ranking is on 144 schools comprised of 125 medical schools and 19 schools of osteopathic medicine. UMMS is consistently ranked in the top ten percent and has held a spot near the top of the category since the magazine began its rankings in 1994.

	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
UMW Rank	12	3	4	4	11

## Number of Patent Applications

The number of patent applications filed is an indicator of an institution's inventiveness and the commercial potential of its academic work. FY2004 was an unusual year in that the number of applications filed was significantly higher than FY2003. These numbers are expected to increase in the future as our newly hired investigators begin to make their invention disclosures.

	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006
UMW	44	92	151	93	66

## 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. At UMMS, there has been a significant steady increase in licensing revenues received from the sale of products invented.

In \$000's

	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006
UMW	\$14,516	\$19,161	\$26,212	\$27,694	<b>\$25,545</b>

## AUTM Ranking/Licensing Income

Ranking of licensing income/technology performance as reported on the Association of University Technology Managers (AUTM) Annual Survey. Total respondents include US & Canadian academic and non-profit institutions and Patent Management Firms. Measures reported reflect UMMASS system ranking; however UMMS represents 94% of UMMASS System total licensing revenue. FY2004 is the most recent data available.

	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	*FY 2005
UMW	21	16	21	21	<b>17</b>	NA
Total	142	198	213	231	<b>220</b>	NA

\*FY 2005 data available Summer 2007

## New Tenured/Tenure-Track Faculty Hired

In FY 2006, UMMS hired 9 new tenured/tenure-track faculty as the campus continues to recruit new faculty in support of the on-going plan to grow the research enterprise.

	FY 2005	FY 2006
UMW	14	<b>9</b>

## Change in Tenured/Tenure-Track Faculty

There were 3 more tenured/tenure-track faculty in Fall 2006 than in Fall 2005. UMMS continues to grow its faculty in support of the on-going plan to grow the research enterprise.

	Fall 2004	Fall 2005	Fall 2006	1-year Change
UMW	187	191	<b>194</b>	3

### Change in Faculty FTE

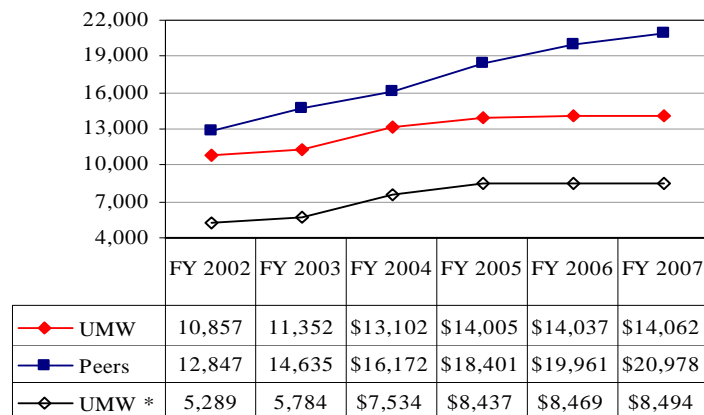
The total number of faculty, both tenured/tenure track and non-tenured, is increasing as the campus continues to recruit new faculty in support of the on-going plan to grow the research enterprise. There were 8 more faculty FTE in Fall 2006 than in Fall 2005.

	Fall 2004	Fall 2005	Fall 2006	1-year Change
UMW	964	1015	1023	8

## ACCESS AND AFFORDABILITY

### Tuition & Fees (includes adjustment for learning contract)

This indicator measures and compares the annual medical school tuition and mandatory fees. UMMS's tuition and fees continue to be lower than the average for all public schools. In addition, at UMMS, 91% of our current medical students opt for the learning contract. Under the learning contract, students may defer two-thirds of their tuition. The deferral is to be paid upon completion of residency, internship or fellowship. The deferral can be repaid either by 4 years of service in the Commonwealth of Massachusetts in a primary care practice, other specialty practice in an underserved area of public or by repaying the deferred amount with interest over 8 years.

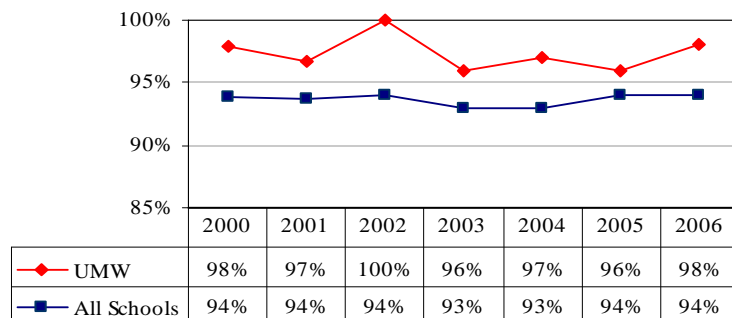


\* UMW Tuition and Fees adjusted for learning contract

## STUDENT SUCCESS AND SATISFACTION

### Acceptance Rate to Choice of Residency

This indicator measures the percent of potential graduates who were matched to one of their choices of residency. Rates reflect the competitive strength of UMMS students in comparison to students graduating from all other medical schools. UMMS has consistently shown a higher percentage of graduates accepted to their residency over the last five years. UMMS students have done very well in the match: in 2006, of the students going through the NRMP, 98% were matched to their choice of residency.



Data by Class Year

## SERVICE TO THE COMMONWEALTH

### Enrollment in STEM Programs

Total number of students enrolled in STEM (Science, Technology, Engineering and Mathematics) programs at UMMS that contribute to the Commonwealth's workforce in the STEM areas.

	Fall 2004	Fall 2005	Fall 2006
<i>Total Enrollment</i>	871	955	<b>977</b>
<i>STEM Enrollment</i>	325	368	<b>354</b>
<i>% STEM Enrollment</i>	37%	39%	<b>36%</b>

### Degrees Awarded in STEM Fields

Total number of students enrolled in STEM (Science, Technology, Engineering and Mathematics) programs at UMMS that have received degrees in the STEM fields.

	2003-04	2004-05	2005-06
<i>Total Degrees/Cert.</i>	163	167	<b>158</b>
<i>STEM Degrees/Cert.</i>	33	40	<b>27</b>
<i>% STEM</i>	20%	24%	<b>17%</b>

### Service to State Agencies

This indicator measures the annual amount expended for state sponsored grant and contracts and the sale of public service activities to other Massachusetts state agencies. This number is significantly larger than that of peer institutions because of increased contracts for policy analysis and programmatic development within Commonwealth Medicine. Commonwealth Medicine is a specialized organization within UMMS that focuses solely on providing health care consulting services to state agencies.

In \$000's

	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006
<i>UMW</i>	\$123,529	\$203,791	\$239,073	\$356,795	<b>\$352,603</b>
<i>Peers</i>	\$7,743	\$8,800	\$8,850	\$11,038	<b>NA</b>

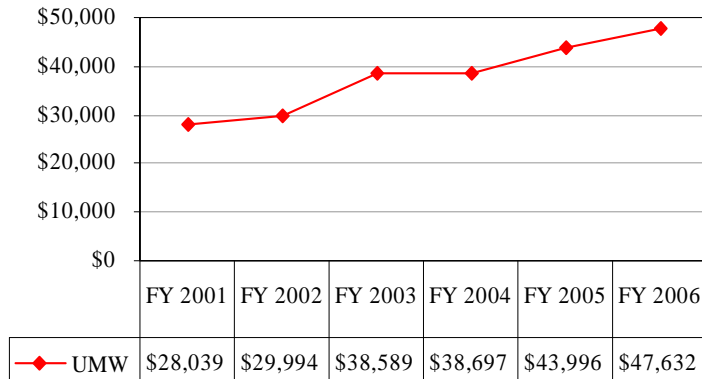
\* Peer 2006 number will be available in Spring 2007

## FINANCIAL HEALTH

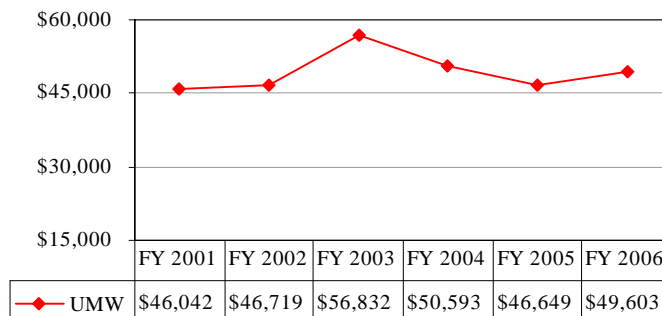
### Endowment

The ratio provides a measure of the long term financial health of the institution, relative to the number of students. This indicator is not readily comparable to other UMass campuses. The size of the Medical School's research and public service programs in relation to its small student base skews the ratio.

**Total Endowment Dollars (in \$000's)**



**Endowment Per Student**

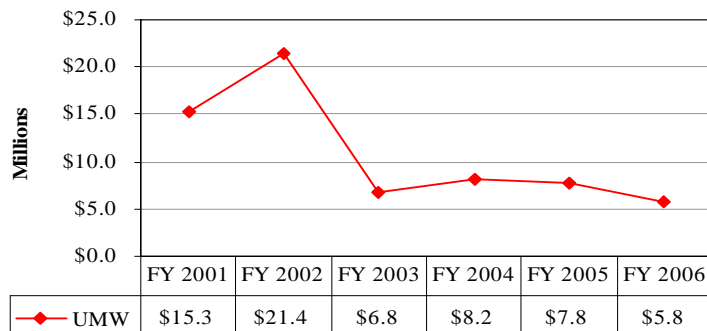


**Annual Growth in Endowment**

	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006
UMW	-5.49%	6.97%	28.66%	0.27%	13.69%	<b>8.26%</b>

### Private Funds Raised Annually

This indicator measures the success of the institution in raising support from private sources. Strong performance in this area provides the institution with funds to support new programs, investments in infrastructure and other activities for which funds may not otherwise be available from other funding sources. In FY2004 there was an unusually large expectancy of \$1 million causing the FY2005 number to drop slightly.





### Return on Net Assets

The return on net assets provides an indication whether the institution is financially better off than the previous year by measuring the overall economic return of the campus.

Return on net assets will fluctuate from year to year as the campus sets aside reserves for future use, or uses reserves for new investments in support of its mission, and should therefore be viewed over an extended period, and relative to the success in achieving the mission.

	<i>FY 2003</i>	<i>FY 2004</i>	<i>FY 2005</i>	<i>FY 2006</i>
<i>UMW</i>	19.6%	18.4%	22.1%	<b>2.4%</b>

### Financial Cushion

The financial cushion reflects long-term financial health of the institution and its ability to weather or "cushion" itself from short-term operations ups and downs. (Note: The calculation of this ratio changed in FY02 with the change in financial reporting standards and is not directly comparable to prior years.)

	<i>FY 2003</i>	<i>FY 2004</i>	<i>FY 2005</i>	<i>FY 2006</i>
<i>UMW</i>	27.1%	31.4%	31.9%	<b>27.8%</b>

### Debt Service to Operations

The debt ratio measures the demand that annual commitments to creditors place on the institution's unrestricted operating funds. (Note: The calculation of this ratio changed in FY02 with the change in financial reporting standards and is not directly comparable to prior years.)

	<i>FY 2003</i>	<i>FY 2004</i>	<i>FY 2005</i>	<i>FY 2006</i>
<i>UMW</i>	4.6%	4.2%	2.3%	<b>2.0%</b>

## DEFINITIONS AND SOURCES

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### ACADEMIC QUALITY INDICATORS

**MCAT scores.** Mean biology MCAT score for new medical students. Peer data provided by AAMC.

**Pass rate on USMLE.** The percentage of medical students passing Step 1 and Step 2 on the first attempt. Peer data represents national results from National Board of Examiners (NBE).

**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 nurse practitioner graduates from all graduate nursing schools in the United States.

**Percent of graduates indicating “Very Satisfied” with the quality of their medical education.** Percent of graduating medical students who responded “Strongly Agree” to this statement, “Overall, I am satisfied with the quality of my medical education” found on the Graduation Questionnaire that is prepared by AAMC.

**Sponsored research per faculty.** R&D expenditures from all sources (federal, state, local governments, industry, private, and institutional) and in all academic fields, as reported to NSF, divided by all full-time faculty as reported by the AAMC. Peer data not accessible given the size of peer group.

**Federal research support per faculty.** Federal research direct plus federal research facilities and administration divided by all full-time faculty as reported by the AAMC.

**NIH ranking among medical schools.** The National Institute of Health annual ranking of NIH extramural funding for Medical Schools.

**US News ranking.** US News annual ranking of medical schools with special emphasis in Primary Care.

**Number of patent applications.** Number of U.S. patent applications filed per year. Peer data are from the Association of University Technology Managers.

**License income.** Annual amount of income from license agreements. Peer data are from the Association of University Technology Managers.

**AUTM ranking/licensing income.** Ranking of licensing income as reported on the Association of University Technology Managers (AUTM) Annual Licensing Survey.

**Number of new tenured/tenured-track faculty.** The number of new tenured/tenured-track faculty members hired to start their new positions in the academic year.

**Change in number of tenured/tenure-track faculty.** The difference in the number of tenured/tenure-track faculty from one fall semester to the next. Include faculty members who are on paid leave. Does not include individuals whose primary responsibility is administrative.

**Change in faculty FTE.** The difference in the total FTE, from one fall semester to the next, for all full-time and part-time faculty. FTE is based upon standard hours per week (40). Include faculty members who are on paid leave. Does not include individuals whose primary responsibility is administrative.

### ACCESS AND AFFORDABILITY INDICATORS

**Tuition and fees as adjusted for learning contract.** Annual tuition and mandatory fees for medical students. Also reported is UMW tuition and fees adjusted for learning contract. Peer data from AAMC.

### STUDENT SUCCESS AND SATISFACTION INDICATORS

**Acceptance Rate to Choice of Residency.** Percent of potential graduates who were matched to one of their choices of residency. National results provided by NRMP.

### SERVICE TO THE COMMONWEALTH INDICATORS

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

**Degrees 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.

**Service to state agencies.** Annual amount expended for state sponsored grants and contracts and the sale of public service activities to other Massachusetts state agencies. Peer data are from AAMC.

**FINANCIAL HEALTH INDICATORS**

**Endowment per student.** UMass endowments plus Foundation endowments plus quasi endowments divided by FY2003 annualized FTE students. Peer data is not available

**Private funds raised annually.** Includes restricted and unrestricted income from individuals, foundations, corporations, and other organizations. These amounts include private grant revenues but not private contract revenues. Total for each year include cash (not in-kind) and asset additions made in that year. Peer data is not available.

**Return on net assets.** Increase/decrease in net assets divided by total net assets at beginning of the year. Peer data is not available.

**Financial cushion.** Unrestricted net assets divided by total operating expenses (including interest expense). Peer data is not available.

**Debt service to operations.** Interest payments plus principal payments divided by total operating expenses (including interest expense). Peer data is not available.

**PEER INSTITUTIONS FOR UMASS WORCESTER**

East Carolina University School of Medicine  
 East Tennessee State University  
 Florida State (1 yr.)  
 Indiana University School of Medicine  
 Louisiana State U - School of Medicine in New Orleans  
 Louisiana State U - School of Medicine in Shreveport  
 M.C. of Ohio  
 Marshall University  
 Medical College of Georgia  
 Medical University of South Carolina  
 Michigan State University  
 New Jersey Medical School  
 Northeastern Ohio  
 Ohio State  
 Oregon Health Sciences University  
 Robert Wood Johnson Medical School (Rutgers)  
 Pennsylvania State  
 Southern Illinois University  
 SUNY Brooklyn  
 SUNY Buffalo  
 SUNY Stony Brook  
 SUNY Syracuse  
 Texas A&M University Health Science Center  
 Texas Tech University Health Sciences Center  
 Uniformed Services University of the Health Sciences  
 University of Alabama School of Medicine  
 University of Arizona  
 University of Arkansas  
 University of California - Davis School of Medicine  
 University of California - Irvine  
 University of California - Los Angeles  
 University of California - San Diego  
 University of California - San Francisco  
 University of Cincinnati  
 University of Colorado  
 University of Connecticut School of Medicine  
 University of Florida College of Medicine  
 University of Hawaii  
 University of Illinois  
 University of Iowa  
 University of Kansas  
 University of Kentucky  
 University of Louisville  
 University of Maryland School of Medicine  
 University of Massachusetts Medical School  
 University of Michigan  
 University of Minnesota - Duluth (2 yr.)  
 University of Minnesota-Minneapolis  
 University of Mississippi School of Medicine  
 University of Missouri - Columbia School of Medicine  
 University of Missouri - Kansas City  
 University of Nebraska College of Medicine  
 University of Nevada School of Medicine  
 University of New Mexico School of Medicine  
 University of North Carolina  
 University of North Dakota  
 University of Oklahoma College of Medicine  
 University of Puerto Rico  
 University of South Alabama  
 University of South Carolina  
 University of South Dakota School of Medicine  
 University of South Florida  
 University of Tennessee  
 University of Texas Houston Medical School  
 University of Texas Medical School at Galveston  
 University of Texas Medical School at San Antonio  
 University of Texas Southwestern Medical School  
 University of Utah School of Medicine  
 University of Vermont  
 University of Virginia  
 University of Washington  
 University of Wisconsin -Madison Medical School  
 Virginia Commonwealth University  
 Wayne State  
 West Virginia  
 Wright State

**Clery Act Crime Statistics**  
**UMass Amherst**

ENROLLMENTS/NUMBER OF RESIDENTS	Fall 2005		Fall 2004		Fall 2003	
	Total Enrollment	# Living on Campus	Total Enrollment	# Living on Campus	Total Enrollment	# Living on Campus
UNDERGRADUATE STUDENTS	19,394	11,376	18,966	11,013	18,720	10,759
GRADUATE STUDENTS	5,699	153	5,680	211	5,592	263
OFFENSE	2005		2004		2003	
MURDER / NON-NEGLIGENT MANSLAUGHTER	0		0		0	
NEGLIGENT MANSLAUGHTER	0		0		0	
SEX OFFENSES, FORCIBLE	13		14		36	
SEX OFFENSES, NON-FORCIBLE	0		1		0	
ROBBERY	3		3		5	
AGGRAVATED ASSAULT	14		11		17	
BURGLARY	100		77		81	
MOTOR VEHICLE THEFT	4		16		10	
ARSON	3		3		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		1		1	
LIQUOR LAW ARRESTS	271		266		87	
LIQUOR LAW VIOLATIONS REFERRED FOR DISCIPLINARY ACTION	836		770		1064	
DRUG LAW ARRESTS	104		98		37	
DRUG LAW VIOLATIONS REFERRED FOR DISCIPLINARY ACTION	5		25		51	
ILLEGAL WEAPONS POSSESSION ARRESTS	3		4		2	
ILLEGAL WEAPONS POSSESSION VIOLATIONS REFERRED FOR DISCIPLINARY ACTION	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.

**Clery Act Crime Statistics**  
**UMass Boston**

ENROLLMENTS/NUMBER OF RESIDENTS	Fall 2005		Fall 2004		Fall 2003	
	Total Enrollment	# Living on Campus	Total Enrollment	# Living on Campus	Total Enrollment	# Living on Campus
UNDERGRADUATE STUDENTS	8,958	0	8,832	0	9,650	0
GRADUATE STUDENTS	2,904	0	2,850	0	2,744	0
OFFENSE	2005		2004		2003	
MURDER / NON-NEGLIGENT MANSLAUGHTER	0		0		0	
NEGLIGENT MANSLAUGHTER	0		0		0	
SEX OFFENSES, FORCIBLE	0		1		0	
SEX OFFENSES, NON-FORCIBLE	0		0		0	
ROBBERY	0		1		1	
AGGRAVATED ASSAULT	1		1		1	
BURGLARY	29		3		4	
MOTOR VEHICLE THEFT	0		0		0	
ARSON	0		2		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		1		0	
LIQUOR LAW ARRESTS	1		1		1	
LIQUOR LAW VIOLATIONS REFERRED FOR DISCIPLINARY ACTION	0		0		3	
DRUG LAW ARRESTS	1		4		4	
DRUG LAW VIOLATIONS REFERRED FOR DISCIPLINARY ACTION	0		1		0	
ILLEGAL WEAPONS POSSESSION ARRESTS	0		1		0	
ILLEGAL WEAPONS POSSESSION VIOLATIONS REFERRED FOR DISCIPLINARY ACTION	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.

**Clery Act Crime Statistics**  
**UMass Dartmouth**

ENROLLMENTS/NUMBER OF RESIDENTS	Fall 2005		Fall 2004		Fall 2003	
	Total Enrollment	# Living on Campus	Total Enrollment	# Living on Campus	Total Enrollment	# Living on Campus
UNDERGRADUATE STUDENTS	7,519	3,893	7,290	3,224	7,359	3,298
GRADUATE STUDENTS	1,030	44	1,009	35	925	46
OFFENSE	2005		2004		2003	
MURDER / NON-NEGLIGENT MANSLAUGHTER	0		0		0	
NEGLIGENT MANSLAUGHTER	0		0		0	
SEX OFFENSES, FORCIBLE	1		2		7	
SEX OFFENSES, NON-FORCIBLE	0		0		0	
ROBBERY	0		0		0	
AGGRAVATED ASSAULT	8		4		5	
BURGLARY	30		82		82	
MOTOR VEHICLE THEFT	2		2		4	
ARSON	1		0		0	
HATE CRIMES <i>Any of the aforementioned offenses, and other crime involving bodily injury, that manifest evidence of prejudice based on race, religion, sexual orientation, gender, disability or ethnicity are also reported as hate crimes.</i>	0		0		0	
LIQUOR LAW ARRESTS	18		8		8	
LIQUOR LAW VIOLATIONS REFERRED FOR DISCIPLINARY ACTION	1171		793		804	
DRUG LAW ARRESTS	6		5		10	
DRUG LAW VIOLATIONS REFERRED FOR DISCIPLINARY ACTION	116		150		209	
ILLEGAL WEAPONS POSSESSION ARRESTS	2		2		3	
ILLEGAL WEAPONS POSSESSION VIOLATIONS REFERRED FOR DISCIPLINARY ACTION	51		42		7	

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**  
**UMass Lowell**

ENROLLMENTS/NUMBER OF RESIDENTS	Fall 2005		Fall 2004		Fall 2003	
	Total Enrollment	# Living on Campus	Total Enrollment	# Living on Campus	Total Enrollment	# Living on Campus
UNDERGRADUATE STUDENTS	8,309	2,252	8,662	2,080	9,006	2,047
GRADUATE STUDENTS	2,357	15	2,427	32	2,700	37
OFFENSE	2005		2004		2003	
MURDER / NON-NEGLIGENT MANSLAUGHTER	0		0		0	
NEGLIGENT MANSLAUGHTER	0		0		0	
SEX OFFENSES, FORCIBLE	2		2 *2		2 *1	
SEX OFFENSES, NON-FORCIBLE	0		0		0	
ROBBERY	0		2		2	
AGGRAVATED ASSAULT	1		5		18	
BURGLARY	25		35		22	
MOTOR VEHICLE THEFT	2		18		12	
ARSON	1		1		0	
HATE CRIMES <i>Any of the aforementioned offenses, and other crime involving bodily injury, that manifest evidence of prejudice based on race, religion, sexual orientation, gender, disability or ethnicity are also reported as hate crimes.</i>	0		0		1	
LIQUOR LAW ARRESTS	13		23		5	
LIQUOR LAW VIOLATIONS REFERRED FOR DISCIPLINARY ACTION	226		113		222	
DRUG LAW ARRESTS	24		51		60	
DRUG LAW VIOLATIONS REFERRED FOR DISCIPLINARY ACTION	35		18		127	
ILLEGAL WEAPONS POSSESSION ARRESTS	5		0		4	
ILLEGAL WEAPONS POSSESSION VIOLATIONS REFERRED FOR DISCIPLINARY ACTION	8		0		2	

\* = Reported to persons other than police

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**  
**UMass Worcester**

ENROLLMENTS/NUMBER OF RESIDENTS	Fall 2005		Fall 2004		Fall 2003	
	Total Enrollment	# Living on Campus	Total Enrollment	# Living on Campus	Total Enrollment	# Living on Campus
UNDERGRADUATE STUDENTS	0	0	0	0	0	0
GRADUATE STUDENTS	1,008	0	896	0	829	0
OFFENSE	2005		2004		2003	
MURDER / NON-NEGLIGENT MANSLAUGHTER	0		0		0	
NEGLIGENT MANSLAUGHTER	0		0		0	
SEX OFFENSES, FORCIBLE	0		1		0	
SEX OFFENSES, NON-FORCIBLE	0		0		0	
ROBBERY	0		0		0	
AGGRAVATED ASSAULT	0		0		0	
BURGLARY	0		1		0	
MOTOR VEHICLE THEFT	4		10		3	
ARSON	0		0		0	
HATE CRIMES <i>Any of the aforementioned offenses, and other crime involving bodily injury, that manifest evidence of prejudice based on race, religion, sexual orientation, gender, disability or ethnicity are also reported as hate crimes.</i>	0		0		0	
LIQUOR LAW ARRESTS	0		0		0	
LIQUOR LAW VIOLATIONS REFERRED FOR DISCIPLINARY ACTION	0		0		0	
DRUG LAW ARRESTS	0		0		0	
DRUG LAW VIOLATIONS REFERRED FOR DISCIPLINARY ACTION	0		0		0	
ILLEGAL WEAPONS POSSESSION ARRESTS	0		0		0	
ILLEGAL WEAPONS POSSESSION VIOLATIONS REFERRED FOR DISCIPLINARY ACTION	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.



# University of Massachusetts 2006-07 Dashboard

## Admissions

## Student/Enrollment

## Research

## Finance

### Freshman Applications

37,627  
**37,627** ↑  
 29,543 +10.2%

### Total Fall FTE

49,165  
**49,165** ↑  
 46,758 +2.7%

### R&D Expenditures

\$404.0M  
**\$404.0M** ↑  
 \$298.7M +7.2%

### Total Revenues

\$2.13B  
**\$2.13B** ↑  
 \$1.51B +3.7%

### New Freshmen

7,990  
**7,990** ↑  
 6,458 +1.9%

### Undergraduate Students of Color

22.0%  
**22.0%** ↑  
 20.6% +0.9% pts

### R&D Growth Rate

16.4%  
**7.2%** ↑  
 6.2% +1.1% pts

### Endowment

\$260.2M  
**\$260.2M** ↑  
 \$161.4M +16.6%

### Acceptance Rate

75.9%  
**69.4%** ↓  
 60.2% -6.5% pts

### Percent of Need Met

92.0%  
**90.0%** ↓  
 89.3% -2.0% pts

### License Revenue

\$28.7M  
**\$27.2** ↓  
 \$14.9M -5.2%

### Private Funds Raised

\$87.8M  
**\$84.9M** ↓  
 \$63.0M -3.3%

### Yield Rate

32.7%  
**30.6%** ●

### Freshmen Retention Rate

80.1%  
**78.9%** ↓  
 78.9% F2005 Cohort -1.2% pts

### Invention Disclosures

194  
**141** ↑  
 109

### Return on Net Assets

10.9%  
**7.8%** ↓  
 7.8% -3.0% pts

### Transfer Applications

8,313  
**8,258** ↑  
 7,841 +5.3%

### 6-Year Graduation Rate

57.6%  
**56.4%** ↓  
 54.0% F2000 Cohort -1.2% pts

### Licenses Completed

50  
**43** ↓  
 21

### Debt Service Ratio

4.0%  
**3.6%** ●

### New Transfers

3,782  
**3,753** ↑  
 3,588 +4.2%

### UMassOnline Enrollment

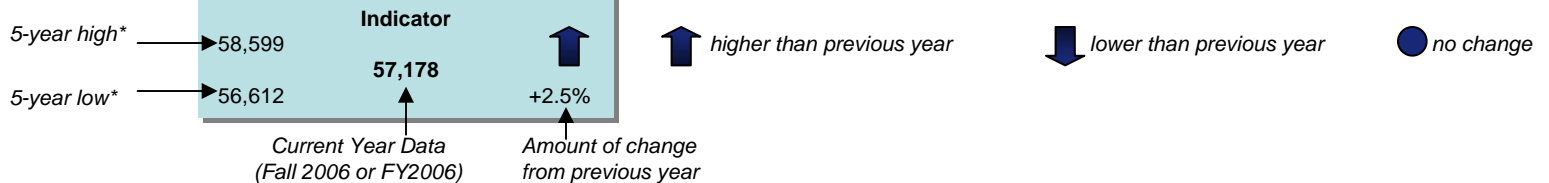
22,682  
**22,682** ↑  
 8,999 +23.0%

### Grant & Contract Revenues

\$453.2M  
**\$453.2M** ↑  
 \$346.4M +6.8%

### Financial Cushion

21.5%  
**18.3%** ↓  
 16.7% -3.2% pts



\* 4-year high/4-year low for the following indicators: Return on Net Assets; Debt Service Ratio; Financial Cushion.

# FACTS 2006-2007

**The University of Massachusetts** - The University was established in 1863 as the Massachusetts Agricultural College, located at Amherst. It became known as the Massachusetts State College in 1932 and in 1947 became the University of Massachusetts. The Worcester and Boston campuses were established in 1962 and 1964, respectively. The Lowell and Dartmouth campuses (previously the University of Lowell and Southeastern Massachusetts University, respectively) were consolidated into the University under Chapter 142 of the Acts of 1991. The University is governed by a single Board of Trustees composed of 19 voting members and three non-voting members. The President of the University (located in Boston) oversees the five-campus system, and each campus has its own Chancellor.

**UMass Amherst** - The flagship, public land-grant campus of the state's public higher education system, UMass Amherst is a major research institution enrolling more than 25,000 students from all 50 states and nearly 100 countries. UMass Amherst has achieved a reputation for excellence in a number of disciplines; its breadth of academic offerings; and its leadership role in teaching, research, and public service in the Commonwealth. Its 10 schools and colleges offer six associate's degrees, 87 undergraduate majors, 73 master's and 52 doctoral programs. Research activities total more than \$140 million a year. Located on 1,463 acres in the scenic Pioneer Valley of western Massachusetts, the campus provides a rich cultural environment in a rural setting close to major urban centers. As a member of the Five College consortium, the University shares a mutually rewarding relationship with students from Amherst, Hampshire, Mount Holyoke, and Smith colleges.

**UMass Boston** - Established in 1964, UMass Boston prides itself on providing challenging teaching, distinguished research, and extensive public service to Boston and the Commonwealth. The campus, overlooking Boston Harbor, offers 80 undergraduate degree programs, 63 master's and graduate certificate programs, 14 doctoral programs, and 12 undergraduate certificate programs through its six colleges, the McCormack Graduate School of Policy Studies, and the Division of Corporate, Continuing, and Distance Education. UMass Boston serves the most diverse student population in New England. As a leading urban institution that sponsors 39 research centers and institutes, UMass Boston contributes substantially to public policy discussion and formulation in areas such as economic development, education reform, environmental affairs, social services, and health care. UMass Boston is integral to the City and its neighborhoods, reaching out through partnerships with the Boston Public Schools, local businesses, community organizations, and youth sports.

**UMass Dartmouth** - A vibrant public university actively engaged in personalized teaching and innovative research, and acting as an intellectual catalyst for regional economic, social, and cultural development, UMass Dartmouth has an enrollment of more than 8,700 students in more than 40 undergraduate and 25 graduate programs (including four at the Ph.D. level) offered by the College of Arts and Sciences, the Charlton College of Business, the College of Engineering, the College of Nursing, the College of Visual and Performing Arts, and the School for Marine Science and Technology. The main campus, designed by the eminent architect Paul Rudolph, is located on 710 acres in North Dartmouth. Other university sites include the Center for Marine Science and Technology on the waterfront in New Bedford, the Advanced Technology and Manufacturing Center in Fall River, the Star Store Arts Campus in New Bedford, and professional and continuing education centers in Fall River and New Bedford. At UMass Dartmouth, the scholarly research and creative activities of faculty and graduate students are interwoven with the undergraduate experience.

**UMass Lowell** - Internationally recognized for its excellence in science and engineering, UMass Lowell is a leader in nanotechnology and nanomanufacturing, biomanufacturing, bioinformatics, and advanced materials. The campus offers 15 doctoral, 29 master's, and 38 bachelor's degree programs in science, engineering, health, humanities, social sciences, fine arts, education, and management. Signature programs include sound recording technology, plastics engineering, economic and social development of regions, and community health and sustainability. The campus maintains partnerships with businesses, health care providers, school systems, non-profit organizations, and government offices that enrich educational experience, research, and public service. UMass Lowell's research activities total more than \$29 million.

**UMass Worcester** - A world-renowned institution in primary care medical education and biomedical research, UMass Worcester is one of the fastest-growing academic health science centers in the country. The campus is home to three schools: the School of Medicine, the Graduate School of Biomedical Sciences, and the Graduate School of Nursing; a \$191 million research enterprise; and a range of public service initiatives throughout the Commonwealth. UMass Worcester offers four master's degree programs and 11 doctoral degree programs and, with its clinical partner UMass Memorial Health Care, provides general and specialized medical care to residents of central Massachusetts. In 2006, UMass Medical School's Craig C. Mello, Ph.D., was co-recipient of the Nobel Prize in Physiology or Medicine.

**UMassOnline** - The University of Massachusetts' online education consortium delivers accredited, online programs from UMass Amherst, Boston, Dartmouth, Lowell, and UMass Medical School. Online programs embody the same academic quality and rigor as their classroom counterparts and are fully accredited (NEASC) and nationally recognized. Online programs span the broad range of academic disciplines for which UMass is known: education, IT, nursing, public health, management, criminal justice, hospitality and tourism, and the liberal arts. Annually, UMassOnline delivers 45 graduate, undergraduate, and non-credit degrees and certificates, as well as 800 online courses to diverse, geographically dispersed learners.

## HEADCOUNT ENROLLMENT (Fall 2006)

	<i>Undergraduate</i>	<i>Graduate</i>	<i>TOTAL</i>
Amherst	19,823	5,770	25,593
Boston	9,246	3,116	12,362
Dartmouth	7,626	1,130	8,756
Lowell	8,649	2,559	11,208
Worcester	NA	1,020	1,020
<b>TOTAL</b>	<b>45,344</b>	<b>13,595</b>	<b>58,939</b>

NOTE: Continuing Education numbers are folded into undergraduate and graduate numbers.

## FULL-TIME & PART-TIME ENROLLMENT (Fall 2006)

	<u>UNDERGRADUATE</u>		<u>GRADUATE</u>	
	<i>% Full-Time</i>	<i>% Part-Time</i>	<i>% Full-Time</i>	<i>% Part-Time</i>
Amherst	93.0%	7.0%	37.1%	62.9%
Boston	62.5%	37.5%	29.3%	70.7%
Dartmouth	86.5%	13.5%	32.2%	67.8%
Lowell	68.2%	31.8%	30.1%	69.9%
Worcester	NA	NA	95.2%	4.8%
<b>TOTAL</b>	<b>81.0%</b>	<b>19.0%</b>	<b>38.0%</b>	<b>62.0%</b>

NOTE: Continuing Education numbers are folded into undergraduate and graduate numbers.

## STUDENT RESIDENCY (Fall 2006) Massachusetts Residents as a Percent of Total Enrollment

	<i>Undergraduate</i>	<i>Graduate</i>	<i>TOTAL</i>
Amherst	79.8%	40.6%	71.0%
Boston	88.9%	75.5%	85.5%
Dartmouth	95.0%	62.6%	90.8%
Lowell	88.3%	70.9%	84.4%
Worcester	NA	74.0%	74.0%
<b>TOTAL</b>	<b>85.8%</b>	<b>58.6%</b>	<b>79.6%</b>

## ALUMNI RESIDENCY (Fall 2006)

	<i>Resident</i>	<i>Non-Resident</i>	<i>TOTAL</i>
Amherst	107,211	96,723	203,934
Boston	44,139	12,769	56,908
Dartmouth	29,949	12,231	42,180
Lowell	37,826	22,927	60,753
Worcester	2,124	1,494	3,618
<b>TOTAL</b>	<b>221,249</b>	<b>146,144</b>	<b>367,393</b>

## ADMISSIONS (Fall 2006) Number of Incoming Matriculated Undergraduate Students

	<i>First-time Freshmen</i>	<i>Transfers</i>	<i>TOTAL</i>
Amherst	4,190	1,073	5,263
Boston	974	1,503	2,477
Dartmouth	1,592	440	2,032
Lowell	1,234	737	1,971
Worcester	NA	NA	NA
<b>TOTAL</b>	<b>7,990</b>	<b>3,753</b>	<b>11,743</b>

## ANNUAL STUDENTS COSTS (Fall 2006) Tuition & Mandatory Fees

	<i>Tuition &amp; Mand Fees Resident</i>	<i>Tuition &amp; Mand Fees Non-Res</i>	<i>Room &amp; Board**</i>	<i>Total T&amp;F and R&amp;B Resident</i>	<i>Total T&amp;F and R&amp;B Non-Res</i>
<u>UNDERGRADUATE</u>					
Amherst	\$9,595	\$19,317	\$6,989	\$16,584	\$26,306
Boston	\$8,546	\$19,977	NA	NA	NA
Dartmouth	\$8,309	\$17,809	\$8,893	\$17,202	\$26,702
Lowell	\$8,444	\$19,714	\$6,520	\$14,964	\$26,234

	<i>Tuition &amp; Mand Fees Resident</i>	<i>Tuition &amp; Mand Fees Non-Res</i>	<i>Room &amp; Board**</i>	<i>Total T&amp;F and R&amp;B Resident</i>	<i>Total T&amp;F and R&amp;B Non-Res</i>
<u>GRADUATE</u>					
Amherst	\$9,882	\$18,906	\$6,989	\$16,871	\$25,895
Boston	\$9,828	\$19,989	NA	NA	NA
Dartmouth	\$9,446	\$17,809	\$8,893	\$18,339	\$26,702
Lowell*	\$7,969	\$15,753	\$6,520	\$14,489	\$22,273
Worcester					
Biomed	\$6,582	\$13,798	NA	NA	NA
Medical	\$14,062	NA	NA	NA	NA
Nursing					
-Trad Path	\$8,350	\$15,566	NA	NA	NA
-GEP Path	\$22,508	\$32,980	NA	NA	NA

\* Per 9 credit load

\*\* Includes Telecommunications Charges

## DEGREES CONFERRED (2006-2007)

	<i>Associate's/ Certificate</i>	<i>Bachelor's</i>	<i>Master's/ CAGS*</i>	<i>Doctorate/ MD</i>	<i>TOTAL</i>
Amherst	70	4,038	1,189	253	5,550
Boston	140	1,606	686	21	2,453
Dartmouth	-	1,153	249	4	1,406
Lowell	29	1,294	480	93	1,896
Worcester	3	-	38	117	158
<b>TOTAL</b>	<b>242</b>	<b>8,091</b>	<b>2,642</b>	<b>488</b>	<b>11,463</b>

\* CAGS = Certificate of Advanced Graduate Studies

# FACTS 2006-2007

## RESEARCH EXPENDITURES (FY 2006)

Amherst	\$140,184,000
Boston	\$22,347,000
Dartmouth	\$20,389,000
Lowell	\$29,383,000
Worcester	\$191,659,000
<b>TOTAL</b>	<b>\$403,962,000</b>

## TECHNOLOGY COMMERCIALIZATION (FY 2006)

Invention Disclosures	141
Licenses Completed	43
License Revenue	\$27,183,583

## EMPLOYEES (Fall 2006 Headcount)

		Faculty	Professional	Classified	TOTAL
Amherst	full-time	1,194	1,506	1,957	4,657
	part-time	291	171	204	666
	<b>Total</b>	<b>1,485</b>	<b>1,677</b>	<b>2,161</b>	<b>5,323</b>
Boston	full-time	435	603	404	1,442
	part-time	380	188	336	904
	<b>Total</b>	<b>815</b>	<b>791</b>	<b>740</b>	<b>2,346</b>
Dartmouth	full-time	359	335	364	1,058
	part-time	225	55	12	292
	<b>Total</b>	<b>584</b>	<b>390</b>	<b>376</b>	<b>1,350</b>
Lowell	full-time	405	479	242	1,126
	part-time	411	25	10	446
	<b>Total</b>	<b>816</b>	<b>504</b>	<b>252</b>	<b>1,572</b>
Worcester	full-time	939	2,540	1,243	4,722
	part-time	119	163	282	564
	<b>Total</b>	<b>1,058</b>	<b>2,703</b>	<b>1,525</b>	<b>5,286</b>
System	full-time	0	294	18	312
	part-time	2	42	6	50
	<b>Total</b>	<b>2</b>	<b>336</b>	<b>24</b>	<b>362</b>
<b>TOTAL</b>	full-time	<b>3,332</b>	<b>5,757</b>	<b>4,228</b>	<b>13,317</b>
	part-time	<b>1,428</b>	<b>644</b>	<b>850</b>	<b>2,922</b>
	<b>Total</b>	<b>4,760</b>	<b>6,401</b>	<b>5,078</b>	<b>16,239</b>

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 Worcester, MA 01655  
 508-856-8100

CONTACT	WEBSITE	MAIN NUMBER	ADMISSIONS	PUBLIC AFFAIRS
Amherst	www.umass.edu	413-545-0111	413-545-0222	413-545-0444
Boston	www.umb.edu	617-287-5000	617-287-6100	617-287-5315
Dartmouth	www.umassd.edu	508-999-8000	508-999-8605	508-999-8765
Lowell	www.uml.edu	978-934-4000	978-934-3930	978-934-3220
Worcester	www.umassmed.edu	508-856-8989	508-856-2323	508-856-2000
UMassOnline	www.UMassOnline.net	508-856-5203	508-856-5203	508-856-1030



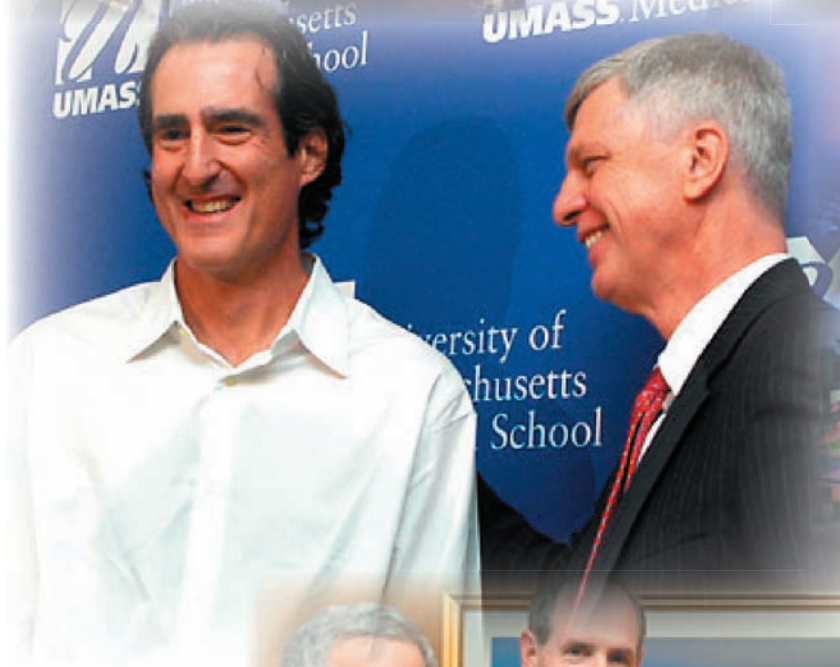
Amherst • Boston • Dartmouth • Lowell • Worcester

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Office of the President  
 University of Massachusetts  
 225 Franklin Street  
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 617-287-7000  
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## University of Massachusetts Annual Financial Report 2006

## University Administration As of September 28, 2006

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David J. Gray, Vice President for Information Services and Chief Information Officer  
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Stephen W. Lenhardt, Vice President for Management & Fiscal Affairs and  
University Treasurer  
J. Keith Motley, Ph.D., Vice President for Business and Public Affairs  
Lawrence T. Bench, Interim General Counsel  
Barbara F. DeVico, Secretary to the Board of Trustees

### *On the cover (clockwise from left):*

UMass Amherst Marching Band, one of the nation's best

UMass Dartmouth's College of Visual and Performing Arts, Star Store Campus in New Bedford

LeLacheur Park, a partnership of UMass Lowell and the City of Lowell

UMass and Chinese Officials launch the University of Massachusetts Confucius Institute. Left to right: Board of Trustees Chairman Stephen P. Tocco; UMass Boston Chancellor Michael F. Collins;

UMass President Jack M. Wilson and Xu Lin, Director General of Hanban (The Office of Chinese Language Council International)

Left to Right: The UMass Medical School's Graig C. Mello, PhD and UMass President Jack M. Wilson. Dr. Mello Won the Nobel Prize in Physiology or Medicine for 2006 along with his colleague Andrew Fire, PhD, of Stanford University for their discoveries related to RNA interference.

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## The UMass Campuses



UMass Amherst

The *University of Massachusetts at Amherst*, the University's flagship campus, serves western Massachusetts. The campus is recognized for its honors programs (Commonwealth College) and research in polymers, computer science, remote sensing, and neuroscience, with emerging strength in life sciences and renewable energy.

UMass Amherst conducts over \$130 million in Research and Development (R&D) annually. The campus has won two national R&D centers in recent years (in atmospheric sensing and nanotechnology) and joined Baystate Medical Center, one of the leading hospitals in western Massachusetts, to form the Pioneer Valley Life Sciences Initiative.



UMass Boston

The *University of Massachusetts at Boston*, the state capital's only public university and New England's most diverse campus, provides a special focus on Greater Boston issues, public policy and environmental and ocean sciences.

The campus has strong links with K-12 schools, as evidenced by a \$12 million National Science Foundation (NSF) initiative in science teaching, and takes pride in its efforts to inform public policy development.



UMass Dartmouth

The *University of Massachusetts at Dartmouth* is the only Massachusetts research university south of Boston. The Dartmouth campus is an economic and cultural resource for southeastern Massachusetts. Key regional initiatives include the school of Marine Science and Technology and the College of Visual and Performing Arts in New Bedford, the Advanced Technology Manufacturing Center in Fall River and the campus-based Ferreira-Mendes Portuguese-American Archives.





UMass Lowell

The system's most technologically oriented campus with a tradition of industry collaboration and service to the Merrimack Valley in northern Massachusetts is the *University of Massachusetts at Lowell*. UMass Lowell is a partner with Northeastern University and the University of New Hampshire (UNH) in a nanotechnology R&D center and is home to the University's first incubator, which has given birth to several new companies.



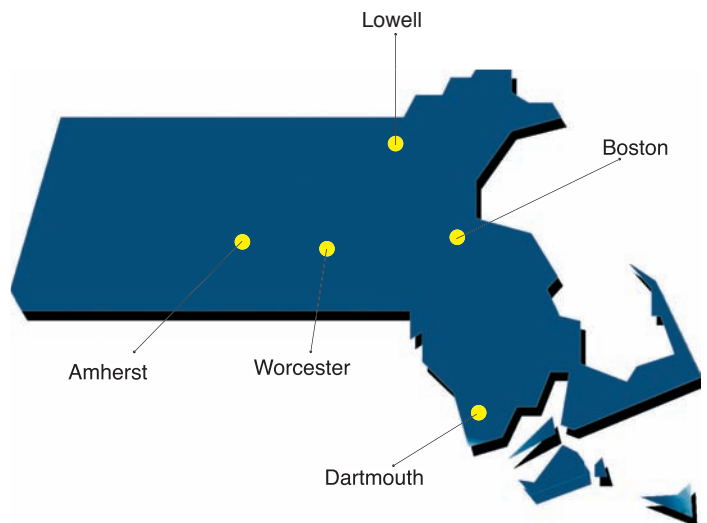
UMass Worcester

The *University of Massachusetts Medical School* in Worcester serves Central Massachusetts. UMass Medical is a premier life sciences campus, which conducts \$175 million in annual R&D. The campus provides nationally ranked medical education and a robust research program with a dedicated focus on gene silencing, infectious disease, vaccine development, diabetes, AIDS and cancer. The campus is home to a new \$125 million biomedical research center and serves as the anchor for the 2,000-person Mass Biotechnology Park in Worcester.



UMassOnline was created in 2001 to meet the online educational needs of people locally, nationally, and internationally. While not a campus, the University's online education division delivers accredited, online programs from the UMass campuses to students around the globe. Online programs offer the same top professors, rigorous standards and respected degrees as academic programs on campus. UMassOnline offers more than 60 of the University's degrees and certificates available online and 1,000 online courses offered annually.

UMassOnline has received global recognition, awarded USDLA's "21st Century Best Practices Award". The Times of London also ranked the program "45th Best University System in the World". In addition, UMassOnline has supported over 21,000 students in online programs and launched 13 new programs.



## From the President

As an institution of higher education, the University of Massachusetts is in the unique position of creating economic opportunities in every region of the Commonwealth. In fact, a recent Donahue Institute economic-impact study has shown that the University has leveraged the state's most recent appropriation of \$527 million to generate an economic impact of approximately \$4.3 billion within Massachusetts. This means that every dollar invested in UMass results in eight dollars worth of economic activity.

In addition, the University is among the top ten employers in the state, with more than 15,000 employees, and our \$2 billion annual operating budget generates an additional 14,000 private sector jobs, according to the study.

The University also continues to be a leader in research and innovation. The \$375 million worth of sponsored research and development at UMass last year created new companies and led to discoveries that are helping to improve life throughout the state, the nation and the world. That research, in turn, resulted in nearly \$30 million in technology commercialization, making UMass number one in this area in Massachusetts and among the top 15 universities in the U.S. Those funds, reinvested in research, help to continue the growth of research on our campuses in Amherst, Boston, Dartmouth, Lowell and Worcester. We also leveraged state research and development matching grants from the John Adams Innovation Institute to win competitions for three national research centers, two in nanotechnology (\$30 million in federal funds) and one in atmospheric testing.

During this past year, UMass-sponsored research hit an unprecedented level with the awarding of the Nobel Prize in Physiology or Medicine to UMass Medical School researcher Dr. Craig C. Mello and his colleague, Dr. Andrew Z. Fire, for their groundbreaking work on RNAi interference, or gene-silencing, a scientific process that could lead to treatments and cures for some of the most virulent diseases known to mankind, including cancer, ALS (Lou Gehrig's Disease), and HIV/AIDS. Dr. Mello's work placed an international spotlight on the research being done at UMass and demonstrated that, not only can we compete on the world stage, but we can win, too.

This year, the University garnered over \$76 million in appropriations and capital authorizations from the state for science and technology initiatives that enhance our economic development mission. Those funds include \$21 million in appropriations and \$24 million in capital authorizations for the Massachusetts BioManufacturing Center, to be developed by UMass Dartmouth and UMass Lowell; a \$20 million capital authorization for a new Integrated Sciences Building at UMass Amherst; \$5 million for a Venture Development Center at UMass Boston; \$2.5 million for UMass Medical School's Biomedical Institute for Discovery; an additional \$3 million for the Massachusetts Technology Transfer Center; and \$1 million for the Commonwealth Information Technology Initiative. We also awarded a total of \$1 million to support eight faculty research projects through the UMass President's Science and Technology Initiatives Fund.

A number of high-profile activities this past year reinforced the role of the University of Massachusetts as a growing presence around the world. We established partnerships with additional universities overseas, such as Tsinghua University in China, the University of Cape Town and others in South Africa and the nine universities of the state of Baden-Wurttemberg in Germany. These partnerships include both student and faculty exchanges and research collaborations. We also awarded the University's first-ever, system-wide honorary degrees to the former president of South Africa, Nelson Mandela, and his wife, Graca Machel, during a ceremony in Johannesburg.

In addition, the University recently partnered with the Massachusetts Office of International Trade and Investment to promote academic and research collaborations and economic linkages between Massachusetts and China. These collaborations include the recent establishment of a system-wide Confucius Institute at UMass Boston - the first in New England - to promote understanding of Chinese language and culture in Massachusetts and throughout the New England region.

It is clear that the path to economic development in the Commonwealth of Massachusetts continues to go through the University of Massachusetts. With the largest enrollment of any higher education institution in the state, we continue our daily efforts to educate students who will excel in the knowledge-based, global economy of today and tomorrow. We also continue to call on talented UMass alums to share their experience and expertise with students and the wider University community. More than 215,000 UMass alumni work, live and serve in the communities of Massachusetts. They help to run major enterprises such as Raytheon and start exciting ventures such as Monster.com.

As this report shows, UMass creates jobs, prepares our citizens to succeed in those jobs and fosters economic and social activity that strengthens communities across our Commonwealth in every region of Massachusetts.

Jack M. Wilson  
President  
University of Massachusetts





November 8, 2006

To the Board of Trustees  
and President Jack M. Wilson

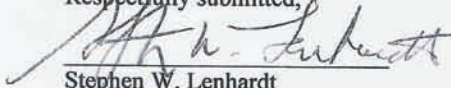
We are pleased to submit the annual Financial Report of the University of Massachusetts for the year ended June 30, 2006. The enclosed financial statements incorporate all financial activity of the University and its five campuses. This statement has been audited by an independent auditing firm and is fully represented in the financial report of the Commonwealth of Massachusetts. Detailed information about each campus is provided as supplemental information.

The financial information presented in the Financial Report is designed to aid a wide variety of readers to assess the effectiveness of the University's management of its resources in meeting its primary mission of instruction, research, and public service. This report is intended to form a comprehensive and permanent record of the finances of the University of Massachusetts, and it is submitted as the public accounting of the University's financial affairs for the fiscal year ended June 30, 2006 including comparative information as of June 30, 2005.

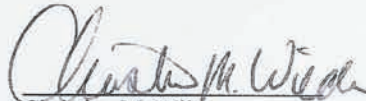
The University's net assets increased \$58.2 million from \$1.29 billion in fiscal year 2005 to \$1.35 billion in fiscal year 2006. The major components of the increase are related to increases in student fee revenues across the campuses and physical plant improvements.

Each year, the Board of Trustees approves five-year targets for five key financial indicators that are likely to determine the success of the University over the long term. Those key indicators are operating margin, financial cushion, current ratio, debt service to operations, and endowment per student. During 2006, the University met or exceeded its targets for all five indicators. Overall, the University made important progress in fiscal 2006 toward the achievement of its long-term financial objectives of growth and stability.

Respectfully submitted,



Stephen W. Lenhardt  
Vice President, Management  
and Fiscal Affairs & Treasurer



Christine M. Wilda  
University Controller

# Report of Independent Auditors



PricewaterhouseCoopers LLP  
125 High Street  
Boston MA 02110  
Telephone (617) 530 5000  
Facsimile (617) 530 5001

## Report of Independent Auditors

To the Board of Trustees of the  
University of Massachusetts:

In our opinion, based on our audits and the report of other auditors, the accompanying statements of net assets and the related statements of revenues, expenses and changes in net assets, and of cash flows present fairly, in all material respects, the financial position of the University of Massachusetts (the "University"), and its discretely presented component units, at June 30, 2006 and 2005, and its revenues, expenses and changes in net assets and its cash flows for the years then ended, in conformity with accounting principles generally accepted in the United States of America. These financial statements are the responsibility of the University's management; our responsibility is to express an opinion on these financial statements based on our audits. We did not audit the financial statements of the University of Massachusetts Building Authority (a blended component unit included in the column titled University) or the University of Massachusetts Dartmouth Foundation, Inc. (a discretely-presented component unit included in the column titled University Related Organizations), which statements reflect total net assets of \$130.4 million of the University and \$23.86 million of the University Related Organizations, and \$117.0 million of the University and \$20.3 million of the University Related Organizations as of June 30, 2006 and 2005, respectively, and total revenue of \$67.0 million of the University and \$5.4 million of the University Related Organizations and \$76.6 million of the University and \$5.4 million of the University Related Organizations for the years ended June 30, 2006 and 2005, respectively. Those statements were audited by other auditors whose report thereon has been furnished to us, and our opinion expressed herein, insofar as it relates to the amounts included for these components of the University, is based solely on the report of the other auditors. We conducted our audits of these statements in accordance with auditing standards generally accepted in the United States of America, which require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatement. An audit includes examining, on a test basis, evidence supporting the amounts and disclosures in the financial statements, assessing the accounting principles used and significant estimates made by management, and evaluating the overall financial statement presentation. We believe that our audits and the reports of other auditors provide a reasonable basis for our opinion.

The Management's Discussion and Analysis included in this document is not a required part of the basic financial statements but is supplementary information required by the Governmental Accounting Standards Board. We have applied certain limited procedures, which consist principally of inquiries of management regarding the presentation of the supplementary information. However, we did not audit the information and express no opinion on it.

*PricewaterhouseCoopers LLP*  
November 8, 2006



# Management's Discussion and Analysis

## June 30, 2006

### Introduction

This unaudited section of the University of Massachusetts (the "University") Annual Financial Report presents our discussion and analysis of the financial position and performance of the University and its component units during the fiscal year ended June 30, 2006 with comparative information as of June 30, 2005, and June 30, 2004. This discussion and analysis has been prepared by management along with the accompanying financial statements and related footnote disclosures and should be read in conjunction with, and is qualified in its entirety by, the financial statements and footnotes. The accompanying financial statements, footnotes and this discussion are the responsibility of management.

The University of Massachusetts is a state coeducational institution for higher education with separate campuses at Amherst, Boston, Dartmouth, Lowell and Worcester all located in the Commonwealth of Massachusetts (the "Commonwealth"). The University was established in 1863 in Amherst, under the provisions of the 1862 Morrill Land Grant Acts, as the Massachusetts Agricultural College. It became known as the Massachusetts State College in 1932 and in 1947 became the University of Massachusetts. The Boston campus was opened in 1965 and the Worcester campus, Medical School, was opened in 1970. The Lowell and Dartmouth campuses (previously the University of Lowell and Southeastern Massachusetts University, respectively) were made a part of the University by a legislative act of the Commonwealth, effective September 1, 1991.

The University's mission is to provide an affordable and accessible education of high quality and to conduct programs of research and public service that advance knowledge and improve the lives of the people of the Commonwealth, the nation and the world. In the fall of 2005, the University enrolled approximately 47,915 full-time equivalent ("FTE") students. The University is committed to providing, without discrimination, diverse program offerings to meet the needs of the whole of the state's population. The University's five campuses are geographically dispersed throughout Massachusetts and possess unique and complementary missions.

### Basis of Presentation

The annual financial report and statements include the University and certain other organizations that have a significant relationship with the University. The statements include the University's blended component units, which are the University of Massachusetts Building Authority (the "Building Authority"), a public instrumentality of the Commonwealth created by Chapter 773 of the Acts of 1960 of the Commonwealth, and Worcester City Campus Corporation ("WCCC"), a not-for-profit 501(C)(3) organization and the University of Massachusetts Amherst

Foundation, Inc. (the "UMass Amherst Foundation") which was established in fiscal year 2003. The purposes of

the Building Authority is to provide dormitories, dining commons and other buildings and structures for use by the University and entities associated with the University and to issue bonds to finance such projects. On November 4, 1992, the University created WCCC as a Massachusetts not-for-profit corporation to purchase various assets of Worcester City Hospital, to operate as a real estate holding company and to foster and promote the growth, progress and general welfare of the University. WCCC includes the Worcester Foundation for Biomedical Research, Inc. (WFBR) as a subsidiary. The University's discrete component units are the University of Massachusetts Foundation, Inc. (the "Foundation") and the University of Massachusetts Dartmouth Foundation, Inc. (the "Dartmouth Foundation"). These foundations are related tax exempt organizations founded to foster and promote the growth, progress and general welfare of the University, and to solicit, receive, and administer gifts and donations for such purposes. The University of Massachusetts Foundation manages the majority of the University's endowment.

### Financial Highlights

The University's combined net assets increased \$58.2 million from \$1.29 billion in fiscal year 2005 to \$1.35 billion in fiscal year 2006. The major components of these increases relate to increases in student fee revenues across the University campuses and physical plant improvements.

### Using the Annual Financial Report

One of the most important questions asked about University finances is whether the University as a whole is better off or worse off as a result of the year's activities. The key to understanding this question is the Statement of Net Assets, Statement of Revenues, Expenses and Changes in Net Assets and the Statement of Cash Flows. These statements present financial information in a form similar to that used by corporations. The University's net assets (the difference between assets and liabilities) are one indicator of the University's financial health. Over time, increases or decreases in net assets is one indicator of the improvement or erosion of an institution's financial health when considered with non-financial facts such as enrollment levels and the condition of the facilities.

The statement of net assets includes all assets and liabilities of the University. It is prepared under the accrual basis of accounting, whereby revenues and assets are recognized when the services are provided and expenses and liabilities are recognized when services are received, regardless of when cash is exchanged. Net assets are further broken down into three categories: Investment in plant, net of debt, restricted and unrestricted. Invested in capital assets, net of related debt represents the historical cost of property and equipment, reduced by the balance of related debt outstanding and depreciation expense charged over the years. Net assets are reported as restricted when constraints are imposed by third parties, such as donors, or enabling legislation. Restricted net assets are either non-expendable, as in the case of endowment gifts to be held in perpetuity, or expendable, as in the case of funds to be spent on scholarships and research. All other assets are unrestricted; however, they may be committed for use under contract or designation by the Board of Trustees.

## Management's Discussion and Analysis (continued)

The statement of revenues, expenses and changes in net assets presents the revenues earned and expenses incurred during the year. Activities are reported as either operating or nonoperating. Operating revenues and expenses include tuition and fees, grant and contract activity, auxiliary enterprises and activity for the general operations of the institution not including appropriations from state and federal sources. Non-operating revenues and expenses include appropriations, capital grants and contracts, endowment, gifts and investment income. All things being equal, a public University's dependency on state aid and gifts will result in operating deficits. That is because the financial reporting model classifies state appropriations and gifts as nonoperating revenues. The utilization of long-lived assets, referred to as capital assets, is reflected in the financial statements as depreciation, which amortizes the cost of a capital asset over its expected useful life.

Another important factor to consider when evaluating financial viability is the University's ability to meet financial obligations as they mature. The statement of cash flows

presents information related to cash inflows and outflows summarized by operating, capital and non-capital, financing and investing activities.

The footnotes provide additional information that is essential to understanding the information provided in the external financial statements.

### Reporting Entity

The financial statements report information about the University as a whole using accounting methods similar to those used by private-sector companies. The financial statements of the University are separated between University (including its blended component units) and its discretely presented Component Unit activities. The University's discretely presented Component Units (or Related Organizations) are the University of Massachusetts Foundation, Inc., and the University of Massachusetts Dartmouth Foundation, Inc.

### Condensed Financial Information

University of Massachusetts Condensed Statement of Net Assets As of June 30, 2006, 2005 and 2004 (In thousands of dollars)					
	University June 30, 2006	University June 30, 2005	Change	University June 30, 2004	Change
<b>Assets</b>					
Current Assets	\$528,295	\$526,739	\$1,556	\$464,582	\$62,157
Noncurrent Assets					
Investment In Plant Net of Accumulated Depreciation	1,499,607	1,330,410	169,197	1,163,700	166,710
All other noncurrent assets	877,185	891,988	(14,803)	929,967	(37,979)
<b>Total Assets</b>	<b>\$2,905,087</b>	<b>\$2,749,137</b>	<b>\$155,950</b>	<b>\$2,558,249</b>	<b>\$190,888</b>
<b>Liabilities</b>					
Current Liabilities	\$507,229	\$383,772	\$123,457	\$348,643	\$35,129
Noncurrent Liabilities	1,048,080	1,073,836	(25,756)	1,040,976	32,860
<b>Total Liabilities</b>	<b>\$1,555,309</b>	<b>\$1,457,608</b>	<b>\$97,701</b>	<b>\$1,389,619</b>	<b>\$67,989</b>
<b>Net Assets</b>					
Invested in Capital Assets Net of Related Debt	\$804,053	\$739,312	\$64,741	\$713,903	\$25,409
Restricted					
Nonexpendable	16,136	15,559	577	14,433	1,126
Expendable	146,903	160,116	(13,213)	124,272	35,844
Unrestricted	382,686	376,542	6,144	316,022	60,520
<b>Total Net Assets</b>	<b>\$1,349,778</b>	<b>\$1,291,529</b>	<b>\$58,249</b>	<b>\$1,168,630</b>	<b>\$122,899</b>

Management's Discussion and Analysis (continued)

<b>Condensed Statement of Net Assets for Related Organizations</b>					
<b>As of June 30, 2006, 2005 and 2004</b>					
<b>(In thousands of dollars)</b>					
	<b>University Related Organizations June 30, 2006</b>	<b>University Related Organizations June 30, 2005</b>	<b>Change</b>	<b>University Related Organizations June 30, 2004</b>	<b>Change</b>
<b>Assets</b>					
Current Assets	\$4,594	\$5,716	(\$1,122)	\$6,595	(\$879)
Noncurrent Assets					
Investment In Plant Net of Accumulated Depreciation	1,003	1,006	(3)	1,019	(13)
All other noncurrent assets	249,525	218,860	30,665	189,284	29,576
<b>Total Assets</b>	<b>\$255,122</b>	<b>\$225,582</b>	<b>\$29,540</b>	<b>\$196,898</b>	<b>\$28,684</b>
<b>Liabilities</b>					
Current Liabilities	\$6,136	\$7,299	(\$1,163)	\$2,017	\$5,282
Noncurrent Liabilities	2,914	2,588	326	3,282	(694)
<b>Total Liabilities</b>	<b>\$9,050</b>	<b>\$9,887</b>	<b>(\$837)</b>	<b>\$5,299</b>	<b>\$4,588</b>
<b>Net Assets</b>					
Invested in Capital Assets Net of Related Debt	\$1,003	\$597	\$406	\$230	\$367
Restricted					
Nonexpendable	178,692	161,178	17,514	144,790	16,388
Expendable	61,091	49,334	11,757	44,388	4,946
Unrestricted	5,286	4,586	700	2,191	2,395
<b>Total Net Assets</b>	<b>\$246,072</b>	<b>\$215,695</b>	<b>\$30,377</b>	<b>\$191,599</b>	<b>\$24,096</b>

At June 30, 2006, total University assets were \$2.90 billion, an increase of \$156.0 million over the \$2.75 billion in assets recorded for fiscal year 2005. Much of the increase can be attributed to increases in investment in plant assets, accounts receivable from UMass Memorial and non-current investments. The University's largest asset continues to be its net investment in its physical plant of \$1.5 billion at June 30, 2006 (\$1.3 billion in fiscal year 2005).

At June 30, 2005, total University assets were \$2.75 billion, an increase of \$190.8 million over the \$2.56 billion in assets recorded for fiscal year 2004. Much of the increase can be attributed to increases in investments, cash held by the state treasurer and investment in plant assets. The University's largest asset was its net investment in its physical plant of \$1.33 billion at June 30, 2005 (\$1.16 billion in fiscal year 2004).

University liabilities totaled \$1.56 billion at June 30, 2006, an increase of \$97.7 million over fiscal year 2005 (\$1.46 billion). Long-term debt largely consists of bonds payable and capitalized lease obligations amounting to \$1.01 billion at June 30, 2006. This represents a decrease of approximately \$15.1 million over long-term debt obligations of \$1.02 billion in fiscal year 2005. This decrease reflects the pay down of debt through debt service payments. Other liabilities increased \$87.1 million due primarily to an outstanding liability to the Commonwealth of Massachusetts of \$80.0 million from the Commonwealth Medicine program at the Worcester campus.

University liabilities totaled \$1.46 billion at June 30, 2005, an increase of \$67.9 million over fiscal year 2004 (\$1.39 billion). Long-term debt largely consists of bonds payable and capitalized lease obligations amounting to \$1.02 billion at June 30, 2005. This represents an increase of \$15.1 million over long-term debt obligations of \$1.01 billion in fiscal year 2004. This increase reflects new master lease debt on the Amherst campus.

The University's current assets as of June 30, 2006 of \$528.3 million were sufficient to cover current liabilities of \$507.2 million, as the current ratio was 1.04 dollars in assets to every one-dollar in liabilities. At June 30, 2005, the current ratio was 1.37 (\$526.7 million in assets for \$383.8 million in liabilities). At June 30, 2004, the current ratio was 1.33 (\$464.6 million in assets for \$348.6 million in liabilities). The decrease in the current ratio from 2005 to 2006 is mostly attributable to increased construction activity during 2006 resulting in additional accounts payable at year end and the timing of a payment to the Commonwealth of Massachusetts for fringe benefit costs at the Worcester campus.

The unrestricted and restricted expendable net assets totaled \$529.6 million in fiscal year 2006, which represents 25.7% of total operating expenditures of \$2.06 billion. In fiscal year 2005, expendable net assets of \$536.7 million to \$1.93 billion of total operating expenditures resulted in a ratio of 27.9%. In fiscal year 2004, expendable net assets of \$440.3 million to operating expenditures of \$1.62 billion made the expendable net assets to spending ratio 27.2%.

Management's Discussion and Analysis (continued)

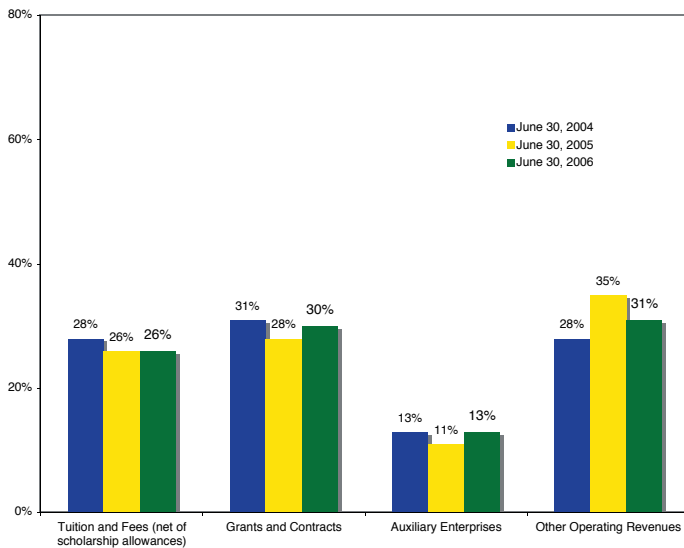
<b>University of Massachusetts</b>					
<b>Condensed Statement of Revenues, Expenses, and Changes in Net Assets</b>					
<b>As of June 30, 2006, 2005 and 2004</b>					
<b>(In thousands of dollars)</b>					
	<b>University June 30, 2006</b>	<b>University June 30, 2005</b>	<b>Change</b>	<b>University June 30, 2004</b>	<b>Change</b>
<b>Operating Revenues</b>					
Tuition and Fees (net of scholarship allowances of \$73,467 at June 30, 2006, \$66,887 at June 30, 2005 and \$63,185 at June 30, 2004)	\$406,705	\$388,385	\$18,320	\$361,762	\$26,623
Grants and Contracts	453,178	424,184	28,994	401,750	22,434
Auxiliary Enterprises	195,352	172,745	22,607	163,894	8,851
Other Operating Revenues	474,818	524,713	(49,895)	362,535	162,178
<b>Total Operating Revenues</b>	<b>1,530,053</b>	<b>1,510,027</b>	<b>20,026</b>	<b>1,289,941</b>	<b>220,086</b>
<b>Operating Expenses</b>	<b>2,059,948</b>	<b>1,926,740</b>	<b>133,208</b>	<b>1,621,582</b>	<b>305,158</b>
<b>Operating Loss</b>	<b>(529,895)</b>	<b>(416,713)</b>	<b>(113,182)</b>	<b>(331,641)</b>	<b>(85,072)</b>
<b>Nonoperating Revenues</b>					
Federal Appropriations	7,044	7,016	28	6,849	167
State Appropriations	526,749	478,813	47,936	398,154	80,659
Other Nonoperating Income	39,701	35,666	4,035	27,727	7,939
<b>Net Nonoperating Revenues</b>	<b>573,494</b>	<b>521,495</b>	<b>51,999</b>	<b>432,730</b>	<b>88,765</b>
<b>Income Before Other Revenues, Expenses, Gains or Losses</b>	<b>43,599</b>	<b>104,782</b>	<b>(61,183)</b>	<b>101,089</b>	<b>3,693</b>
Capital Appropriations	27,147	27,417	(270)	19,135	8,282
University Related Organization Transactions	593	-	593	676	(676)
Disposal of Plant Facilities	(11,276)	(11,990)	714	(14,099)	2,109
Other	27,127	2,690	24,437	7,131	(4,441)
<b>Total Other Revenues, Expenses, Gains, and Losses</b>	<b>43,591</b>	<b>18,117</b>	<b>25,474</b>	<b>12,843</b>	<b>5,274</b>
<b>Total Increase in Net Assets</b>	<b>87,190</b>	<b>122,899</b>	<b>(35,709)</b>	<b>113,932</b>	<b>8,967</b>
<b>Net Assets</b>					
Net Assets at Beginning of Year	1,291,529	1,168,630	122,899	1,054,698	113,932
<b>Net Assets at End of Year</b>	<b>\$1,378,719</b>	<b>\$1,291,529</b>	<b>\$87,190</b>	<b>\$1,168,630</b>	<b>\$122,899</b>

<b>Condensed Statement of Revenues, Expenses, and Changes in Net Assets for University Related Organizations</b>					
<b>As of June 30, 2006, 2005 and 2004</b>					
<b>(In thousands of dollars)</b>					
	<b>University Related Organizations June 30, 2006</b>	<b>University Related Organizations June 30, 2005</b>	<b>Change</b>	<b>University Related Organizations June 30, 2004</b>	<b>Change</b>
<b>Operating Expenses</b>	<b>\$16,939</b>	<b>\$13,691</b>	<b>\$3,248</b>	<b>\$11,321</b>	<b>\$2,370</b>
<b>Operating Loss</b>	<b>(16,939)</b>	<b>(13,691)</b>	<b>(3,248)</b>	<b>(11,321)</b>	<b>(2,370)</b>
<b>Nonoperating Revenues</b>					
Other Nonoperating Income	28,844	21,830	7,014	18,787	3,043
<b>Net Nonoperating Revenues</b>	<b>28,844</b>	<b>21,830</b>	<b>7,014</b>	<b>18,787</b>	<b>3,043</b>
<b>Income Before Other Revenues, Expenses, Gains or Losses</b>	<b>11,905</b>	<b>8,139</b>	<b>3,766</b>	<b>7,466</b>	<b>673</b>
Additions to Permanent Endowments	14,401	16,312	(1,911)	13,113	3,199
University Related Organization Transactions	(593)	-	(593)	(676)	676
Gain from Disposal of Previously Discontinued Operations	-	-	-	(206)	206
Other	4,664	(355)	5,019	4	(359)
<b>Total Other Revenues, Expenses, Gains, and Losses</b>	<b>18,472</b>	<b>15,957</b>	<b>2,515</b>	<b>12,235</b>	<b>3,722</b>
<b>Total Increase in Net Assets</b>	<b>30,377</b>	<b>24,096</b>	<b>6,281</b>	<b>19,701</b>	<b>4,395</b>
<b>Net Assets</b>					
Net Assets at Beginning of Year	215,695	191,599	24,096	171,898	19,701
<b>Net Assets at End of Year</b>	<b>\$246,072</b>	<b>\$215,695</b>	<b>\$30,377</b>	<b>\$191,599</b>	<b>\$24,096</b>



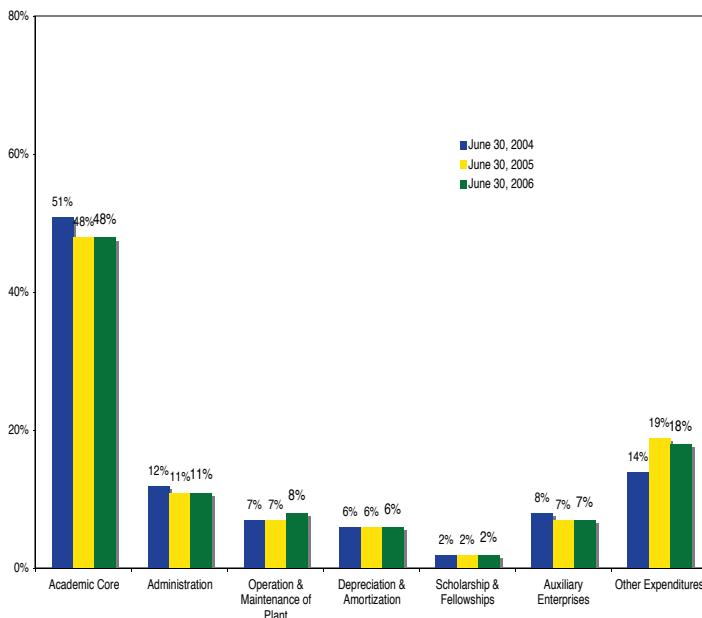
Total operating revenues for fiscal year 2006 were \$1.53 billion. This is an increase of \$20.0 million over fiscal year 2005 operating revenues of \$1.51 billion. The most significant sources of revenue for the University are tuition and fees, grants and contracts, auxiliary services and public service activities at the Worcester Medical School campus. The following chart displays operating revenues by source for the University in fiscal years 2006, 2005 and 2004. Total operating revenues for fiscal year 2005 were \$1.51 billion, \$280.0 million over fiscal year 2004 operating revenues of \$1.29 billion.

**Sources of Operating Revenues in Relation to Total Revenues, Fiscal Year 2004 to Fiscal Year 2006**



In fiscal year 2006, operating expenditures, including depreciation and amortization of \$121.6 million, totaled \$2.06 billion. Of this total, \$1.0 billion or 49% was used to support the academic core activities of the University, including \$316.6 million in research. The chart below displays fiscal year 2006, 2005 and 2004 operating spending.

**Operating Expenses in Relation to Total Expenses, Fiscal Year 2004 to Fiscal Year 2006**



**Public Service Activities**

Public service activities consist primarily of sales and services to third parties that are provided by the UMass Medical School campus under its Commonwealth Medicine programs which provide public health consulting services to state and local agencies. In addition, educational services provided to UMass Memorial are included in public service activities. Included in revenues are Commonwealth Medicine revenues of \$234.3 million and \$213.8 million for the years ended June 30, 2006 and 2005, respectively. Included in expenditures are Commonwealth Medicine expenditures of \$266.6 million and \$176.2 million for the years ended June 30, 2006 and 2005, respectively. Educational services revenues included in public service revenues were \$133.0 million and \$214.1 million for the years ended June 30, 2006, and 2005, respectively. Public service activity expenditures also include payments to the Commonwealth of Massachusetts of \$110.0 million and \$151.3 million for the years ended June 30, 2006 and 2005, respectively, under its agreements with the Executive Office of Health and Human Services.

Public Service activities generated a deficit of 6.3% in fiscal year 2006 with the two primary factors being 1) expenditures related to ramp up of new programs in Commonwealth Medicine which are still in the start up phase and not expected to make a positive contribution to margin until later years; and 2) a larger investment in general and administrative infrastructure in fiscal year 2006.

**State Appropriations**

State appropriations represent approximately 25% of all operating and non-operating revenues. The level of state support is a key factor influencing the University's overall financial condition. Although the state appropriation is unrestricted revenue, nearly 100% of the state appropriation supports payroll and benefits for University employees.

In fiscal year 2006, the net state appropriation increased \$47.9 million over fiscal year 2005 amounts. This increase is attributed to the state funding of collective bargaining agreements, increased state fringe benefit support as well as an increase for general operations. Beginning in late fiscal year 2004, state appropriations to the University increased after three years of cuts. Increased appropriations in fiscal years 2004, 2005 and 2006 funded previously unfunded collective bargaining agreements, new collective bargaining agreements and provided increased dollars in support of the general operations of the University.

Unless otherwise permitted by the Massachusetts Legislature, the University is required to remit tuition revenue received to the Commonwealth. Therefore, the University collects student tuition on behalf of the Commonwealth and remits it to the Commonwealth's General Fund. There is no direct connection between the amount of tuition revenues collected by the University and the amount of state funds appropriated in any given year. During fiscal year 2004, the Amherst campus was

## Management's Discussion and Analysis (continued)

able to retain tuition for out of state students as part of a pilot program authorized by the Commonwealth. This pilot program was extended indefinitely in 2005.

The following details the Commonwealth operating appropriations received by the University for fiscal years ending June 30, 2006, 2005 and 2004 (in thousands):

	June 30, 2006	June 30, 2005	June 30, 2004
Gross Commonwealth Appropriations	\$450,324	\$413,779	\$365,086
<b>Plus: Fringe Benefits*</b>	123,949	114,173	85,348
	<u>\$574,273</u>	<u>\$527,952</u>	<u>\$450,434</u>
Less: Tuition Remitted	(\$47,524)	(\$49,139)	(\$52,280)
<b>Net Commonwealth Support</b>	<u>\$526,749</u>	<u>\$478,813</u>	<u>\$398,154</u>

\*The Commonwealth pays the fringe benefit cost for University employees paid from Commonwealth operating appropriations. Therefore, such fringe benefit support is added to the "State Appropriations" financial statement line item as presented in the above table. The University pays the Commonwealth for the fringe benefit cost of the employees paid from funding sources other than Commonwealth operating appropriations.

### Grant and Contract Revenue

The University's Amherst Campus and Medical School campus in Worcester have been the primary catalyst in the University's research funding growth in recent years. However, each of the other campuses has also experienced growth in sponsored research activity in recent years. The following table details the University's grant and contract revenues (in millions) for the fiscal years ended June 30, 2006, 2005 and 2004:

	June 30, 2006	June 30, 2005	June 30, 2004
Federal Grants and Contracts	\$305,235	\$289,527	\$277,166
State Grants and Contracts	66,045	59,142	53,788
Local Grants and Contracts	3,694	3,266	3,123
Private Grants and Contracts	78,204	72,249	67,673
<b>Total Grants and Contracts</b>	<u>\$453,178</u>	<u>\$424,184</u>	<u>\$401,750</u>

### Discretely Presented Component Units

#### University of Massachusetts Foundation, Inc.

The combined University and Foundation endowment has increased to approximately \$261.0 million at June 30, 2006 up from \$226.4 million at June 30, 2005 and \$197.5 million at June 30, 2004.

The Foundation utilizes the pooled investment concept whereby all invested funds are included in one investment pool, except for investments of certain funds that are otherwise restricted. The Foundation's total investment return for fiscal year 2006, including realized and unrealized activity was a net gain of approximately \$20.3 million. Additions, redemptions and transfers to pooled investment funds are assigned a number of shares based upon their market value at the date of receipt or withdrawal. The actual spending rate for Foundation endowment funds was 4.0% for fiscal year 2006 and 2005.

#### University of Massachusetts Dartmouth Foundation, Inc.

Total marketable securities for the Dartmouth Foundation

were \$18.7 million in fiscal year 2006 up from \$16.3 million in fiscal year 2005 and \$13.7 million at June 30, 2004. The increase was primarily due to new gifts. The Dartmouth

Foundation total investment returns for fiscal year 2006, including realized and unrealized investment activity, was a net gain of approximately \$1.77 million.

### Tuition and Fees

The University strives to provide students with the opportunity to obtain a quality education. Future University enrollments may be affected by a number of factors, including any material increase in tuition and other mandatory charges and any material decrease in Commonwealth appropriations.

As previously noted, state appropriation reductions beginning in the fall of 2001 resulted in program cuts, layoffs, reductions in staff and student charge increases reversing earlier trends of flat annual student charge increases between 1996 and 2001. With stabilizing and increasing state appropriations beginning in fiscal year 2004, the University approved student charge rates that reflect a policy aimed at limiting increases in total mandatory student charges (tuition and mandatory fees) to no more than inflation.

### Enrollment

Except for the Medical School, which admits only Massachusetts residents (as required by Massachusetts Session Laws, 1987, Chapter 199, Section 99); admission to the University is open to residents and non-residents of the Commonwealth on a competitive basis. In the fall 2005 semester, Massachusetts residents accounted for approximately 86% and 58% of the University's total undergraduate and graduate fall enrollment, respectively. Total enrollment in the fall of 2005 was 47,915 FTE (57,178 headcount students). In the fall of 2004 semester, Massachusetts residents accounted for approximately 87% and 58% of the University's total undergraduate and graduate enrollment, respectively.

Enrollments at the University have shown modest increases overall since 1997 (44,842 FTE). The enrollment changes are consistent with the University's efforts to manage housing and class enrollment. In 2006, freshman applications were up at the Amherst campus 13%, up at Boston 9%, up at Dartmouth 6% and flat at the Lowell campus. Transfer applications were up at the Dartmouth campus 6% and at the Lowell campus 2%, while the Amherst and Boston campuses had declines in transfer applications of 2%.

The average Scholastic Aptitude Test ("SAT") scores for entering University freshmen ranged from 1064 to 1143 at the University's campuses in the fall of 2005. The 2005 national average SAT composite score was 1028.

### Degrees Awarded

The University awards four levels of degrees, including associate, bachelors, masters and doctoral/professional degrees. A total of 11,613 degrees were awarded in 2004-2005: 111 associate degrees, 8,269 bachelor degrees, 2,705 master degrees, and 424 doctoral degrees and 104 MD's.

### Bonds Payable

As of June 30, 2006, the University had outstanding bonds of approximately \$941.9 million representing approximately \$648.2 million of University of Massachusetts Building Authority bonds (the "Building Authority Bonds"), and approximately \$85.0 million of University of Massachusetts bonds financed through the Massachusetts Health and Educational Facilities Authority (the "UMass HEFA Bonds"). Bonds payable is the University's largest liability at June 30, 2006 and 2005. Projects initially financed by the Building Authority Bonds consist primarily of dormitories, apartments, dining commons, athletic and multi purpose facilities and parking garages at the University campuses. The proceeds from the UMass HEFA Bonds were used to create a revolving loan program and to fund the construction of two new campus centers at the Boston and Lowell campuses (funded jointly with the Commonwealth).

At June 30, 2006, WCCC had outstanding bonds of approximately \$208.7 million representing University of Massachusetts Worcester City Campus Corporation MHEFA bonds (the "WCCC Bonds"). In April 2005, WCCC issued \$99.3 million of MHEFA Revenue Bonds (the "WCCC D Bonds"). WCCC has deposited the proceeds to an irrevocable trust fund to provide for payment of the MHEFA Revenue Bonds, WCCC Issue (University of Massachusetts Project) Series A (the "WCCC A Bonds" or the "refunded bonds"). The WCCC D bonds bear interest at various fixed rates ranging from 3.00% to 5.25% per year and mature October 1, 2029. The WCCC D Bonds were issued at a premium of \$4.1 million. The WCCC D Bonds represent a transfer obligation of the University whereby, subject to the terms of the financing agreement, the University will be notified upon WCCC's failure to make any payments required by the trust agreement and the University will promptly transfer any amounts unpaid and due by WCCC under such agreement. Assets held in the refunding trust fund had an aggregate market value of approximately \$98.0 million and \$102.2 million at June 30, 2006 and 2005, respectively. The outstanding amount of the refunded bonds totaled approximately \$93.1 million and \$94.9 million at June 30, 2006 and 2005, respectively. The refunding of the bonds resulted in a difference between the reacquisition price and the net carrying amount of the old debt of approximately \$8.9 million. This difference, reported in the accompanying financial statements as a reduction in bonds payable, is being charged to operations over the life of new bonds using the straight-line method. As a result of the defeasance, WCCC will reduce its aggregate debt service payments by approximately \$4.0 million and achieve an economic gain, (the difference between the present value of the old and new debt service payments), of \$3.9 million. The outstanding principal balance on the WCCC Series D Bonds at June 30, 2006 and 2005 is \$99.3 million, respectively. The WCCC A Bonds were issued by WCCC, in March 2000, for \$100.0 million. The proceeds from this issuance were used to fund the construction of the Lazare Research Building on the Worcester Medical School campus of the University. The WCCC A Bonds and the irrevocable trust have been derecognized by WCCC.

Aggregate principal payments on the WCCC B Bonds, WCCC C Bonds and WCCC D Bonds for the years ended June 30 are; 2007 - \$3.4 million, 2008 - \$4.9 million, 2009 - \$5.0 million, 2010 - \$5.3 million, 2011 - \$5.5 million, thereafter \$190.3 million. At June 30, 2006 and 2005, the fair value of the WCCC B Bonds, WCCC C Bonds and WCCC D Bonds is approximately \$222.0 million and \$245.0 million, respectively.

In fiscal year 2006 the Building Authority issued Series 2006-1 bonds. The bonds were issued in the amount of \$243.8 million and the proceeds were to be used for various construction and renovation projects for the University at its Lowell campus and to partially advance refund the 2003-1 Series bonds, the 2004-1 Series bonds and the 2004-A Series bonds. As of June 30, 2006 the bonds payable amount was \$243.8 million.

In fiscal year 2006 the Building Authority issued Series 2006-2 taxable bonds. The bonds were issued in the amount of \$21.2 million and the proceeds were used to advance refund the UMBA Refunding Bonds, Series 1995-B. As of June 30, 2006 the bonds payable amount was \$21.2 million.

In fiscal year 2006, the Building Authority refunded the ULBA Fifth Series A bonds and the UMBA Refunding Bonds, Series 1995-B and partially refunded the following bond issues: the 2000-1 Series bonds, the 2000-2 Series bonds, the 2000-A Series bonds, the 2003-1 Series Bonds, the 2004-1 Series Bonds and the 2004-A Series bonds. Accordingly, the Building Authority deposited into trust accounts funds sufficient to provide for all future debt service payments on the refunded bonds. Assets held in the trust accounts had an aggregate market value of approximately \$459.7 million as of June 30, 2006. The unpaid principal amount of the refunded bonds totaled approximately \$419.5 million as of June 30, 2006.

In August 2005, the Building Authority issued its Series 2005-2 bonds in the amount of \$212.6 million. The proceeds refunded the Fifth Series A bonds and partially refunded the Series 2000-1, Series 2000-2, Series 2000-A, Series 2003-1, Series 2004-1 and the Series 2004-A bonds. Total principal refunded by the issue was \$210.2 million. As of June 30, 2006 the bonds payable amount was \$208.1 million.

In connection with the Building Authority's bond refunding undertaken in fiscal year 2006 noted above, the Building Authority recorded a difference between the reacquisition price and the net carrying amount of the old debt of approximately \$42.6 million. This difference is being reported as a reduction from bonds payable and will be amortized as an increase in amortization expense over the original life of the refunded bonds. The refundings reduced the University's debt service payments in future years by approximately \$33.6 million and resulted in an economic gain (the present value of savings) of approximately \$21.6 million.



## Management's Discussion and Analysis (continued)

During fiscal year 2004, the Building Authority refunded the following bond issues: Series 1986-B, 1989 Fourth Series-B, Series 1991-A, 1995 Fifth Series-A (partial refunding), Series 1995-A, Series 2000-1 (partial refunding). Accordingly, the Building Authority deposited into trust accounts sufficient funds to provide for all future debt service payments on the refunded bonds. Assets held in the trust accounts had an aggregate market value of approximately \$8.4 million and \$10.9 million at June 30, 2006 and 2005, respectively. The outstanding amount of the refunded bonds totaled approximately \$8.2 million and \$10.5 million at June 30, 2006 and 2005, respectively. The refunding of the bonds resulted in a difference between the reacquisition price and the net carrying amount of the old debt of approximately \$2.8 million. This difference, reported in the accompanying financial statements as a reduction in bonds payable, is being charged to operations over the life of new bonds using the straight-line method. As a result of the defeasance, the Authority will reduce its aggregate debt service payments by approximately \$2.0 million and achieve an economic gain, (the difference between the present value of the old and new debt service payments), of \$0.8 million.

In prior years, the Building Authority refunded all bonds outstanding issued by the Building Authority prior to May 1, 1984. Accordingly, the Building Authority deposited into trust accounts sufficient funds to provide for all future debt service payments on the refunded bonds. Assets held in trust accounts had an aggregate market value of approximately \$6.9 million and \$8.1 million at June 30, 2006 and 2005, respectively. The outstanding amount of the refunded bonds at June 30, 2006 and 2005 total approximately \$7.7 million and \$8.9 million, respectively.

### Capitalized Lease Obligations

At June 30, 2006, the University had capital lease obligations with remaining principal payments of approximately \$66.6 million this is a decrease from a fiscal year 2005 total of \$78.0 million. The capital leases primarily consist of telecommunications, software and co-generation system, and campus energy conversions. In early fiscal year 2005, the University entered into a Master Lease Financing Agreement in the amount of \$42.8 million to acquire and install equipment to accomplish the energy and water conservation measures under the Energy Service Agreement in various facilities throughout the Amherst campus.

### University Rating

The current credit ratings for the University of Massachusetts are "A+" and "A" as rated by Fitch IBCA and Standard & Poor's rating agencies, respectively. The highest achievable rating is "AAA" based upon the scale used in the University's rating. The University's rating is one tier below the "AA-" rating of the Commonwealth of Massachusetts.

### Limitations on Additional Indebtedness

The University may, without limit, issue additional indebtedness or request the Building Authority to issue additional indebtedness on behalf of the University so long as such indebtedness is payable from all available funds of the University. However, the University may request that

the Building Authority issue additional indebtedness not payable from all available funds of the University provided that the additional indebtedness is secured by certain pledged revenues and the maximum annual debt service on all revenue indebtedness does not exceed 10% of the University's available revenues.

The Building Authority is authorized by its enabling act to issue bonds with the unconditional guarantee of the Commonwealth of Massachusetts for the punctual payment of the interest and principal payments on the guaranteed bonds. The full faith and credit of the Commonwealth are pledged for the performance of its guarantee. The enabling act, as amended, presently limits to \$200 million the total principal amount of notes and bonds of the Building Authority that may be Commonwealth guaranteed and outstanding at any one time.

### Capital Plan

In August of 2006, the University Trustees approved a five-year (fiscal years 2007-2011), approximately \$2.14 billion update to its capital plan to be financed from all available funding sources, including projects already in process with prior approval of the University Trustees, as well as new projects. The University generally has funded its capital plans through a combination of moneys received from University operations, bonds issued by the Building Authority, Massachusetts Health and Educational Facilities Authority financing, Commonwealth appropriations, and private fund raising. The execution of the University's capital plan is contingent upon sufficient funding from the Commonwealth.

The University's five-year capital plan for fiscal years 2007-2011 includes both new projects and major projects that were previously approved by the University Trustees in prior year capital plans. The major projects in the 2007-2011 capital plan and their estimated total project cost include (a) at the Amherst campus: deferred maintenance and new construction on the central heating plant for approximately \$118.7 million, the construction of new undergraduate housing for approximately \$92.7 million, the construction of an integrated science building (phase 1A) to provide modern teaching laboratory facilities for chemistry and life sciences for approximately \$92.7 million, student housing renovation and repair projects of \$22.5 million, the construction of an art building to provide essential replacement space for a number of art programs currently housed in obsolete space for approximately \$23 million, repairs to the University Campus Center for approximately \$7.8 million, renovations to Skinner Hall in order to strengthen the Nursing Program for \$16.3 million, an energy conservation project for approximately \$44.8 million, replacement of the central campus steamlines for \$6.7 million, construction of a new student recreation center for \$52 million, design and construction of a 500-seat auditorium for \$11 million, renovations to the interior space of the DuBois Library for \$13 million; (b) at the Boston campus: major interim stabilization work to ensure the safety of the campus substructure for \$25 million is the most pressing capital concern for the campus, the construction of a new academic classroom building for \$42.0 million, calf pasture pump station preservation project for approximately \$22.2 million, the construction

## Management's Discussion and Analysis (continued)

of an environmental science and technology building for approximately \$42 million, improvements campus-wide to the fire protection and safety systems for approximately \$20.6 million, restoration or replacement of the building envelopes for the majority of campus buildings with an estimated cost of \$88.3 million, (c) at the Dartmouth campus: in order to accommodate a growing enrollment and to deal with deteriorating housing units the campus plans to expend \$150.8 million for the renovation and replacement of student housing, the construction of an addition to the campus center for approximately \$15.8 million, the construction of a visitor/admissions/security building for approximately \$15.0 million and the construction of a multipurpose field house for approximately \$19.7 million, library renovations to address deferred maintenance and to improve services for approximately \$10.5 million, an energy conservation project for \$14 million, various infrastructure repair projects totaling \$33.8 million over five years; (d) at the Lowell campus: academic, library and administrative technology equipment for approximately \$30.0 million, the construction of a new parking garage at UML North for approximately \$23.0 million, the construction of a nanomanufacturing/biotechnology center for approximately \$80.0 million, the renovation of Coburn Hall with modern systems and accessible space for \$8.2 million, roof replacement and improvement of the building systems at the Wannalancit Mills for \$15.5 million, the conversion of Fox Hall from mixed-use space to all residential units for \$7.0 million, upgrading of laboratory space for approximately \$20.0 million, the phased building rehabilitation of Mahoney Hall to include internal improvements, roof repair, and auditorium repairs for \$12.9 million; and (e) at the Worcester campus: construction of a medical education and clinical practice building for \$90.0 million, the power plant expansion (phase II) for approximately \$30.5 million and HVAC upgrades and replacements for approximately \$30.0 million, the construction of a new building to support vaccine production and product warehousing for \$35.0 million, the construction of a mixed-use building for office space and research and development work for \$50.0 million, addressing deferred maintenance priorities for \$35.0 million.

In 1996, the University initiated a more active program to address deferred maintenance needs at its campuses. As a result, the University has made investments to repair and renovate facilities at the University's campuses from a combination of University sources and direct Commonwealth support. Addressing deferred maintenance remains a priority within the University's capital plan. The University's 2007-2011 capital plan includes approximately \$435.3 million of deferred maintenance projects. During fiscal year 2006, the University expended approximately \$159.0 million on plant operations and maintenance activities.

### Factors Impacting Future Periods

There are a number of issues of University-wide importance that directly impact the financial operations of the University. Many of these issues such as improving academic quality and financial performance, investing in capital assets, expanding fundraising capacity, and measuring performance are ongoing activities of

continuous importance to the Board of Trustees and University leadership that impact the financial and budget planning each year.

The level of state support, the impact of collectively bargained wage increases, and the ability of student fee supported activities to meet inflationary pressures determine the limits of program expansion, new initiatives and strategic investments, as well as the ability of the University to meet its core mission and ongoing operational needs.

The ability to address priority capital needs and requirements for deferred maintenance, technology, repairs and adaptation, and selected new construction projects may be the biggest challenge facing the University in years to come. The commitment of operating funds for servicing debt and/or funding capital expenditures has an ongoing impact on the overall financial picture of the University.

On October 2, 2006, the University of Massachusetts Medical School's (UMMS) Craig C. Mello, PhD, and his colleague Andrew Fire, PhD, of Stanford University, were awarded the 2006 Nobel Prize in Physiology or Medicine for their discoveries related to ribonucleic acid (RNA). The findings of Drs. Mello and Fire demonstrated that a particular form of RNA, the cellular material responsible for the transmission of genetic information, can silence (RNAi process) targeted genes. Due to these findings, companies worldwide at the forefront of pharmaceutical innovation have purchased licenses to RNAi technology, co-owned by the UMMS, to aid in their development of treatments for disease. In addition, UMMS researchers are using RNAi technology to speed investigation into a variety of diseases. The work of Dr. Mello has not only produced revenue streams for the University and aided the work of his fellow researchers, but it has also enhanced the overall view of the University of Massachusetts. This recognition highlights the strength of UMMS research and can enhance the overall reputation of the entire University.

On July 19, 2006, the Boston campus closed the interior parking facilities that were part of the substructure of the original campus buildings constructed in 1974. While regular inspections and reports had indicated that the facility was structurally sound, the campus determined that the loss of parking spaces, the continual rerouting of pedestrian and vehicular traffic, and the associated costs no longer made it a viable parking option.

The campus has worked to respond to the deterioration of the substructure since the late 1980's. Over the last year in particular, the deterioration has outpaced those efforts and the available funding. A recent study by the engineering firm Simpson, Gumpertz and Heger indicates that rehabilitating the substructure would cost in excess of \$160.0 million and would not be feasible. Instead a stabilization project, currently estimated at \$25.0 million, has been proposed for the long term preservation of the structural foundation. The financial impact of the closure and associated costs of preparing alternate parking options are not reflected in the FY 2006 financial results.

## Financial Statements

University of Massachusetts  
Statement of Net Assets as of June 30, 2006 and 2005  
(in thousands of dollars)

	University Related Organizations		University Related Organizations	
	University June 30, 2006	June 30, 2006	University June 30, 2005	June 30, 2005
<b>ASSETS</b>				
<b>Current Assets</b>				
Cash and Cash Equivalents	\$48,723		\$56,859	
Cash Held By State Treasurer	8,797		28,216	
Accounts, Grants and Loans Receivable	186,213	\$22	172,294	\$92
Pledges Receivable	1,818	2,965	926	2,624
Short Term Investments	137,101		224,991	
Inventories	17,153		11,682	
Accounts Receivable UMass Memorial	115,363		16,434	
Due From Related Organizations	388	1,607	1,048	2,971
Other Assets	12,739		14,289	29
<b>Total Current Assets</b>	<b>528,295</b>	<b>4,594</b>	<b>526,739</b>	<b>5,716</b>
<b>Noncurrent Assets</b>				
Cash and Cash Equivalents		2,836		3,219
Cash Held By State Treasurer	10,875		5,482	
Cash and Securities Held By Trustees	448,672		544,678	
Accounts, Grants and Loans Receivable	34,025		37,004	
Pledges Receivable	5,136	11,837	2,389	14,615
Investments	367,716	234,809	295,436	200,985
Other Assets	10,761	43	6,999	41
Investment In Plant Net of Accumulated Depreciation	1,499,607	1,003	1,330,410	1,006
<b>Total Noncurrent Assets</b>	<b>2,376,792</b>	<b>250,528</b>	<b>2,222,398</b>	<b>219,866</b>
<b>Total Assets</b>	<b>\$2,905,087</b>	<b>\$255,122</b>	<b>\$2,749,137</b>	<b>\$225,582</b>
<b>LIABILITIES</b>				
<b>Current Liabilities</b>				
Accounts Payable	\$115,463	\$1,754	\$67,338	\$184
Accrued Salaries and Wages	50,754		81,436	
Accrued Liability for Compensated Absences	59,910		55,825	
Accrued Liability for Workers' Compensation	3,427		2,430	
Arbitrage Rebate Payable	293		90	
Accrued Interest Payable	9,120		9,389	15
Bonds Payable	25,130		21,106	
Capital Lease Obligations	12,238		12,184	
Accounts Payable UMass Memorial	8,017		4,020	
Due To Related Organizations	1,607	388	2,971	1,048
Deferred Revenues and Credits	43,088	3,994	36,166	6,052
Advances and Deposits	5,320		5,127	
Other Liabilities	172,862		85,690	
<b>Total Current Liabilities</b>	<b>507,229</b>	<b>6,136</b>	<b>383,772</b>	<b>7,299</b>
<b>Noncurrent Liabilities</b>				
Accrued Liability for Compensated Absences	22,230		25,163	
Accrued Liability for Workers' Compensation	12,737		11,224	
Arbitrage Rebate Payable	467		4,121	
Bonds Payable	916,751		925,048	
Capital Lease Obligations	54,379		65,825	
Deferred Revenues and Credits	12,296		12,019	
Advances and Deposits	28,650		29,771	
Other Liabilities	570	2,914	665	2,588
<b>Total Noncurrent Liabilities</b>	<b>1,048,080</b>	<b>2,914</b>	<b>1,073,836</b>	<b>2,588</b>
<b>Total Liabilities</b>	<b>\$1,555,309</b>	<b>\$9,050</b>	<b>\$1,457,608</b>	<b>\$9,887</b>
<b>Net Assets:</b>				
Invested in Capital Assets Net of Related Debt Restricted	\$804,053	\$1,003	\$739,312	\$597
Nonexpendable	16,136	178,692	15,559	161,178
Expendable	146,903	61,091	160,116	49,334
Unrestricted	382,686	5,286	376,542	4,586
<b>Total Net Assets</b>	<b>\$1,349,778</b>	<b>\$246,072</b>	<b>\$1,291,529</b>	<b>\$215,695</b>

The accompanying notes are an integral part of the financial statements.

University of Massachusetts  
 Statements of Revenues, Expenses, and Changes in Net Assets  
 for the Years Ended June 30, 2006 and 2005  
 (in thousands of dollars)

	University June 30, 2006	University Related Organizations June 30, 2006	University June 30, 2005	University Related Organizations June 30, 2005
<b>REVENUES</b>				
<b>Operating Revenues</b>				
Tuition and Fees (net of scholarship allowances of \$73,467 at June 30, 2006 and \$66,887 at June 30, 2005)	\$406,705		\$388,385	
Federal Grants and Contracts	305,235		289,527	
State Grants and Contracts	66,045		59,142	
Local Grants and Contracts	3,694		3,266	
Private Grants and Contracts	78,204		72,249	
Sales & Service, Educational	17,780		17,284	
Auxiliary Enterprises	195,352		172,745	
Other Operating Revenues:				
Sales & Service, Independent Operations	78,899		66,346	
Sales & Service, Public Service Activities	333,997		399,958	
Other	44,142		41,125	
<b>Total Operating Revenues</b>	<b>1,530,053</b>		<b>1,510,027</b>	
<b>EXPENSES</b>				
<b>Operating Expenses</b>				
<b>Educational and General</b>				
Instruction	498,951		452,409	
Research	316,606		301,422	
Public Service	74,146	\$12,853	63,327	\$10,891
Academic Support	111,925		103,803	
Student Services	79,174		75,724	
Institutional Support	151,559		131,470	
Operation and Maintenance of Plant	159,024		134,246	
Depreciation and Amortization	121,567	16	118,649	16
Scholarships and Fellowships	30,945	4,070	29,832	2,784
<b>Auxiliary Enterprises</b>	<b>149,963</b>		<b>151,113</b>	
<b>Other Expenditures</b>				
Independent Operations	46,546		37,329	
Public Service Activities	319,542		327,416	
<b>Total Operating Expenses</b>	<b>2,059,948</b>	<b>16,939</b>	<b>1,926,740</b>	<b>13,691</b>
<b>Operating Loss</b>	<b>(529,895)</b>	<b>(16,939)</b>	<b>(416,713)</b>	<b>(13,691)</b>
<b>NONOPERATING REVENUES/(EXPENSES)</b>				
Federal Appropriations	7,044		7,016	
State Appropriations	526,749		478,813	
Gifts	25,646	11,238	25,289	9,323
Investment Income	42,981	11,871	35,072	8,477
Endowment Income	1,438	5,743	1,661	4,068
Interest on Indebtedness	(39,331)	(8)	(37,077)	(38)
Other Nonoperating Income	8,967		10,721	
<b>Net Nonoperating Revenues</b>	<b>573,494</b>	<b>28,844</b>	<b>521,495</b>	<b>21,830</b>
<b>Income Before Other Revenues, Expenses, Gains, and Losses</b>	<b>43,599</b>	<b>11,905</b>	<b>104,782</b>	<b>8,139</b>
Capital Appropriations	27,147		27,417	
Additions to Permanent Endowments		14,401		16,312
University Related Organization Transactions	593	(593)		
Disposal of Plant Facilities	(11,276)		(11,990)	
Other Additions/Deductions	27,127	4,664	2,690	(355)
<b>Total Other Revenues, Expenses, Gains, and Losses</b>	<b>43,591</b>	<b>18,472</b>	<b>18,117</b>	<b>15,957</b>
<b>Total Increase in Net Assets</b>	<b>87,190</b>	<b>30,377</b>	<b>122,899</b>	<b>24,096</b>
<b>NET ASSETS</b>				
Net Assets at Beginning of Year	1,291,529	215,695	1,168,630	191,599
<b>Net Assets at End of Year</b>	<b>\$1,378,719</b>	<b>\$246,072</b>	<b>\$1,291,529</b>	<b>\$215,695</b>

The accompanying notes are an integral part of the financial statements.



University of Massachusetts  
 Statements of Cash Flows for the Years Ended June 30, 2006 and 2005  
 (in thousands of dollars)

	University June 30, 2006	University June 30, 2005
<b>CASH FLOWS FROM OPERATING ACTIVITIES</b>		
Tuition and Fees	\$407,922	\$396,713
Grants and Contracts	511,044	458,655
Payments to Suppliers	(640,956)	(482,923)
Payments to Employees	(1,017,785)	(933,833)
Payments for Benefits	(224,358)	(207,181)
Payments for Scholarships and Fellowships	(30,295)	(29,206)
Loans Issued to Students and Employees	(9,172)	(5,305)
Collections of Loans to Students and Employees	8,074	7,071
Auxiliary Enterprises Receipts	240,251	207,597
Sales and Service, Educational	21,835	17,596
Sales & Service, Independent Operations	103,965	74,365
Sales & Service, Public Service Activities	217,702	252,607
<b>Net Cash Used by Operating Activities</b>	<b>(411,773)</b>	<b>(243,844)</b>
<b>CASH FLOWS FROM NONCAPITAL FINANCING ACTIVITIES</b>		
State Appropriations	582,647	534,813
Tuition Remitted to the State	(47,524)	(49,139)
Federal Appropriations	7,044	7,016
Gifts and Grants for Other Than Capital Purposes	24,849	18,702
Private Gifts for Endowment Purposes	168	1,264
Student Organization Agency Transactions	(448)	249
<b>Net Cash Provided by Noncapital Financing Activities</b>	<b>566,736</b>	<b>512,905</b>
<b>CASH FLOWS FROM CAPITAL FINANCING ACTIVITIES</b>		
Proceeds from Capital Debt	22,114	68,880
Bond Issuance Costs Paid	(4,107)	(302)
Capital Appropriations	26,591	26,951
Capital Grants and Contracts	(3,855)	(2,827)
Purchases of Capital Assets and Construction	(162,906)	(165,483)
Principal Paid on Capital Debt and Leases	(37,779)	(53,510)
Interest Paid on Capital Debt and Leases	(42,024)	(36,196)
Use of Debt Proceeds on Deposit with Trustees	(110,604)	(103,234)
<b>Net Cash Provided Used in Capital Financing Activities</b>	<b>(312,570)</b>	<b>(265,721)</b>
<b>CASH FLOWS FROM INVESTING ACTIVITIES</b>		
Proceeds from Sales and Maturities of Investments	935,489	1,100,889
Interest on Investments	18,622	10,658
Purchase of Investments	(914,672)	(1,197,717)
<b>Net Cash Provided by/(Used in) Investing Activities</b>	<b>39,439</b>	<b>(86,170)</b>
<b>NET DECREASE IN CASH AND CASH EQUIVALENTS</b>	<b>(118,168)</b>	<b>(82,830)</b>
<b>Cash and Cash Equivalents - Beginning of the Year</b>	<b>635,235</b>	<b>718,065</b>
<b>Cash and Cash Equivalents - End of Year</b>	<b>\$517,067</b>	<b>\$635,235</b>
<b>RECONCILIATION OF OPERATING LOSS TO NET CASH USED BY OPERATING ACTIVITIES</b>		
Operating Loss	(\$529,895)	(\$416,713)
<i>Adjustments to reconcile loss to net cash used by Operating Activities:</i>		
Depreciation and Amortization Expense	121,567	118,649
<i>Changes in Assets and Liabilities:</i>		
Receivables, net	(14,579)	(5,323)
Inventories	(5,471)	88
Due to/from Related Organizations	(704)	(748)
Accounts Receivable/Payable UMass Memorial	(94,932)	9,123
Other Assets	(2,212)	(1,690)
Accounts Payable	48,125	(820)
Accrued Liabilities	(27,020)	5,289
Deferred Revenue	7,199	2,968
Advances and Deposits	(928)	(237)
Other Liabilities	87,077	45,570
<b>Net Cash Used by Operating Activities</b>	<b>(\$411,773)</b>	<b>(\$243,844)</b>
<b>NONCASH CAPITAL FINANCING ACTIVITY</b>		
Assets acquired through capital leases	\$1,939	\$1,681

The accompanying notes are an integral part of the financial statements.

## Notes to Financial Statements

# Notes to Financial Statements

## June 30, 2006

### 1. SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES

#### ORGANIZATION

The financial statements herein present the financial position, results of operations, changes in net assets, and cash flows of the University of Massachusetts (University), a federal land grant institution and an agency of the Commonwealth of Massachusetts (Commonwealth) and its component units. The University blends the tradition of providing access to quality education with that of delivering pioneering research applied to everyday problems. At the University, teaching and learning are integrated with research and public service. The financial statements of the University include the Amherst, Boston, Dartmouth, Lowell and Worcester Medical School campuses, and the Central Administration office of the University, Worcester City Campus Corporation (WCCC), the University of Massachusetts Amherst Foundation (UMass Amherst Foundation), as well as the University of Massachusetts Building Authority (Building Authority).

The Building Authority is a public instrumentality of the Commonwealth created by Chapter 773 of the Acts of 1960, whose purpose is to provide dormitories, dining commons, and other buildings and structures for use by the University. WCCC, of which the Worcester Foundation for Biomedical Research, Inc. (WFBR) is a subsidiary, is a tax exempt organization founded to foster and promote the growth, progress and general welfare of the University. The UMass Amherst Foundation was established in 2003 as a tax exempt organization founded to foster and promote the growth, progress, and general welfare of the University. These component units are included in the financial statements of the University because of the significance and exclusivity of their financial relationships with the University.

The University Related Organizations' column in the financial statements includes the financial information of the University's discretely presented component units. The University of Massachusetts Foundation, Inc. (Foundation) and the University of Massachusetts Dartmouth Foundation, Inc. are related tax exempt organizations founded to foster and promote the growth, progress and general welfare of the University, and are reported in a separate column to emphasize that they are Massachusetts not-for-profit organizations legally separate from the University. These component units are included as part of the University's financial statements because of the nature and the significance of their financial relationship with the University. The financial statement presentation of the discretely presented component units has been reclassified to conform to the University presentation.

The University is a component unit of the Commonwealth of Massachusetts. The financial balances and activities included in these financial statements are, therefore, also included in the Commonwealth's comprehensive annual financial report.

Effective March 31, 1998, the former University of Massachusetts Clinical Services Division (which was com-

prised of the University of Massachusetts Medical School Teaching Hospital Trust Fund, University of Massachusetts Medical School - Group Practice Plan, and the University of Massachusetts Medical Center Self Insurance Trust), was merged into a separate Massachusetts not-for-profit corporation named UMass Memorial Health Care, Inc. (UMass Memorial). UMass Memorial is not a component of these financial statements.

#### BASIS OF PRESENTATION

The accompanying financial statements have been prepared in accordance with accounting principles generally accepted in the United States of America as prescribed by the Governmental Accounting Standards Board (GASB) using the economic resources measurement focus and the accrual basis of accounting. These statements are reported on a combined basis, and all intra-University transactions are eliminated. In accordance with GASB Statement No. 20, the University follows all applicable GASB pronouncements. In addition, the University applies all applicable Financial Accounting Standards Board ("FASB") pronouncements issued on or before November 30, 1989, unless those pronouncements conflict with or contradict GASB pronouncements. The University has elected not to apply FASB pronouncements issued after November 30, 1989.

Operating revenues consist of tuition and fees, grants and contracts, sales and services of educational activities (including royalties from licensing agreements) and auxiliary enterprise revenues. Operating expenses include salaries, wages, fringe benefits, utilities, subcontracts on grants and contracts, supplies and services, and depreciation and amortization. All other revenues and expenses of the University are reported as non-operating revenues and expenses including state general appropriations, non-capital gifts, short term investment income, endowment income used in operations, interest expense, and capital additions and deductions. Capital items represent all other changes in long term plant and endowment net assets. Revenues are recognized when earned and expenses are recognized when incurred with the exception of revenue earned on certain public service activities (see Note 5). Restricted grant revenue is recognized only when all eligibility requirements have been met, that is to the extent grant revenues are expended or in the case of fixed price contracts, when the contract terms are met or completed. Contributions, including unconditional promises to give (pledges) for non-endowment or non-capital purposes, are recognized as revenues in the period received. Promises of additions to non-expendable endowments are not recognized until cash or other assets are received. Conditional promises to give are not recognized until they become unconditional, that is when the conditions on which they depend are substantially met. The University applies restricted net assets first when an expense or outlay is incurred for purposes for which both restricted and unrestricted net assets are available.

The preparation of financial statements in accordance with accounting principles generally accepted in the United States of America requires management to make estimates and judgments that affect the reported amounts of assets and liabilities, and disclosures of contingencies at the date of the financial statements and revenues and expenditures recognized during the reporting period. Major estimates include the accrual for employee compensated absences, the

accrual for workers' compensation liability, the allowance for doubtful accounts and depreciation expense. Actual results could differ from those estimates.

The University reports its financial statements as a "business-type activity" ("BTA") under GASB Statement No. 35, Basic Financial Statements - and Management's Discussion and Analysis - for Public Colleges and Universities (GASB 35). BTAs are defined as those that are financed in whole or in part by fees charged to external parties for goods or services.

In order to ensure observance of limitations and restrictions placed on the use of available resources, the accounts of the University are maintained internally in accordance with the principles of "fund accounting". This is the procedure by which resources for various purposes are maintained in separate funds in accordance with the activities or objectives specified. GASB 35 requires that external financial statements to be reported on a consolidated basis and establishes standards for external financial reporting by public colleges and universities that resources be classified into the following net asset categories:

- **Invested in capital assets, net of related debt:** Capital assets, at historical cost, or fair market value on date of gift, net of accumulated depreciation and outstanding principal balances of debt attributable to the acquisition, construction or improvement of those assets.
- **Restricted Nonexpendable:** Net assets subject to externally imposed stipulations that they be maintained permanently by the University.
- **Restricted Expendable:** Net assets whose use by the University is subject to externally imposed stipulations. Such assets include restricted grants and contracts, the accumulated net gains/losses on true endowment funds, as well as restricted funds loaned to students, restricted gifts and endowment income, and other similar restricted funds.
- **Unrestricted:** Net assets that are not subject to externally imposed stipulations. Substantially all unrestricted net assets are designated to support academic, research, auxiliary enterprises or unrestricted funds functioning as endowments, or are committed to capital construction projects.

Revenues are reported net of discounts and allowances. As a result, student financial aid expenditures are reported as an allowance against tuition and fees revenue while stipends and other payments made directly to students are recorded as financial aid expense on the statement of revenues, expenses, and other changes to net assets, and included in supplies and services on the statement of cash flows.

#### NEW ACCOUNTING PRONOUNCEMENTS

In November 2003, the GASB issued Statement No. 42, Accounting and Reporting for Impairment of Capital Assets and for Insurance Recoveries, effective for the University's fiscal year beginning July 1, 2005. Statement No. 42 requires an evaluation of prominent events or changes in circumstances to determine whether an impairment loss should be recorded and that any insurance recoveries be

netted with the impairment loss. The adoption of GASB Statement No. 42 did not have an effect on the financial statements in fiscal year 2006.

In August 2004, the GASB issued Statement No. 45, Accounting and Financial Reporting by Employers for Postemployment Benefits Other Than Pensions, effective for the University's fiscal year beginning July 1, 2007. Statement No. 45 requires accrual-based measurement, recognition and disclosure of other postemployment benefits (OPEB) expense, such as retiree medical and dental costs, over the employees' years of service, along with the related liability, net of any plan assets. The University is currently evaluating the effect that Statement No. 45 will have on its financial statements.

In June 2005, the GASB issued Statement No. 47, Accounting for Termination Benefits, effective for the University's fiscal year beginning July 1, 2005. Statement No. 47 requires that a liability be recorded in the financials for the amount of termination benefits to be paid by the University. The adoption of GASB Statement No. 47 did not have an effect on the financial statements in fiscal year 2006.

#### CLASSIFICATION OF ASSETS AND LIABILITIES

The University presents current and non-current assets and liabilities in the statement of net assets. Assets and liabilities are considered current if they mature in one year or less, or are expected to be received, used, or paid within one year or less. Investments with a maturity of greater than one year and balances that have externally imposed restrictions as to use are considered non-current. Cash held by state treasurer includes balances with restrictions as to use and balances that may be rolled forward for use toward the restricted purposes in future years, and such balances are classified as non-current. Cash held by trustees is presented based upon its expected period of use and to the restrictions imposed on the balances by external parties.

#### FAIR VALUE OF FINANCIAL INSTRUMENTS

Fair value approximates carrying value for cash and cash equivalents, investments, notes and accounts receivable, accounts payable, accrued expenses and interest, and deposits.

#### CASH AND CASH EQUIVALENTS AND INVESTMENTS

Cash and cash equivalents consist primarily of petty cash, demand deposit accounts, money market accounts, and savings accounts, with a maturity of three months or less when purchased.

Investments are carried at fair value. Short-term investments consist of deposits with original maturities of less than one year and are available for current use. Securities received as a gift are recorded at estimated fair value at the date of the gift. The University holds certain investment securities in publicly traded and privately held companies as the result of agreements entered into by the University's Commercial Ventures and Intellectual Property (CVIP) program. Securities received or purchased as the result of these agreements are recorded at fair value, where readily determinable by quoted market prices, or if fair value is not known or practicable to estimate, the investment is carried at cost which is deemed to be the estimated fair value.



## Notes to Financial Statements (continued)

Certain securities held by the Foundation do not have readily determinable quoted market prices and are carried at valuations provided by third-party investment managers. The Foundation believes that the carrying amount of these investments are a reasonable estimate of fair value, however, their estimated value is subject to uncertainty and therefore may differ from the value that would have been used had a ready market for such investment existed. Venture capital investments represent initial investments made to certain funds and are reported at cost until distributions are made from the funds or until market values are reported on the funds.

Investment securities are exposed to various risks, such as interest rate, market and credit risks. Due to the level of risk associated with certain investment securities, it is at least reasonably possible that changes in the values of investment securities will occur in the near term and that such changes could materially affect the amounts reported in the combined statement of net assets.

Investment income is recognized on the accrual basis. In computing realized gains and losses, cost is determined on a specific identification basis.

### RESTRICTED GRANTS AND CONTRACTS

The University receives monies from federal and state government agencies under grants and contracts for research and other activities including medical service reimbursements. The University records the recovery of indirect costs applicable to research programs, and other activities which provide for the full or partial reimbursement of such costs, as revenue. Recovery of indirect costs for the years ended June 30, 2006 and 2005 was \$85.8 million and \$82.0 million, respectively, and is a component of grants and contracts revenue. The costs, both direct and indirect, charged to these grants and contracts are subject to audit by the granting agency. The University believes that any audit adjustments would not have a material effect on the University's financial statements.

### PLEDGES AND ENDOWMENT SPENDING

Pledges for non-endowment purposes are presented net of amounts deemed uncollectible, and after discounting to the present value of the expected future cash flows. Because of uncertainties with regard to their realizability and valuation, bequests and intentions and other conditional promises are not recognized as assets until the specified conditions are met.

The Foundation utilizes the pooled investment concept whereby all invested funds are in one investment pool, except for investments of certain funds that are otherwise restricted. Pooled investment funds will receive an annual distribution of approximately 5% of their beginning market value as of July 1 subject to review and approval by the Foundation's Board of Directors. The distribution amount will be made available at the beginning of the following fiscal year. The actual spending rate was 4% for fiscal years 2006 and 2005. Future utilization of gains is dependent on market performance. Deficiencies for donor-restricted endowment funds, resulting from declines in market value, would be offset by an allocation from unrestricted net assets to restricted expendable net assets within the Foundation. The Foundation believes that, if applicable, these adjustments would be temporary and will not require per-

manent funding. In fiscal year 2006 and 2005 there were no deficiencies.

### INVENTORIES

The University's inventories consist of books, general merchandise, central stores, vaccines, and operating supplies which are carried at the lower of cost (first-in, first-out and average cost methods) or market.

### INVESTMENT IN PLANT

Capital assets are stated at cost. Net interest costs incurred during the construction period for major capital projects are added to the cost of the asset. Depreciation of capital assets is provided on a straight-line basis over the estimated useful lives of the respective assets. The University records a full year of depreciation in the year of acquisition. Land is not depreciated. Following is the range of useful lives for the University's depreciable assets:

Buildings	20-50 years
Building Improvements	15-20 years
Equipment and Furniture	3-15 years
Software	5 years
Library Books	15 years
Land Improvements	20 years

### COMPENSATED ABSENCES

Employees earn the right to be compensated during absences for annual vacation leave and sick leave. The accompanying statement of net assets reflects an accrual for the amounts earned and ultimately payable for such benefits as of the end of the fiscal year.

### DEFERRED REVENUE

Deferred revenue consists of amounts billed or received in advance of the University providing goods or services.

### ADVANCES AND DEPOSITS

Advances from the U.S. Government for Federal Perkins Loans to students are reported as part of advances and deposits. Future loans to students are made available from repayments of outstanding principal amounts plus accumulated interest received thereon.

### TUITION AND STATE APPROPRIATIONS

The combined financial statements for the years ended June 30, 2006 and 2005 record as tuition revenue approximately \$47.5 million and \$49.1 million, respectively, of tuition received by the University and remitted to the State Treasurer's Office for the general fund of the Commonwealth of Massachusetts. During fiscal year 2004, the Amherst campus was granted authority to retain tuition for out of state students as part of a pilot program authorized by the Commonwealth. This pilot program has been extended indefinitely in 2005. The recorded amount of State Appropriations received by the University has been reduced by a corresponding amount of tuition remitted as shown below (in thousands):

	2006	2005
Gross Commonwealth Appropriations	\$450,324	\$413,779
Plus: Fringe Benefits	123,949	114,173
	<u>574,273</u>	<u>527,952</u>
Less: Tuition Remitted	(47,524)	(49,139)
State Appropriations, Net	<u>\$526,749</u>	<u>\$478,813</u>

## AUXILIARY ENTERPRISES

Auxiliary Enterprise revenue of \$194.3 million and \$172.7 million for the years ended June 30, 2006 and 2005 respectively are stated net of room and board charge allowances of \$3.1 million and \$2.7 million, respectively.

## OTHER OPERATING REVENUES AND EXPENDITURES, SALES AND SERVICES, PUBLIC SERVICE ACTIVITIES

Public service activities consist primarily of sales and services to third parties that are provided by the UMass Medical School campus under its Commonwealth Medicine programs which provide public health consulting services to state and local agencies. In addition, educational services provided to UMass Memorial are included in public service activities. Included in revenues are Commonwealth Medicine revenues of \$234.3 million and \$213.8 million for the years ended June 30, 2006 and 2005, respectively. Included in expenditures are Commonwealth Medicine expenditures of \$266.6 million and \$176.2 million for the years ended June 30, 2006 and 2005, respectively. Educational services revenues included in public service revenues were \$133.0 million and \$214.1 million for the years ended June 30, 2006, and 2005, respectively. Public service activity expenditures also include payments to the Commonwealth of Massachusetts of \$110.0 million and \$151.3 million for the years ended June 30, 2006 and 2005, respectively, under its agreements with the Executive Office of Health and Human Services.

## FRINGE BENEFITS

The University participates in the Commonwealth's fringe benefit programs, including health insurance, unemployment, pension and workers' compensation benefits. Health insurance, unemployment and pension costs are billed through a fringe benefit rate charged by the Commonwealth to the University. Workers' compensation costs are assessed separately based on actual University experience.

Pursuant to the provisions of Paragraph (e), Section 5 of Chapter 163 of the Acts of 1997 and consistent with the September 22, 1992 Memorandum of Understanding between the Commonwealth of Massachusetts Executive Office of Administration and Finance and the University of Massachusetts, the University's Worcester Medical School campus has assumed the obligation for the cost of fringe benefits provided by the Commonwealth to University employees (other than those employees paid from state appropriated funds) for all periods on or after July 1, 1989. The University determines the actual costs for the health insurance benefits and actuarially calculates the incurred service costs for pensions and retiree health insurance.

## INCOME TAX STATUS

The University of Massachusetts is an agency of the Commonwealth of Massachusetts and is exempt from Federal income tax under Section 115(a) of the Internal Revenue Code. The University Related Organizations are 501(c)(3) organizations and are exempt from Federal Income tax under the Internal Revenue Code. Accordingly, no provision for income taxes has been recorded in the accompanying combined financial statements.

## COMPARATIVE INFORMATION AND RECLASSIFICATIONS

The University's financial statements include prior year

comparative information. Certain prior year amounts have been reclassified to conform with the current year presentation. During 2006, the University determined that a computational error had occurred in determining the components of net assets at June 30, 2005. Accordingly, the University has revised its classification of the components of net assets at June 30, 2005 by increasing invested in capital assets, net of debt by \$37.9 million, increasing restricted nonexpendable by \$.4 million, increasing restricted expendable by \$5.3 million, and reducing unrestricted by \$43.7 million. In addition, the University has made adjustments to certain 2005 current asset and current liability balances to more accurately present investment transactions on a gross presentation basis. These reclassifications, revised classification and adjustments have no effect on total net assets at June 30, 2005.

## **2. CASH AND CASH EQUIVALENTS AND INVESTMENTS**

As of June 30, 2005, the University implemented the disclosures which are required by the Governmental Accounting Standards Board, Statement No. 40 titled "Deposit and Investment Risk Disclosures", otherwise known as "GASB 40". For fiscal year ending June 30, 2006, the University assessed and completed the following statements: Custodial Credit Risk, Concentration of Credit Risk, Credit Risk and Interest Rate Risk of its Cash, Cash Equivalents and Investments.

The University's investments are made in accordance with the Investment Policy and Guidelines Statement adopted in March 2005 by the Board of Trustees (the Investment Policy). The goals of the Investment Policy are to preserve capital, provide liquidity, and generate investment income. As directed by the Investment Policy, the University has established a University Investment Committee, comprised of members of the Board of Trustees and University staff. This committee convenes periodically to review the University's investment portfolio for compliance with the Investment Policy and to establish, revise and monitor investment strategy and external benchmarks for the performance of the University's investments. The University of Massachusetts has statutory authority under Massachusetts General Laws Chapter 75 to collect, manage and disburse trust funds of the University.

The Investment Policy and Guidelines Statement adopted by the Board of Trustees in March of 2005 set forth the diversification limits for each asset class as shown below:

<u>Asset Class</u>	<u>Target Allocation</u>	<u>Exposure Range</u>
Equities	20%	15% - 25%
Fixed Income	57%	50% - 65%
Cash	23%	15% - 30%

The University's cash management investment policy authorizes the University to invest in obligations of the U.S. Department of the Treasury, its agencies and instrumentalities, municipal and state bonds, certificates of deposit, commercial paper, banker's acceptances, Eurodollar contracts, corporate bonds, mutual funds, collateralized mortgage obligations, asset backed securities, repurchase agreements, and money market funds. The University's investment policy authorizes the University to invest endow-

## Notes to Financial Statements (continued)

ment funds in the above investments as well as common and preferred stock.

Investments are reported at their respective fair values. The values of publicly traded fixed income and equity securities are based upon quoted market prices at the close of business on the last day of the fiscal year. Private equities and certain other non-marketable securities are valued using current estimates in fair value by management based on information provided by the general partner or investment manager for the respective securities. Investments in units of non-publicly traded pooled funds are valued at the unit value determined by the fund's administrator based on quoted market prices of the underlying investments. Private equities and other non-marketable securities represent approximately 11% and 3.7% of the Universities investments at June 30, 2006 and 2005, respectively.

**Custodial Credit Risk** - Custodial Credit Risk is the risk that, in the event of a failure of the counterparty, the University would not be able to recover the value of its deposits, investments or collateral securities that were in the possession of an outside party. Deposits are exposed to custodial risk if they are uninsured and uncollateralized. Investment securities are exposed to custodial credit risk if they are uninsured or not registered in the name of the University and are held by either the counterparty or the counterparty's trust department or agent but not in the University's name. As of June 30, 2006, all cash and investment accounts were held on behalf of the University by the Trustees, in the Trustee's name.

The University maintains depository accounts with Bank of America N.A., Bank North, Citizens, Fifth Third, and U.S. Bank. The University maintains payroll, disbursement and receipt and imprest accounts with Bank of America N.A.. None of these accounts are collateralized. Accounts carry FDIC insurance up to \$100,000 per account. The following balances on deposit on June 30, 2006 were \$19.1 million in Bank of America, \$1.1 million in Bank North, \$.25 million in Citizens, \$.27 million in Fifth Third Bank, and \$.09 million in US Bank. At June 30, 2006 and 2005, the carrying amount of the University's bank account deposits were \$48.7 million and \$56.9 million, respectively, as compared to bank balances of \$20.8 million and \$26.5 million, respectively. In 2006, the differences between the carrying amount and bank balances were primarily caused by outstanding checks, deposits in-transit, and a gross up of securities lending of \$31.8 million. Of such said bank balances, \$2.4 million at June 30, 2006 and \$3.0 million at June 30, 2005 are covered by federal deposit insurance. The remaining \$18.3 million at June 30, 2006 and \$23.5 million at June 30, 2005 are uninsured and uncollateralized and therefore subject to custodial credit risk.

In addition to bank account deposits, at June 30, 2006, the University held interest money market instruments which are classified as investments. At June 30, 2006 and 2005, the carrying amounts of the University's money market accounts were \$70.9 million and \$54.4 million, respectively, as compared to bank balances of \$100.8 million and \$75.8 million, respectively. The differences between the carrying amount and bank balances were primarily caused by outstanding checks. Of such said money market balances, \$.6 million at June 30, 2006 and \$.5 million at June 30, 2005 are covered by federal deposit insurance.

The remaining \$100.2 million at June 30, 2006 and \$75.3 million at June 30, 2005 are uninsured and uncollateralized, therefore subject to custodial credit risk. At June 30, 2006, the University maintained money market accounts with \$33.4 million in Bank of America N.A., \$67.4 million in Fidelity Investors, \$79,060 in Berkshire Bank, and \$2,500 in Citizens Bank. In addition to money market fair market value, in 2006 the University held \$12.1 million of cash to be used to settle open trades at June 30, 2006 and \$20.5 million at June 30, 2005.

At June 30, 2006 the University held a carrying and fair market value of \$397.3 million in non-money market investments compared to a carrying and fair market value of \$423.6 million at June 30, 2005. In the event of negligence due to the University's custodian and/or investment manager(s), investment balances of would be fully recovered. However, the \$397.3 million is subject to both interest rate risk and credit risk. Custody of assets is held with Mellon Trust of New England, N.A. or with the individual Investment Manager who is responsible for executing investment transactions.

**Concentration of Credit Risk** - Concentration of Credit Risk is assumed to arise when the amount of investments that the University has with one issuer exceeds 5 percent or more of the total value of the University's investments.

As of June 30, 2006, there is no portion of the University portfolio, excluding Bank of America N. A. (10.3%) and Fidelity Investments (13.6%) money markets investments and U. S. Government guaranteed obligations that exceed 5% of the portfolio.

**Credit Risk** - Credit risk is the risk that the University will lose money because of the default of the security issuer or investment you can sit alone counterparty. The University's Investment Policy and Guidelines Statement gives each Portfolio Manager full discretion within the parameters of the investment guidelines specific to that manager.

The table below shows the fair value (in thousands) and average credit quality of the fixed income component of the University's investment portfolio as of June 30, 2006 and 2005, respectively:

Asset Class	June 30, 2006 Fair Value	Average Credit Quality	June 30, 2005 Fair Value	Average Credit Quality
Short Duration	\$159,113	AAA	\$252,325	AA
Intermediate Duration	206,409	A	178,219	A
Convertible Bonds	13,524	A	8,930	A
High Yield Bonds	20,382	BB	19,843	BB

**Rated Debt Investments - 2006**  
(in thousands)

	S&P Quality Ratings								
	Fair Value	AAA	AA	A	BBB	BB	B	CCC	Unrated
U.S. Agencies	\$61,718	\$61,279							\$439
U.S. Government	24,611	24,611							
Corporate Debt	175,703	60,156	\$13,385	\$43,881	\$22,264	\$7,216	\$13,956	\$1,138	13,707
Money Market Mutual Fund	137,396	100,849							36,547
	<u>\$399,428</u>	<u>\$246,895</u>	<u>\$13,385</u>	<u>\$43,881</u>	<u>\$22,264</u>	<u>\$7,216</u>	<u>\$13,956</u>	<u>\$1,138</u>	<u>\$50,693</u>

**Rated Debt Investments - 2005**  
(in thousands)

	S&P Quality Ratings								
	Fair Value	AAA	AA	A	BBB	BB	B	CCC	Unrated
U.S. Agencies	\$160,879	\$131,419	\$8,963	\$16,769	\$3,728				
U.S. Government	26,808	4,257			11,821				\$10,730
Corporate Debt	149,484	33,411	11,211	51,851	22,019	\$10,666	\$9,700	\$1,452	9,174
Municipal/Public Bonds	3,897	2,573	1,324						
Money Market Mutual Fund	118,249	75,838							42,411
	<u>\$459,317</u>	<u>\$247,498</u>	<u>\$21,498</u>	<u>\$68,620</u>	<u>\$37,568</u>	<u>\$10,666</u>	<u>\$9,700</u>	<u>\$1,452</u>	<u>\$62,315</u>

**Interest Rate Risk** - Interest rate risk is the risk that changes in interest rates will adversely affect the fair market value of an investment. The Investment Policy establishes targets for the preferred duration of the fixed income

component of the investment portfolio by asset class by limiting investments through targeted allocations to different asset classes.

The table below shows the current target allocation for each asset class and the fair value (in thousands) for each as of June 30, 2006 and 2005, respectively:

Asset Class	6/30/06 Target Allocation	6/30/06 Fair Value	6/30/05 Target Allocation	6/30/05 Fair Value
Short Duration	45%	\$159,113	45%	\$252,325
Intermediate Duration	25%	206,409	25%	178,219
Convertible Bonds	3%	13,524	3%	8,930
High Yield Bonds	5%	20,382	5%	19,843
Alternative Assets	8%	58,858	8%	20,077
Equities	9%	73,750	9%	59,398
Real Estate	0%	2,649	0%	3,028



Notes to Financial Statements (continued)

**Investments - 2006**  
(in thousands)

Investment Type	Investment Maturities (in years)				
	Fair Value	Less Than 1	1 to 5%	6 to 10	More than 10
Debt Securities					
U.S. Agencies	\$58,978	\$25,826	\$4,965	\$2,802	\$25,385
U.S. Government	24,611	8,524	1,311	14,036	740
Corporate Debt	175,703	3,482	69,021	19,706	83,494
Municipal/Public Bonds	2,740		2,025	715	
Money Market Mutual Fund	137,396	137,396			
	<u>\$399,428</u>	<u>\$175,228</u>	<u>\$77,322</u>	<u>\$37,259</u>	<u>\$109,619</u>

Other Investments	Fair Value
Equity Securities - Domestic	\$42,979
Equity Securities - International	30,771
Alternative Assets	58,858
Real Estate	2,649
	<u>\$135,257</u>

**Investments - 2005**  
(in thousands)

Investment Type	Investment Maturities (in years)				
	Fair Value	Less Than 1	1 to 5%	6 to 10	More than 10
Debt Securities					
U.S. Agencies	\$165,302	\$90,150	\$54,150	\$1,674	\$19,328
U.S. Government	1,487	1,487			
Corporate Debt	170,383	35,677	63,193	19,510	52,003
Municipal/Public Bonds	3,896	1,324	1,975	597	
Money Market Mutual Fund	118,249	118,249			
	<u>\$459,317</u>	<u>\$246,887</u>	<u>\$119,318</u>	<u>\$21,781</u>	<u>\$71,331</u>

Other Investments	Fair Value
Equity Securities - Domestic	\$42,805
Equity Securities - International	16,593
Alternative Assets	20,077
Real Estate	3,028
	<u>\$82,503</u>

**Securities Lending:** In efforts to offset custodian fees, the University participates in a securities lending program to generate income. The University's custodian, Mellon Trust of New England, N.A., conducts business on behalf of the University with potential borrowers who are prescreened for creditworthiness prior to transactions. In exchange for the use of a particular security, cash collateral of 101-105% of the security's fair market value is collected from the potential borrower to offset any likelihood of loss. If a loss occurs, Mellon Trust of New England, N.A. will promptly replace the security in question with an exact or similar security of the same value. Also, any potential earnings lost will also be credited back to the University.

The University of Massachusetts has been participating in a securities lending program since March 18, 2005. Administration of securities lending is overseen by the University's custodian, Mellon Trust of New England, N.A.

Strict controls are set in place to minimize losses and substantiate gains. The purpose of this program is to generate additional revenue for the University at minimal risk. As indicated before, earned income is used to partially offset custodian fees, increase cash flows, and reduce operating expenses. The amount of securities on loan at fiscal year end are reported as investments in the statement of net assets and the collateral is reported as cash and cash equivalents and other liabilities.

All lending opportunities are initiated through Mellon Trust of New England, N.A.. Mellon Trust of New England, N.A. maintains a reputable list of clients and borrowers, who are matched up when lending opportunities arise. To ensure fairness, Mellon Trust of New England, N.A. maintains a mathematically regulated client queue. When a particular security is desired by a borrower, the first client in queue who holds the security is given the opportunity to lend.

As of June 30, 2006 the University held a fair market value of \$209.4 million in lendable securities, compared to \$301.9 million in 2005, respectively. Out of these lendable securities, as of June 30, 2006 \$31.8 million was out on

loan with 63 borrowers, respectively compared to \$29.0 million with 42 borrowers on June 30, 2005. The loans were outstanding for an average of 58 days in 2006, compared to 21 days in 2005.

#### Securities Lending 2006 (in thousands)

Securities Lent	Underlying Security Value	Collateral Rec'd Value	Collateral Percentage
U.S. Agencies	\$200	\$203	101.83%
Corporate Debt	8,909	9,126	102.44%
Equity Securities	253	262	103.36%
U.S. Govt. - TIPS	1,436	1,451	100.98%
U.S. Govt. - T-Bonds	8,737	8,883	101.67%
U.S. Govt. - T-Notes	12,250	12,482	101.90%
	<u>\$31,785</u>	<u>\$32,407</u>	<u>101.96%</u>

#### Securities Lending 2005 (in thousands)

Securities Lent	Underlying Security Value	Collateral Rec'd Value	Collateral Percentage
U.S. Agencies	\$3,006	\$3,068	102.06%
Corporate Debt	7,626	7,822	102.56%
U.S. Govt. - T-Notes	18,399	18,795	101.90%
	<u>\$29,031</u>	<u>\$29,685</u>	<u>101.96%</u>

The cost and fair value of cash, cash equivalents and investments of the University Related Organizations at June 30, 2006 and 2005, respectively are as follows (in thousands):

University Related Organizations:	Total Fair	Total	Total Fair	Total
	Value - 6/30/06	Cost - 6/30/06	Value - 6/30/05	Cost - 6/30/05
Cash and Cash Equivalents	\$2,836	\$2,836	\$3,219	\$3,219
Money Market Instruments	98,035	88,369	77,219	73,381
Corporate and Municipal Bonds	54,987	56,434	56,117	53,754
Common and Preferred Stock	67,338	53,026	53,315	44,585
Mutual Funds	4,491	3,393	3,620	2,744
Other	9,958	9,549	10,714	9,353
	<u>\$237,645</u>	<u>\$213,607</u>	<u>\$204,204</u>	<u>\$187,036</u>

## Notes to Financial Statements (continued)

Pursuant to Trust Agreements between the Building Authority and its bond trustees, all funds deposited with those trustees (approximately \$411.3 million at June 30, 2006 and \$499.6 million at June 30, 2005) shall be continuously maintained for the benefit of the Building Authority and Registered owners of the Bonds. All investments shall

be (a) held with a bank or trust company approved by the Trustees and the Building Authority, as custodians, or (b) in such other manner as may be required or permitted by applicable state and Federal laws and regulations. Investments shall consist of (a) direct obligations of, or obligations which are unconditionally guaranteed by, the United States of America, or any other agency or corporation which has been created pursuant to an act of Congress of the United States as an agency or instrumentality thereof; or (b) other marketable securities eligible as collateral for the deposit of trust funds under regulations of the Comptroller of the Currency having a market value not less than the amount of such deposit. Direct obligations of, or obligations which are unconditionally guaranteed by, the United States of America or any other agency or corporation which has been created pursuant to an act of Congress of the United States as an agency or instrumentality thereof may be subject to repurchase upon demand by the owner pursuant to a repurchase agreement with a bank or trust company.

### 3. CASH HELD BY STATE TREASURER

Accounts payable, accrued salaries and outlays for future capital projects to be funded from state-appropriated funds totaled approximately \$19.7 million at June 30, 2006

### 5. ACCOUNTS, GRANTS AND LOANS RECEIVABLE

Accounts, grants and loans receivable at June 30 consist of the following (in thousands):

#### University:

	2006	2005
Students Accounts Receivable	\$22,656	\$21,000
Less allowance for uncollectible accounts	(9,143)	(8,707)
	<u>13,513</u>	<u>12,293</u>
Grants and Contracts Receivable	77,797	74,274
Less allowance for uncollectible accounts	(1,267)	(1,596)
	<u>76,530</u>	<u>72,678</u>
Students Loans Receivable	41,521	42,986
Less allowance for uncollectible accounts	(3,567)	(4,125)
	<u>37,954</u>	<u>38,861</u>
Commonwealth Medicine	53,119	56,301
Less allowance for uncollectible accounts	(2,754)	(2,754)
	<u>50,365</u>	<u>53,547</u>
Other	44,320	35,024
Less allowance for uncollectible accounts	(2,444)	(3,105)
	<u>41,876</u>	<u>31,919</u>
Total	\$220,238	\$209,298
Less current portion	(186,213)	(172,294)
Long-term	<u>\$34,025</u>	<u>\$37,004</u>

#### Related Organizations:

	2006	2005
Other Accounts Receivable	\$22	\$92
Less allowance for uncollectible accounts	-	-
	<u>22</u>	<u>92</u>
Less current portion	(22)	(92)
Long-term	<u>\$-</u>	<u>\$-</u>

and \$33.7 million at June 30, 2005. The University has recorded a comparable dollar amount of cash held by the State Treasurer for the benefit of the University, which will be subsequently utilized to pay for such liabilities.

### 4. CASH AND SECURITIES HELD BY TRUSTEES

Cash and securities held by trustees primarily consist of unspent loan proceeds and amounts held for the future payment of debt service on such borrowings. At June 30, 2006 and June 30, 2005, there are investments of \$16.2 million and \$22.0 million, respectively, available from Master Lease agreements entered into by the University for capital asset purchases at the Amherst and Boston campuses. Additionally, there is \$21.2 million and \$19.4 million, respectively, available from the Revolving Loan Fund established with 2000 Series A bond proceeds issued to acquire and implement enterprise resource planning technology along with other projects (see Note 8) and \$411.3 million and \$499.6 million, respectively, held by trustees related to the Building Authority. In addition, at June 30, 2005, \$2.8 million was available to be used by WCCC for capital construction purposes.

Funds deposited with trustees include \$109.8 million and \$334.8 million of investments in repurchase agreements at June 30, 2006 and 2005, respectively. These repurchase agreements are secured by cash or investments with a fair market value between 100% and 105% of the repurchase price, depending on the type of assets used as security. These repurchase agreements can be redeemed at any time for the repurchase price provided the redemption proceeds are used for the purpose permitted by the respective repurchase agreement.

In connection with the merger of UMass Memorial and the former Clinical Services Division of the University in 1998, the University and UMass Memorial have the following ongoing agreements:

- UMass Memorial has been granted the right to occupy portions of the University's Worcester Medical School campus for a period of 99 years and UMass Memorial has agreed to share responsibility for various capital and operating expenses relating to the occupied premises. UMass Memorial has also agreed to contribute to capital improvements to shared facilities.
- UMass Memorial has agreed to make certain payments to the University and its related organizations, including: 1) an annual fee of \$12.0 million (plus an inflation adjustment), for 99 years as long as the University continues to operate a medical school; 2) a percentage of net operating income of UMass Memorial based upon an agreed upon formula which revenue is recognized by the University when the amounts are agreed; and, 3) a \$31.5 million contribution plus interest by UMass Memorial to jointly fund and develop a new research facility with the University, the final payment of which was received during April 2001.
- The University will lease certain employees to UMass Memorial or its affiliates during a transition period ending in 2008.\*

The University is reimbursed by, and reimburses UMass Memorial for shared services, leased employees, and other agreed upon activities provided and purchased. For the years ended June 30, 2006 and 2005, the reimbursement for services provided to UMass Memorial were \$112.1 million and \$101.6 million, respectively. Included in these amounts is payroll paid by the University on behalf of UMass Memorial in an agency capacity in the amount of \$68.6 million for fiscal year 2006 and \$64.6 million for fiscal year 2005. At June 30, 2006 and 2005, the University has recorded a net receivable in the amount of \$115.4 million and \$16.4 million, respectively from UMass Memorial consisting of \$2.7 million and \$2.6 million, respectively related to capital projects at the Medical School, and \$112.1 million and \$13.8 million, respectively in payroll and related fringe charges. The University has recorded a payable at June 30, 2006 and 2005 of \$8.0 million and \$4.0 million, respectively for amounts due to UMass Memorial.

## 6. RELATED ORGANIZATIONS

Related party activity with The University of Massachusetts Foundation Inc., includes advances under a line of credit, and loan and lease agreements, and investment of the University's endowment assets with the Foundation. As of June 30, 2006, the net assets of the Foundation included as related organizations in the combined financial statements of the University, are \$251.3 million, of which \$245.2 million are restricted funds and \$6.1 million are unrestricted funds. During the fiscal year ended June 30, 2006, the University received approximately \$8.6 million from the Foundation, and disbursed approximately \$2.2 million to the Foundation. At June 30, 2006, the University's investments include approximately \$249,000 of current restricted funds and \$39.6 million of endowment funds held in a custodial relationship at the Foundation.

As of June 30, 2005, the net assets of the Foundation included as related organizations in the combined financial statements of the University, were \$224.6 million, of which \$219.4 million were restricted funds and \$5.2 million were

unrestricted funds. During the fiscal year ended June 30, 2005, the University received approximately \$7.2 million from the Foundation, and disbursed approximately \$3.2 million to the Foundation. At June 30, 2005, the University's investments included approximately \$94,000 of current restricted funds and \$37.5 million of endowment funds held in a custodial relationship at the Foundation.

The University had entered into a loan agreement with the Foundation in order to refinance a portion of its line of credit and renovate the Hadley Farm. At June 30, 2005, approximately \$70,000 was outstanding. During fiscal year 2006, this loan was paid off and title was transferred to the Amherst campus upon final payment of the amount outstanding made during the year ended June 30, 2006. The University leases office space from the Foundation for an annual rent of approximately \$0.3 million.

During 2001, the Worcester Medical School and UMass Memorial formed Public Sector Partners (PSP). PSP is a Massachusetts not-for-profit corporation organized to provide administrative support to agencies of state and local governments that provide health care and health related services to recipients under the auspices of government sponsored and funded health care programs and initiatives. PSP is governed by a board of trustees that are comprised of representatives from the Worcester Medical School, UMass Memorial and persons independent of both institutions. Accordingly PSP's results of operations and statement of position are not included herein. During 2006 and 2005, the University recognized revenues of approximately \$32.1 million and \$13.3 million, respectively, and expenses of approximately \$50.0 million and \$33.9 million, respectively, related to PSP.

The Building Authority and the Commonwealth of Massachusetts have entered into various lease agreements under which the Commonwealth leases to the Building Authority certain property for nominal amounts.

In August 2005, the Building Authority executed a contract with UMass Management, LLC, a wholly owned subsidiary of ClubCorp USA, Inc., to provide management services for The University of Massachusetts Club (the Club), a private social club for alumni and friends of the University located on the 33rd floor of 225 Franklin Street in downtown Boston, Massachusetts.

Under the contract, the Authority is responsible for approving the budgets and operating plans of the Club as presented by the Manager. The Building Authority is responsible for any shortfall in the operating budget and will benefit from any operating profits. The contract calls for a minimum management fee payable to the Manager of \$150,000 or four percent of the operating revenues, as defined by the contract, whichever is greater. Additionally, the Manager receives a percentage of the Club initiation fees and 25 percent of operating profits, as defined by the contract. The contract term is 10 years and can be terminated by the Building Authority after 3 years if the Building Authority decides to close the Club for a minimum of 18 months. The Building Authority is the tenant on the sublease for the Club space on the 33rd floor and the lease does not terminate should the Building Authority close the Club.

As of June 30, 2006, the Authority had provided operating support for the Club of approximately \$678,000 and also provided startup funding of approximately \$250,000. Additionally, the Authority funded approximately \$688,000 of the costs to renovate the floor for the Club and the University's executive offices.

Notes to Financial Statements (continued)

**7. INVESTMENT IN PLANT** Investment in plant activity for the year ended June 30, 2006 is comprised of the following (in thousands):

University:

	Beginning Balance	Additions/ Adjustments	Retirements/ Adjustments	Ending Balance
Land	\$21,285	\$408		\$21,693
Buildings and Improvement	1,636,538	251,723	(\$10,032)	1,878,229
Equipment and Furniture	497,718	47,847	(27,528)	518,037
Software	93,527	5,270		98,797
Library Books	103,633	8,793	(6,718)	105,708
	2,352,701	314,041	(44,278)	2,622,464
Accumulated Depreciation	(1,259,706)	(120,157)	25,616	(1,354,247)
Sub-Total	1,092,995	193,884	(18,662)	1,268,217
Construction in Progress	237,415	211,747	(217,772)	231,390
Total	\$1,330,410	\$405,631	(\$236,434)	\$1,499,607

University Related Organizations:

	Beginning Balance	Additions/ Adjustments	Retirements/ Adjustments	Ending Balance
Land	\$576			\$576
Buildings and Improvements	594			594
Equipment and Furniture	102	\$13		115
	1,272	13		1,285
Accumulated Depreciation	(266)	(16)		(282)
Total	\$1,006	(\$3)		\$1,003

Investment in plant activity for the year ended June 30, 2005 is comprised of the following (in thousands):

University:

	Beginning Balance	Additions/ Adjustments	Retirements/ Adjustments	Ending Balance
Land	\$21,280	\$5		\$21,285
Buildings and Improvement	1,509,191	129,519	(\$2,172)	1,636,538
Equipment and Furniture	465,316	43,074	(10,672)	497,718
Software	88,979	7,127	(2,579)	93,527
Library Books	102,073	8,677	(7,117)	103,633
	2,186,839	188,402	(22,540)	2,352,701
Accumulated Depreciation	(1,142,952)	(127,399)	10,645	(1,259,706)
Sub-Total	1,043,887	61,003	(11,895)	1,092,995
Construction in Progress	119,813	202,197	(84,595)	237,415
Total	\$1,163,700	\$263,200	(\$96,490)	\$1,330,410

University Related Organizations:

	Beginning Balance	Additions/ Adjustments	Retirements/ Adjustments	Ending Balance
Land	\$576			\$576
Buildings and Improvements	591	\$3		594
Equipment and Furniture	102			102
	1,269	3		1,272
Accumulated Depreciation	(250)	(16)		(266)
Total	\$1,019	(\$13)		\$1,006



At June 30, 2006 and 2005, investment in plant included capital lease assets of approximately \$83.2 million and \$76.8 million, respectively, net of accumulated depreciation on capital lease assets of approximately \$50.5 million and \$46.4 million, respectively

The University has capitalized interest on borrowings, net of interest earned on related debt reserve funds, during

the construction period of major capital projects. Capitalized interest is added to the cost of the underlying assets being constructed, and is amortized over the useful lives of the assets. For the years ended June 30, 2006 and 2005, the University capitalized net interest costs of \$5.6 million and \$13.8 million respectively.

## 8. BONDS PAYABLE

Amounts outstanding as June 30, 2006 are as follows:

Issue Borrowing	Original Borrowing	Maturity Date	Interest Rate	Amount Outstanding
<b>University of Massachusetts Building Authority</b>				
Series 2000-A	\$46,980	2011	4.5-4.75%	\$8,850
Series 2000-1	24,145	2010	4.5-4.625%	5,265
Series 2000-2	132,155	2010	4.4-5.5%	26,130
Series 2003-1	137,970	2014	2.0-5.25%	47,365
Series 2004-A	96,025	2015	2.75-4.5%	17,940
Series 2004-1	183,965	2016	2.25-5.375%	64,485
Series 2005-1	25,595	2016	5.0%	22,495
Series 2005-2	212,550	2025	3.0-5.25%	208,100
Series 2006-1	243,830	2034	3.482%	243,830
Series 2006-2	21,240	2014	5.18-5.49%	21,240
				<u>665,700</u>
			Unamortized Bond Premium	27,233
			Less Deferred Loss on Refunding	(44,754)
			Subtotal	<u>648,179</u>
<b>University of Massachusetts HEFA:</b>				
2000 Series A	40,000	2030	variable	40,000
2001 Series B	11,970	2031	4.0-5.25%	11,140
2002 Series C	35,000	2034	2.35-5.17%	33,850
			Subtotal	<u>84,990</u>
<b>WCCC HEFA:</b>				
Series 2001-B	52,020	2031	3.75-5.25%	48,655
Series 2002-C	70,000	2031	4.0-5.5%	66,330
Series 2005-D	99,330	2029	3.0-5.25%	99,330
				<u>214,315</u>
			Unamortized Bond Premium	3,353
			Less Deferred Loss on Refunding	(8,956)
			Subtotal	<u>208,712</u>
			Total	<u>\$941,881</u>

Bonds payable activity for the year ended June 30, 2006 is summarized as follows:

	Beginning Balance	Additions	Retirements	Ending Balance
<b>University of Massachusetts Building Authority:</b>				
1995 Fifth Series-A	\$13,717		(\$13,717)	
Series 1995-B	21,470		(21,470)	
Series 2000-A	44,630		(35,780)	\$8,850
Series 2000-1	13,185		(7,920)	5,265
Series 2000-2	109,055		(82,925)	26,130
Series 2003-1	137,970		(90,605)	47,365
Series 2004-A	96,025		(78,085)	17,940
Series 2004-1	182,360		(117,875)	64,485
Series 2005-1	23,980		(1,485)	22,495
Series 2005-2		\$212,550	(4,450)	208,100
Series 2006-1		243,830		243,830
Series 2006-2		21,240		21,240
Plus: unamortized bond premium	9,564	20,342	(2,673)	27,233
Less: deferred loss on refunding	(2,665)	(42,622)	533	(44,754)
Subtotal	649,291	455,340	(456,452)	648,179
<b>Umass HEFA:</b>				
2000 Series A	40,000			40,000
2001 Series B	11,360		(220)	11,140
2002 Series C	34,430		(580)	33,850
Subtotal	85,790		(800)	84,990
<b>WCCC HEFA:</b>				
WCCC 2001 Series B	49,600		(945)	48,655
WCCC 2002 Series C	67,600		(1,270)	66,330
WCCC 2005 Series D	99,330			99,330
Plus: unamortized bond premium	3,499		(146)	3,353
Less: deferred loss on refunding	(8,956)			(8,956)
Subtotal	211,073		(2,361)	208,712
Total	\$946,154	\$455,340	(\$459,613)	\$941,881

Notes to Financial Statements (continued)

Bonds payable activity for the year ended June 30, 2005 is summarized as follows:

	Beginning Balance	Additions	Retirements	Ending Balance
University of Massachusetts Building Authority:				
1995 Fifth Series-A	\$15,170		(\$1,453)	\$13,717
Series 1995-B	23,370		(1,900)	21,470
Series 2000-A	45,830		(1,200)	44,630
Series 2000-1	14,065		(880)	13,185
Series 2000-2	113,620		(4,565)	109,055
Series 2003-1	137,970			137,970
Series 2004-A	96,025			96,025
Series 2004-1	183,965		(1,605)	182,360
Series 2005-1	25,875		(1,895)	23,980
Plus: unamortized bond premium	10,044		(480)	9,564
Less: deferred loss on refunding	(2,840)		175	(2,665)
Subtotal	663,094		(13,803)	649,291
Umass HEFA:				
2000 Series A	40,000			40,000
2001 Series B	11,570		(210)	11,360
2002 Series C	35,000		(570)	34,430
Subtotal	86,570		(780)	85,790
WCCC HEFA:				
WCCC 2001 Series B	50,505		(905)	49,600
WCCC 2002 Series C	68,830		(1,230)	67,600
WCCC 2005 Series D	96,705	\$99,330	(96,705)	99,330
Plus: unamortized bond premium		3,499		3,499
Less: deferred loss on refunding	(1,350)	(8,956)	1,350	(8,956)
Subtotal	214,690	93,873	(97,490)	211,073
Total	\$964,354	\$93,873	(\$112,073)	\$946,154

Maturities and interest, which is estimated using rates at June 30, 2006, on bonds payable for the next five fiscal years and in subsequent five-year periods are as follows (in thousands):

	Principal	Interest
2007	\$25,130	\$42,867
2008	32,925	41,514
2009	34,125	40,236
2010	35,545	38,827
2011	37,140	37,280
2012-2016	193,255	158,975
2017-2021	205,755	110,828
2022-2026	176,075	66,730
2027-2031	184,235	30,823
2032-2036	40,820	2,798
Total	\$965,005	\$570,878

**University of Massachusetts Building Authority**

The bond agreements related to the Building Authority bonds generally provide that the net revenues of the Building Authority are pledged as collateral on the bonds and also provide for the establishment of bond reserve funds, bond funds, and maintenance reserve funds.

The University is obligated under its contracts for financial assistance, management and services with the Building Authority to collect rates, rents, fees and other charges with respect to such facilities sufficient to pay principal and interest on the Building Authority's bonds and certain other costs such as insurance on such facilities.

Pursuant to the authority given by the Building Authority's enabling act, the Commonwealth, acting by and through the

Trustees of the University, has guaranteed the payment of principal of and interest on the Building Authority's bonds. (The guarantee is a general obligation of the Commonwealth to which the full faith and credit of the Commonwealth are pledged. As is generally the case with other general obligations of the Commonwealth, funds with which to honor the guarantee, should it be called upon, will be provided by Commonwealth appropriation.) The Building Authority's enabling act provides that the outstanding principal amount of notes and bonds of the Building Authority guaranteed by the Commonwealth cannot exceed \$200.0 million. The Building Authority issued bonds are all Commonwealth guaranteed with the exception of Series 2000-2, Series 2003-1, Series 2004-1, Series 2005-1, Series 2005-2, Series 2006-1, and Series 2006-2 (federally taxable).

When the Building Authority no longer has any bonds outstanding, its properties revert to the Commonwealth, and all its funds (other than funds pledged to bondholders) are required to be paid into the Treasury of the Commonwealth.

In fiscal year 2006 the Building Authority issued Series 2006-1 bonds. The bonds were issued in the amount of \$243.8 million and the proceeds were to be used for various construction and renovation projects for the University at its Lowell campus and to partially advance refund the 2003-1 Series bonds, the 2004-1 Series bonds and the 2004-A Series bonds. As of June 30, 2006 the bonds payable amount was \$243.8 million. The bonds are payable annually on November 1 through 2034. The bonds carry a variable interest rate and are callable at any time at par. The principal and interest payments on the bonds have been insured by AMBAC.

In fiscal year 2006 the Building Authority issued Series 2006-2 taxable bonds. The bonds were issued in the amount of \$21.2 million and the proceeds were used to advance refund the UMBA Refunding Bonds, Series 1995-B. As of June 30, 2006 the bonds payable amount was \$21.2 million. The bonds are payable annually on November 1 through 2014. The bonds carry interest rates that range from 5.18% to 5.49% and are not callable. The principal and interest payments on the bonds have been insured by AMBAC.

In fiscal year 2006, the Building Authority refunded the ULBA Fifth Series A bonds and the UMBA Refunding Bonds, Series 1995-B and partially refunded the following bond issues: the 2000-1 Series bonds, the 2000-2 Series bonds, the 2000-A Series bonds, the 2003-1 Series Bonds, the 2004-1 Series Bonds and the 2004-A Series bonds. Accordingly, the Building Authority deposited into trust accounts funds sufficient to provide for all future debt service payments on the refunded bonds. Assets held in the trust accounts had an aggregate market value of approximately \$459.7 million as of June 30, 2006. The unpaid principal amount of the refunded bonds totaled approximately \$419.5 million as of June 30, 2006.

In connection with the Authority's Series 2006-1 variable interest rate bonds, the Authority entered into an interest rate swap agreement with Citibank N.A.. The intention of the swap is to effectively change the Authority's variable interest rate on the bonds to a synthetic fixed rate of 3.482%.

**Terms.** The bonds and the related swap agreement mature on November 1, 2034, and the swap's notional amount of \$243.8 million matches the amount of the variable rate bonds. The swap was entered at the same time the bonds were issued (April 2006). Starting in fiscal year 2007, the notional value of the swap and the principal amount of the associated debt decline. Under the swap, the Building Authority pays the counterpart a fixed payment of 3.482% and receives a variable payment computed as 60% of the three-month London Interbank Offered Rate (LIBOR) plus .18%. Conversely, the bonds' variable-rate coupons are based on The Bond Market Association Municipal Swap Index™ (BMA).

**Fair value.** As of June 30, 2006, the swap had a positive fair market value of approximately \$2.7 million due to an increase in interest rates since execution of the swap. Because the Building Authority's variable-rate bonds adjust

to changing interest rates, the bonds do not have a corresponding fair value decrease. The fair value was estimated using the zero-coupon method. This method calculates the future net settlement payments required by the swap, assuming that the current forward rates implied by the yield curve correctly anticipate future spot interest rates. These payments are then discounted using the spot rates implied by the current yield curve for hypothetical zero-coupon bonds due on the date of each future net settlement on the swap.

**Credit risk.** As of June 30, 2006 the Building Authority was exposed to credit risk in the amount of the swap's fair value. The swap's counterparty, Citibank, N.A., was rated Aa1, AA and AA+ by Moody's Investors Service, Standard and Poor's and Fitch Ratings, respectively, as of June 30, 2006. To mitigate the potential for credit risk, if the counterparty's credit quality falls below AA/Aa, the fair value of the swap will be fully collateralized by the counterparty with U.S. Government Securities or U. S. Government Agency Securities. Collateral posted by the counterparty will be held by a third-party custodian.

**Basis risk.** The swap exposes the Building Authority to basis risk should the relationship between LIBOR and BMA converge, changing the synthetic rate on the bonds. The effect of this difference in basis is indicated by the difference between the intended synthetic rate (3.482%) and the synthetic rate as of June 30, 2006 (3.963%). If a change occurs that results in the rates' moving to convergence, the expected cost savings may not be realized. As of June 30, 2006, the BMA rate was 3.96%, whereas 60% of LIBOR plus .18% was 3.479%.

**Termination risk.** The Building Authority or the counterparty may terminate the swap if the other party fails to perform under the terms of the contract. The swap may be terminated by the Authority if the counterparty's credit quality rating falls below Baa1 as issued by Moody's Investor Service or BBB+ as issued by Standard & Poor's or if the counterparty fails to have such a rating. If the swap is terminated, the variable-rate bonds would no longer carry a synthetic interest rate. Also, if at the time of the termination the swap has a negative fair value, the Authority would be liable to the counterparty for a payment equal to the swap's fair value.

**Standby Bond Purchase Agreement.** In connection with the Series 2006-1 bonds, the Building Authority also entered into a standby bond purchase agreement with Depfa Bank plc (the bank) which requires the bank to purchase bonds tendered and not remarketed in an amount not to exceed the principal on the bonds plus accrued interest up to 190 days at an annual interest rate not to exceed 12 percent. Under this agreement, the Building Authority is required to pay the bank in quarterly installments a facility fee in the amount of 9.5 basis points of the initial commitment. The initial commitment under the agreement was set at \$255 million but is subject to adjustment from time to time in accordance with the provisions of the agreement. The agreement expires in 2013 and may be extended at the option of the bank. Fees accrued by the Building Authority in connection with the standby bond purchase agreement totaled \$49,222 for the year ended June 30, 2006.

**Swap payments and associated debt.** Using rates as of June 30, 2006, the debt service requirements of the



variable-rate debt and net swap payments, assuming current interest rates remain the same for their term, were as follows. Aggregate future principal payments of the total University of Massachusetts Building Authority debt for the years ended June 30 are: 2007 - \$21.0 million, 2008 - \$27.2 million, 2009 - \$28.2 million, 2010 - \$29.4 million, 2011 - \$30.7 million, and thereafter, \$529.2 million. As rates vary, variable-rate bond interest payments and net swap payments will vary.

In August 2005, the Building Authority issued its Series 2005-2 bonds in the amount of \$212.6 million. The proceeds refunded the Fifth Series A bonds and partially refunded the Series 2000-1, Series 2000-2, Series 2000-A, Series 2003-1, Series 2004-1 and the Series 2004-A bonds. Total principal refunded by the issue was \$210.2 million. As of June 30, 2006 the bonds payable amount was \$208.1 million.

In connection with the Building Authority's bond refunding undertaken in fiscal year 2006 noted above, the Building Authority recorded a difference between the reacquisition price and the net carrying amount of the old debt of approximately \$42.6 million. This difference is being reported as a reduction from bonds payable and will be amortized as an increase in amortization expense over the original life of the refunded bonds. The refundings reduced the University's debt service payments in future years by approximately \$33.6 million and resulted in an economic gain (the present value of savings) of approximately \$21.6 million.

In prior years, the Building Authority refunded all bonds outstanding issued by the Building Authority prior to May 1, 1984. Accordingly, the Building Authority deposited into trust accounts sufficient funds to provide for all future debt service payments on the refunded bonds. Assets held in trust accounts had an aggregate market value of approximately \$6.9 million and \$8.1 million at June 30, 2006 and 2005, respectively. The outstanding amount of the refunded bonds at June 30, 2006 and 2005 total approximately \$7.7 million and \$8.9 million, respectively.

### **Massachusetts Health and Educational Facilities Authority**

#### *University of Massachusetts Series C*

In June 2002, the University issued \$35.0 million of Massachusetts Health and Educational Facilities Authority (MHEFA) Revenue Bonds, University of Massachusetts Issue, Series C (the "Series C Bonds"). The proceeds from this issuance are being used to fund a portion of the costs associated with the construction of a new student center at the Boston campus. The facility opened in April 2004. The Commonwealth's Division of Capital Asset Management and Maintenance ("DCAMM") managed the project and the Commonwealth has provided additional funds for the project. The Series C Bonds mature October 1, 2034 and the remaining outstanding series bear interest at fixed interest rates ranging from 2.35% to 5.17%. The Series C Bonds were issued at a net discount of approximately \$488,000. Debt covenants include the maintenance of a debt service fund as outlined in the related debt agreement. The University is required to make deposits in this debt service fund on or before the twenty-fifth day of each March and September. Principal payments are made annually and are due on October 1. The Series C Bonds are redeemable prior to maturity beginning on October 1, 2012, at the

option of MHEFA and the University, at 100% of face value, plus accrued interest. The outstanding principal balance on the Series C Bonds is \$33.9 million and \$34.4 million at June 30, 2006 and 2005, respectively.

#### *University of Massachusetts Series B*

In June 2001, the University issued \$12.0 million of Massachusetts Health and Educational Facilities Authority (MHEFA) Revenue Bonds, University of Massachusetts Issue, Series B (the "Series B Bonds"). The proceeds from this issuance were used to fund a portion of the costs associated with the construction of a new student center at the Lowell campus. The facility was opened in September 2002. The Commonwealth's Division of Capital Asset Management and Maintenance (DCAMM) managed the project and the Commonwealth provided additional funds for the project. The Series B Bonds mature on October 1, 2031 and the remaining outstanding series bear interest at fixed interest rates ranging from 4.0% to 5.25%. The Series B Bonds were issued at a net discount of approximately \$127,000. Debt covenants include the maintenance of a debt service fund as outlined in the related debt agreement. The University is required to make deposits in this debt service fund on or before the twenty-fifth day of each March and September. Principal payments are made annually and are due on October 1. The Series B Bonds are redeemable prior to maturity beginning on October 1, 2011, at the option of MHEFA and the University, at 100% of face value, plus accrued interest. At June 30, 2006 and 2005, the outstanding principal balance on the Series B Bonds is \$11.1 million and \$11.4 million, respectively.

#### *University of Massachusetts Series A*

In March 2000, the University issued \$40.0 million of MHEFA Variable Rate Demand Revenue Bonds, University of Massachusetts Issue, Series A (the "Series A Bonds"). The proceeds from this issuance are being used to fund certain projects including the acquisition and implementation of various administrative technology projects at the University. The Series A Bonds mature on November 1, 2030 and bear interest at a variable weekly rate intended to set the market value equal to the principal amount of the Series A Bonds. Average interest rates during fiscal year 2006 and 2005 were approximately 2.93% and 1.8%, respectively. The University is also obligated for certain ongoing administrative costs including letter of credit, remarketing and trustee fees. Debt covenants include the maintenance of a debt service fund as outlined in the related debt agreement. Interest payments are made monthly and due on the first business day of each month. Principal payments of \$40.0 million are due upon maturity. The Series A Bonds were issued at par. At June 30, 2006 and 2005, the outstanding principal balance on Series A Bonds is \$40.0 million.

The Series A Bonds are subject to purchase on the demand of the holder at a price equal to principal plus accrued interest on seven days' notice and delivery to the University's remarketing agent. The remarketing agent is authorized to use its best efforts to sell the repurchased bonds at a price equal to 100% of the principal amount by adjusting the interest rate. Under an irrevocable letter of credit for \$40.6 million, the trustee or remarketing agent is entitled to draw an amount sufficient to pay the purchase price of the bonds delivered to it. The letter of credit extends through March 29, 2009, and carries a variable interest rate equal to the bank rate plus 2% on any unreim-

bursed amounts. The bank rate was 10.25% and 8.0% at June 30, 2006 and 2005, respectively. At June 30, 2006, there are no amounts outstanding under the letter of credit.

Aggregate principal payments on the Series A Bonds, Series B Bonds and Series C Bonds for the years ended June 30 are; 2007 - \$0.8 million, 2008 - \$0.9 million, 2009 - \$0.9 million, 2010 - \$0.9 million, 2011 - \$1.0 million, thereafter - \$80.5 million. At June 30, 2006 and 2005, the estimated fair value of the Series A Bonds, Series B Bonds and Series C Bonds is approximately \$86.3 million and \$88.3 million, respectively.

#### *Worcester City Campus Corporation Series C*

In April 2002, WCCC issued \$70.0 million MHEFA Revenue Bonds (the "WCCC C Bonds"). The proceeds from this issuance are being used to fund the construction of a new pharmaceutical research and production facility. These bonds bear interest at various fixed rates ranging from 4.0% to 5.5% per year and mature October 1, 2031. Debt covenants include the maintenance of a debt service fund as outlined in the debt agreement. The bonds were issued at a net discount of approximately \$251,000. The WCCC C Bonds are redeemable prior to maturity beginning on October 1, 2012, at the option of MHEFA and WCCC, at par plus accrued interest. At June 30, 2006 and 2005, the aggregate principal amount outstanding on the WCCC C Bonds was \$66.3 million and \$67.6 million, respectively.

#### *Worcester City Campus Corporation Series B*

In June 2001, the Foundation transferred ownership of its medical research development facility known as Two Biotech Park to WCCC. In exchange for the building, WCCC assumed from the Foundation the remaining debt of \$17.8 million, net (the "Foundation Bonds"), and received the proceeds of the related debt service funds. Concurrent with the transfer, WCCC issued \$52.0 million of MHEFA Revenue Bonds, WCCC Issue (University of Massachusetts Project), Series B (the "WCCC B Bonds"), with maturities from 2002 to 2031 and various fixed interest rates ranging from 3.75% to 5.25%. The WCCC B Bonds represent a transfer obligation of the University whereby, subject to the terms of the financing agreement, the University will be notified upon WCCC's failure to make any payments required by the trust agreement and the University will promptly transfer any amounts unpaid and due by WCCC under such agreement. WCCC deposited approximately \$19.1 million (\$17.0 million from the proceeds of the WCCC Series B Bonds and \$2.1 million from debt service reserves) in an irrevocable trust fund to provide for the payment of interest and principal on the Foundation Bonds through their redemption date of July 1, 2002. The Foundation Bonds and the funds held in the irrevocable trust fund have been derecognized by WCCC in fiscal year 2002 and the Foundation Bonds were redeemed on July 1, 2002. The remaining approximately \$35.0 million of the WCCC B Bonds are being used to finance the construction of a parking garage and the acquisition and installation of equipment at the Worcester campus. The outstanding balance at June 30, 2006 and 2005 is \$48.7 million and \$49.6 million, respectively.

#### *Worcester City Campus Corporation Series D*

In April 2005, WCCC issued \$99.3 million of MHEFA Revenue Bonds (the "WCCC D Bonds"). WCCC has deposited the proceeds to an irrevocable trust fund to provide for payment of the MHEFA Revenue Bonds, WCCC Issue

(University of Massachusetts Project) Series A (the "WCCC A Bonds" or the "refunded bonds"). The WCCC D bonds bear interest at various fixed rates ranging from 3.00% to 5.25% per year and mature October 1, 2029. The WCCC D Bonds were issued at a premium of \$4.1 million. The WCCC D Bonds represent a transfer obligation of the University whereby, subject to the terms of the financing agreement, the University will be notified upon WCCC's failure to make any payments required by the trust agreement and the University will promptly transfer any amounts unpaid and due by WCCC under such agreement. Assets held in the refunding trust fund had an aggregate market value of approximately \$98.0 million and \$102.2 million at June 30, 2006 and 2005, respectively. The outstanding amount of the refunded bonds totaled approximately \$93.1 million and \$94.9 million at June 30, 2006 and 2005, respectively. The refunding of the bonds resulted in a difference between the reacquisition price and the net carrying amount of the old debt of approximately \$8.9 million. This difference, reported in the accompanying financial statements as a reduction in bonds payable, is being charged to operations over the life of new bonds using the straight-line method. As a result of the defeasance, WCCC will reduce its aggregate debt service payments by approximately \$4.0 million and achieve an economic gain, (the difference between the present value of the old and new debt service payments), of \$3.9 million. The outstanding principal balance on the WCCC Series D Bonds at June 30, 2006 and 2005 is \$99.3 million, respectively.

The WCCC A Bonds were issued by WCCC, in March 2000, for \$100.0 million. The proceeds from this issuance were used to fund the construction of the Lazare Research Building on the Worcester Medical School campus of the University. The WCCC A Bonds have been legally defeased. Accordingly, the WCCC A Bonds and the irrevocable trust have been derecognized by WCCC.

Aggregate principal payments on the WCCC B Bonds, WCCC C Bonds and WCCC D Bonds for the years ended June 30 are; 2007 - \$3.4 million, 2008 - \$4.9 million, 2009 - \$5.0 million, 2010 - \$5.3 million, 2011 - \$5.5 million, thereafter \$190.3 million. At June 30, 2006 and 2005, the fair value of the WCCC B Bonds, WCCC C Bonds and WCCC D Bonds is approximately \$222.0 million and \$245.0 million, respectively.

#### Pledged Revenues

WCCC is obligated under the terms of indebtedness to make debt service payments from revenues received from certain facility leases. Total applicable pledged revenues were \$15.9 million for both 2006 and 2005.

Pursuant to the projects administered by the University of Massachusetts Building Authority, the Authority sets fees, rents, rates and other charges for the use of the projects in an amount for each fiscal year that produces revenues in excess of the amounts needed in such fiscal year for debt service on the related bonds, required contributions to the related Section 10 Reserve Fund, expenses for the Bond trustee and any escrow agent. Such excess revenues are held by the University for the account of and on behalf of the Authority. Total applicable pledged revenues were \$43.8 million for 2006 and \$38.9 million for 2005.

Notes to Financial Statements (continued)

**9. LEASES**

The University leases certain equipment and facilities under operating leases with terms exceeding one year, which are cancelable at the University's option with 30 days

notice. The rent expense related to these operating leases amounted to approximately \$11.5 million and \$10.3 million for the years ended June 30, 2006 and 2005, respectively. The master leases primarily consist of telecommunications, software, and co-generation systems.

The following are a schedule of future minimum payments under capital and non-cancelable operating leases and a schedule of principal and interest payments on capital lease obligations for the next five years and in subsequent five-year periods for the University as of June 30, 2006 (in thousands):

Year	University Capital Leases				June 30, 2006	University Capital Leases	
	Master Leases	Other Leases	Total	Operating Leases		Year	Principal
2007	\$13,395	\$1,230	\$14,625	\$10,399	2007	\$12,238	\$2,379
2008	13,395	748	14,143	9,662	2008	12,234	1,918
2009	9,388	630	10,018	9,114	2009	8,129	1,479
2010	9,388	387	9,775	8,793	2010	8,188	1,173
2011	8,623	51	8,674	5,933	2011	6,472	843
2012-2016	18,488		18,488	15,323	2012-2016	19,356	1,314
Total payments	72,677	3,046	75,723	\$59,224	Total Payments	\$66,617	\$9,106
Less: amount representing interest	(8,803)	(303)	(9,106)				
Present value of minimum lease payments	\$63,874	\$2,743	\$66,617				

**10. CAPITAL LEASES AND OTHER LONG-TERM LIABILITIES**

During the year ended June 30, 2006 the following changes occurred in long-term liabilities as recorded in the statement of net assets (in thousands):

	Beginning Balance	Additions/ Adjustments	Reductions/ Adjustments	Ending Balance
<b>University:</b>				
Capital lease obligations	\$65,825	\$805	(\$12,251)	\$54,379
Compensated absences	25,163		(2,933)	22,230
Workers' compensation	11,224	1,513		12,737
Deferred revenues and credits	12,019	8,848	(8,571)	12,296
Advances and deposits	29,771	94	(1,215)	28,650
Other Liabilities	665		(95)	570
<b>University Related Organization:</b>				
Other Liabilities	\$2,588	\$326		\$2,914

During the year ended June 30, 2005 the following changes occurred in long-term liabilities as recorded in the statement of net assets (in thousands):

	Beginning Balance	Additions/ Adjustments	Reductions/ Adjustments	Ending Balance
<b>University:</b>				
Capital lease obligations	\$36,426	\$43,002	(\$13,603)	\$65,825
Compensated absences	24,721	2,512	(2,070)	25,163
Workers' compensation	11,069	155		11,224
Deferred revenues and credits	10,607	11,113	(9,701)	12,019
Advances and deposits	31,251	84	(1,564)	29,771
Other Liabilities		665		665
<b>University Related Organization:</b>				
Due To Related Organizations	\$409		(\$409)	
Other Liabilities	2,873	\$108	(393)	\$2,588



## 11. FRINGE BENEFITS

Expenditures for the years ended June 30, 2006 and 2005 include \$186.2 million and \$175.4 million, respectively, for the employer portion of fringe benefit costs (pension expense, health insurance for active employees and retirees, and unemployment) that was paid directly by the Commonwealth of Massachusetts. Of this amount, \$62.3 million for 2006 and \$60.1 million for 2005 was reimbursed to the Commonwealth and \$123.9 million and \$115.3 million respectively is included in revenue as state appropriations.

At June 30, 2006 and 2005, the University has accrued as a component of other liabilities, approximately \$7.6 million and \$4.6 million, respectively related to fringe benefits and post retirement health benefits associated with the Worcester Medical School campus (see Note 1).

The University has recorded a liability for future expected costs of its Workers' Compensation claims of approximately \$16.2 million as of June 30, 2006 and \$13.7 million as of June 30, 2005. Estimated future payments related to such costs have been discounted at a rate of 6% in computing such liability.

## 12. MEDICAL SCHOOL LEARNING CONTRACTS

The University's Medical School enters into learning contracts with certain medical students. These contracts give students the option of deferring a portion of their tuition until after residency training, and canceling all or a portion of their tuition if they practice medicine in the Commonwealth for one year, or for students matriculating after 1990, two or four (depending on conditions) full years in primary care. The University does not record as revenue the portion of tuition deferred under these learning contracts until actual cash repayments are received. The cumulative amount granted under such learning contracts plus accrued interest totaled \$50.2 million and \$48.2 million at June 30, 2006 and 2005, respectively. Cumulative repayments totaled approximately \$31.2 million and \$28.5 million as of June 30, 2006 and 2005, respectively.

## 13. RETIREMENT PLANS

The Commonwealth of Massachusetts is statutorily responsible for the pension benefit of University employees who participate in the State Employees' Retirement System (SERS). SERS, a single employer defined benefit public employee retirement system, is administered by the Commonwealth and covers substantially all non-student employees. The University makes contributions on behalf of the employees through a fringe benefit charge assessed by the Commonwealth. Such pension expense amounted to approximately \$41.5 million and \$51.9 million for the years ended June 30, 2006 and 2005, respectively. The annuity portion of the SERS is funded by employees, who contribute a percentage of their regular compensation. Annual covered payroll approximated 76.7% and 75.9% for the years ended June 30, 2006 and 2005, respectively of annual total payroll for the University. Non-vested faculty and certain other employees of the University can opt out of SERS and participate in a defined contribution plan, the Massachusetts Optional Retirement Plan (ORP). At June 30, 2006 and 2005, there were approximately 1,604 and 1,465 University employees, respectively participating in ORP. The Commonwealth matches 5% of ORP contributions. SERS issues a stand-alone financial statement that can be obtained from the Commonwealth.

The University of Massachusetts Foundation, Inc. has a defined contribution plan (the "Plan") for eligible employees through the Teachers Insurance and Annuity Association (TIAA) and College Retirement Equity Fund (CREF) retirement programs. The Plan is designed, and contributions are made, in accordance with the provisions of 403(b) of the Internal Revenue Code. Eligibility begins immediately and the Foundation contribution, based upon a percentage of salaries, was approximately \$14,000 and \$23,000 for the years ended June 30, 2006 and 2005, respectively. The Foundation has no liability for benefits paid under the Plan.

## 14. CONCENTRATION OF CREDIT RISK

The financial instrument that potentially subjects the University to concentrations of credit risk is the receivable from UMass Memorial which is uncollateralized. The receivable from UMass Memorial represents 33% and 7% of total accounts receivable for the University at June 30, 2006 and 2005, respectively.

## 15. COMMITMENTS AND CONTINGENCIES

The Building Authority, University, and WCCC have outstanding purchase commitments under construction contracts in amounts aggregating approximately \$138.6 million and \$16.9 million at June 30, 2006 and 2005, respectively.

The University is a defendant in various lawsuits and is subject to various contractual matters; however, University management is of the opinion that the ultimate outcome of all litigation or potential contractual obligations will not have a material effect on the financial position, financial results or cash flows of the University.

## 16. SEGMENT INFORMATION

A segment is an identifiable activity reported as a stand-alone entity for which one or more revenue bonds are outstanding. A segment has a specific identifiable revenue stream pledged in support of revenue bonds and has related expenses, gains and losses, assets, and liabilities that are required by an external party to be accounted for separately. The University has two segments that meet the reporting requirements under GASB 35.

The Worcester City Campus Corporation is organized to receive, take title to, hold, manage, develop, improve, demolish, renovate, lease for terms up to 99 years, or otherwise transfer, convey, or deal with any real or personal property conveyed to it including, without limitation, real and personal property utilized at or in connection with the operations of the University. WCCC outstanding revenue bonds were issued pursuant to specific bond indentures which provide that the revenue bonds are to be paid by certain revenues that are pledged to pay debt service.

## Notes to Financial Statements (continued)

The following summary financial information for WCCC is presented before elimination of certain intra-University transactions:

### Statement of Net Assets at June 30:

	2006	2005
<b>Assets</b>		
Current Assets	\$48,444	\$31,991
Noncurrent Assets	265,755	262,969
Total Assets	314,199	294,960
<b>Liabilities</b>		
Current Liabilities	13,307	20,736
Noncurrent Liabilities	205,357	208,858
Total Liabilities	218,664	229,594
<b>Net Assets</b>	<u>\$95,535</u>	<u>\$65,366</u>

### Statement of Revenues, Expenses and Changes in Net Assets for the year ended June 30:

	2006	2005
Operating Revenues	\$25,790	\$23,554
Operating Expenses	15,233	12,639
Operating Income	10,557	10,915
Increase in Net Assets	\$30,169	\$3,352
Beginning Net Assets	65,366	62,014
Ending Net Assets	<u>\$95,535</u>	<u>\$65,366</u>

### Statement of Cash Flows for the year ended June 30:

	2006	2005
Net Cash Provided by Operating Activities	\$39,507	\$10,915
Net Cash Provided by/(Used in) Noncapital Financing Activities	62	70
Net Cash Used in Investing Activities	(42,304)	(56,053)
Net Decrease in Cash and Cash Equivalents	(2,735)	(45,068)
Beginning Cash and Cash Equivalents	2,754	47,822
Ending Cash and Cash Equivalents	<u>\$19</u>	<u>\$2,754</u>

The University of Massachusetts Building Authority is empowered to acquire, construct, remove, demolish, add to, alter, enlarge, reconstruct and do other work upon any building or structure and to provide and install furnishings, furniture, machinery, equipment, approaches, driveways, walkways, parking areas, planting, landscaping and other facilities therein. The Building Authority's Enabling Act authorizes it to acquire property from the Commonwealth or others (but the Building Authority has no eminent domain power), to rent or lease as lessor or lessee any portion of a project, to operate projects, to employ experts and other persons and to enter into contracts. In addition, the Enabling Act authorizes the Building Authority to borrow money to finance and refinance projects it undertakes, and to issue and sell its revenue bonds and notes therefore which are payable solely from its revenues.

The following summary financial information for the Building Authority is presented before elimination of certain intra-University transactions:

### Statement of Net Assets at June 30:

	2006	2005
<b>Assets</b>		
Current Assets	\$30,788	\$13,127
Noncurrent Assets	799,377	774,740
Total Assets	830,165	787,867
<b>Liabilities</b>		
Current Liabilities	72,086	35,567
Noncurrent Liabilities	627,696	635,321
Total Liabilities	699,782	670,888
<b>Net Assets</b>	<u>\$130,383</u>	<u>\$116,979</u>

### Statement of Revenues, Expenses and Changes in Net Assets for the year ended June 30:

	2006	2005
Operating Revenues	\$49,878	\$54,546
Operating Expenses	24,025	36,864
Operating Income	25,853	17,682
Increase in Net Assets	\$13,404	\$13,300
Beginning Net Assets	116,979	103,679
Ending Net Assets	<u>\$130,383</u>	<u>\$116,979</u>

### Statement of Cash Flows for the year ended June 30:

	2006	2005
Net Cash Provided by Operating Activities	\$34,890	\$29,624
Net Cash Provided by/(Used in) Noncapital Financing Activities	116,042	88,167
Net Cash Used in Investing Activities	(135,288)	(130,236)
Net (Decrease)/Increase in Cash and Cash Equivalents	15,644	(12,445)
Beginning Cash and Cash Equivalents	22,596	35,041
Ending Cash and Cash Equivalents	<u>\$38,240</u>	<u>\$22,596</u>

## 17. SUBSEQUENT EVENTS

On July 19, 2006, the Boston campus closed the interior parking facilities that were part of the substructure of the original campus buildings constructed in 1974. While regular inspections and reports had indicated that the facility was structurally sound, the campus determined that the loss of parking spaces, the continual rerouting of pedestrian and vehicular traffic, and the associated costs no longer made it a viable parking option.

The campus has worked to respond to the deterioration of the substructure since the late 1980's. Over the last year in particular, the deterioration has outpaced those efforts and the available funding. A recent study by the engineering firm Simpson, Gumpertz and Heger indicates that rehabilitating the substructure would cost in excess of \$160.0 million and would not be feasible. Instead a stabilization project, currently estimated at \$25.0 million, has been proposed for the long term preservation of the structural foundation. The financial impact of the closure and associated costs of preparing alternate parking options are not reflected in the FY 2006 financial results.

## Supplemental Financial Information

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## Report of Independent Auditors on Supplemental Information



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**PricewaterhouseCoopers LLP**  
125 High Street  
Boston MA 02110  
Telephone (617) 530 5000  
Facsimile (617) 530 5001

### **Report of Independent Auditors on Supplemental Information**

To the Board of Trustees of the  
University of Massachusetts:

The report on our audits of the financial statements of the University of Massachusetts as of June 30, 2006 and 2005 and for the years then ended, which references the work of other auditors, appears in this document. Those audits were conducted for the purpose of forming an opinion on the financial statements taken as a whole. The supplemental information listed on the accompanying index is presented for purposes of additional analysis only and is not a required part of the financial statements. Such information has been subjected to the auditing procedures applied in the audit of the financial statements and, in our opinion, is fairly stated in all material respects in relation to the financial statements taken as a whole.

*PricewaterhouseCoopers LLP*

November 8, 2006



University of Massachusetts  
Combining Statements of Net Assets for University Related Organizations  
as of June 30, 2006 and 2005  
(in thousands of dollars)

Supplemental Schedule I

	University of Massachusetts Dartmouth Foundation, Inc.				University of Massachusetts Dartmouth Foundation, Inc.			
	Total June 30, 2006	Eliminations and Adjustments June 30, 2006	The University of Massachusetts Foundation, Inc. June 30, 2006	June 30, 2006	Total June 30, 2005	Eliminations and Adjustments June 30, 2005	The University of Massachusetts Foundation, Inc. June 30, 2005	June 30, 2005
<b>ASSETS</b>								
<b>Current Assets</b>								
Accounts, Grants and Loans Receivable	\$22		\$22		\$92		\$92	
Pledges Receivable	2,965	(\$1,833)	4,084	\$714	2,624	(\$1,664)	3,970	\$318
Due From Related Organizations	1,607	1,119		488	2,971	1,346	1,322	303
Other Assets					29			29
<b>Total Current Assets</b>	<b>4,594</b>	<b>(714)</b>	<b>4,106</b>	<b>1,202</b>	<b>5,716</b>	<b>(318)</b>	<b>5,384</b>	<b>650</b>
<b>Noncurrent Assets</b>								
Cash and Cash Equivalents	2,836			2,836	3,219			3,219
Accounts, Grants and Loans Receivable								
Pledges Receivable	11,837	(13,601)	24,304	1,134	14,615	(15,834)	29,836	613
Investments	234,809	(54,619)	270,128	19,300	200,985	(50,650)	234,957	16,678
Other Assets	43			43	41			41
Investment In Plant Net of Accumulated Depreciation	1,003		1,003		1,006		1,006	
<b>Total Noncurrent Assets</b>	<b>250,528</b>	<b>(68,220)</b>	<b>295,435</b>	<b>23,313</b>	<b>219,866</b>	<b>(66,484)</b>	<b>265,799</b>	<b>20,551</b>
<b>Total Assets</b>	<b>\$255,122</b>	<b>(\$68,934)</b>	<b>\$299,541</b>	<b>\$24,515</b>	<b>\$225,582</b>	<b>(\$66,802)</b>	<b>\$271,183</b>	<b>\$21,201</b>
<b>LIABILITIES</b>								
<b>Current Liabilities</b>								
Accounts Payable	\$1,754		\$1,718	\$36	\$184		\$111	\$73
Accrued Interest Payable					15		15	
Notes Payable						(\$409)	409	
Due To Related Organizations	388	(\$114)		502	1,048	301		747
Assets Held on Behalf of the University		(39,810)	39,810			(37,592)	37,592	
Deferred Revenues and Credits	3,994		3,994		6,052		6,052	
<b>Total Current Liabilities</b>	<b>6,136</b>	<b>(39,924)</b>	<b>45,522</b>	<b>538</b>	<b>7,299</b>	<b>(37,700)</b>	<b>44,179</b>	<b>820</b>
<b>Noncurrent Liabilities</b>								
Due To Related Organizations								
Other Liabilities	2,914	114	2,680	120	2,588	108	2,360	120
<b>Total Noncurrent Liabilities</b>	<b>2,914</b>	<b>114</b>	<b>2,680</b>	<b>120</b>	<b>2,588</b>	<b>108</b>	<b>2,360</b>	<b>120</b>
<b>Total Liabilities</b>	<b>\$9,050</b>	<b>(\$39,810)</b>	<b>\$48,202</b>	<b>\$658</b>	<b>\$9,887</b>	<b>(\$37,592)</b>	<b>\$46,539</b>	<b>\$940</b>
<b>Net Assets:</b>								
Invested in Capital Assets Net of Related Debt	\$1,003	\$1,003			\$597	\$597		
Restricted								
Nonexpendable	178,692	(29,124)	\$187,001	\$20,815	161,178	(29,210)	\$172,121	\$18,267
Expendable	61,091		58,272	2,819	49,334		47,355	1,979
Unrestricted	5,286	(1,003)	6,066	223	4,586	(597)	5,168	15
<b>Total Net Assets</b>	<b>\$246,072</b>	<b>(\$29,124)</b>	<b>\$251,339</b>	<b>\$23,857</b>	<b>\$215,695</b>	<b>(\$29,210)</b>	<b>\$224,644</b>	<b>\$20,261</b>

University of Massachusetts  
Combining Statements of Net Assets for University Related Organizations  
as of June 30, 2006 and 2005  
(in thousands of dollars)

Supplemental Schedule II

	Eliminations and Adjustments		University of Massachusetts Foundation, Inc.		Eliminations and Adjustments		University of Massachusetts Foundation, Inc.	
	Total June 30, 2006	June 30, 2006	June 30, 2006	June 30, 2006	Total June 30, 2005	June 30, 2005	June 30, 2005	June 30, 2005
<b>EXPENSES</b>								
<b>Operating Expenses</b>								
<i>Educational and General</i>								
Public Service	\$12,853	(\$2,024)	\$13,384	\$1,493	\$10,891	(\$981)	\$10,380	\$1,493
Depreciation	16		16		16		16	
Scholarships and Fellowships	4,070	(326)	4,082	314	2,784	(248)	2,930	1,071
<b>Total Operating Expenses</b>	<b>16,939</b>	<b>(2,350)</b>	<b>17,482</b>	<b>1,807</b>	<b>13,691</b>	<b>(1,229)</b>	<b>13,326</b>	<b>1,591</b>
<b>Operating Income/(Loss)</b>	<b>(16,939)</b>	<b>2,350</b>	<b>(17,482)</b>	<b>(1,807)</b>	<b>(13,691)</b>	<b>1,229</b>	<b>(13,326)</b>	<b>(1,591)</b>
<b>NONOPERATING REVENUES/(EXPENSES)</b>								
Gifts	11,238	(1,907)	11,900	1,245	9,323	(3,651)	12,153	821
Investment Income	11,871	(3,246)	13,506	1,611	8,477	(2,425)	9,827	1,071
Endowment Income	5,743	(1,320)	7,063		4,068	(1,030)	5,098	
Interest on Indebtedness	(8)		(8)		(38)		(38)	
<b>Net Nonoperating Revenues</b>	<b>28,844</b>	<b>(6,473)</b>	<b>32,461</b>	<b>2,856</b>	<b>21,830</b>	<b>(7,106)</b>	<b>27,040</b>	<b>1,891</b>
<b>Income/(Loss) Before Other Revenues, Expenses, Gains, and Losses</b>	<b>11,905</b>	<b>(4,123)</b>	<b>14,979</b>	<b>1,049</b>	<b>8,139</b>	<b>(5,877)</b>	<b>13,714</b>	<b>3,011</b>
Additions to Permanent Endowments	14,401	2,752	9,102	2,547	16,312	(4,876)	17,672	3,511
University Related Organization Transactions	(593)	(593)						
Less: Amounts Earned/Received on Behalf of the University		5,767	(5,767)			8,415	(8,415)	
Less: Amounts Paid on Behalf of the University		(3,549)	3,549			396	(396)	
Other Additions/Deductions	4,664	(168)	4,832		(355)	(6,325)	5,970	
<b>Total Other Revenues, Expenses, Gains, and Losses</b>	<b>18,472</b>	<b>4,209</b>	<b>11,716</b>	<b>2,547</b>	<b>15,957</b>	<b>(2,390)</b>	<b>14,831</b>	<b>3,511</b>
<b>Total Increase in Net Assets</b>	<b>30,377</b>	<b>86</b>	<b>26,695</b>	<b>3,596</b>	<b>24,096</b>	<b>(8,267)</b>	<b>28,545</b>	<b>3,811</b>
<b>NET ASSETS</b>								
Net Assets at Beginning of Year	215,695	(29,210)	224,644	20,261	191,599	(20,943)	196,099	16,441
<b>Net Assets at End of Year</b>	<b>\$246,072</b>	<b>(\$29,124)</b>	<b>\$251,339</b>	<b>\$23,857</b>	<b>\$215,695</b>	<b>(\$29,210)</b>	<b>\$224,644</b>	<b>\$20,261</b>



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# ***University of Massachusetts***

## ***Summary***

### ***FY 2006 Financial Ratios System Analysis and FY 2007-2012 Financial Indicators Projections Report***

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***Presentation***

**Committee on Administration & Finance**

**May 30, 2007**

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# Financial Indicators

- Encourage the setting of financial targets to manage against for success
  - Identify performance against peers for benchmarking
  - Provide an objective position of financial condition
  - Measure Short and Long-Term Financial Health
  - Combine historic experience & projections for the future
  - Reflect University-wide & campus expectations and priorities, strategic plans and financial goals
  - Incorporated into University Performance Measurement System (UPMS)
  - Show anticipated impact of key revenue & expenditure items:
    - State appropriation
    - Student fees & Enrollments
    - Inflation
    - Energy costs
    - Capital Plan & Debt
    - Administrative Systems Projects
    - Corporate, On-Line & Continuing Ed.
    - Research & Public Service Activity
-

The following "Q&A" was developed by the University Controller's Office and describes the methods utilized by the University to measure its fiscal strength. On an annual basis these indicators are developed flowing from the audited financial statements of the University. They provide a way of measuring year-to-year trends, relative levels of fiscal strength akin to those utilized by bond rating agencies and comparisons of the relative fiscal strength of the University to other similar public universities and campuses (peers). Each year, the University Controllers Office reviews the audited fiscal year results for the University as a whole against a set of system peers and industry benchmarks.

In addition, the campuses are required to make projections for each of these indicators out five years (FY2007-FY2012) following a set of planning guidelines and assumptions provided by the President's Office. These projections are more fluid than the audited results noted above and incorporate the most up to date understanding of the financial environment and strategic planning of the campuses. The following ***FY2006 Financial Ratios System Analysis and FY 2007-2012 Financial Indicators Projections Report*** was developed by the University Controller's Office and the University Budget Office and campus management.

**1. What are financial indicators?**

Financial indicators are ratios that are designed to provide an indication of the financial health and stability of an institution. Some ratios focus on short-term financial conditions, others on long-term issues.

**2. How are financial indicators used?**

Financial indicators are a useful management and planning tool. They provide a benchmark for day-to-day and long term financial performance as well as information about the potential impact of actions under consideration. In addition, they may be used to set a target for future performance against which actual results can be measured.

Financial indicators are also used by bond rating agencies to assess the financial health of institutions that seek to borrow funds. The University's indicators will therefore have a direct impact on the interest rates we pay for capital projects.

**3. What are the University's financial indicators and what do they tell us?**

In 1995, the University selected five financial indicators to use in measuring financial performance. Each indicator provides a different perspective on our overall financial condition. Taken together, these indicators assist in evaluating various aspects of our financial health. These indicators are most helpful when evaluated over a number of years, as longer term trends provide a better indicator of financial health than snapshots of any given year.

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**Return on Net Assets Ratio** (Increase/decrease in Net Assets divided by Total Net Assets at beginning of the Year)

This measure replaces the operating margin as one of the five University Performance Measurement System (UPMS) indicators because it provides a more comprehensive measure of the growth or decline in total University wealth. This measure is best viewed over a longer period of time however it still helps to show if an institution is better off at the end of the fiscal year than at the beginning. A decline in this ratio may be appropriate if it reflects a strategy to fulfill mission such as investing in capital improvements.

**Financial Cushion** (Total unrestricted net assets divided by total operating expenditures)

The financial cushion reflects the long-term financial health of an institution and its ability to weather, or "cushion" itself from, short-term operational ups and downs.

In simplest terms, ***this indicator compares our reserves to our annual operating expenditures plus interest payments on our debt.*** The cumulative effect of operations is only one part of the reserve. The unspent capital funds (that came from excess operations in prior years or the current year) are always available to be returned to the general operating fund, and therefore are also characterized as part of the reserve. The same is true for the quasi-endowment principal. The point is that UNSPENT general operating dollars never lose their distinction of "available" no matter where we have "parked" them.

State appropriations, by definition, cannot generate a surplus or a deficit. Therefore, a large portion (23%) of our revenue cannot contribute to the financial cushion directly.

**Debt Service to Operations** (Debt service payments {interest and principle} as % of total operating expenditures)

The debt ratio measures the demand that annual commitments to creditors places on an institution's operating commitments.

This indicator simply tells us how much of the annual operating budget must be set aside for long-term debt payments. It is extremely important to creditors who are planning to lend UMASS money, or to purchase UMASS bonds. The bond rating agencies believe that committing more than 10% of current revenues annually for payments to bond holders or other creditors is very risky for creditors. From the University's perspective, a high debt service to operations ratio could impact the interest rate that the University pays for its long-term debt and reduce the availability of funds for other priorities.

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**Endowment Per Student (True and quasi-endowment per FTE student)**

This ratio provides another measure of the long-term financial health of the institution. It reflects a base from which earnings can contribute to current operations.

**Private Funds Raised Annually:** Includes restricted and unrestricted income from individuals, foundations, corporations, and other organizations. These amounts include private grant revenues, but not private contract revenues. Total for each year include cash (not in-kind) and asset additions made in that year.

**In addition to the UPMS indicators each campus has prepared an analysis of the following additional Financial Indicators for this report:**

**Operating Margin:** Total operating revenues (including state and federal appropriations, gifts, and investment income) less total operating expenditures (including interest expense) divided by total operating revenues.

**Composite Financial Index (CFI):** The Composite Financial Index (CFI) methodology generates a single overall view of an institution's financial health. The CFI provides a balanced measure of institutional strengths and weaknesses based on the strategic goals and financial objectives of the organization. The CFI approach for UMASS could be generated by combining the results of four core ratios: the Primary Reserve Ratio, the Debt Burden Ratio, the Return on Net Assets Ratio, and the Net Operating Revenues Ratio.

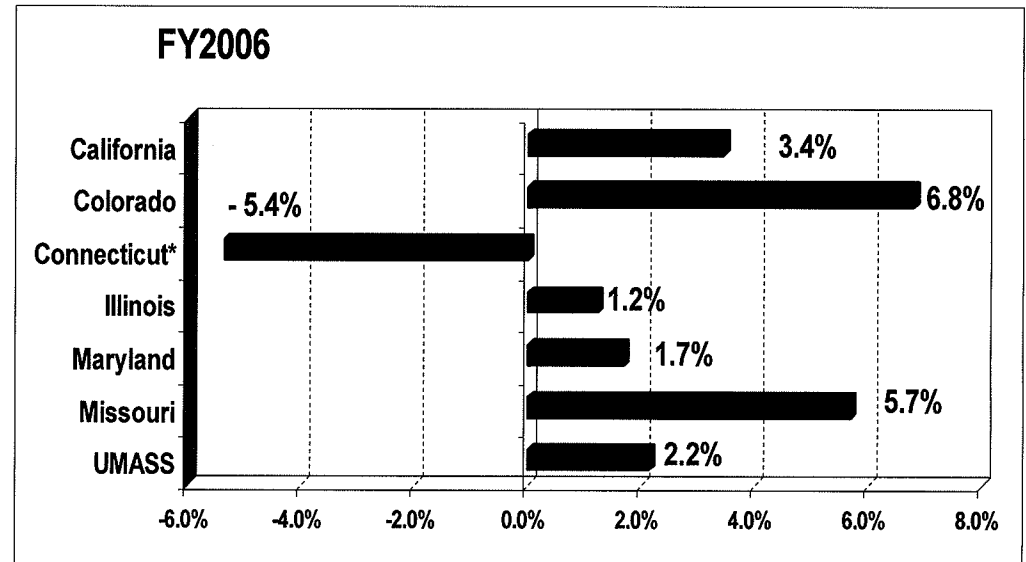
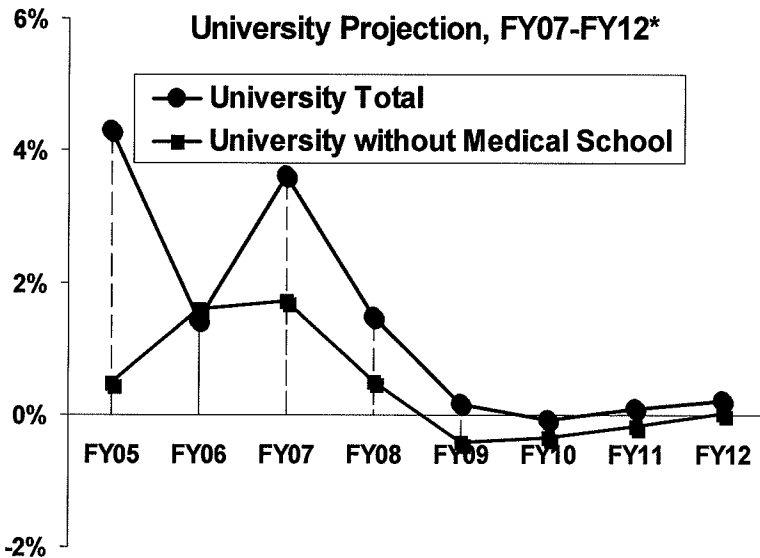
**Total Deferred Maintenance (DM) Cost & Deferred Maintenance Cost (DM) per Square Foot of Space:**

The Age of Facilities indicator has been replaced by these new indicators in the Financial Indicators and UPMS reports. These new indicators better reflect the condition of campus facilities and are based on work being done with the facilities asset advisory firm *Sightlines* utilizing their *The Return on Physical Assets (ROPA sm)* methodology.

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

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

# Operating Margin



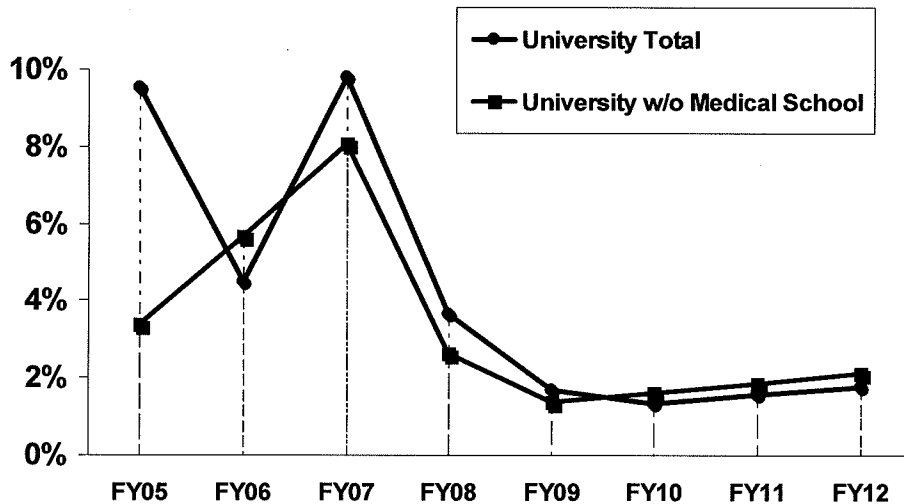
Operating Margin	Amherst	Boston	Dartmouth	Lowell	Worcester	UMASS Total
FY2006 Actual	4.1%	-1.0%	0.4%	-3.5%	1.1%	2.2%
Peer Average	-1.4%	-4.0%	2.7%	0.9%	N/A	
<b>5-Campus Total</b>						
FY2007 Anticipated	3.1%	0.1%	1.6%	-1.6%	6.9%	3.6%
FY2012 Projection	-0.8%	0.1%	1.9%	1.4%	0.6%	0.2%

\*Projections do not include estimates for Central Administration or Related Organizations

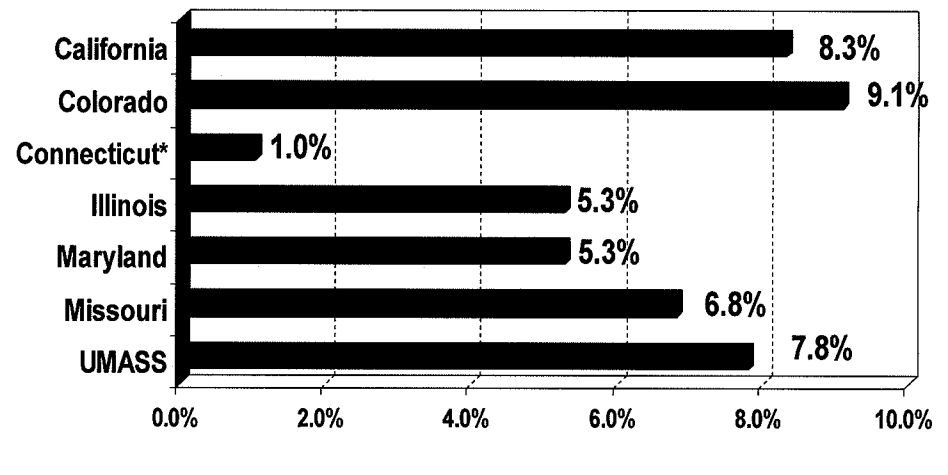


# Return on Net Assets

University Projection, FY07-FY12\*



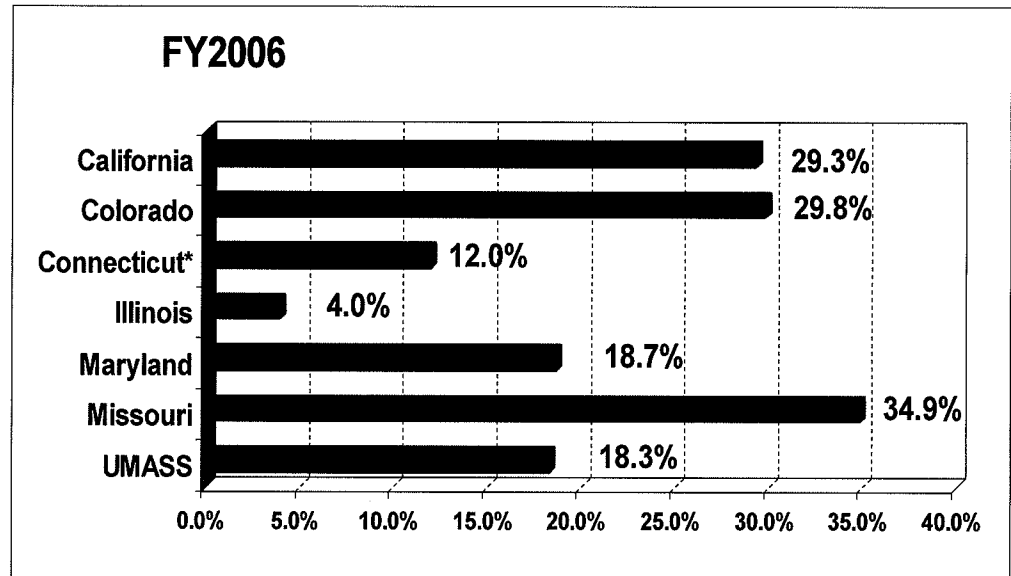
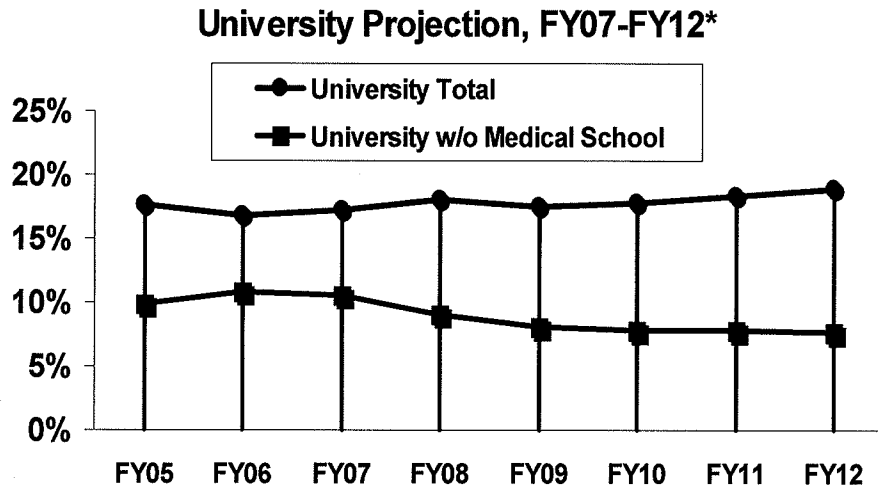
FY2006



Return on Net Assets	Amherst	Boston	Dartmouth	Lowell	Worcester	UMASS Total
FY2006 Actual	8.4%	0.5%	6.6%	-1.9%	2.4%	7.8%
Peer Average	3.1%	3.0%	3.7%	6.7%	N/A	
<b>5-Campus Total</b>						
FY2007 Anticipated	10.9%	4.5%	5.7%	-2.3%	12.9%	9.8%
FY2012 Projection	1.1%	1.6%	6.9%	6.1%	1.2%	1.8%

\*Projections do not include estimates for Central Administration or Related Organizations

# Financial Cushion

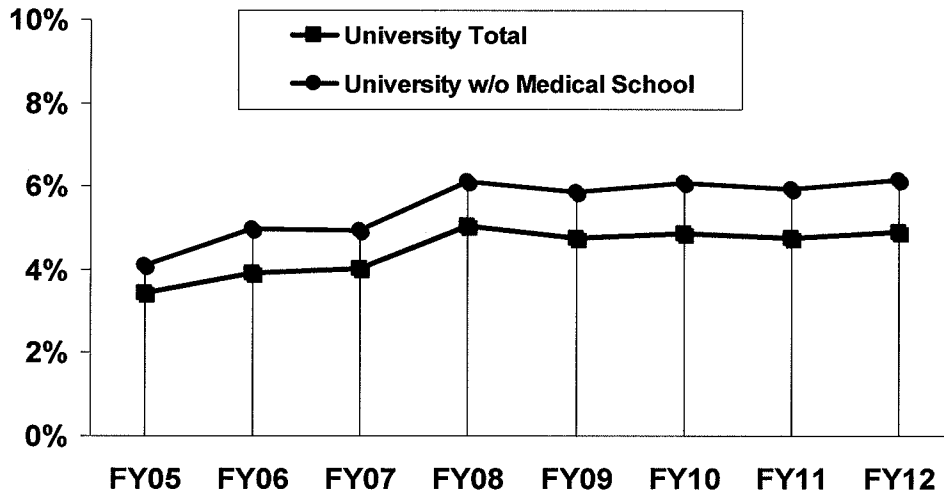


Financial Cushion	Amherst	Boston	Dartmouth	Lowell	Worcester	UMASS Total
FY2006 Actual	16.7%	6.5%	-1.2%	4.8%	27.8%	18.3%
Peer Average	22.2%	14.0%	6.2%	15.3%	N/A	
	<b>5-Campus Total</b>					
FY2007 Anticipated	16.0%	7.3%	-0.6%	3.5%	29.2%	17.2%
FY2012 Projection	9.8%	6.6%	2.0%	5.6%	42.0%	18.9%

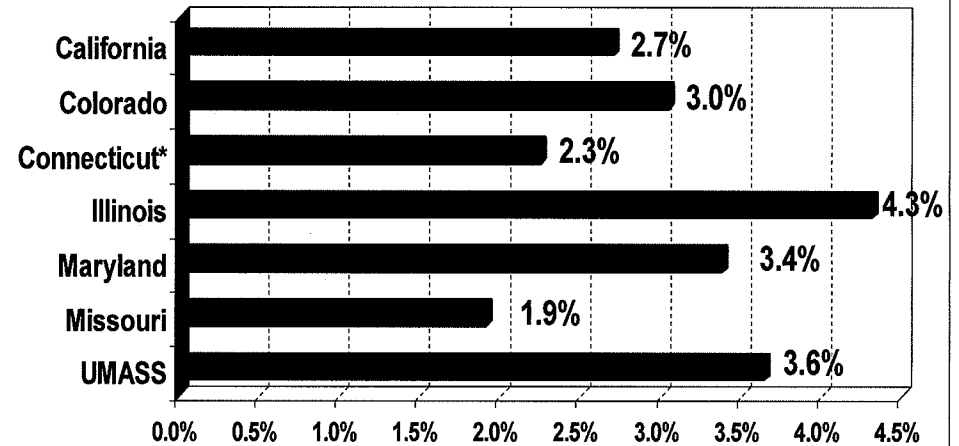
\*Projections do not include estimates for Central Administration or Related Organizations

# Debt Service to Operations

University Projection, FY07- FY12\*



FY2006

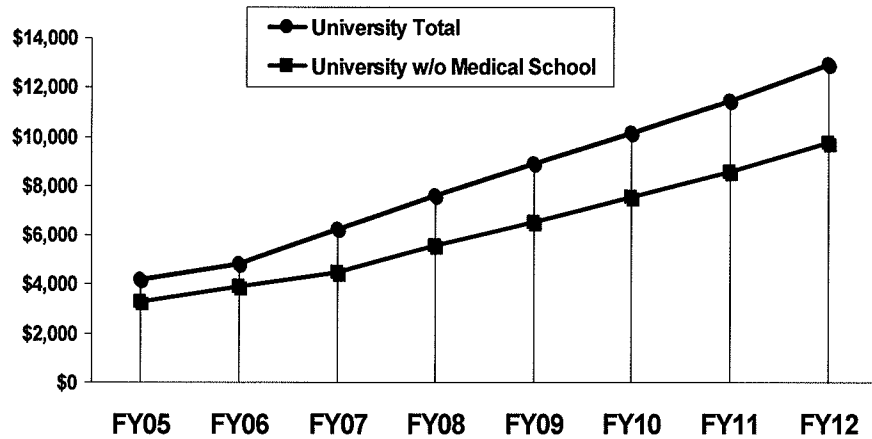


Debt Ratio	Amherst	Boston	Dartmouth	Lowell	Worcester	UMASS Total
FY2006 Actual	4.8%	5.5%	7.0%	3.3%	2.0%	3.6%
Peer Average	5.0%	3.0%	4.1%	2.6%	N/A	
						<b>5-Campus Total</b>
FY2007 Anticipated	4.8%	5.4%	6.1%	4.2%	2.3%	4.0%
FY2012 Projection	7.4%	4.5%	6.0%	3.8%	2.3%	4.9%

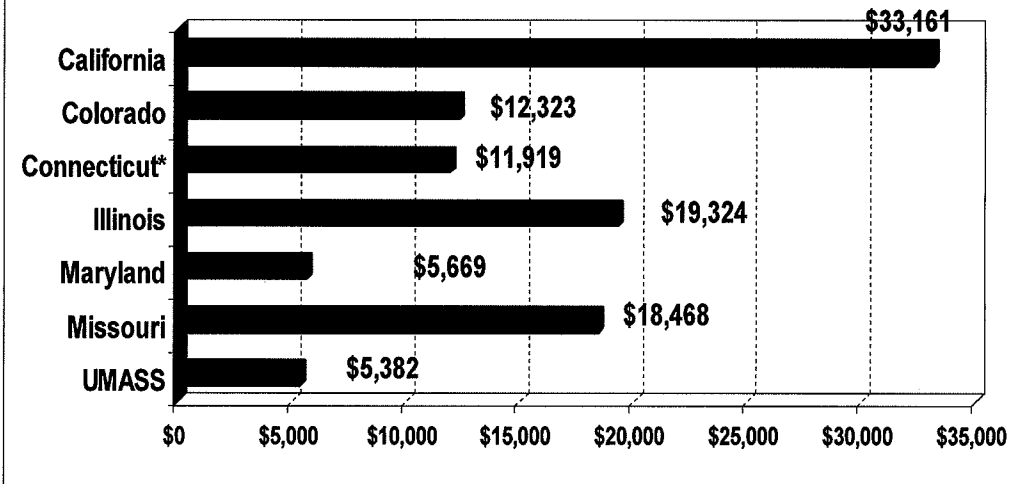
\*Projections do not include estimates for Central Administration or Related Organizations

# Endowment per Student

University Projection, FY07-FY12\*



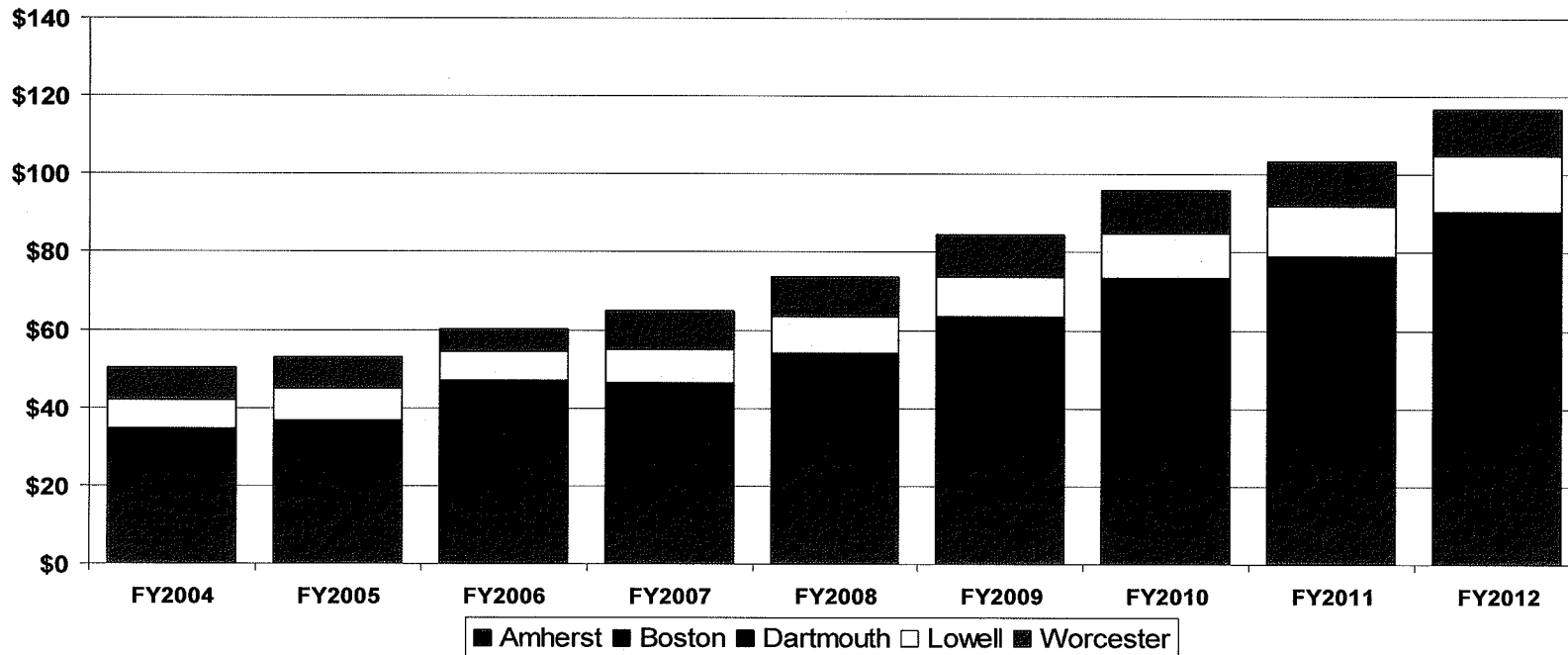
FY2006



Endowment per Student	Amherst	Boston	Dartmouth	Lowell	Worcester	UMASS Total
FY2006 Actual	\$5,256	\$2,555	\$2,746	\$3,071	\$49,617	\$5,382
Peer Average	\$16,831	\$14,015	\$3,715	\$6,066	N/A	
	<b>5-Campus Total</b>					
FY2007 Anticipated	\$6,341	\$2,638	\$2,816	\$3,400	\$88,598	\$6,238
FY2012 Projection	\$17,184	\$3,511	\$3,890	\$5,108	\$166,535	\$12,907
<b>FY2007 to 2012 Projected Average Annual Growth in Endowment</b>	<b>22%</b>	<b>8%</b>	<b>9%</b>	<b>11%</b>	<b>14%</b>	<b>17%</b>

\*Projections do not include estimates for Central Administration or Related Organizations

# Private Funds Raised Annually



<b>Private Funds Raised Annually</b>						
<i>(in thousands)</i>						
	Amherst	Boston	Dartmouth	Lowell	Worcester	5-Campus Total
<b>FY2006 Actual</b>	\$33,401	\$9,848	\$3,632	\$7,370	\$5,803	\$60,054
<b>FY2007 Anticipated</b>	\$31,169	\$11,500	\$3,814	\$8,380	\$10,040	\$64,902
<b>FY2012 Projection</b>	\$50,197	\$30,000	\$10,308	\$14,210	\$11,982	\$116,697
<b>FY2007 to FY2012 Projected</b>						
<b>Average Annual Growth in Fundraising</b>	10%	22%	22%	11%	4%	12%

\*Projections do not include estimates for Central Administration or Related Organizations

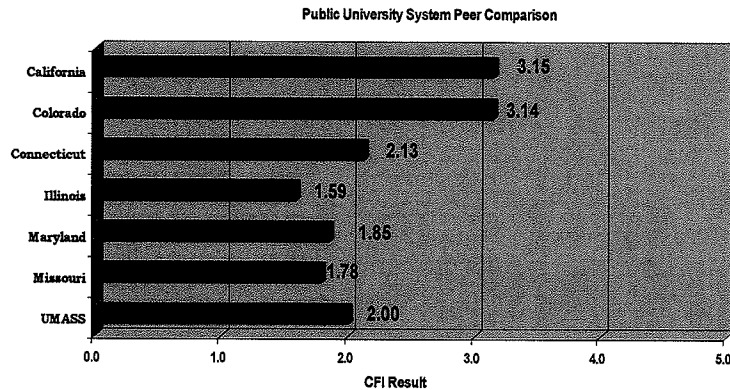
# Deferred Maintenance per GSF *(Draft)*

## New Facility Condition Indicators - Deferred Maintenance

		>>>>>>>PROJECTED>>>>>>>					
	FY2006 Actual	FY2007 Anticipated	FY2008	FY2009	FY2010	FY2011	FY2012
Total Deferred Maintenance Cost	\$2,592,636,965	\$2,640,925,868	\$2,654,459,248	\$2,579,351,628	\$2,492,296,728	\$2,484,337,456	\$2,476,156,925
Campus Gross Square Feet	21,072,628	21,366,210	21,913,210	22,393,210	22,543,210	22,543,210	22,623,210
Deferred Maintenance per GSF	\$123	\$124	\$121	\$115	\$111	\$110	\$109

\*Projections do not include estimates for Central Administration or Related Organizations

	FY2004	FY2005	FY2006
UMASS CFI Results	2.51	2.52	2.00



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## Composite Financial Index (CFI) -Balanced Scorecard Approach-

The Composite Financial Index (CFI) methodology generates a single overall view of an institution's financial health. The CFI provides a balanced measure of institutional strengths and weaknesses based on the strategic goals and financial objectives of the organization. The CFI approach for UMASS is generated by combining the results of four core ratios:

- **Primary Reserve Ratio (like Financial Cushion):** Measures financial strength by indicating how long the University could function by using its expendable reserves to cover operations.
- **Return on Net Assets Ratio:** Measures total economic return.
- **Net Operating Revenues Ratio (like Operating Margin):** Indicates whether the University is living within available resources.
- **Debt Burden Ratio (like Debt Service Ratio):** Illustrates capacity to respond to adverse conditions and flexibility to fund new initiatives, as well as the University's ability to attract capital from external sources.

The formulas for core ratio analysis and the development of the CFI were taken from "Strategic Financial Analysis for Higher Education - Sixth Edition" published by KPMG, BearingPoint, and Prager, Sealy & Co.

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University of Massachusetts  
 FY2007-FY2012 Financial Indicators Report

FY2006 Results - Projected to Actual & Comparison to Peers

AMHERST	Projected FY2006	Actual FY2006	Peers	Projected FY2012
Return on Net Assets	<i>new indicator</i>	8.4%	3.1%	1.1%
Financial Cushion	15.3%	16.7%	22.2%	9.8%
Debt Service to Operations	4.4%	4.8%	5.0%	7.4%
Endowment per Student	\$5,401	\$5,164	\$16,831	\$17,184
Private Funds Raised Annually	\$28,335,000	\$33,401,164	-	\$50,197,182

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 2007 Financial Indicators Report

Summary of Financial Indicators

AMHERST	*****Projected*****							
	FY2006 Actual	FY2006 Actual	FY2007 Anticipated	FY2008	FY2009	FY2010	FY2011	FY2012
RETURN ON NET ASSETS	6.4%	8.4%	10.9%	2.5%	0.0%	0.4%	0.7%	1.1%
FINANCIAL CUSHION	15.2%	16.7%	16.0%	13.0%	11.1%	10.6%	10.2%	9.8%
DEBT SERVICE TO OPERATIONS	3.7%	4.8%	4.8%	6.7%	6.6%	6.7%	6.8%	7.4%
ENDOWMENT PER STUDENT	\$4,232	\$5,256	\$6,341	\$8,460	\$10,381	\$12,467	\$14,696	\$17,184
PRIVATE FUNDS RAISED ANNUALLY <i>in thousands</i>	\$27,027	\$33,401	\$31,169	\$34,285	\$37,714	\$41,485	\$45,634	\$50,197
OPERATING MARGIN	1.7%	4.1%	3.1%	0.7%	-1.4%	-1.2%	-1.1%	-0.8%
DEFERRED MAINTENANCE per GSF	\$163	\$162	\$155	\$141	\$129	\$126	\$121	\$116
COMPOSITE FINANCIAL INDEX	1.79	1.94	2.00	0.89	0.67	0.63	0.70	0.70





University of Massachusetts  
 FY2007-FY2012 Financial Indicators Report

FY2006 Results - Projected to Actual & Comparison to Peers

<i>Dartmouth</i>	Projected FY2006	Actual FY2006	Peers	Projected FY2012
Return on Net Assets	<i>new indicator</i>	6.6%	3.7%	6.9%
Financial Cushion	-2.4%	-1.2%	6.2%	2.0%
Debt Service to Operations	4.2%	7.0%	4.1%	6.0%
Endowment per Student	\$2,504	\$2,746	\$3,715	\$3,890
Private Funds Raised Annually	\$4,300,000	\$3,632,334	--	\$10,307,995

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 2007 Financial Indicators Report

Summary of Financial Indicators

	2006-2007 Projected 2008-2012							
	FY2005 Actual	FY2006 Actual	FY2007 Anticipated	FY2008	FY2009	FY2010	FY2011	FY2012
<b>DARTMOUTH</b>								
RETURN ON NET ASSETS	5.9%	6.6%	5.7%	9.2%	9.1%	6.2%	6.6%	6.9%
FINANCIAL CUSHION	-2.7%	-1.2%	-0.6%	0.0%	0.7%	1.1%	1.6%	2.0%
DEBT SERVICE TO OPERATIONS	5.4%	7.0%	6.1%	7.0%	6.6%	6.4%	6.2%	6.0%
ENDOWMENT PER STUDENT	\$2,521	\$2,746	\$2,816	\$3,115	\$3,306	\$3,504	\$3,662	\$3,890
PRIVATE FUNDS RAISED ANNUALLY <i>in thousands</i>	\$4,297	\$3,632	\$3,814	\$4,653	\$5,677	\$6,826	\$8,449	\$10,308
OPERATING MARGIN	-1.3%	0.4%	1.6%	1.8%	2.2%	1.5%	1.7%	1.8%
DEFERRED MAINTENANCE per GSF	\$74	\$68	\$70	\$72	\$74	\$76	\$78	\$81
COMPOSITE FINANCIAL INDEX	0.89	0.94	1.13	1.28	1.35	1.16	1.22	1.28

University of Massachusetts  
 FY2007-FY2012 Financial Indicators Report

FY2006 Results - Projected to Actual & Comparison to Peers

Lowell	Projected FY2006	Actual FY2006	Peers	Projected FY2012
Return on Net Assets	<i>new indicator</i>	-1.9%	6.7%	6.1%
Financial Cushion	5.4%	4.8%	15.3%	5.6%
Debt Service to Operations	3.6%	3.3%	2.6%	3.8%
Endowment per Student	\$2,938	\$3,071	\$6,066	\$5,108
Private Funds Raised Annually	\$10,500,000	\$7,370,000	--	\$14,210,000

University of Massachusetts  
 2007 Financial Indicators Report

Summary of Financial Indicators

	FY2005 Actual	FY2006 Actual	FY2007 Anticipated	FY2008	FY2009	FY2010	FY2011	FY2012
<b>LOWELL</b>								
RETURN ON NET ASSETS	-1.4%	-1.9%	-2.3%	-1.0%	2.7%	5.0%	5.7%	6.1%
FINANCIAL CUSHION	5.0%	4.8%	3.5%	3.2%	3.4%	3.9%	4.5%	5.6%
DEBT SERVICE TO OPERATIONS	3.6%	3.3%	4.2%	4.1%	3.5%	3.3%	3.5%	3.8%
ENDOWMENT PER STUDENT	\$2,719	\$3,071	\$3,400	\$3,684	\$3,887	\$4,307	\$4,646	\$5,108
PRIVATE FUNDS RAISED ANNUALLY <i>in thousands</i>	\$8,420	\$7,370	\$8,380	\$9,360	\$10,290	\$11,450	\$12,780	\$14,210
OPERATING MARGIN	-0.55%	-3.52%	-1.58%	-0.96%	-0.06%	0.90%	1.21%	1.42%
DEFERRED MAINTENANCE per GSF	\$93	\$96	\$92	\$95	\$97	\$100	\$100	\$103
COMPOSITE FINANCIAL INDEX	0.98	0.80	0.65	0.79	1.21	1.46	1.49	1.45

University of Massachusetts  
 FY2007-FY2012 Financial Indicators Report

FY2006 Results - Projected to Actual & Comparison to Peers

<i>Worcester</i>	Projected FY2006	Actual FY2006	Peers	Projected FY2012
Return on Net Assets	<i>new indicator</i>	2.4%	--	1.2%
Financial Cushion	32.5%	27.8%	--	42.0%
Debt Service to Operations	2.0%	2.0%	--	2.3%
Endowment per Student	\$44,037	\$49,617	--	\$166,535
Private Funds Raised Annually	\$10,000,000	\$5,803,000	--	\$11,982,000

University of Massachusetts  
 2007 Financial Indicators Report

Summary of Financial Indicators

WORCESTER	FY2006	FY2006	FY2007	Projected				
	Actual	Actual	Anticipated	FY2008	FY2009	FY2010	FY2011	FY2012
RETURN ON NET ASSETS	22.0%	2.4%	12.9%	6.4%	2.2%	0.9%	1.1%	1.2%
FINANCIAL CUSHION	31.9%	27.8%	29.2%	34.0%	36.0%	37.4%	39.7%	42.0%
DEBT SERVICE TO OPERATIONS	2.3%	2.0%	2.3%	3.2%	2.7%	2.6%	2.4%	2.3%
ENDOWMENT PER STUDENT	\$46,666	\$49,617	\$88,698	\$103,681	\$121,097	\$136,374	\$160,939	\$166,636
PRIVATE FUNDS RAISED ANNUALLY <i>in thousands</i>	\$7,796	\$6,803	\$10,040	\$10,401	\$10,776	\$11,164	\$11,666	\$11,982
OPERATING MARGIN	10.6%	1.1%	6.9%	3.1%	1.3%	0.4%	0.6%	0.6%
DEFERRED MAINTENANCE per GSF	\$36	\$36	\$34	\$36	\$36	\$36	\$36	\$36
COMPOSITE FINANCIAL INDEX	4.11	2.41	3.21	2.19	2.04	2.04	2.16	2.24



# UNIVERSITY OF MASSACHUSETTS

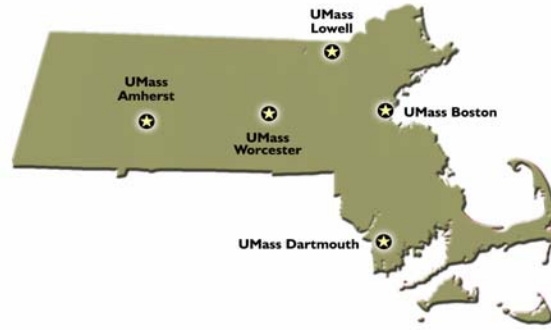
*Amherst • Boston • Dartmouth • Lowell • Worcester*



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## STUDENT PROFILE

FALL 2006



The *University of Massachusetts Fall 2006 Student Profile* contains frequently requested institutional data about students at our five campuses –Amherst, Boston, Dartmouth, Lowell, and Worcester. Readers will find comprehensive data about admissions, enrollment and degrees conferred at the University. While the report focuses on the most recent fall data, in some cases, trend data are also available.

The President’s Office gratefully acknowledges the assistance of the institutional research offices of each campus in compiling these data. Special thanks to Jesse Castaldi, graduate intern, for her help with this report.

The *Fall 2006 Student Profile* is also available at <http://www.massachusetts.edu/ir/index.html>. If you need additional information about the University of Massachusetts that is not included in this report, please contact Institutional Research.

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University of Massachusetts  
Office of the President

March 2007

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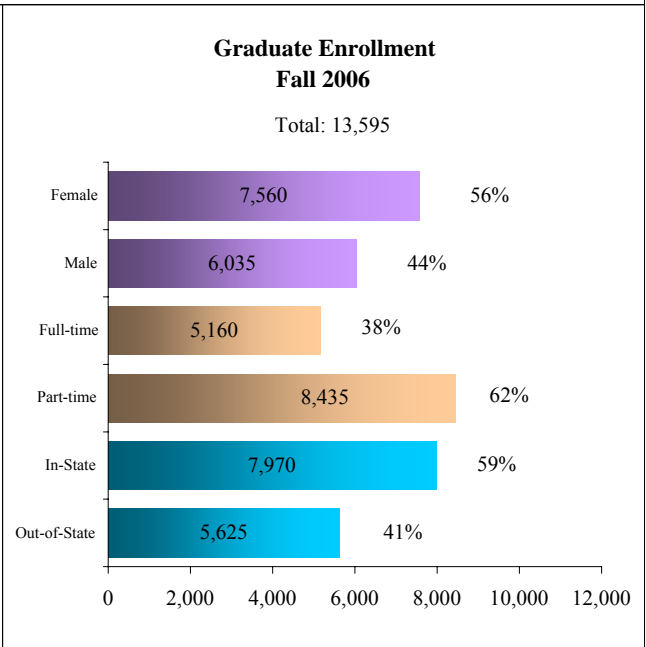
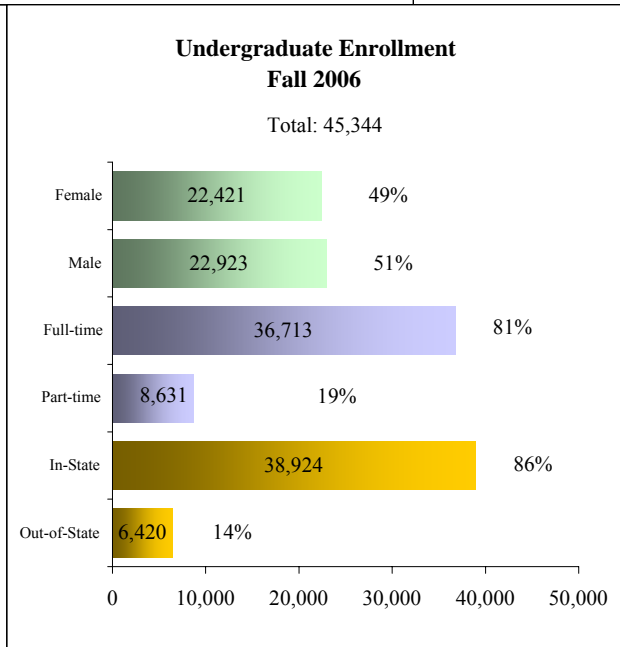
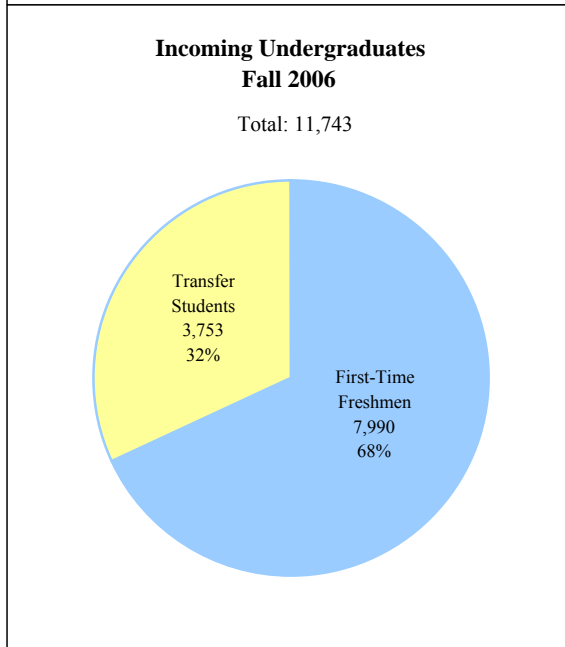
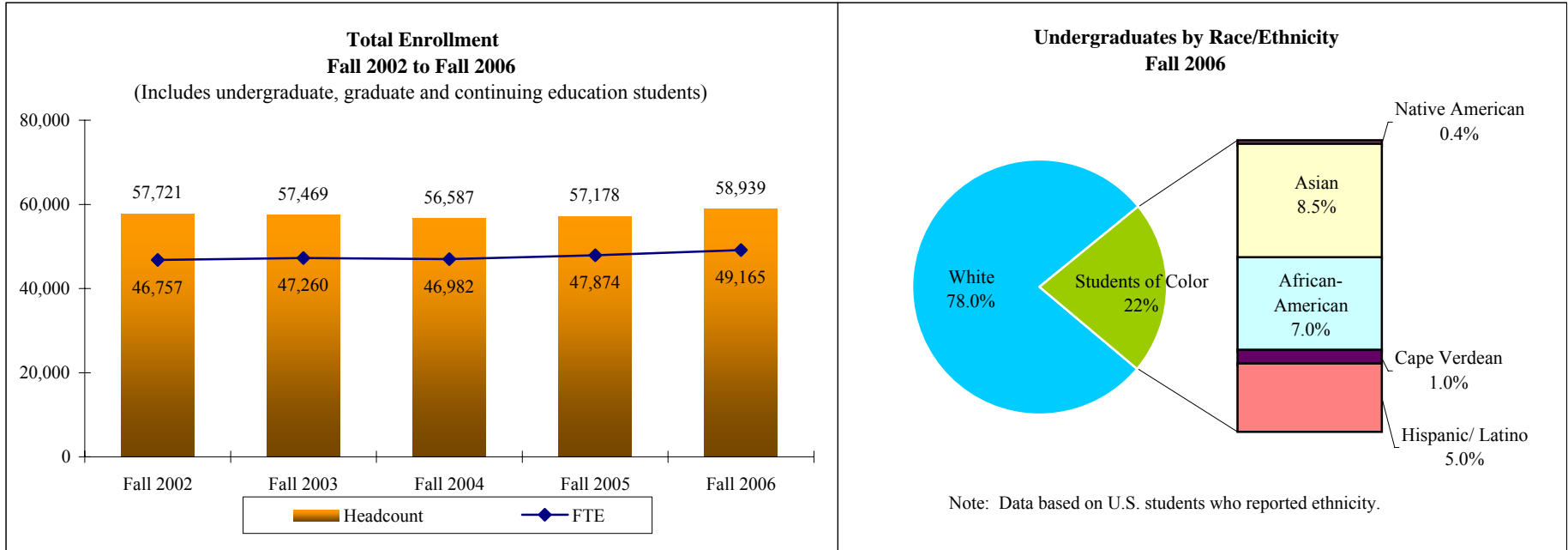
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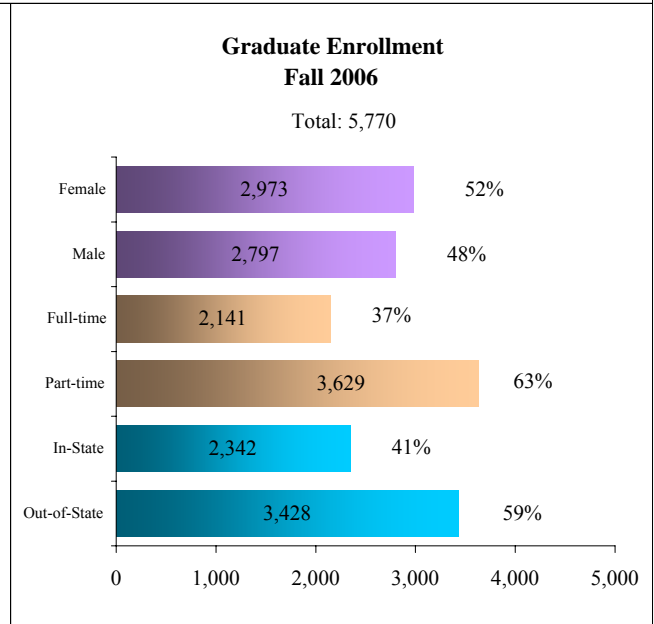
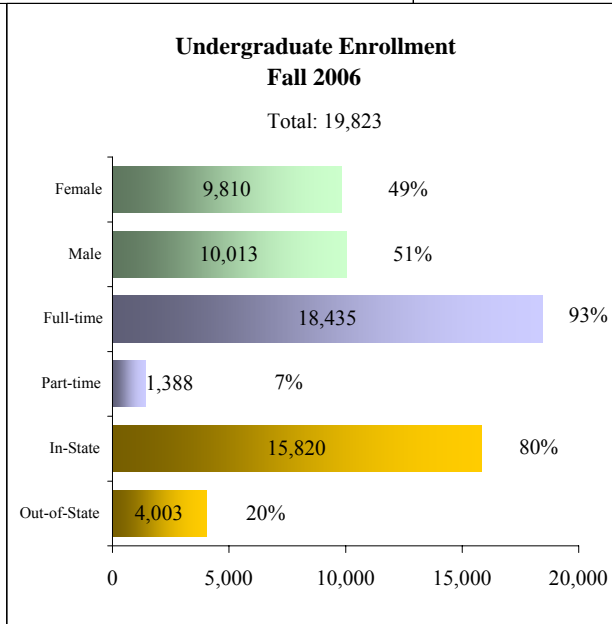
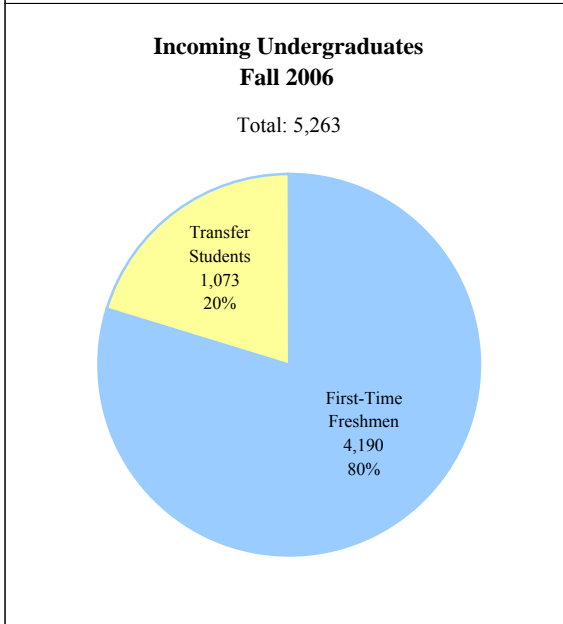
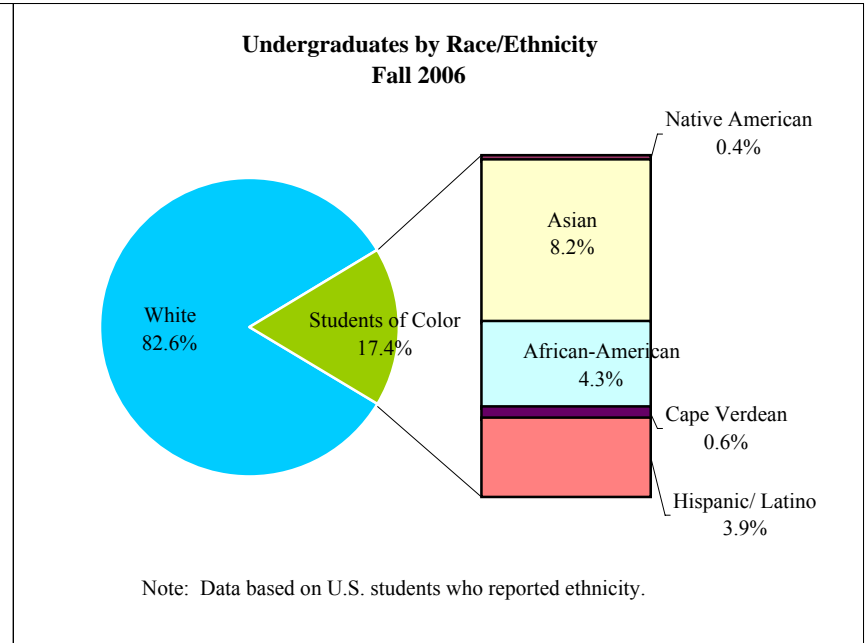
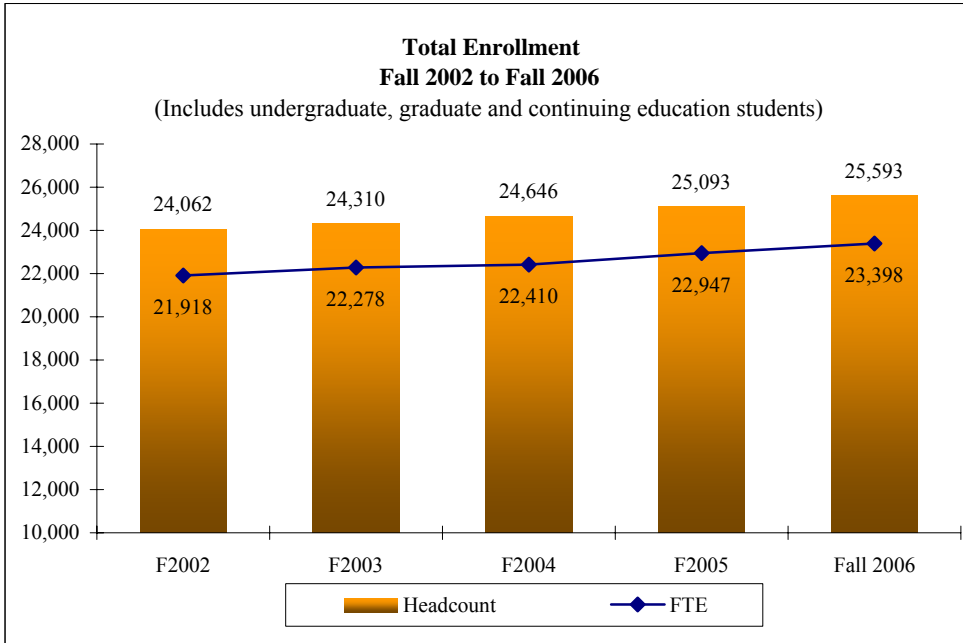
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# System Summary Profile

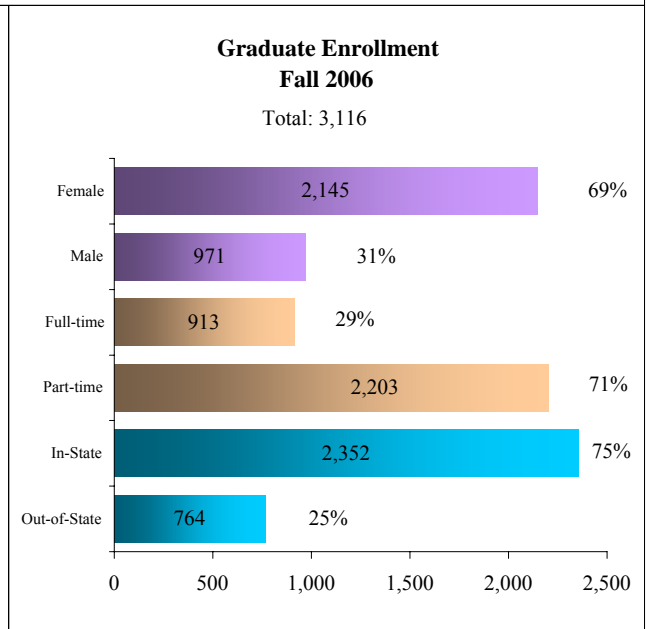
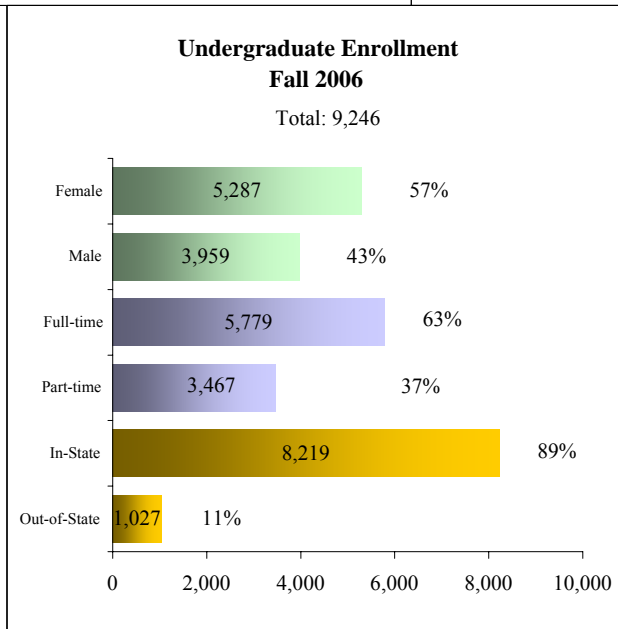
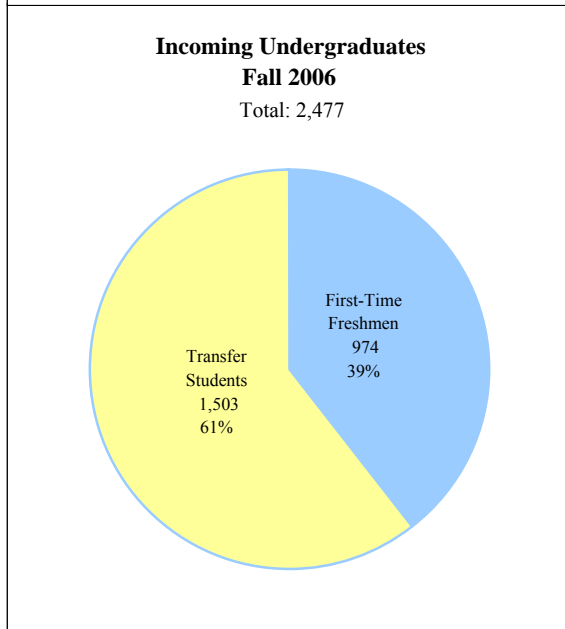
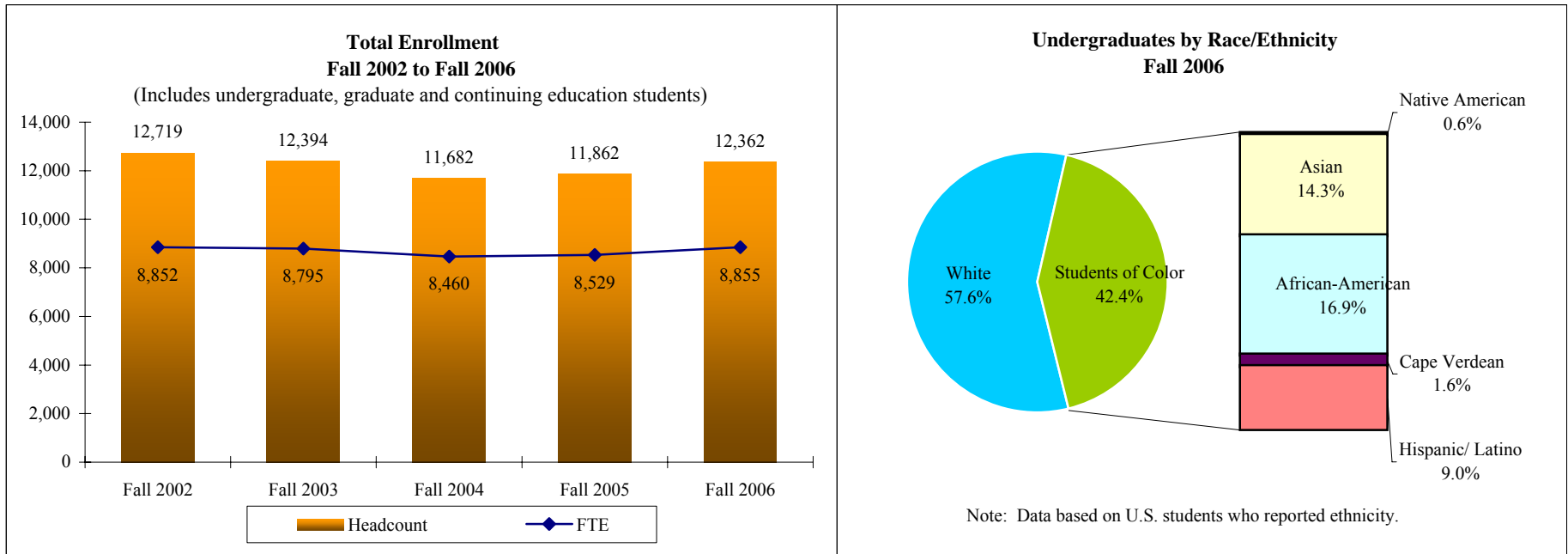




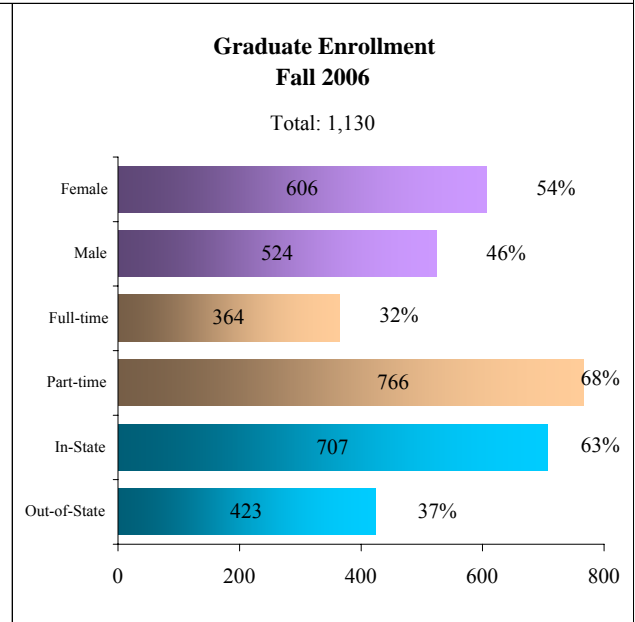
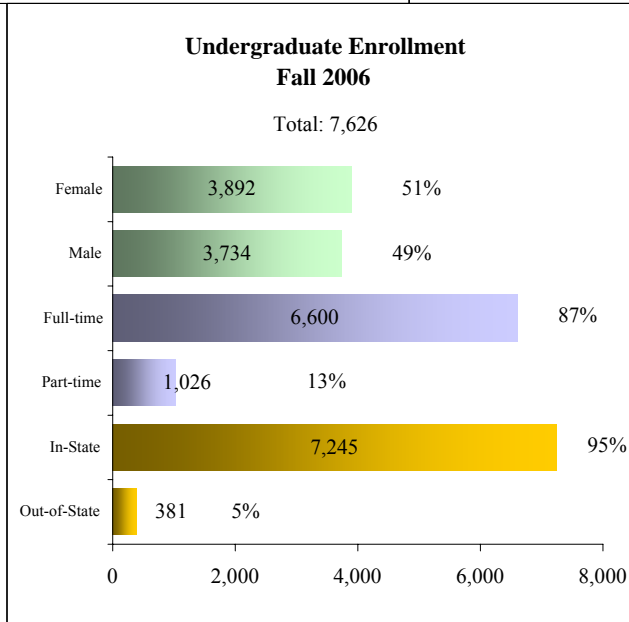
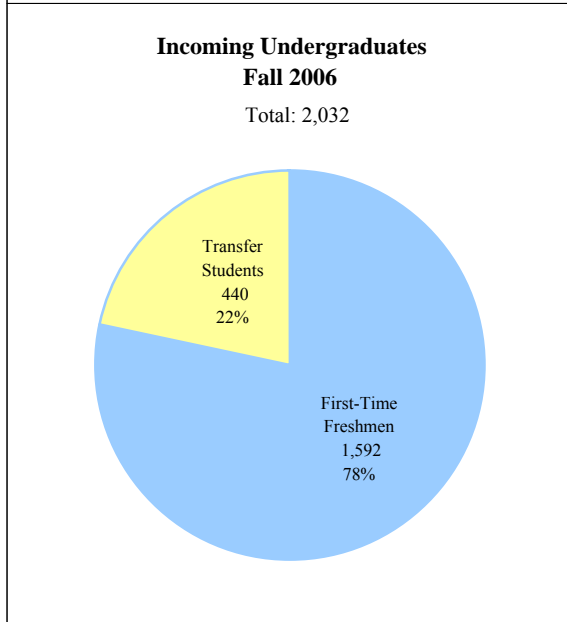
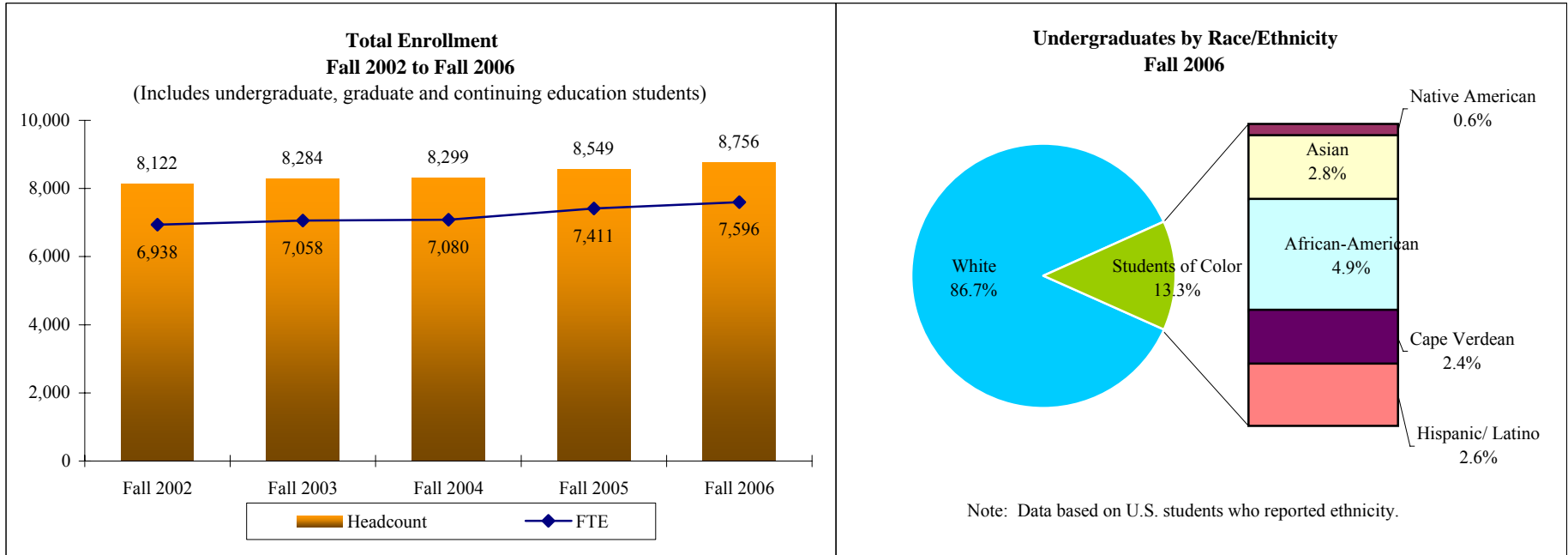
# Amherst Summary Profile



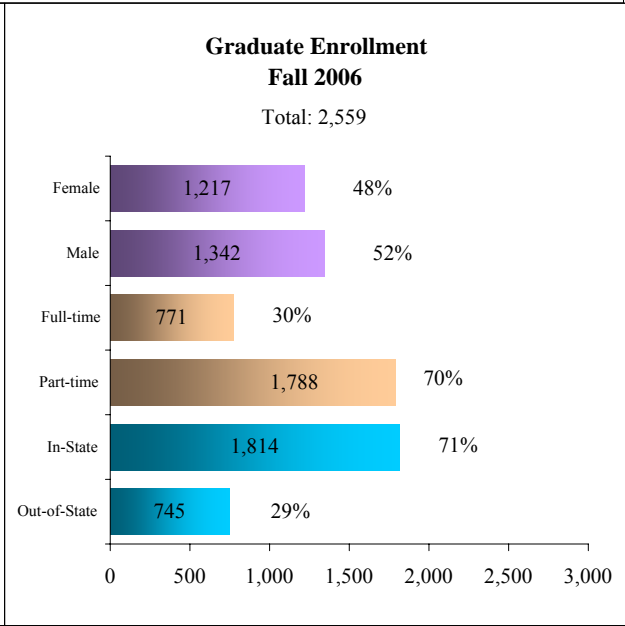
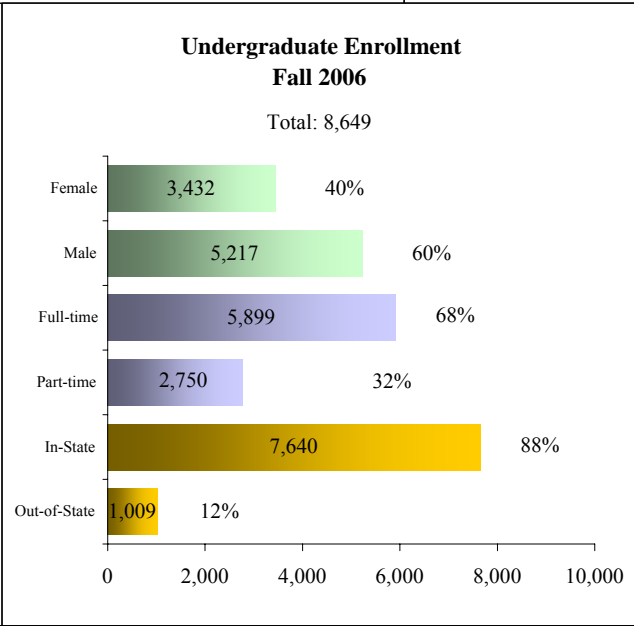
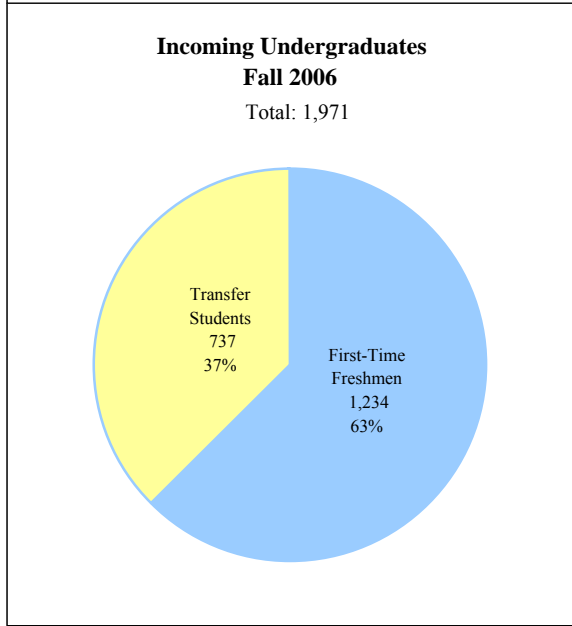
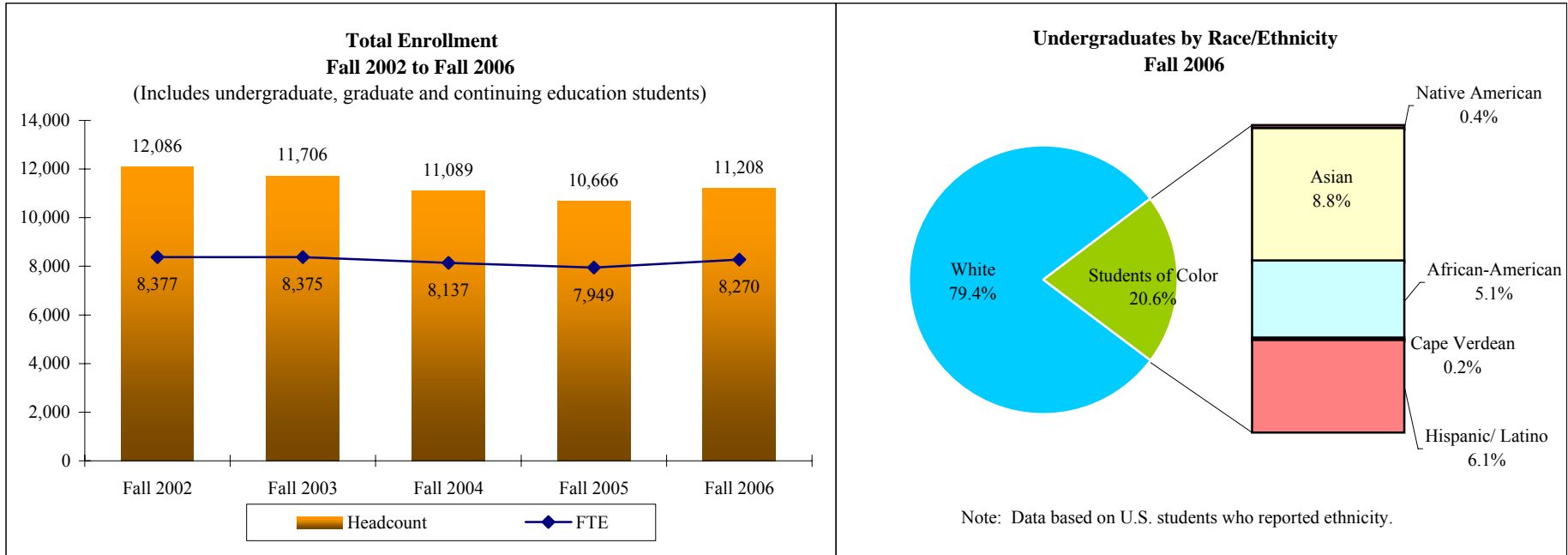
# Boston Summary Profile



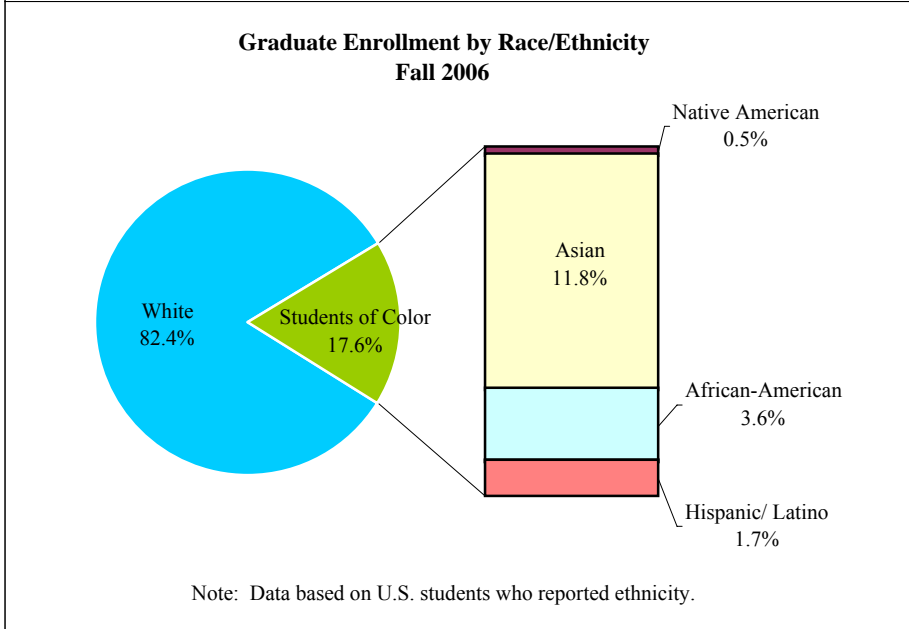
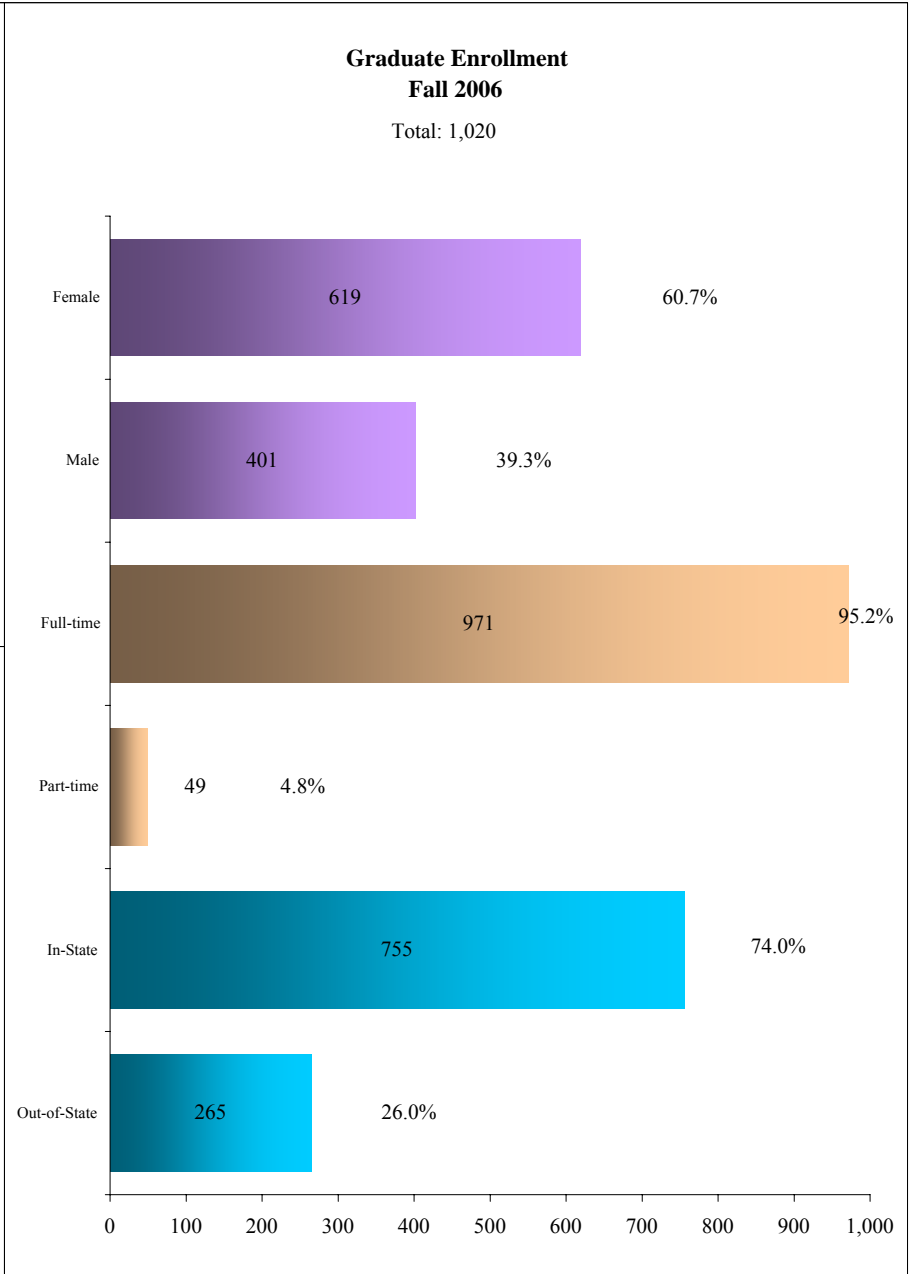
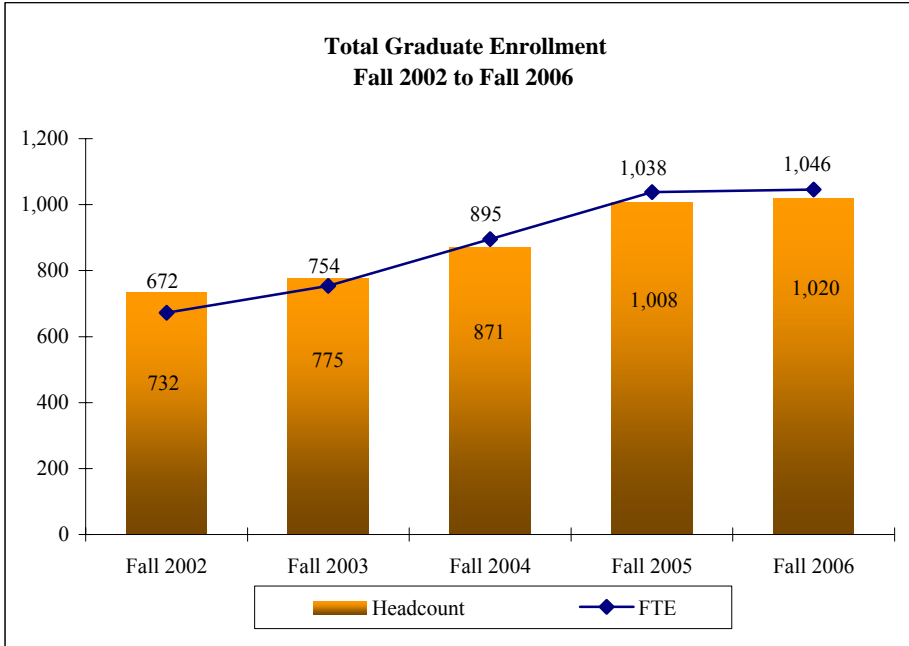
# Dartmouth Summary Profile



# Lowell Summary Profile



# Worcester Summary Profile



# Admissions: Table 1

## Incoming Undergraduates - Fall 2006

by gender, residency, and race/ethnicity

### UMass Amherst

	First-Time Freshmen		Transfers		Total	
	Number	Percent	Number	Percent	Number	Percent
<b>TOTAL</b>	<b>4,190</b>	<b>100.0%</b>	<b>1,073</b>	<b>100.0%</b>	<b>5,263</b>	<b>100.0%</b>
Female	2,157	51.5%	455	42.4%	2,612	49.6%
Male	2,033	48.5%	618	57.6%	2,651	50.4%
In-State	3,218	76.8%	891	83.0%	4,109	78.1%
Out-of-State	972	23.2%	182	17.0%	1,154	21.9%
US Residents	4,156	99.2%	1,048	97.7%	5,204	98.9%
Non-Resident Aliens	34	0.8%	25	2.3%	59	1.1%
African-American	175	4.6%	49	5.2%	224	4.7%
Asian	391	10.2%	49	5.2%	440	9.2%
Cape Verdean	19	0.5%	8	0.9%	27	0.6%
Hispanic/Latino	185	4.8%	48	5.1%	233	4.9%
Native American	18	0.5%	3	0.3%	21	0.4%
White	3,042	79.4%	779	83.2%	3,821	80.2%
<i>U.S. Students of Color</i>	788	20.6%	157	16.8%	945	19.8%
Non-Reporting/Non-resident Aliens	360		137		497	

NOTE: Race/ethnicity data are for US citizens and permanent residents of known race.

### UMass Boston

	First-Time Freshmen		Transfers		Total	
	Number	Percent	Number	Percent	Number	Percent
<b>TOTAL</b>	<b>974</b>	<b>100.0%</b>	<b>1,503</b>	<b>100.0%</b>	<b>2,477</b>	<b>100.0%</b>
Female	559	57.4%	890	59.2%	1,449	58.5%
Male	415	42.6%	613	40.8%	1,028	41.5%
In-State	861	88.4%	1,302	86.6%	2,163	87.3%
Out-of-State	113	11.6%	201	13.4%	314	12.7%
US Residents	937	96.2%	1,456	96.9%	2,393	96.6%
Non-Resident Aliens	37	3.8%	47	3.1%	84	3.4%
African-American	128	14.5%	227	17.2%	355	16.1%
Asian	183	20.8%	122	9.2%	305	13.9%
Cape Verdean	11	1.3%	30	2.3%	41	1.9%
Hispanic/Latino	116	13.2%	112	8.5%	228	10.4%
Native American	4	0.5%	9	0.7%	13	0.6%
White	438	49.8%	821	62.1%	1,259	57.2%
<i>U.S. Students of Color</i>	442	50.2%	500	37.9%	942	42.8%
Non-Reporting/Non-resident Aliens	94		182		276	

NOTE: Race/ethnicity data are for US citizens and permanent residents of known race.

# Admissions: Table 1

## Incoming Undergraduates - Fall 2006

by gender, residency, and race/ethnicity

### UMass Dartmouth

	First-Time Freshmen		Transfers		Total	
	Number	Percent	Number	Percent	Number	Percent
<b>TOTAL</b>	<b>1,592</b>	<b>100.0%</b>	<b>440</b>	<b>100.0%</b>	<b>2,032</b>	<b>100.0%</b>
Female	779	48.9%	235	53.4%	1,014	49.9%
Male	813	51.1%	205	46.6%	1,018	50.1%
In-State	1,515	95.2%	404	91.8%	1,919	94.4%
Out-of-State	77	4.8%	36	8.2%	113	5.6%
US Residents	1,584	99.5%	435	98.9%	2,019	99.4%
Non-Resident Aliens	8	0.5%	5	1.1%	13	0.6%
African-American	82	5.4%	18	4.6%	100	5.2%
Asian	35	2.3%	14	3.6%	49	2.6%
Cape Verdean	29	1.9%	12	3.1%	41	2.1%
Hispanic/Latino	48	3.1%	10	2.6%	58	3.0%
Native American	8	0.5%	3	0.8%	11	0.6%
White	1,324	86.8%	333	85.4%	1,657	86.5%
<i>U.S. Students of Color</i>	202	13.2%	57	14.6%	259	13.5%
Non-Reporting/Non-resident Aliens	66		50		116	

NOTE: Race/ethnicity data are for US citizens and permanent residents of known race.

### UMass Lowell

	First-Time Freshmen		Transfers		Total	
	Number	Percent	Number	Percent	Number	Percent
<b>TOTAL</b>	<b>1,234</b>	<b>100.0%</b>	<b>737</b>	<b>100.0%</b>	<b>1,971</b>	<b>100.0%</b>
Female	461	37.4%	352	47.8%	813	41.2%
Male	773	62.6%	385	52.2%	1,158	58.8%
In-State	1,126	91.2%	662	89.8%	1,788	90.7%
Out-of-State	108	8.8%	75	10.2%	183	9.3%
US Residents	1,222	99.0%	727	98.6%	1,949	98.9%
Non-Resident Aliens	12	1.0%	10	1.4%	22	1.1%
African-American	45	3.9%	38	5.7%	83	4.5%
Asian	112	9.6%	59	8.8%	171	9.3%
Cape Verdean	4	0.3%	1	0.1%	5	0.3%
Hispanic/Latino	75	6.4%	41	6.1%	116	6.3%
Native American	1	0.1%	5	0.7%	6	0.3%
White	927	79.6%	524	78.4%	1,451	79.2%
<i>U.S. Students of Color</i>	237	20.4%	144	21.6%	381	20.8%
Non-Reporting/Non-resident Aliens	70		69		139	

NOTE: Race/ethnicity data are for US citizens and permanent residents of known race.

## Admissions: Table 2

### Undergraduate Admissions Trends - Fall 1996 to Fall 2006

#### UMass Amherst

First -Time Freshmen					
	Number of Applicants	Number Accepted	Percent Accepted	Number Enrolled	Yield
<b>Fall 2006</b>	<b>22,451</b>	<b>15,941</b>	<b>71.0%</b>	<b>4,190</b>	<b>26.3%</b>
Fall 2005	20,207	16,241	80.4%	4,427	27.3%
Fall 2004	17,930	14,593	81.4%	4,222	28.9%
Fall 2003	16,427	13,461	81.9%	4,077	30.3%
Fall 2002	20,449	11,783	57.6%	3,335	28.3%
Fall 2001	18,625	13,518	72.6%	4,203	31.1%
Fall 2000	19,499	13,126	67.3%	3,731	28.4%
Fall 1999	19,915	13,727	68.9%	4,060	29.6%
Fall 1998	17,691	13,175	74.5%	3,866	29.3%
Fall 1997	18,006	13,146	73.0%	3,737	28.4%
Fall 1996	17,705	13,164	74.4%	3,985	30.3%

#### UMass Amherst

Transfer Students					
	Number of Applicants	Number Accepted	Percent Accepted	Number Enrolled	Yield
<b>Fall 2006</b>	<b>2,901</b>	<b>1,939</b>	<b>66.8%</b>	<b>1,073</b>	<b>55.3%</b>
Fall 2005	2,863	1,946	68.0%	1,067	54.8%
Fall 2004	2,912	1,887	64.8%	1,138	60.3%
Fall 2003	3,039	1,914	63.0%	1,153	60.2%
Fall 2002	3,325	2,067	62.2%	1,194	57.8%
Fall 2001	3,124	1,931	61.8%	1,109	57.4%
Fall 2000	3,142	1,874	59.6%	1,210	64.6%
Fall 1999	3,079	1,984	64.4%	1,192	60.1%
Fall 1998	2,632	1,877	71.3%	1,199	63.9%
Fall 1997	2,544	1,793	70.5%	1,123	62.6%
Fall 1996	2,823	1,926	68.2%	1,182	61.4%



## Admissions: Table 2

### Undergraduate Admissions Trends - Fall 1996 to Fall 2006

#### UMass Boston

First -Time Freshmen					
	Number of Applicants	Number Accepted	Percent Accepted	Number Enrolled	Yield
<b>Fall 2006</b>	<b>3,666</b>	<b>2,325</b>	<b>63.4%</b>	<b>974</b>	<b>41.9%</b>
Fall 2005	3,174	1,920	60.5%	781	40.7%
Fall 2004	2,903	1,553	53.5%	565	36.4%
Fall 2003	2,834	1,561	55.1%	610	39.1%
Fall 2002	2,704	1,478	54.7%	576	39.0%
Fall 2001	2,652	1,539	58.0%	701	45.5%
Fall 2000	2,667	1,562	58.6%	706	45.2%
Fall 1999	3,461	1,694	48.9%	789	46.6%
Fall 1998	2,466	1,455	59.0%	674	46.3%
Fall 1997	2,305	1,452	63.0%	637	43.9%
Fall 1996	2,347	1,541	65.7%	743	48.2%

#### UMass Boston

Transfer Students					
	Number of Applicants	Number Accepted	Percent Accepted	Number Enrolled	Yield
<b>Fall 2006</b>	<b>2,890</b>	<b>2,313</b>	<b>80.0%</b>	<b>1,503</b>	<b>65.0%</b>
Fall 2005	2,639	2,089	79.2%	1,326	63.5%
Fall 2004	2,697	2,125	78.8%	1,193	56.1%
Fall 2003	2,779	2,360	84.9%	1,339	56.7%
Fall 2002	2,892	2,378	82.2%	1,382	58.1%
Fall 2001	2,916	2,564	87.9%	1,542	60.1%
Fall 2000	3,038	2,631	86.6%	1,556	59.1%
Fall 1999	3,790	2,601	68.6%	1,590	61.1%
Fall 1998	2,872	2,470	86.0%	1,574	63.7%
Fall 1997	2,576	2,215	86.0%	1,347	60.8%
Fall 1996	2,510	2,234	89.0%	1,371	61.4%

## Admissions: Table 2

### Undergraduate Admissions Trends - Fall 1996 to Fall 2006

#### UMass Dartmouth

First-Time Freshmen					
	Number of Applicants	Number Accepted	Percent Accepted	Number Enrolled	Yield
<b>Fall 2006</b>	<b>6,972</b>	<b>4,651</b>	<b>66.7%</b>	<b>1,592</b>	<b>34.2%</b>
Fall 2005	6,432	4,730	73.5%	1,545	32.7%
Fall 2004	6,049	4,091	67.6%	1,330	32.5%
Fall 2003	6,049	4,268	70.6%	1,392	32.6%
Fall 2002	6,039	4,217	69.8%	1,527	36.2%
Fall 2001	5,070	3,400	67.1%	1,197	35.2%
Fall 2000	4,915	3,580	72.8%	1,357	37.9%
Fall 1999	4,831	3,127	64.7%	1,181	37.8%
Fall 1998	3,626	2,604	71.8%	1,137	43.7%
Fall 1997	3,311	2,245	67.8%	897	40.0%
Fall 1996	3,335	2,238	67.1%	872	39.0%

#### UMass Dartmouth

Transfer Students					
	Number of Applicants	Number Accepted	Percent Accepted	Number Enrolled	Yield
<b>Fall 2006</b>	<b>929</b>	<b>717</b>	<b>77.2%</b>	<b>440</b>	<b>61.4%</b>
Fall 2005	958	791	82.6%	493	62.3%
Fall 2004	901	716	79.5%	501	70.0%
Fall 2003	911	733	80.5%	447	61.0%
Fall 2002	879	755	85.9%	478	63.3%
Fall 2001	768	668	87.0%	446	66.8%
Fall 2000	777	666	85.7%	389	58.4%
Fall 1999	914	680	74.4%	419	61.6%
Fall 1998	817	626	76.6%	410	65.5%
Fall 1997	779	626	80.4%	389	62.1%
Fall 1996	779	633	81.3%	419	66.2%

## Admissions: Table 2

### Undergraduate Admissions Trends - Fall 1996 to Fall 2006

#### UMass Lowell

First -Time Freshmen					
	Number of Applicants	Number Accepted	Percent Accepted	Number Enrolled	Yield
<b>Fall 2006</b>	<b>4,538</b>	<b>3,182</b>	<b>70.1%</b>	<b>1,234</b>	<b>38.8%</b>
Fall 2005	4,321	3,013	69.7%	1,088	36.1%
Fall 2004	4,318	2,598	60.2%	1,009	38.8%
Fall 2003	4,233	2,630	62.1%	1,020	38.8%
Fall 2002	3,583	2,242	62.6%	1,020	45.5%
Fall 2001	3,286	2,284	69.5%	979	42.9%
Fall 2000	3,309	2,227	67.3%	1,013	45.5%
Fall 1999	3,237	2,284	70.6%	950	41.6%
Fall 1998	3,447	2,447	71.0%	1,022	41.8%
Fall 1997	3,316	2,686	81.0%	1,021	38.0%
Fall 1996	3,404	2,716	79.8%	1,037	38.2%

#### UMass Lowell

Transfer Students					
	Number of Applicants	Number Accepted	Percent Accepted	Number Enrolled	Yield
<b>Fall 2006</b>	<b>1,538</b>	<b>1,179</b>	<b>76.7%</b>	<b>737</b>	<b>62.5%</b>
Fall 2005	1,381	1,145	82.9%	717	62.6%
Fall 2004	1,803	1,167	64.7%	756	64.8%
Fall 2003	1,343	1,184	88.2%	767	64.8%
Fall 2002	1,187	1,101	92.8%	728	66.1%
Fall 2001	1,211	1,143	94.4%	781	68.3%
Fall 2000	1,148	1,079	94.0%	747	69.2%
Fall 1999	1,044	988	94.6%	710	71.9%
Fall 1998	1,067	991	92.9%	623	62.9%
Fall 1997	1,138	1,054	92.6%	648	61.5%
Fall 1996	1,140	1,088	95.4%	680	62.5%

## Admissions: Table 3

### Incoming Undergraduates - Fall 2006

by freshman and transfer

	First-Time Freshmen		Transfer Students		Total
	Number	Percent	Number	Percent	Number
<b>University Total</b>	<b>7,990</b>	<b>68.0%</b>	<b>3,753</b>	<b>32.0%</b>	<b>11,743</b>
Amherst	4,190	79.6%	1,073	20.4%	5,263
Boston	974	39.3%	1,503	60.7%	2,477
Dartmouth	1,592	78.3%	440	21.7%	2,032
Lowell	1,234	62.6%	737	37.4%	1,971

## Admissions: Table 4

### Freshman SAT Scores & High School GPAs - Fall 2006

	Amherst	Boston	Dartmouth	Lowell
Average SAT	1146	1059	1046	1070
75th Percentile	1240	1140	1130	1160
25th Percentile	1050	960	970	980
% Reporting	98.0%	90.0%	98.6%	99.4%
	Amherst	Boston	Dartmouth	Lowell
Average HS GPA	3.46	2.97	3.05	3.14
Percent $\geq 3.75$	25.8%	7.2%	10.0%	11.3%
Percent 3.50 to 3.74	22.7%	8.1%	8.0%	11.3%
Percent 3.00 to 3.49	43.7%	30.3%	35.0%	34.1%
Percent 2.50 to 2.99	7.0%	38.1%	35.0%	37.4%
Percent $\leq 2.49$	0.8%	16.2%	12.0%	6.0%
% Percent Reporting	99.0%	95.0%	99.1%	99.4%

## Admissions: Table 5 Origins of Undergraduate Transfer Students - Fall 2006

	Amherst		Boston		Dartmouth		Lowell		University	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
<b>Total Transfers</b>	<b>1,073</b>	<b>100.0%</b>	<b>1,503</b>	<b>100.0%</b>	<b>440</b>	<b>100.0%</b>	<b>713</b>	<b>100.0%</b>	<b>3,729</b>	<b>100.0%</b>
Mass Public 2-Yr	437	40.7%	666	44.3%	231	52.5%	370	51.9%	1,704	45.7%
Mass Private 2-Yr	-	0.0%	39	2.6%	18	4.1%	17	2.4%	74	2.0%
Other Public 2-Yr	42	3.9%	102	6.8%	18	4.1%	31	4.3%	193	5.2%
Other Private 2-Yr	3	0.3%	5	0.3%	5	1.1%	4	0.6%	17	0.5%
Mass Public 4-Yr	157	14.6%	283	18.8%	54	12.3%	113	15.8%	607	16.3%
Mass Private 4-Yr	113	10.5%	142	9.4%	40	9.1%	79	11.1%	374	10.0%
Other Public 4-Yr	121	11.3%	96	6.4%	22	5.0%	33	4.6%	272	7.3%
Other Private 4-Yr	140	13.0%	86	5.7%	45	10.2%	66	9.3%	337	9.0%
International/Unclassified	60	5.6%	84	5.6%	7	1.6%	0	0.0%	151	4.0%

NOTE: Mass Public 2-year includes Quincy College.

## Admissions: Table 6 Massachusetts Community College Transfers by Level - Fall 2006

	Amherst		Boston		Dartmouth		Lowell		University	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
<b>Total Mass. CC Transfers</b>	<b>437</b>	<b>100.0%</b>	<b>705</b>	<b>100.0%</b>	<b>231</b>	<b>100.0%</b>	<b>370</b>	<b>100.0%</b>	<b>1,743</b>	<b>100.0%</b>
Freshman	27	6.2%	177	25.1%	38	16.5%	128	34.6%	370	21.2%
Sophomore	87	19.9%	255	36.2%	61	26.4%	132	35.7%	535	30.7%
Upper-Division	323	73.9%	273	38.7%	132	57.1%	110	29.7%	838	48.1%
- Joint Admissions	308	70.5%	216	30.6%	96	41.6%	45	12.2%	665	38.2%

NOTE: Joint Admissions should be a subset of Upper Division transfer students.

## Enrollment: Table 7

### Headcount and FTE Enrollment - Fall 1996 to Fall 2006

#### UMass Amherst

	Undergraduate		Graduate		Total	
	HC	FTE	HC	FTE	HC	FTE
<b>Fall 2006</b>	<b>19,823</b>	<b>19,057</b>	<b>5,770</b>	<b>4,341</b>	<b>25,593</b>	<b>23,398</b>
Fall 2005	19,394	18,612	5,699	4,335	25,093	22,947
Fall 2004	18,966	18,114	5,680	4,296	24,646	22,410
Fall 2003	18,718	17,993	5,592	4,285	24,310	22,278
Fall 2002	18,606	17,766	5,456	4,152	24,062	21,918
Fall 2001	19,368	18,343	5,310	4,055	24,678	22,398
Fall 2000	19,061	18,047	5,355	4,058	24,416	22,105
Fall 1999	19,372	18,333	5,659	4,244	25,031	22,577
Fall 1998	18,752	17,679	5,793	4,330	24,545	22,009
Fall 1997	19,065	17,957	5,819	4,406	24,884	22,363
Fall 1996	19,467	18,241	5,955	4,532	25,422	22,773
1-year change 2005-2006	2.2%	2.4%	1.2%	0.1%	2.0%	2.0%

NOTE: Continuing Education numbers are folded into undergraduate and graduate numbers.

#### UMass Boston

	Undergraduate		Graduate		Total	
	HC	FTE	HC	FTE	HC	FTE
<b>Fall 2006</b>	<b>9,246</b>	<b>6,732</b>	<b>3,116</b>	<b>2,123</b>	<b>12,362</b>	<b>8,855</b>
Fall 2005	8,958	6,510	2,904	2,019	11,862	8,529
Fall 2004	8,832	6,484	2,850	1,976	11,682	8,460
Fall 2003	9,650	6,904	2,744	1,891	12,394	8,795
Fall 2002	10,071	7,057	2,648	1,795	12,719	8,852
Fall 2001	10,565	7,328	2,783	1,855	13,348	9,183
Fall 2000	10,442	7,215	2,904	1,944	13,346	9,159
Fall 1999	10,579	7,276	3,199	2,140	13,778	9,416
Fall 1998	10,132	7,061	3,349	2,304	13,481	9,365
Fall 1997	9,612	6,604	3,216	2,057	12,828	8,661
Fall 1996	9,610	6,572	3,164	2,005	12,774	8,577
1-year change 2005-2006	3.2%	3.4%	7.3%	5.2%	4.2%	3.8%

NOTE: Continuing Education numbers are folded into undergraduate and graduate numbers.

## Enrollment: Table 7 Headcount and FTE Enrollment - Fall 1996 to Fall 2006

### UMass Dartmouth

	Undergraduate		Graduate		Total	
	HC	FTE	HC	FTE	HC	FTE
<b>Fall 2006</b>	<b>7,626</b>	<b>6,830</b>	<b>1,130</b>	<b>766</b>	<b>8,756</b>	<b>7,596</b>
Fall 2005	7,519	6,694	1,030	717	8,549	7,411
Fall 2004	7,290	6,396	1,009	684	8,299	7,080
Fall 2003	7,359	6,400	925	658	8,284	7,058
Fall 2002	7,309	6,315	813	623	8,122	6,938
Fall 2001	6,638	5,672	822	610	7,460	6,282
Fall 2000	6,423	5,447	699	519	7,122	5,966
Fall 1999	6,162	5,209	801	522	6,963	5,731
Fall 1998	5,828	4,869	771	538	6,599	5,407
Fall 1997	5,655	4,665	711	494	6,366	5,159
Fall 1996	5,728	4,732	718	493	6,446	5,225
1-year change 2005-2006	1.4%	2.0%	9.7%	6.8%	2.4%	2.5%

NOTE: Continuing Education numbers are folded into undergraduate and graduate numbers.

### UMass Lowell

	Undergraduate		Graduate		Total	
	HC	FTE	HC	FTE	HC	FTE
<b>Fall 2006</b>	<b>8,649</b>	<b>6,663</b>	<b>2,559</b>	<b>1,607</b>	<b>11,208</b>	<b>8,270</b>
Fall 2005	8,309	6,471	2,357	1,478	10,666	7,949
Fall 2004	8,662	6,616	2,427	1,521	11,089	8,137
Fall 2003	9,006	6,718	2,700	1,657	11,706	8,375
Fall 2002	9,334	6,640	2,752	1,737	12,086	8,377
Fall 2001	9,650	6,631	2,747	1,688	12,397	8,319
Fall 2000	9,543	6,405	2,646	1,618	12,189	8,023
Fall 1999	9,354	6,291	2,684	1,492	12,038	7,783
Fall 1998	9,354	6,279	2,787	1,661	12,141	7,940
Fall 1997	9,542	6,394	2,780	1,678	12,322	8,072
Fall 1996	9,922	6,600	2,831	1,745	12,753	8,345
1-year change 2005-2006	4.1%	3.0%	8.6%	8.7%	5.1%	4.0%

NOTE: Continuing Education numbers are folded into undergraduate and graduate numbers.

## Enrollment: Table 7 Headcount and FTE Enrollment - Fall 1996 to Fall 2006

### UMass Worcester

	Graduate		Medical Students		Total	
	HC	FTE	HC	FTE	HC	FTE
<b>Fall 2006</b>	<b>597</b>	<b>623</b>	<b>423</b>	<b>423</b>	<b>1,020</b>	<b>1,046</b>
Fall 2005	596	626	412	412	1,008	1,038
Fall 2004	452	476	419	419	871	895
Fall 2003	350	329	425	425	775	754
Fall 2002	311	251	421	421	732	672
Fall 2001	275	231	411	411	686	642
Fall 2000	257	209	407	407	664	616
Fall 1999	267	181	415	415	682	596
Fall 1998	265	175	411	411	676	586
Fall 1997	264	165	433	433	697	598
Fall 1996	279	187	433	433	712	620
1-year change 2005-2006	0.2%	-0.4%	2.7%	2.7%	1.2%	0.8%

NOTE: Continuing Education numbers are folded into undergraduate and graduate numbers.

### University of Massachusetts System

	Undergraduate		Graduate		Total	
	HC	FTE	HC	FTE	HC	FTE
<b>Fall 2006</b>	<b>45,344</b>	<b>39,282</b>	<b>13,595</b>	<b>9,883</b>	<b>58,939</b>	<b>49,165</b>
Fall 2005	44,180	38,287	12,998	9,587	57,178	47,874
Fall 2004	43,750	37,610	12,837	9,372	56,587	46,982
Fall 2003	44,733	38,015	12,736	9,245	57,469	47,260
Fall 2002	45,320	37,778	12,401	8,979	57,721	46,757
Fall 2001	46,221	37,974	12,348	8,850	58,569	46,824
Fall 2000	45,469	37,114	12,268	8,755	57,737	45,869
Fall 1999	45,467	37,109	13,025	8,994	58,492	46,103
Fall 1998	44,066	35,888	13,376	9,419	57,442	45,307
Fall 1997	43,874	35,620	13,223	9,233	57,097	44,853
Fall 1996	44,727	36,145	13,380	9,395	58,107	45,540
1-year change 2005-2006	2.6%	2.6%	4.6%	3.1%	3.1%	2.7%

NOTE: Continuing Education numbers are folded into undergraduate and graduate numbers.



## Enrollment: Table 8

### Undergraduate Enrollment - Fall 2006

by time status, residency, gender, class level, and race/ethnicity

*by time status, residency, gender, and class level*

	Amherst		Boston		Dartmouth		Lowell		University	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
<b>TOTAL</b>	<b>19,823</b>	<b>100.0%</b>	<b>9,246</b>	<b>100.0%</b>	<b>7,626</b>	<b>100.0%</b>	<b>8,649</b>	<b>100.0%</b>	<b>45,344</b>	<b>100.0%</b>
Full-time	18,435	93.0%	5,779	62.5%	6,600	86.5%	5,899	68.2%	36,713	81.0%
Part-time	1,388	7.0%	3,467	37.5%	1,026	13.5%	2,750	31.8%	8,631	19.0%
In-State	15,820	79.8%	8,219	88.9%	7,245	95.0%	7,640	88.3%	38,924	85.8%
Out-of-State	4,003	20.2%	1,027	11.1%	381	5.0%	1,009	11.7%	6,420	14.2%
US Residents	19,615	99.0%	8,971	97.0%	7,594	99.6%	8,585	99.3%	44,765	98.7%
Non-Resident Aliens	208	1.0%	275	3.0%	32	0.4%	64	0.7%	579	1.3%
Female	9,810	49.5%	5,287	57.2%	3,892	51.0%	3,432	39.7%	22,421	49.4%
Male	10,013	50.5%	3,959	42.8%	3,734	49.0%	5,217	60.3%	22,923	50.6%
Freshman	5,071	25.6%	2,124	23.0%	2,176	28.5%	2,144	24.8%	11,515	25.4%
Sophomore	5,075	25.6%	1,796	19.4%	1,821	23.9%	1,343	15.5%	10,035	22.1%
Junior	4,735	23.9%	1,866	20.2%	1,512	19.8%	1,543	17.8%	9,656	21.3%
Senior	4,357	22.0%	1,930	20.9%	1,819	23.9%	1,518	17.6%	9,624	21.2%
Unclassified, degree-seeking	61	0.3%	392	4.2%	0	0.0%	0	0.0%	453	1.0%
Non-matriculating	524	2.6%	1,138	12.3%	298	3.9%	2,101	24.3%	4,061	9.0%

NOTE: Continuing Education numbers are folded into undergraduate and graduate numbers; UMBoston UG unknown residency (326) included in out-of-state; UMBoston UG unknown residency (254) included in US residents.

*by race/ethnicity of U.S. citizens and permanent residents*

	Amherst		Boston		Dartmouth		Lowell		University	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
<b>TOTAL</b>	<b>19,823</b>	<b>100.0%</b>	<b>9,246</b>	<b>100%</b>	<b>7,626</b>	<b>100%</b>	<b>8,649</b>	<b>100%</b>	<b>45,344</b>	<b>100%</b>
African-American	770	4.3%	1,275	16.9%	337	4.9%	359	5.1%	2,741	7.0%
Asian	1,464	8.2%	1,081	14.3%	196	2.8%	617	8.8%	3,358	8.5%
Cape Verdean	108	0.6%	123	1.6%	164	2.4%	14	0.2%	409	1.0%
Hispanic/Latino	696	3.9%	679	9.0%	183	2.6%	423	6.1%	1,981	5.0%
Native American	64	0.4%	42	0.6%	40	0.6%	25	0.4%	171	0.4%
White	14,769	82.6%	4,339	57.6%	6,014	86.7%	5,553	79.4%	30,675	78.0%
<i>U.S. Students of Color</i>	<i>3,102</i>	<i>17.4%</i>	<i>3,200</i>	<i>42.4%</i>	<i>920</i>	<i>13.3%</i>	<i>1,438</i>	<i>20.6%</i>	<i>8,660</i>	<i>22.0%</i>
Non-Reporting/Non-Resident Aliens	1,952		1,707		692		1,658		6,009	

NOTE: Continuing Education numbers are folded into undergraduate and graduate numbers.

## Enrollment: Table 9 Graduate Enrollment - Fall 2006

by time status, residency, gender, class level, and race/ethnicity

### *by time status, residency, gender, and class level*

	Amherst		Boston		Dartmouth		Lowell		Worcester		University	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
<b>TOTAL</b>	<b>5,770</b>	<b>100.0%</b>	<b>3,116</b>	<b>100.0%</b>	<b>1,130</b>	<b>100.0%</b>	<b>2,559</b>	<b>100.0%</b>	<b>1,020</b>	<b>100.0%</b>	<b>13,595</b>	<b>100.0%</b>
Full-time	2,141	37.1%	913	29.3%	364	32.2%	771	30.1%	971	95.2%	5,160	38.0%
Part-time	3,629	62.9%	2,203	70.7%	766	67.8%	1,788	69.9%	49	4.8%	8,435	62.0%
In-State	2,342	40.6%	2,352	75.5%	707	62.6%	1,814	70.9%	755	74.0%	7,970	58.6%
Out-of-State	3,428	59.4%	764	24.5%	423	37.4%	745	29.1%	265	26.0%	5,625	41.4%
US Residents	4,548	78.8%	2,897	93.0%	825	73.0%	2,224	86.9%	884	86.7%	11,378	83.7%
Non-Resident Aliens	1,222	21.2%	219	7.0%	305	27.0%	335	13.1%	136	13.3%	2,217	16.3%
Female	2,973	51.5%	2,145	68.8%	606	53.6%	1,217	47.6%	619	60.7%	7,560	55.6%
Male	2,797	48.5%	971	31.2%	524	46.4%	1,342	52.4%	401	39.3%	6,035	44.4%
Master's/CAGS	2,778	48.1%	2,273	72.9%	866	76.6%	1,137	44.4%	208	20.4%	7,262	53.4%
Doctoral	2,289	39.7%	353	11.3%	48	4.2%	515	20.1%	769	75.4%	3,974	29.2%
Non-matriculating	703	12.2%	490	15.7%	216	19.1%	907	35.4%	43	4.2%	2,359	17.4%

NOTE: Continuing Education numbers are folded into undergraduate and graduate numbers; UMBoston GRAD unknown residency (219) included in out-of-state; UMBoston GRAD unknown residency (129) included in US residents.

### *by race/ethnicity of U.S. citizens and permanent residents*

	Amherst		Boston		Dartmouth		Lowell		Worcester		University	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
<b>TOTAL</b>	<b>5,770</b>	<b>100.0%</b>	<b>3,116</b>	<b>100.0%</b>	<b>1,130</b>	<b>100%</b>	<b>2,559</b>	<b>100%</b>	<b>1,020</b>	<b>100%</b>	<b>13,595</b>	<b>100%</b>
African-American	209	5.5%	204	7.9%	11	1.5%	76	4.2%	30	3.6%	530	5.5%
Asian	203	5.4%	145	5.6%	23	3.2%	177	9.8%	97	11.8%	645	6.7%
Cape Verdean	8	0.2%	18	0.7%	5	0.7%	0	0.0%	0	0.0%	31	0.3%
Hispanic/Latino	207	5.5%	116	4.5%	18	2.5%	59	3.3%	14	1.7%	414	4.3%
Native American	17	0.5%	6	0.2%	2	0.3%	4	0.2%	4	0.5%	33	0.3%
White	3,125	82.9%	2,080	81.0%	664	91.8%	1,483	82.4%	678	82.4%	8,030	82.9%
<i>U.S. Students of Color</i>	<i>644</i>	<i>17.1%</i>	<i>489</i>	<i>19.0%</i>	<i>59</i>	<i>8.2%</i>	<i>316</i>	<i>17.6%</i>	<i>145</i>	<i>17.6%</i>	<i>1,653</i>	<i>17.1%</i>
Non-Reporting/Non-Resident Aliens	2,001		547		407		760		197		3,912	

NOTE: Continuing Education numbers are folded into undergraduate and graduate numbers.

## Enrollment: Table 10

### 12-Month Headcount - 2005-2006

UNDERGRADUATE					
	Summer 2005	Fall 2005	Winter 2006	Spring 2006	Unduplicated Total 2005-06
<b>University Total</b>	<b>11,876</b>	<b>44,184</b>	<b>3,048</b>	<b>41,686</b>	<b>53,949</b>
Amherst	3,113	19,398	1,791	18,499	22,092
Boston	4,230	8,958	453	8,251	12,581
Dartmouth	1,736	7,519	499	7,073	8,644
Lowell	2,797	8,309	305	7,863	10,632
Worcester	-	-	-	-	-

GRADUATE					
	Summer 2005	Fall 2005	Winter 2006	Spring 2006	Unduplicated Total 2005-06
<b>University Total</b>	<b>4,859</b>	<b>12,898</b>	<b>274</b>	<b>12,493</b>	<b>17,259</b>
Amherst	1,807	6,011	239	5,789	7,137
Boston	1,558	2,904	25	2,764	4,648
Dartmouth	388	1,030	10	1,039	1,388
Lowell	675	2,357	0	2,279	3,023
Worcester	431	596	0	622	1,063

TOTAL					
	Summer 2005	Fall 2005	Winter 2006	Spring 2006	Unduplicated Total 2005-06
<b>University Total</b>	<b>16,735</b>	<b>57,082</b>	<b>3,322</b>	<b>54,179</b>	<b>71,208</b>
Amherst	4,920	25,409	2,030	24,288	29,229
Boston	5,788	11,862	478	11,015	17,229
Dartmouth	2,124	8,549	509	8,112	10,032
Lowell	3,472	10,666	305	10,142	13,655
Worcester	431	596	0	622	1,063

NOTE: Annual unduplicated HC enrollment includes all students enrolled in degree-granting and non-degree for-credit programs between July 1, 2005 and June 30, 2006 as reported to IPEDS.

## Enrollment: Table 11

### 12-Month Credit Hour Activity and FTE - 2005-2006

UNDERGRADUATE						
	DAY		CONTINUING ED		TOTAL	
	Credit Hour Activity	FTE	Credit Hour Activity	FTE	Credit Hour Activity	FTE
<b>University Total</b>	<b>1,063,202</b>	<b>35,440</b>	<b>130,544</b>	<b>4,351</b>	<b>1,193,746</b>	<b>39,791</b>
Amherst	536,406	17,880	35,888	1,196	572,294	19,077
Boston	174,095	5,803	39,998	1,333	214,093	7,136
Dartmouth	181,114	6,037	21,758	725	202,872	6,762
Lowell	171,587	5,720	32,900	1,097	204,487	6,816
Worcester	-	-	-	-	-	-

GRADUATE						
	DAY		CONTINUING ED		TOTAL	
	Credit Hour Activity	FTE	Credit Hour Activity	FTE	Credit Hour Activity	FTE
<b>University Total</b>	<b>133,692</b>	<b>7,754</b>	<b>51,339</b>	<b>2,850</b>	<b>185,031</b>	<b>10,605</b>
Amherst	59,165	3,287	25,516	1,418	84,681	4,705
Boston	27,912	1,551	16,658	925	44,570	2,476
Dartmouth	10,574	587	4,360	242	14,934	830
Lowell	25,121	1,396	4,294	239	29,415	1,634
Worcester	10,920	933	511	27	11,431	960

TOTAL						
	DAY		CONTINUING ED		TOTAL	
	Credit Hour Activity	FTE	Credit Hour Activity	FTE	Credit Hour Activity	FTE
<b>University Total</b>	<b>1,196,894</b>	<b>43,194</b>	<b>181,883</b>	<b>7,202</b>	<b>1,378,777</b>	<b>50,396</b>
Amherst	595,571	21,167	61,404	2,614	656,975	23,781
Boston	202,007	7,354	56,656	2,258	258,663	9,612
Dartmouth	191,688	6,625	26,118	968	217,806	7,592
Lowell	196,708	7,115	37,194	1,335	233,902	8,451
Worcester	10,920	933	511	27	11,431	960

NOTES: 12-month credit hour activity as reported to IPEDS; MDs not included in credit hour activity but included in FTE; UG FTE = 30 cr.; GR FTE = 18 cr.; UMW Graduate School of Biomedical Science FTE = 24 credits

## Retention & Graduation: Table 12

### Freshmen Retention Rates - Fall 2002 Cohort - Fall 2005 Cohort

		Fall 2002 Cohort	Fall 2003 Cohort	Fall 2004 Cohort	Fall 2005 Cohort
<b>University Total</b>					
	Cohort	6,489	7,130	7,172	7,897
	Returned	5,152	5,639	5,745	6,228
	<b>Retention Rate</b>	<b>79.4%</b>	<b>79.1%</b>	<b>80.1%</b>	<b>78.9%</b>
<b>Amherst</b>					
	Cohort	3,296	4,042	4,193	4,402
	Returned	2,766	3,327	3,527	3,641
	<b>Retention Rate</b>	<b>83.9%</b>	<b>82.3%</b>	<b>84.1%</b>	<b>82.7%</b>
<b>Boston</b>					
	Cohort	479	567	521	723
	Returned	334	400	371	508
	<b>Retention Rate</b>	<b>69.7%</b>	<b>70.5%</b>	<b>71.2%</b>	<b>70.3%</b>
<b>Dartmouth</b>					
	Cohort	1,701	1,513	1,462	1,707
	Returned	1,289	1,151	1,115	1,268
	<b>Retention Rate</b>	<b>75.8%</b>	<b>76.1%</b>	<b>76.3%</b>	<b>74.3%</b>
<b>Lowell</b>					
	Cohort	1,013	1,008	996	1,065
	Returned	763	761	732	811
	<b>Retention Rate</b>	<b>75.3%</b>	<b>75.5%</b>	<b>73.5%</b>	<b>76.2%</b>

## Retention & Graduation: Table 13

### Six-Year Graduation Rates - Fall 1997 Cohort - Fall 2000 Cohort

		Fall 1997 Cohort	Fall 1998 Cohort	Fall 1999 Cohort	Fall 2000 Cohort
<b>University Total</b>					
	Cohort	6,060	6,478	6,746	6,583
	Graduated	3,377	3,518	3,883	3,713
	<b>Graduation Rate</b>	<b>55.7%</b>	<b>54.3%</b>	<b>57.6%</b>	<b>56.4%</b>
<b>Amherst</b>					
	Cohort	3,701	3,812	4,005	3,689
	Graduated	2,366	2,352	2,631	2,416
	<b>Graduation Rate</b>	<b>63.9%</b>	<b>61.7%</b>	<b>65.7%</b>	<b>65.5%</b>
<b>Boston</b>					
	Cohort	535	580	673	595
	Graduated	180	162	235	212
	<b>Graduation Rate</b>	<b>33.6%</b>	<b>27.9%</b>	<b>34.9%</b>	<b>35.6%</b>
<b>Dartmouth</b>					
	Cohort	835	1,089	1,133	1,303
	Graduated	413	548	572	626
	<b>Graduation Rate</b>	<b>49.5%</b>	<b>50.3%</b>	<b>50.5%</b>	<b>48.0%</b>
<b>Lowell</b>					
	Cohort	989	997	935	996
	Graduated	418	456	445	459
	<b>Graduation Rate</b>	<b>42.3%</b>	<b>45.7%</b>	<b>47.6%</b>	<b>46.1%</b>

## Degrees: Table 14

### Degrees Conferred - 2005-2006

by program area and degree

#### UMass Amherst

	Associate		Baccalaureate		Masters/CAGS		Doctoral		Total	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
<b>TOTAL</b>	<b>70</b>	<b>1%</b>	<b>4,038</b>	<b>73%</b>	<b>1,189</b>	<b>21%</b>	<b>253</b>	<b>5%</b>	<b>5,550</b>	<b>100%</b>
01. Agricultural Business and Production	70	100%	154	4%	15	1%	9	4%	248	4%
02. Agricultural Sciences	-	0%	106	3%	19	2%	3	1%	128	2%
03. Conservation & Renew. Natural Resources	-	0%	-	0%	-	0%	-	0%	-	0%
04. Architecture and Related Programs	-	0%	41	1%	31	3%	2	1%	74	1%
05. Area, Ethnic and Cultural Studies	-	0%	17	0%	1	0%	2	1%	20	0%
09. Communications	-	0%	353	9%	4	0%	8	3%	365	7%
11. Computer and Information Sciences	-	0%	77	2%	40	3%	15	6%	132	2%
13. Education	-	0%	1	0%	307	26%	30	12%	338	6%
14. Engineering	-	0%	215	5%	79	7%	21	8%	315	6%
15. Engineering-Related Technologies	-	0%	-	0%	1	0%	-	0%	1	0%
16. Foreign Languages and Literatures	-	0%	125	3%	29	2%	13	5%	167	3%
19. Home Economics	-	0%	21	1%	-	0%	-	0%	21	0%
22. Law and Legal Studies	-	0%	78	2%	-	0%	-	0%	78	1%
23. English Language and Literature/Letters	-	0%	153	4%	24	2%	10	4%	187	3%
24. Liberal/General Studies and Humanities	-	0%	95	2%	-	0%	-	0%	95	2%
26. Biological Sciences/Life Sciences	-	0%	238	6%	31	3%	19	8%	288	5%
27. Mathematics	-	0%	67	2%	18	2%	2	1%	87	2%
30. Multi/Interdisciplinary Studies	-	0%	125	3%	3	0%	5	2%	133	2%
31. Parks, Recreation, Leisure & Fitness	-	0%	209	5%	39	3%	4	2%	252	5%
38. Philosophy and Religion	-	0%	27	1%	2	0%	4	2%	33	1%
40. Physical Sciences	-	0%	62	2%	41	3%	44	17%	147	3%
41. Science Technologies	-	0%	-	0%	-	0%	-	0%	-	0%
42. Psychology	-	0%	317	8%	12	1%	14	6%	343	6%
43. Protective Services	-	0%	-	0%	-	0%	-	0%	-	0%
44. Public Admin & Social Service Professions	-	0%	-	0%	17	1%	-	0%	17	0%
45. Social Sciences	-	0%	566	14%	36	3%	31	12%	633	11%
50. Visual and Performing Arts	-	0%	139	3%	51	4%	-	0%	190	3%
51. Health Professions & Related Sciences	-	0%	153	4%	127	11%	3	1%	283	5%
52. Business, Mngt, Mktg & Related Support Serv	-	0%	577	14%	243	20%	12	5%	832	15%
54. History	-	0%	122	3%	19	2%	2	1%	143	3%

## Degrees: Table 14

### Degrees Conferred - 2005-2006

by program area and degree

#### UMass Boston

	Certificate		Baccalaureate		Masters/CAGS		Doctoral		Total	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
<b>TOTAL</b>	<b>140</b>	<b>6%</b>	<b>1,606</b>	<b>65%</b>	<b>686</b>	<b>28%</b>	<b>21</b>	<b>1%</b>	<b>2,453</b>	<b>100%</b>
03. Conservation & Renew. Natural Resources	-	0%	-	0%	3	0%	3	14%	6	0%
05. Area, Ethnic and Cultural Studies	-	0%	22	1%	17	2%	-	0%	39	2%
09. Communications	-	0%	2	0%	-	0%	-	0%	2	0%
11. Computer and Information Sciences	2	1%	27	2%	16	2%	-	0%	45	2%
13. Education	44	31%	31	2%	290	42%	7	33%	372	15%
14. Engineering	-	0%	-	0%	-	0%	-	0%	-	0%
16. Foreign Languages and Literatures	-	0%	17	1%	44	6%	-	0%	61	2%
22. Law and Legal Studies	1	1%	12	1%	-	0%	-	0%	13	1%
23. English Language and Literature/Letters	-	0%	114	7%	33	5%	-	0%	147	6%
26. Biological Sciences/Life Sciences	-	0%	95	6%	10	1%	-	0%	105	4%
27. Mathematics	-	0%	10	1%	-	0%	-	0%	10	0%
30. Multi/Interdisciplinary Studies	11	8%	18	1%	13	2%	2	10%	44	2%
38. Philosophy and Religion	-	0%	19	1%	-	0%	-	0%	19	1%
40. Physical Sciences	3	2%	8	0%	9	1%	-	0%	20	1%
42. Psychology	-	0%	222	14%	53	8%	4	19%	279	11%
43. Protective Services	-	0%	88	5%	-	0%	-	0%	88	4%
44. Public Admin & Social Service Professions	13	9%	50	3%	49	7%	1	5%	113	5%
45. Social Sciences	53	38%	271	17%	22	3%	-	0%	346	14%
50. Visual and Performing Arts	-	0%	54	3%	-	0%	-	0%	54	2%
51. Health Professions & Related Sciences	12	9%	148	9%	46	7%	4	19%	210	9%
52. Business, Mngt, Mktg & Related Support Serv	1	1%	361	22%	69	10%	-	0%	431	18%
54. History	-	0%	37	2%	12	2%	-	0%	49	2%



**Degrees: Table 14**  
**Degrees Conferred - 2005-2006**  
 by program area and degree

**UMass Dartmouth**

	Associate		Baccalaureate		Masters/CAGS		Doctoral		Total	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
<b>TOTAL</b>	-	<b>0.0%</b>	<b>1,153</b>	<b>82%</b>	<b>249</b>	<b>18%</b>	<b>4</b>	<b>0%</b>	<b>1,406</b>	<b>100%</b>
09. Communications	-	-	-	0%	-	0%	-	0%	-	0%
11. Computer and Information Sciences	-	-	35	3%	25	10%	-	0%	60	4%
13. Education	-	-	7	1%	25	10%	-	0%	32	2%
14. Engineering	-	-	79	7%	31	12%	4	100%	114	8%
15. Engineering-Related Technologies	-	-	-	0%	-	0%	-	0%	-	0%
16. Foreign Languages and Literatures	-	-	10	1%	-	0%	-	0%	10	1%
19. Home Economics	-	-	-	0%	-	0%	-	0%	-	0%
22. Law and Legal Studies	-	-	-	0%	-	0%	-	0%	-	0%
23. English Language and Literature/Letters	-	-	69	6%	12	5%	-	0%	81	6%
24. Liberal/General Studies and Humanities	-	-	59	5%	-	0%	-	0%	59	4%
26. Biological Sciences/Life Sciences	-	-	43	4%	9	4%	-	0%	52	4%
27. Mathematics	-	-	6	1%	-	0%	-	0%	6	0%
30. Multi/Interdisciplinary Studies	-	-	5	0%	-	0%	-	0%	5	0%
31. Parks, Recreation, Leisure & Fitness	-	-	-	0%	-	0%	-	0%	-	0%
38. Philosophy and Religion	-	-	2	0%	-	0%	-	0%	2	0%
40. Physical Sciences	-	-	9	1%	10	4%	-	0%	19	1%
41. Science Technologies	-	-	-	0%	-	0%	-	0%	-	0%
42. Psychology	-	-	106	9%	10	4%	-	0%	116	8%
43. Protective Services	-	-	-	0%	-	0%	-	0%	-	0%
44. Public Admin & Social Service Professions	-	-	-	0%	-	0%	-	0%	-	0%
45. Social Sciences	-	-	124	11%	-	0%	-	0%	124	9%
50. Visual and Performing Arts	-	-	122	11%	12	5%	-	0%	134	10%
51. Health Professions & Related Sciences	-	-	108	9%	22	9%	-	0%	130	9%
52. Business, Mngt, Mktg & Related Support Serv	-	-	324	28%	93	37%	-	0%	417	30%
54. History	-	-	45	4%	-	0%	-	0%	45	3%

## Degrees: Table 14

### Degrees Conferred - 2005-2006

by program area and degree

#### UMass Lowell

	Associate		Baccalaureate		Masters/CAGS		Doctoral		Total	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
<b>TOTAL</b>	<b>29</b>	<b>2%</b>	<b>1,294</b>	<b>68%</b>	<b>480</b>	<b>25%</b>	<b>93</b>	<b>5%</b>	<b>1,896</b>	<b>100%</b>
04. Architecture and Related Programs	-	0%	-	0%	-	0%	-	0%	-	0%
05. Area, Ethnic and Cultural Studies	-	0%	3	0%	-	0%	-	0%	3	0%
09. Communications	-	0%	-	0%	-	0%	-	0%	-	0%
11. Computer and Information Sciences	16	55%	153	12%	41	9%	3	3%	213	11%
13. Education	-	0%	11	1%	101	21%	18	19%	130	7%
14. Engineering	-	0%	162	13%	102	21%	18	19%	282	15%
15. Engineering-Related Technologies	9	31%	29	2%	6	1%	-	0%	44	2%
16. Foreign Languages and Literatures	-	0%	4	0%	-	0%	-	0%	4	0%
19. Home Economics	-	0%	-	0%	-	0%	-	0%	-	0%
22. Law and Legal Studies	-	0%	-	0%	-	0%	-	0%	-	0%
23. English Language and Literature/Letters	-	0%	45	3%	-	0%	-	0%	45	2%
24. Liberal/General Studies and Humanities	-	0%	74	6%	-	0%	-	0%	74	4%
26. Biological Sciences/Life Sciences	-	0%	27	2%	28	6%	2	2%	57	3%
27. Mathematics	-	0%	14	1%	15	3%	-	0%	29	2%
30. Multi/ Interdisciplinary Studies	-	0%	-	0%	-	0%	-	0%	-	0%
31. Parks, Recreation, Leisure & Fitness	-	0%	-	0%	-	0%	-	0%	-	0%
38. Philosophy and Religion	-	0%	14	1%	-	0%	-	0%	14	1%
40. Physical Sciences	-	0%	26	2%	24	5%	15	16%	65	3%
41. Science Technologies	-	0%	-	0%	-	0%	-	0%	-	0%
42. Psychology	-	0%	84	6%	14	3%	-	0%	98	5%
43. Protective Services	-	0%	155	12%	50	10%	-	0%	205	11%
44. Public Admin & Social Service Professions	-	0%	-	0%	-	0%	-	0%	-	0%
45. Social Sciences	-	0%	40	3%	17	4%	-	0%	57	3%
50. Visual and Performing Arts	-	0%	90	7%	5	1%	-	0%	95	5%
51. Health Professions & Related Sciences	-	0%	105	8%	23	5%	37	40%	165	9%
52. Business, Mngt, Mktg & Related Support Serv	4	14%	233	18%	54	11%	-	0%	291	15%
54. History	-	0%	25	2%	-	0%	-	0%	25	1%

**Degrees: Table 14**  
**Degrees Conferred - 2005-2006**  
 by program area and degree

**UMass Worcester**

	Certificate		Masters/CAGS		Doctoral		MD		Total	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
<b>TOTAL</b>	<b>3</b>	<b>2%</b>	<b>38</b>	<b>24%</b>	<b>24</b>	<b>15%</b>	<b>93</b>	<b>59%</b>	<b>158</b>	<b>100%</b>
51. Health Professions & Related Sciences	3	100%	38	100%	24	100%	93	100%	158	100%

## Degrees: Table 14

### Degrees Conferred - 2005-2006

by program area and degree

#### University of Massachusetts System

	Assoc/Certificate		Baccalaureate		Masters/CAGS		Doctoral		MD		Total	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
<b>TOTAL</b>	<b>242</b>	<b>2%</b>	<b>8,091</b>	<b>71%</b>	<b>2,642</b>	<b>23%</b>	<b>395</b>	<b>3%</b>	<b>93</b>	<b>1%</b>	<b>11,463</b>	<b>100%</b>
01. Agricultural Business and Production	70	29%	154	2%	15	1%	9	2%	-	0%	248	2%
02. Agricultural Sciences	-	0%	106	1%	19	1%	3	1%	-	0%	128	1%
03. Conservation & Renew. Natural Resources	-	0%	-	0%	3	0%	3	1%	-	0%	6	0%
04. Architecture and Related Programs	-	0%	41	1%	31	1%	2	1%	-	0%	74	1%
05. Area, Ethnic and Cultural Studies	-	0%	42	1%	18	1%	2	1%	-	0%	62	1%
09. Communications	-	0%	355	4%	4	0%	8	2%	-	0%	367	3%
11. Computer and Information Sciences	18	7%	292	4%	122	5%	18	5%	-	0%	450	4%
13. Education	44	18%	50	1%	723	27%	55	14%	-	0%	872	8%
14. Engineering	-	0%	456	6%	212	8%	43	11%	-	0%	711	6%
15. Engineering-Related Technologies	9	4%	29	0%	7	0%	-	0%	-	0%	45	0%
16. Foreign Languages and Literatures	-	0%	156	2%	73	3%	13	3%	-	0%	242	2%
19. Home Economics	-	0%	21	0%	-	0%	-	0%	-	0%	21	0%
22. Law and Legal Studies	1	0%	90	1%	-	0%	-	0%	-	0%	91	1%
23. English Language and Literature/Letters	-	0%	381	5%	69	3%	10	3%	-	0%	460	4%
24. Liberal/General Studies and Humanities	-	0%	228	3%	-	0%	-	0%	-	0%	228	2%
26. Biological Sciences/Life Sciences	-	0%	403	5%	78	3%	21	5%	-	0%	502	4%
27. Mathematics	-	0%	97	1%	33	1%	2	1%	-	0%	132	1%
30. Multi/ Interdisciplinary Studies	11	5%	148	2%	16	1%	7	2%	-	0%	182	2%
31. Parks, Recreation, Leisure & Fitness	-	0%	209	3%	39	1%	4	1%	-	0%	252	2%
38. Philosophy and Religion	-	0%	62	1%	2	0%	4	1%	-	0%	68	1%
40. Physical Sciences	3	1%	105	1%	84	3%	59	15%	-	0%	251	2%
41. Science Technologies	-	0%	-	0%	-	0%	-	0%	-	0%	-	0%
42. Psychology	-	0%	729	9%	89	3%	18	5%	-	0%	836	7%
43. Protective Services	-	0%	243	3%	50	2%	-	0%	-	0%	293	3%
44. Public Admin & Social Service Professions	13	5%	50	1%	66	2%	1	0%	-	0%	130	1%
45. Social Sciences	53	22%	1,001	12%	75	3%	31	8%	-	0%	1,160	10%
50. Visual and Performing Arts	-	0%	405	5%	68	3%	-	0%	-	0%	473	4%
51. Health Professions & Related Sciences	15	6%	514	6%	256	10%	68	17%	93	100%	946	8%
52. Business, Mngt, Mktg & Related Support Serv	5	2%	1,495	18%	459	17%	12	3%	-	0%	1,971	17%
54. History	-	0%	229	3%	31	1%	2	1%	-	0%	262	2%

## Degrees: Table 15

### Degrees Conferred - 1995-1996 to 2005-2006

#### UMass Amherst

	Associate		Baccalaureate		Masters/CAGS		Doctoral		Total
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number
<b>2005-2006</b>	<b>70</b>	<b>1.3%</b>	<b>4,038</b>	<b>72.8%</b>	<b>1,189</b>	<b>21.4%</b>	<b>253</b>	<b>4.6%</b>	<b>5,550</b>
2004-2005	54	0.9%	4,262	73.9%	1,183	20.5%	267	4.6%	5,766
2003-2004	71	1.3%	3,919	73.3%	1,083	20.3%	274	5.1%	5,347
2002-2003	73	1.4%	3,988	76.0%	976	18.6%	213	4.1%	5,250
2001-2002	74	1.4%	3,910	75.0%	940	18.0%	287	5.5%	5,211
2000-2001	71	1.3%	4,054	75.0%	1,016	18.8%	261	4.8%	5,402
1999-2000	86	1.6%	4,038	74.2%	1,043	19.2%	276	5.1%	5,443
1998-1999	67	1.4%	3,577	73.3%	969	19.8%	270	5.5%	4,883
1997-1998	109	2.0%	3,966	73.1%	1,054	19.4%	299	5.5%	5,428
1996-1997	115	2.2%	3,737	72.3%	1,037	20.1%	281	5.4%	5,170
1995-1996	94	1.9%	3,649	72.2%	974	19.3%	338	6.7%	5,055
1-year change 2004-05 to 2005-06	29.6%		-5.3%		0.5%		-5.2%		-3.7%

#### UMass Boston

	Certificate		Baccalaureate		Masters/CAGS		Doctoral		Total
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number
<b>2005-2006</b>	<b>140</b>	<b>5.7%</b>	<b>1,606</b>	<b>65.5%</b>	<b>686</b>	<b>28.0%</b>	<b>21</b>	<b>0.9%</b>	<b>2,453</b>
2004-2005	49	2.1%	1,578	66.4%	701	29.5%	48	2.0%	2,376
2003-2004	70	3.0%	1,543	66.7%	666	28.8%	36	1.6%	2,315
2002-2003	78	3.5%	1,496	66.4%	641	28.4%	39	1.7%	2,254
2001-2002	118	5.0%	1,586	67.5%	620	26.4%	26	1.1%	2,350
2000-2001	65	2.8%	1,505	65.5%	704	30.6%	24	1.0%	2,298
1999-2000	58	2.7%	1,358	63.0%	707	32.8%	31	1.4%	2,154
1998-1999	82	4.0%	1,389	67.1%	582	28.1%	18	0.9%	2,071
1997-1998	88	4.3%	1,352	66.5%	579	28.5%	15	0.7%	2,034
1996-1997	88	4.2%	1,382	65.5%	629	29.8%	10	0.5%	2,109
1995-1996	65	3.1%	1,466	70.5%	530	25.5%	19	0.9%	2,080
1-year change 2004-05 to 2005-06	185.7%		1.8%		-2.1%		-56.3%		3.2%

## Degrees: Table 15

### Degrees Conferred - 1995-1996 to 2005-2006

#### UMass Dartmouth

	Associate		Baccalaureate		Masters/CAGS		Doctoral		Total
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number
<b>2005-2006</b>	-	<b>0.0%</b>	<b>1,153</b>	<b>82.0%</b>	<b>249</b>	<b>17.7%</b>	<b>4</b>	<b>0.3%</b>	<b>1,406</b>
2004-2005	-	0.0%	1,042	80.0%	258	19.8%	2	0.2%	1,302
2003-2004	-	0.0%	1,063	83.5%	208	16.3%	2	0.2%	1,273
2002-2003	-	0.0%	1,016	82.5%	215	17.5%	1	0.1%	1,232
2001-2002	-	0.0%	943	84.3%	173	15.5%	2	0.2%	1,118
2000-2001	-	0.0%	850	83.5%	165	16.2%	3	0.3%	1,018
1999-2000	-	0.0%	912	80.5%	220	19.4%	1	0.1%	1,133
1998-1999	-	0.0%	820	84.1%	154	15.8%	1	0.1%	975
1997-1998	-	0.0%	893	84.0%	169	15.9%	1	0.1%	1,063
1996-1997	-	0.0%	914	85.8%	150	14.1%	1	0.1%	1,065
1995-1996	-	0.0%	879	86.8%	134	13.2%	-	0.0%	1,013
1-year change 2004-05 to 2005-06	0.0%		10.7%		-3.5%		100.0%		8.0%

#### UMass Lowell

	Associate		Baccalaureate		Masters/CAGS		Doctoral		Total
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number
<b>2005-2006</b>	<b>29</b>	<b>1.5%</b>	<b>1,294</b>	<b>68.2%</b>	<b>480</b>	<b>25.3%</b>	<b>93</b>	<b>4.9%</b>	<b>1,896</b>
2004-2005	41	2.0%	1,324	66.1%	565	28.2%	72	3.6%	2,002
2003-2004	48	2.4%	1,248	63.0%	589	29.7%	96	4.8%	1,981
2002-2003	33	1.8%	1,151	63.8%	550	30.5%	69	3.8%	1,803
2001-2002	37	2.2%	1,096	65.0%	510	30.2%	43	2.6%	1,686
2000-2001	39	2.3%	1,113	65.2%	505	29.6%	50	2.9%	1,707
1999-2000	39	2.4%	1,049	63.5%	512	31.0%	52	3.1%	1,652
1998-1999	42	2.5%	1,077	64.6%	504	30.2%	44	2.6%	1,667
1997-1998	42	2.4%	1,148	65.6%	508	29.0%	51	2.9%	1,749
1996-1997	38	2.1%	1,105	61.8%	579	32.4%	66	3.7%	1,788
1995-1996	42	2.4%	1,123	65.0%	489	28.3%	75	4.3%	1,729
1-year change 2004-05 to 2005-06	-29.3%		-2.3%		-15.0%		29.2%		-5.3%

## Degrees: Table 15

### Degrees Conferred - 1995-1996 to 2005-2006

#### UMass Worcester

	Certificate		Masters/CAGS		Doctoral		MD		Total
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number
<b>2005-2006</b>	<b>3</b>	<b>2%</b>	<b>38</b>	<b>24%</b>	<b>24</b>	<b>15%</b>	<b>93</b>	<b>59%</b>	<b>158</b>
2004-2005	4	2.4%	24	14.4%	35	21.0%	104	62.3%	167
2003-2004	3	1.8%	32	19.6%	30	18.4%	98	60.1%	163
2002-2003	-	0.0%	42	25.9%	24	14.8%	96	59.3%	162
2001-2002	-	0.0%	31	23.1%	14	10.4%	89	66.4%	134
2000-2001	-	0.0%	32	21.6%	22	14.9%	94	63.5%	148
1999-2000	-	0.0%	29	19.5%	20	13.4%	100	67.1%	149
1998-1999	-	0.0%	39	26.5%	13	8.8%	95	64.6%	147
1997-1998	-	0.0%	39	22.7%	24	14.0%	109	63.4%	172
1996-1997	-	0.0%	42	28.6%	9	6.1%	96	65.3%	147
1995-1996	-	0.0%	55	35.9%	7	4.6%	91	59.5%	153
1-year change 2004-05 to 2005-06	-25.0%		58.3%		-31.4%		-10.6%		-5.4%

#### University of Massachusetts System

	Assoc/Certificate		Baccalaureate		Masters/CAGS		Doctoral		MD	Total	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	
<b>2005-2006</b>	<b>242</b>	<b>2.1%</b>	<b>8,091</b>	<b>70.6%</b>	<b>2,642</b>	<b>23.0%</b>	<b>395</b>	<b>3.4%</b>	<b>93</b>	<b>0.8%</b>	<b>11,463</b>
2004-2005	148	1.3%	8,206	70.7%	2,731	23.5%	424	3.7%	104	0.9%	11,613
2003-2004	192	1.7%	7,773	70.2%	2,578	23.3%	438	4.0%	98	0.9%	11,079
2002-2003	184	1.7%	7,651	71.5%	2,424	22.7%	346	3.2%	96	0.9%	10,701
2001-2002	229	2.2%	7,535	71.8%	2,274	21.7%	372	3.5%	89	0.8%	10,499
2000-2001	175	1.7%	7,522	71.1%	2,422	22.9%	360	3.4%	94	0.9%	10,573
1999-2000	183	1.7%	7,357	69.9%	2,511	23.8%	380	3.6%	100	0.9%	10,531
1998-1999	191	2.0%	6,863	70.4%	2,248	23.1%	346	3.6%	95	1.0%	9,743
1997-1998	239	2.3%	7,359	70.4%	2,349	22.5%	390	3.7%	109	1.0%	10,446
1996-1997	241	2.3%	7,138	69.4%	2,437	23.7%	367	3.6%	96	0.9%	10,279
1995-1996	201	2.0%	7,117	71.0%	2,182	21.8%	439	4.4%	91	0.9%	10,030
1-year change 2004-05 to 2005-06	63.5%		-1.4%		-3.3%		-6.8%		-10.6%		-1.3%



# **University of Massachusetts 2007 Financial Aid Update**

*Presentation*

*Committee on Administration and Finance*

*February 2007*

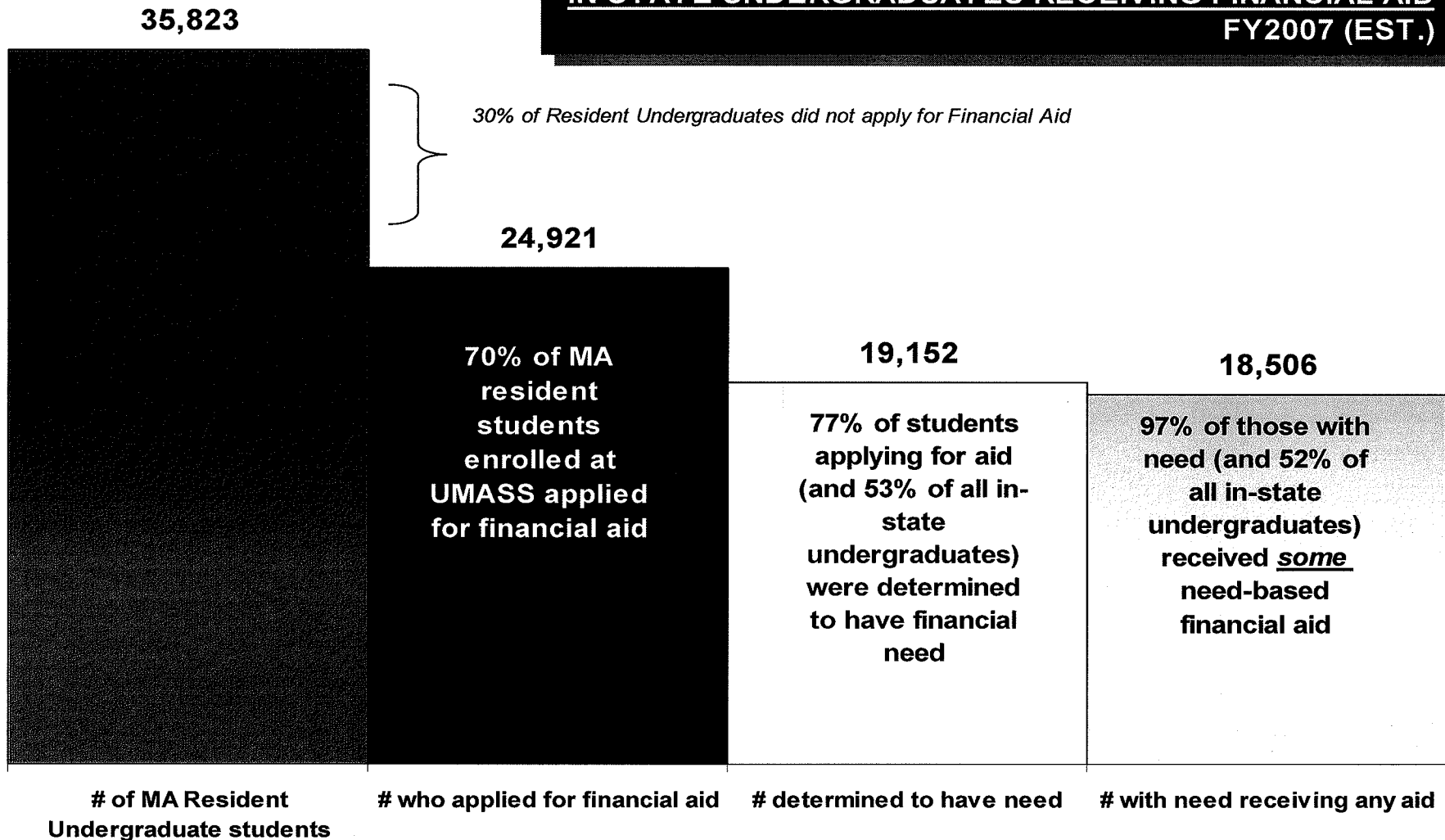
T07-016

*as of: 2.13.07*



**How many Massachusetts' resident Undergraduate students are determined to have financial need and how many receive financial aid?**

**IN-STATE UNDERGRADUATES RECEIVING FINANCIAL AID  
FY2007 (EST.)**

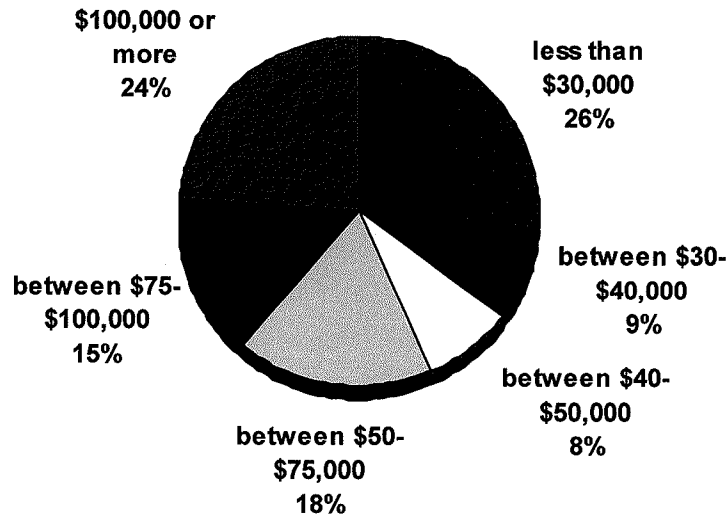


as of: 2.13.07

**Family Income of In-State Undergraduate Financial Aid Applicants**

UMass Average FY2007 est.

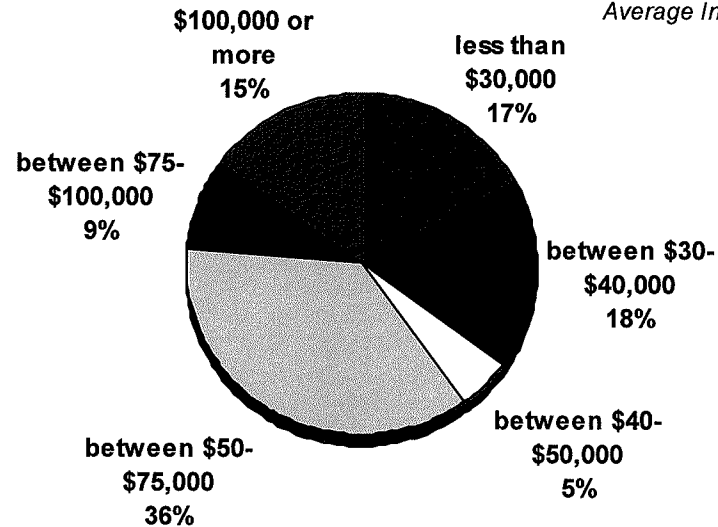
Average Income = \$64,220



**What is the family income profile of Massachusetts students applying for financial aid and those with financial need?**

**Family Income of In-State Undergraduates with Financial Need**  
UMass Average FY2007 est.

Average Income = \$46,050

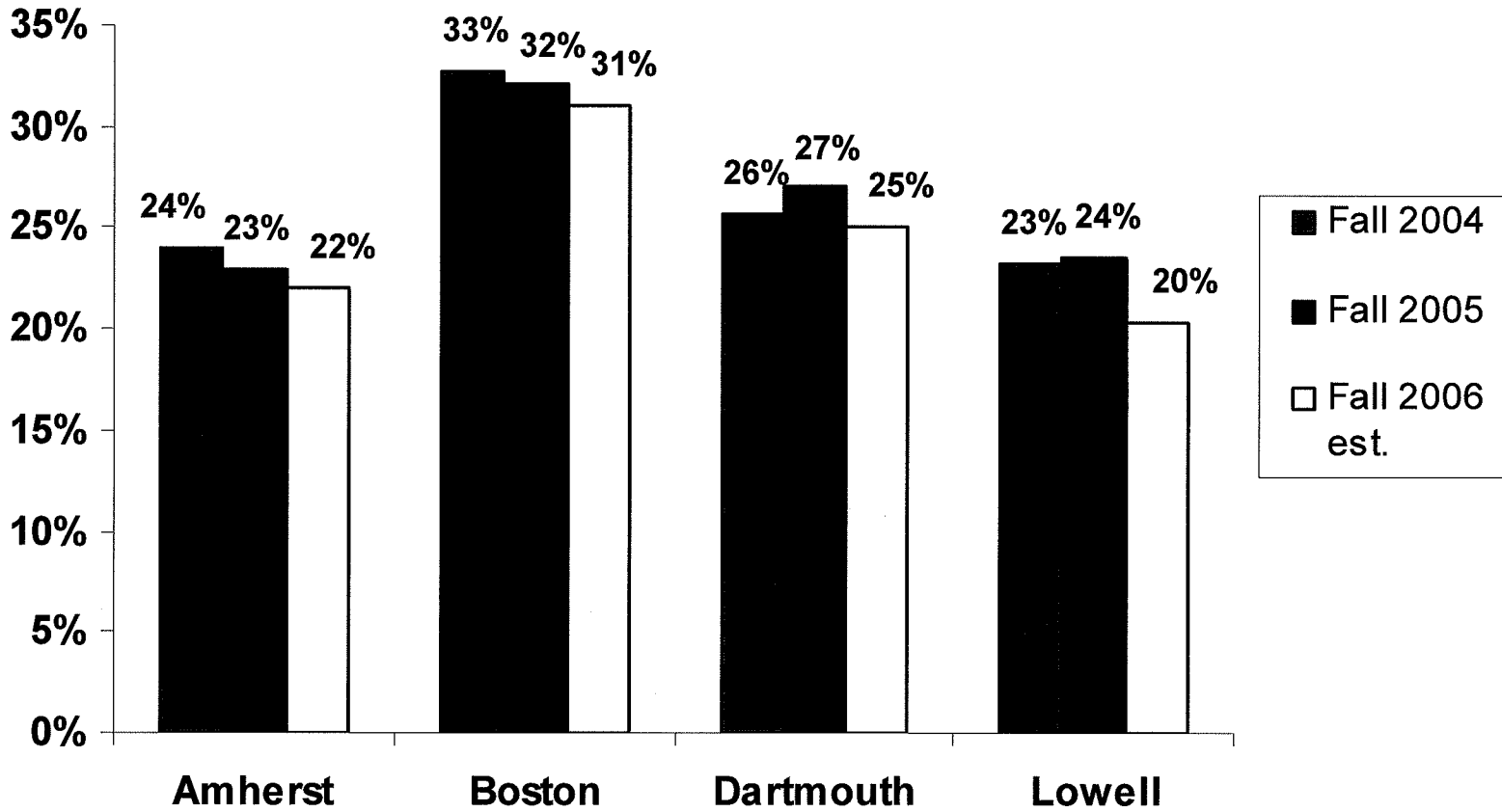


as of: 2.13.07

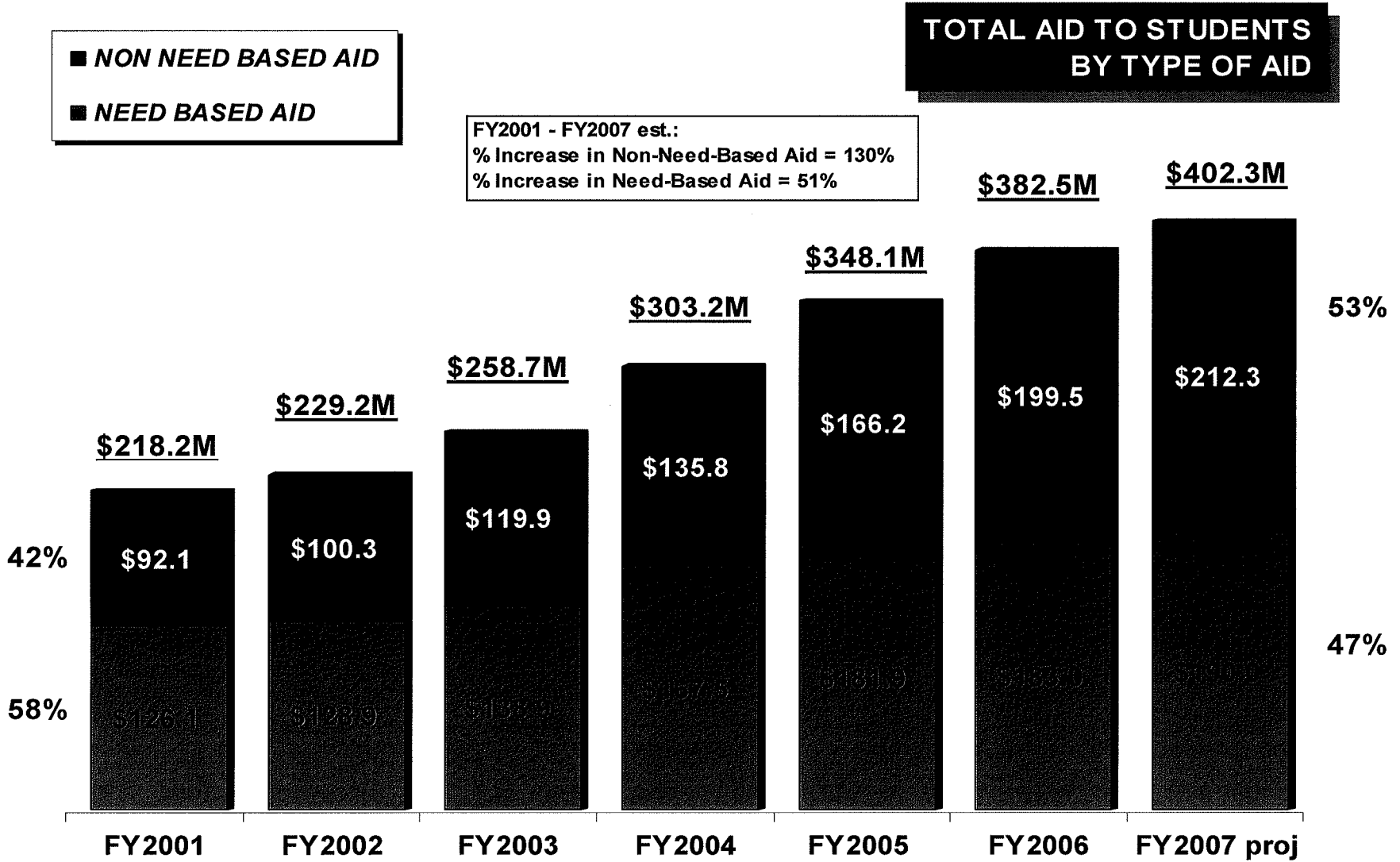
In-state Undergraduates	Avg. Family Income	Avg. Expected Family Contribution (EFC)
Amherst	\$56,817	\$7,699
Boston	\$33,519	\$4,106
Dartmouth	\$49,119	\$5,979
Lowell	\$46,641	\$5,043

# Percent of In-State Undergraduates Receiving Pell Grants

Fall 2004 - Fall 2006 est.



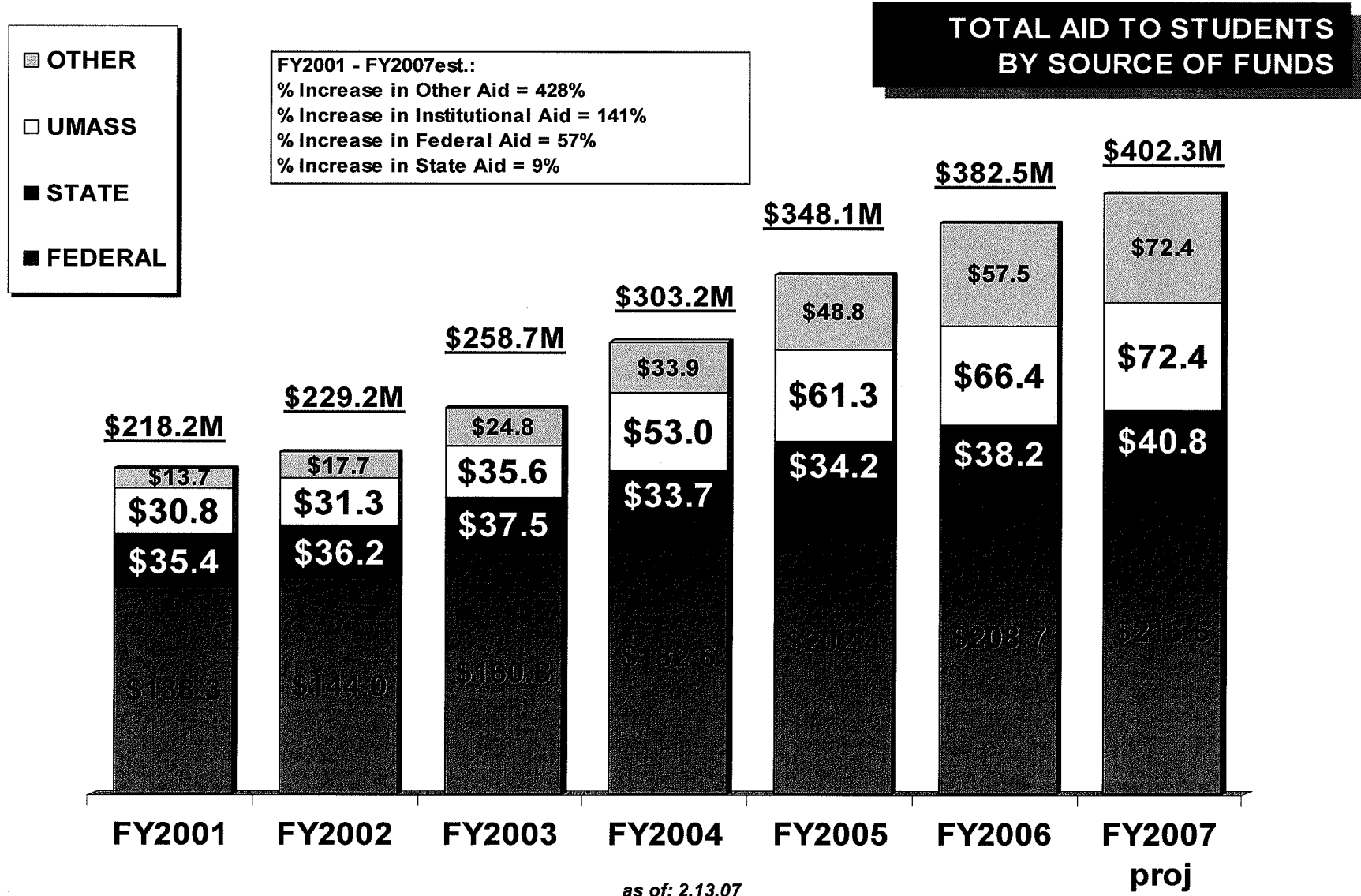
# How much financial aid do UMASS students receive?



as of: 2.13.07

Data includes Undergraduate and Graduate Students

# What are the sources of the financial aid dollars received by UMASS students?

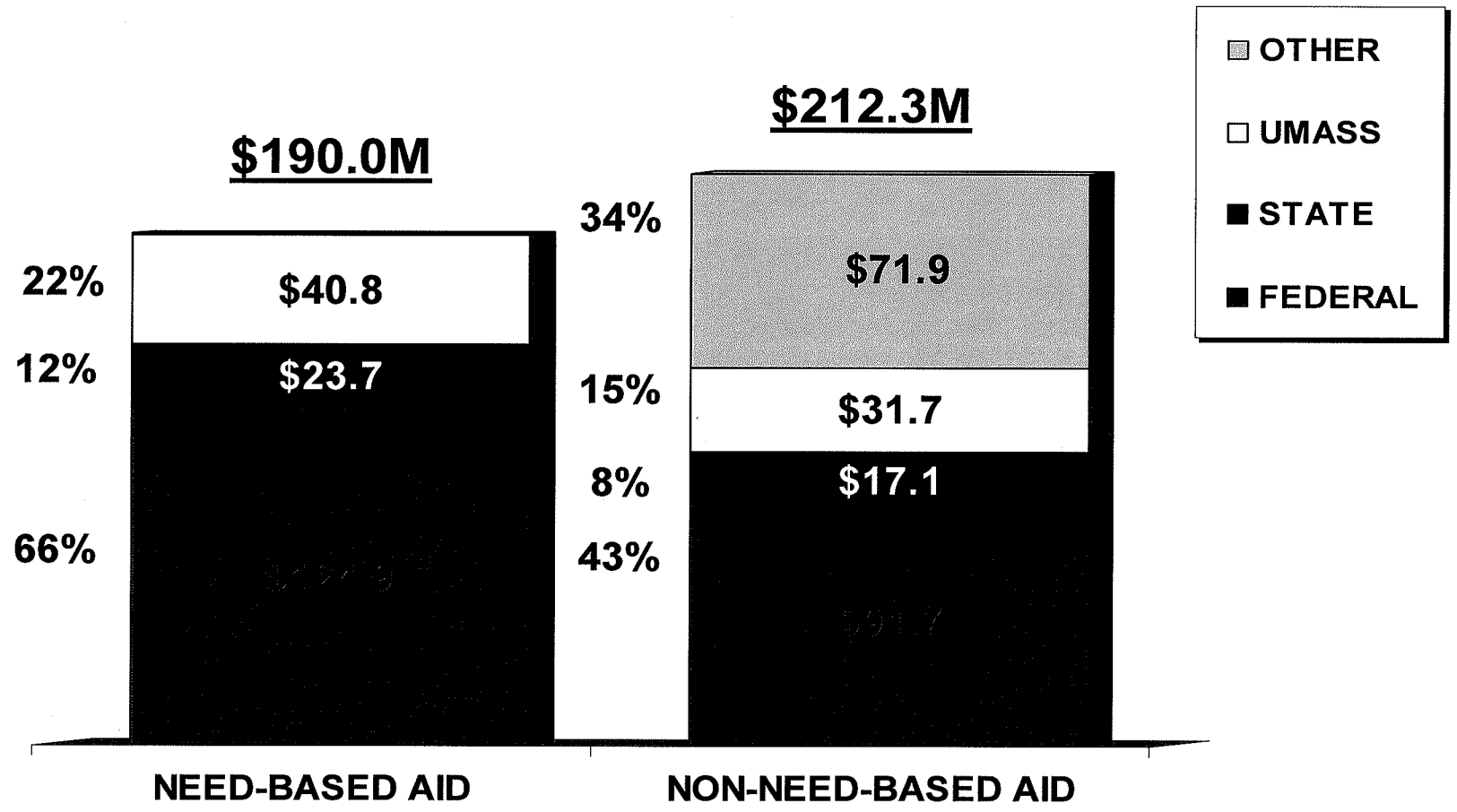


as of: 2.13.07

*Data includes Undergraduate and Graduate Students*

**What are the sources of the financial aid dollars received by UMASS students (Need vs. Non-Need-Based Aid)?**

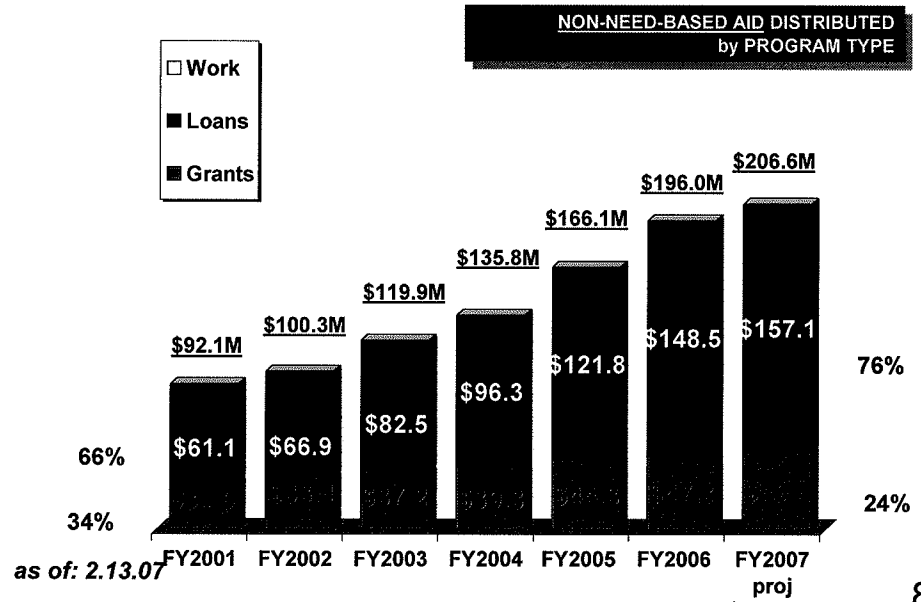
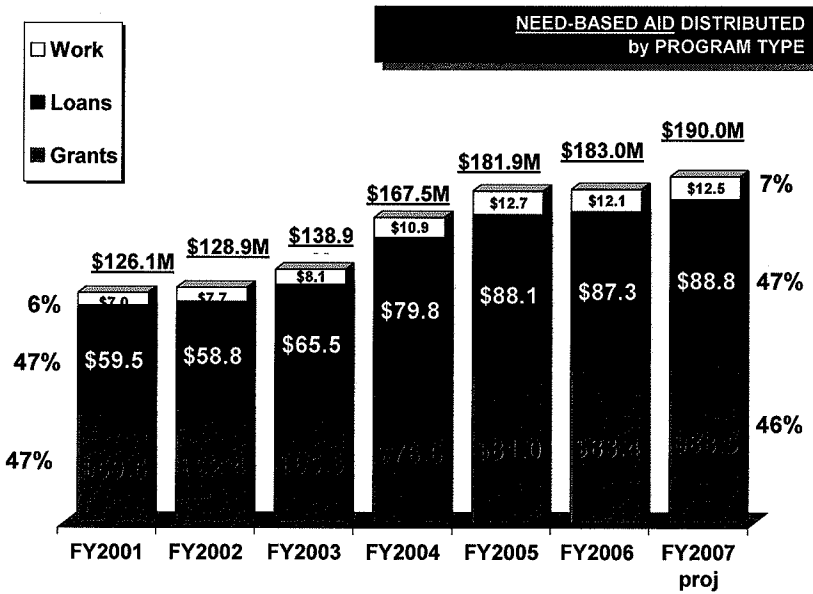
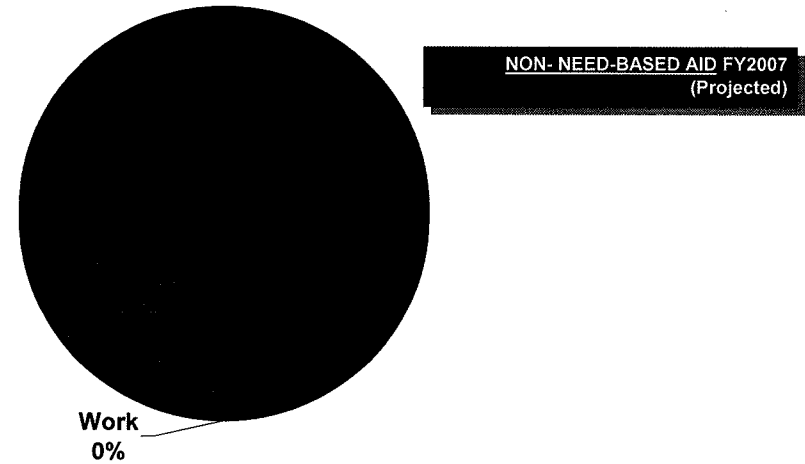
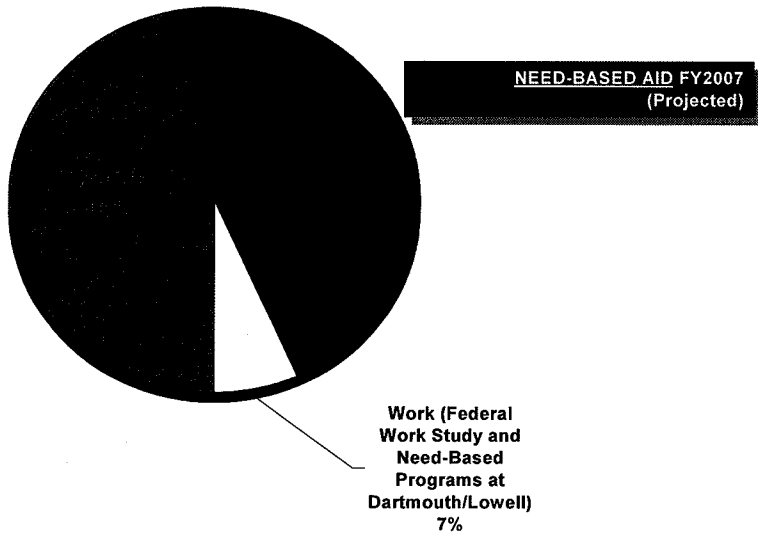
**DISTRIBUTION OF AID BY SOURCE OF FUNDS  
FY2007 (EST.)**



as of: 2.13.07

*Data includes Undergraduate and Graduate Students*

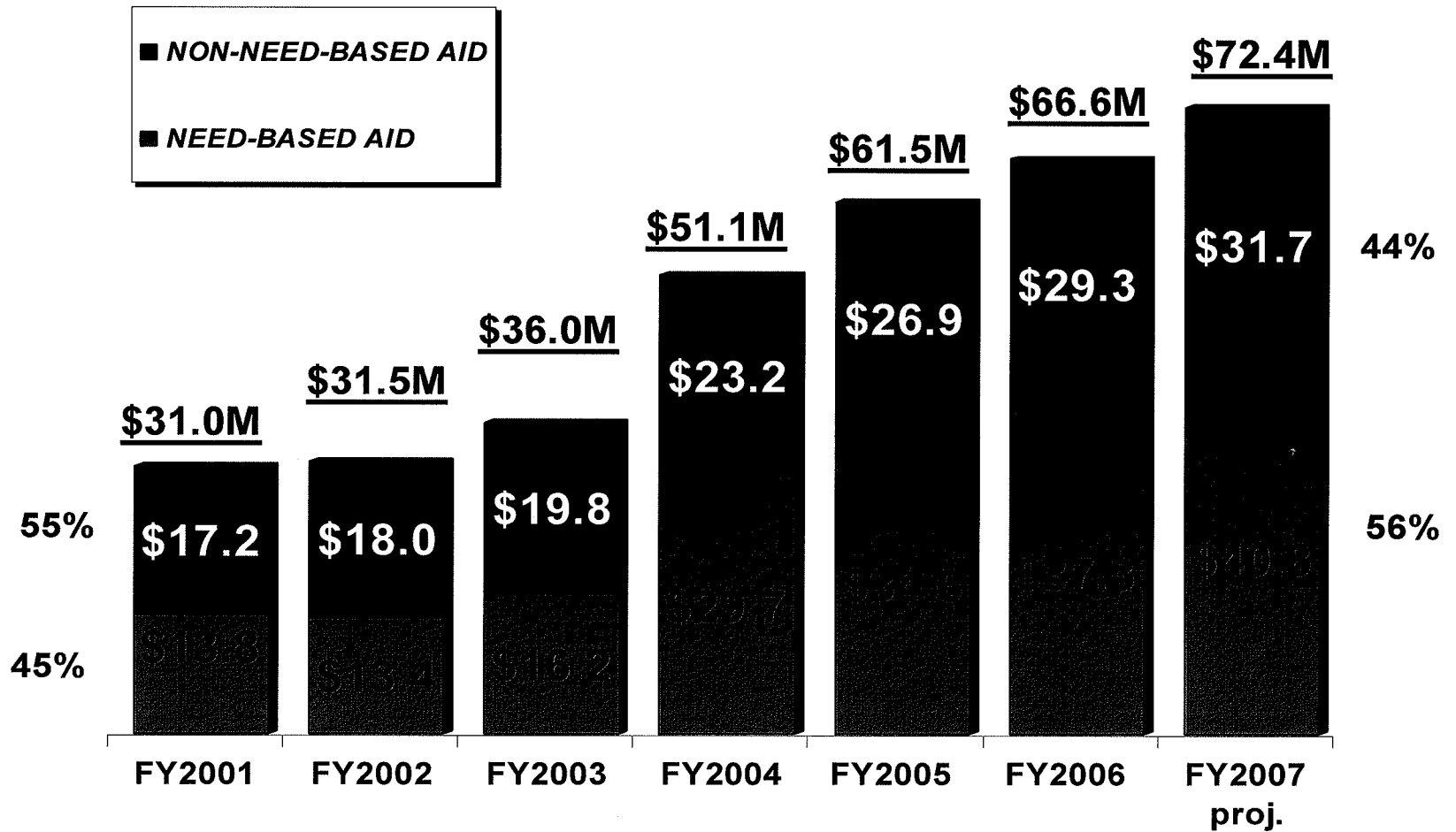
# How much financial aid do UMASS students receive in the form of loans, grants, and work study?



Data includes Undergraduate and Graduate Students

**How much financial aid does UMASS provide to students from University funds?**

**INSTITUTIONAL AID (UMASS FUNDS) TO STUDENTS  
BY TYPE OF AID**



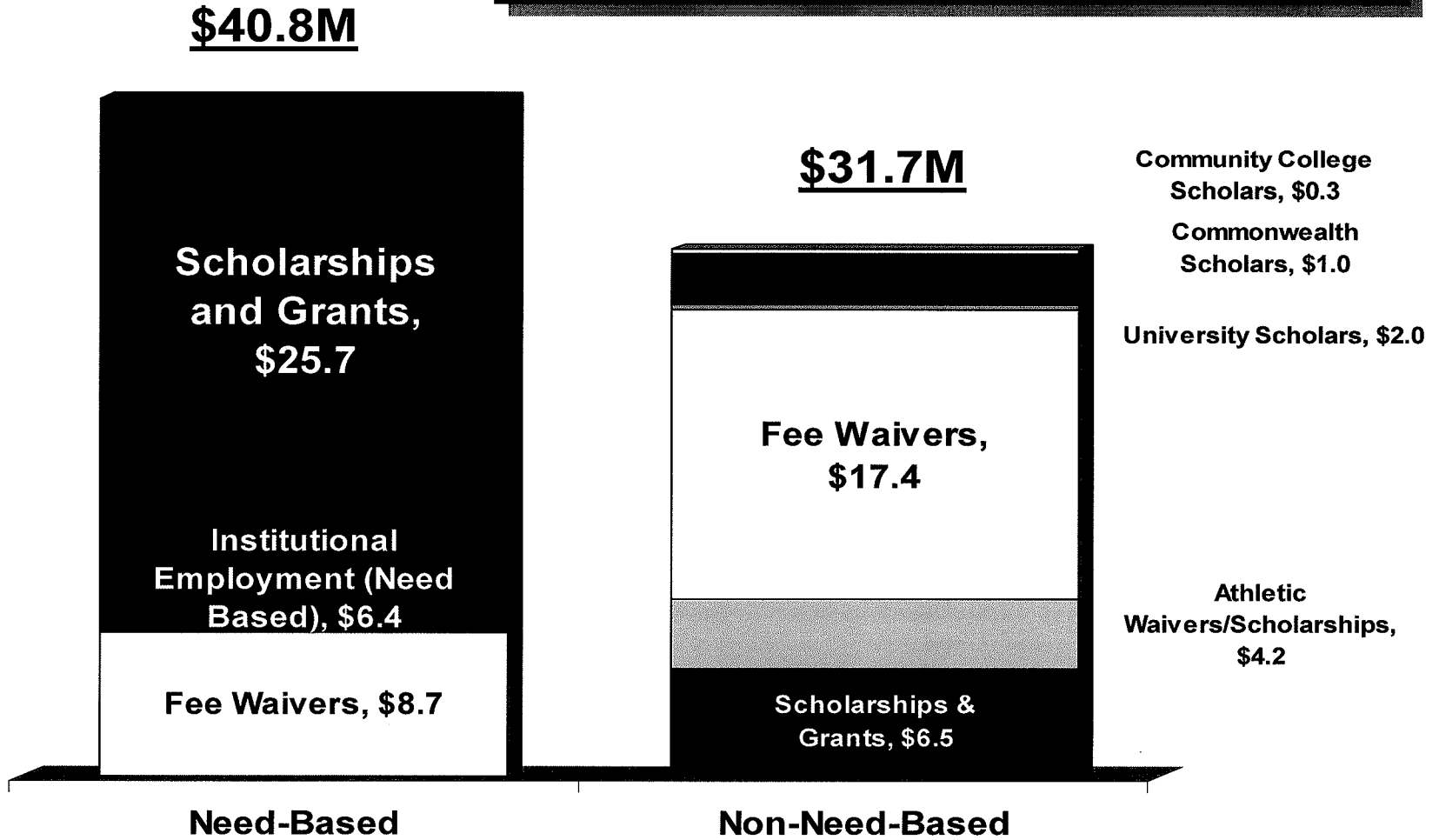
as of: 2.13.07

*Data includes Undergraduate and Graduate Students*



**How much financial aid does UMASS provide to students from University funds?**

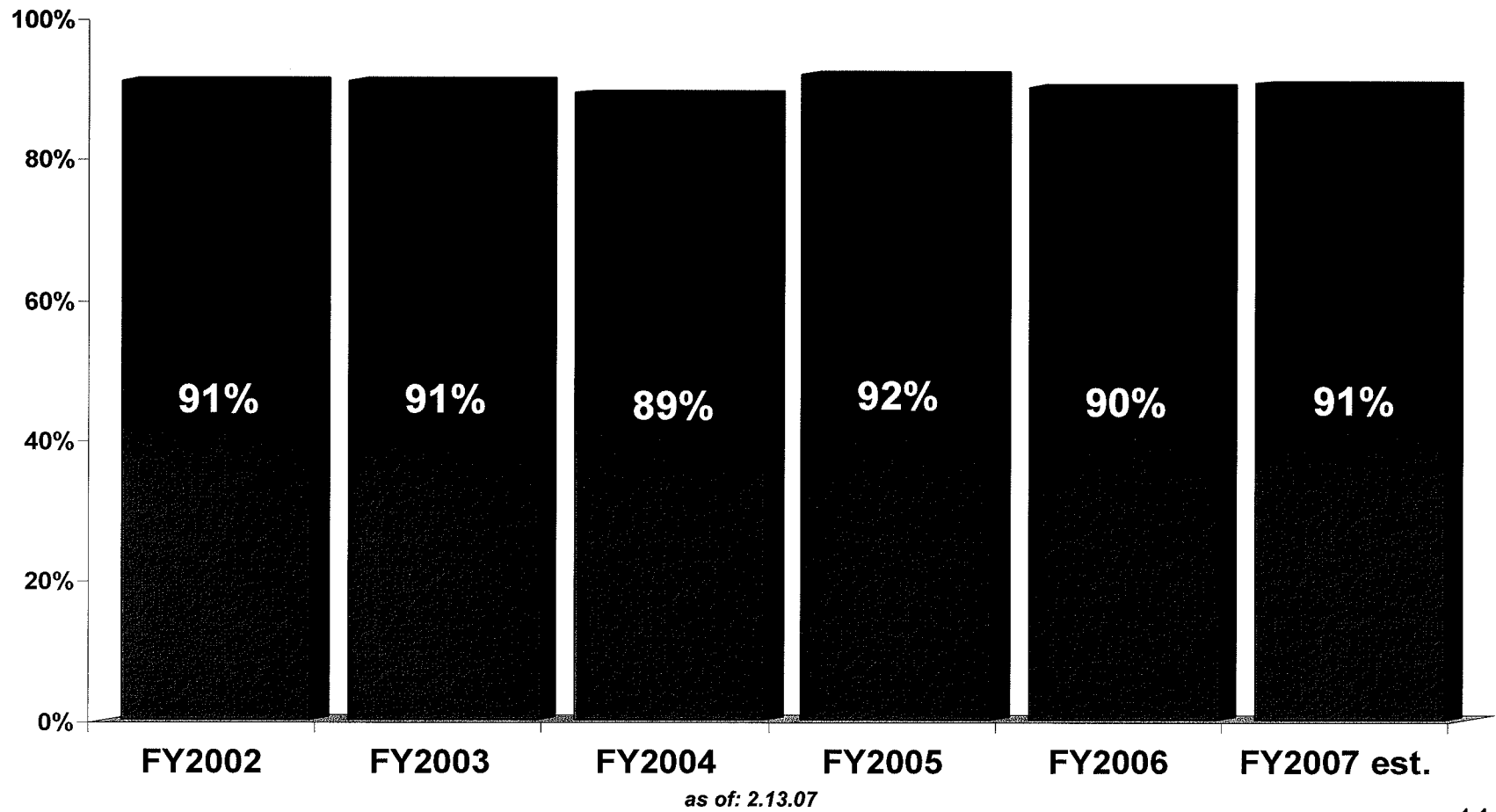
**INSTITUTIONAL AID (UMASS FUNDS) BY PROGRAM  
FY2007 (Projected)**



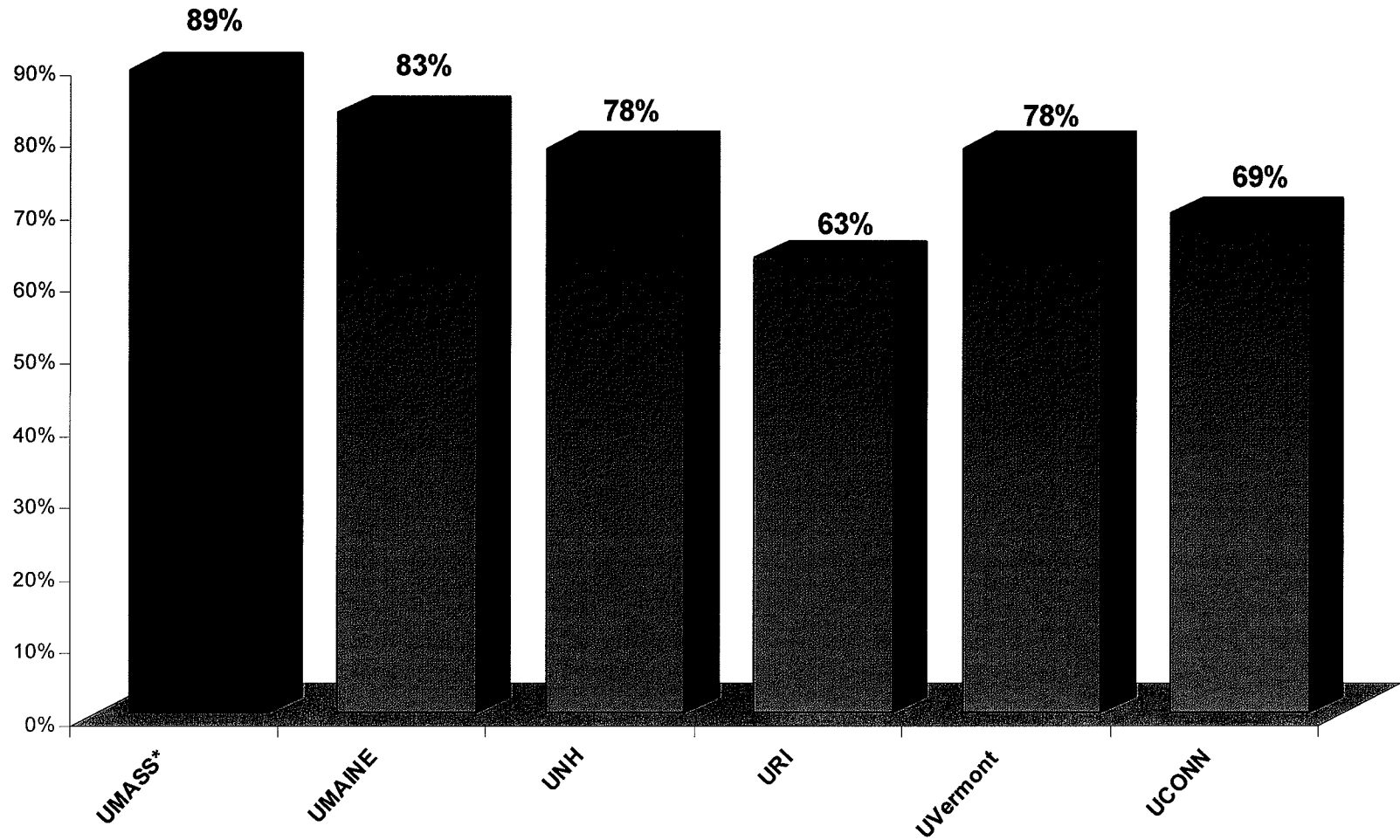
as of: 2.13.07

**On average, how much financial need is UMASS able to meet?**

**Average Percentage Student Need Met  
In-State Undergraduate Students FY2002 to 2007(est.)**



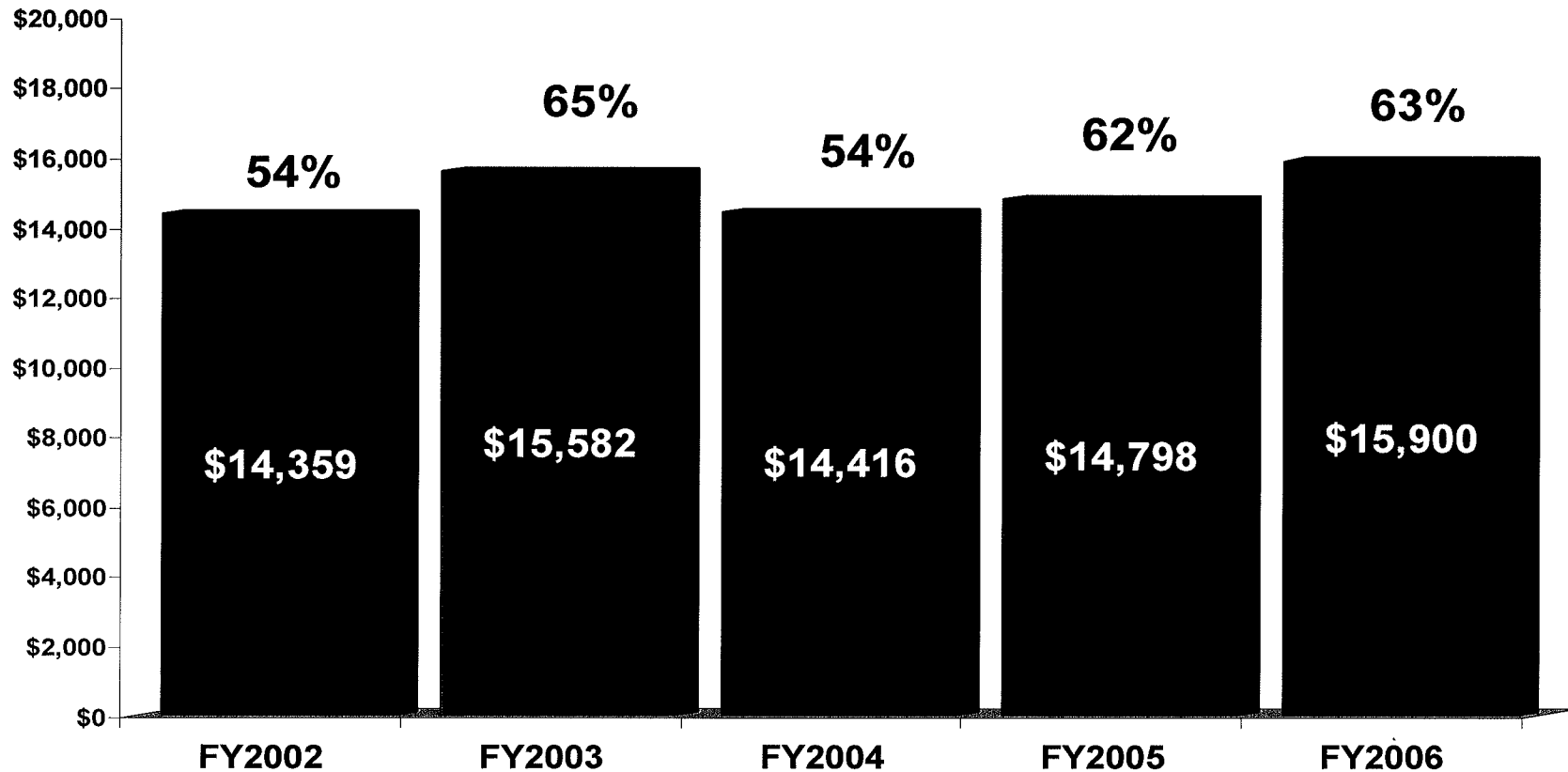
## FY 2007 Percent of Need Met - All Undergraduates UMASS vs. New England Peers



\*Weighted average for ALL Undergraduates as of: 2.13.07

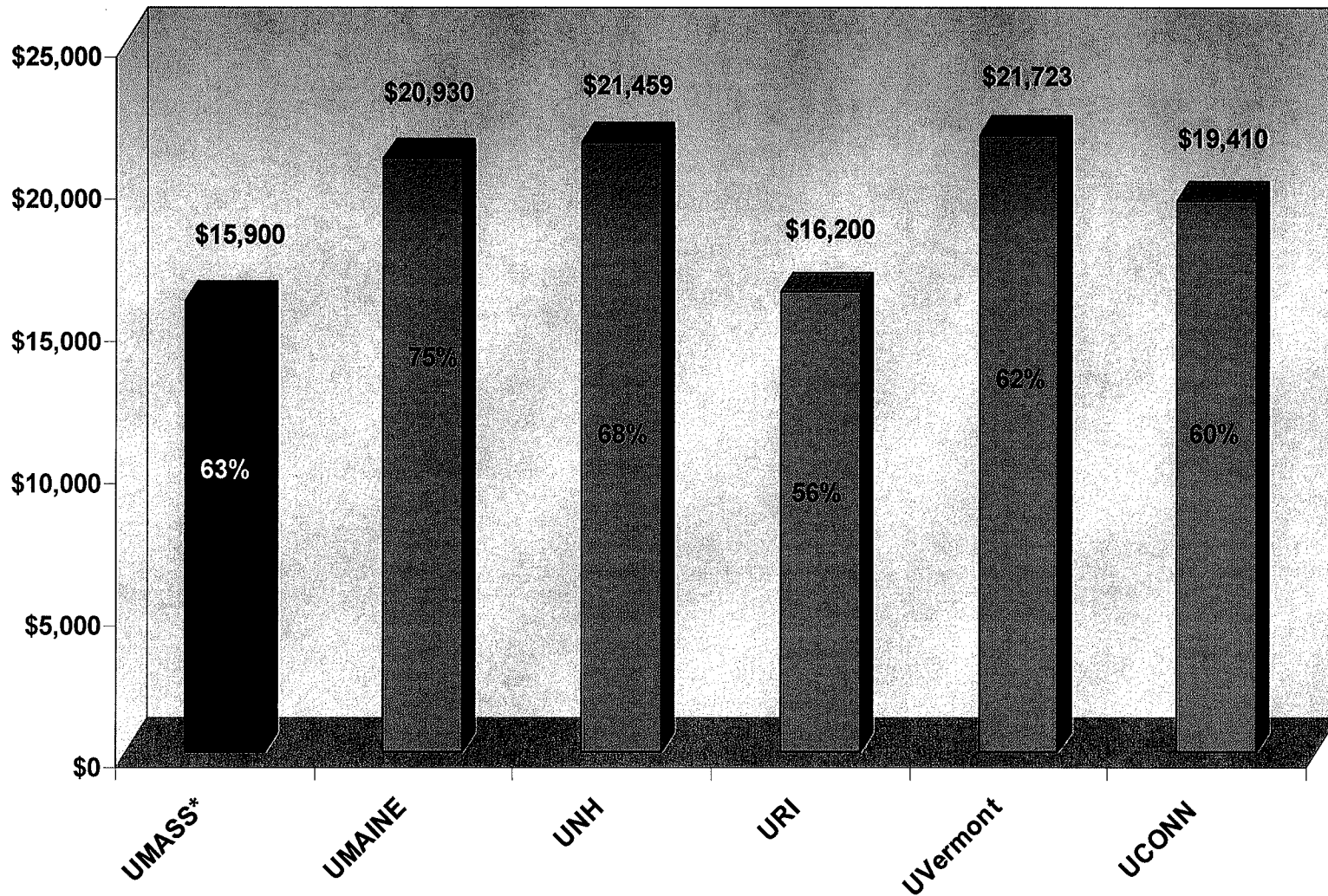
**What percentage of UMASS students graduate with debt and how much debt do they have at graduation?**

**Average Percentage of Undergraduates Graduating with Debt & Average Debt @ Graduation  
(all undergraduates)**



as of: 2.13.07

**FY2006 Average Debt at Graduation and Percent of Students Graduating with Debt  
UMass vs. New England Peers**



as of: 2.13.07

## Observations:

- Profile of students in the financial aid system has not changed much in recent years
- Concerns over stagnation in state and federal grant programs and increasing reliance on debt
- UMASS has increased its commitment to need-based non-loan aid significantly
- Relative to regional peers and other institutions UMASS does better at meeting need and our debt levels compare favorably.
- Each of the campuses have outreach, counseling and information programs to assist and inform students and families about deadlines, opportunities and programs to finance their educations, increase retention and promote student success.
- There are campus-specific need-based & merit scholarship programs to assist low income and other targeted populations.
- Upgrades to PeopleSoft financial aid systems will allow for better data and coordination between student services and financial aid to assist in packaging and identification of at-risk students.
- Support for BHE Mass Grant Expansion Initiative would benefit low income and middle income students

# BHE FY2008 Budget Proposal

## MASSGrant expansion

(one-year)

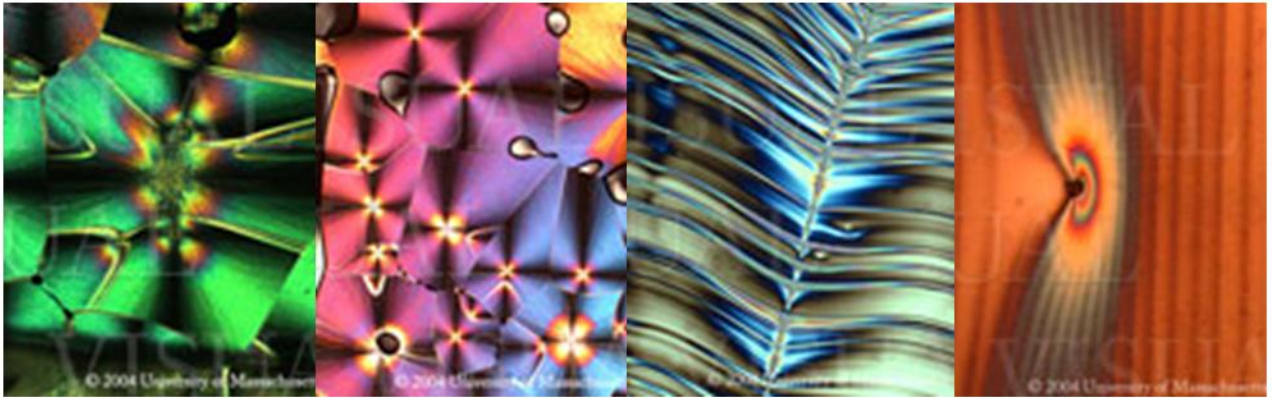
	(\$ in 000)		Variance		FY07
	FY08	FY07R	\$	%	
MASSGrant expansion <i>(sub-account of Scholarship Reserve)</i>	179,290	25,290	154,000	608.9%	25,290

\$79 million to restore MASSGrant award to students with EFC equal to or less than 3,850

- approximately 68,000 students at both public and private institutions

\$75 million to expand eligibility to students whose EFC is between 3,851 to 10,000 with awards ranging from \$1,750 to \$3,500

- additional 30,000 students



# UNIVERSITY OF MASSACHUSETTS ANNUAL R&D EXPENDITURES FY2005

*OFFICE OF THE PRESIDENT  
INSTITUTIONAL RESEARCH  
SEPTEMBER 2006*



The *FY2005 Annual R&D Expenditures* report presents information on the research and development expenditures at the University of Massachusetts system. It is based on data that our five campuses provide to the National Science Foundation (NSF) through its annual Survey of Research and Development Expenditures at Universities and Colleges. In addition to FY2005 data, this report also provides trend data in many cases. Selected NSF rankings of R&D expenditures by fields are available from Institutional Research.

**FY2005 highlights:**

- Total FY2005 R&D spending was \$377 million, which represents a 6.2% increase from the FY2004 total of \$355 million.
- \$365 million (97%) of our R&D expenditures are in the sciences and engineering (S&E). Among Massachusetts colleges and universities, UMass ranks 3<sup>rd</sup> in S&E expenditures. UMass, MIT, Harvard and BU together account for 80% of the academic science and engineering R&D expenditures in the state.
- In terms of funding sources for S&E research, 63% is from the federal government, 15% is from institutional sources, 11% is from state and local government, 5% is from industry and 6% is from other sources (e.g., private foundations).
- All areas of funding showed growth - industry sponsorship increased 21%, institutional funding grew by 9%, state/local government funding 8%, and federal funding 4%.
- At \$223 million, life sciences constitute almost 60% of UMass' total R&D expenditures. The distribution of R&D expenditures by field is:

life sciences	59.1%	social sciences	4.1%
physical sciences	10.6%	non sciences/engineering	3.0%
engineering	9.9%	psychology	1.9%
computer sciences	5.1%	mathematical sciences	1.0%
environmental sciences	4.8%	other sciences	0.5%

- Within life sciences, biological sciences constitute more than a third (35%) of the expenditures, medical sciences another third (35%), and agricultural and other sciences the remaining 30%.

Barbara Velardi  
Research Associate

Shu-Ling Chen  
Director of Institutional Research

**TOTAL R&D EXPENDITURES**

- **FY2001 - FY2005**
  - UMASS SYSTEM *1*
  - UMASS AMHERST *2*
  - UMASS BOSTON *3*
  - UMASS DARTMOUTH *4*
  - UMASS LOWELL *5*
  - UMASS WORCESTER *6*
- **TOTAL R&D EXPENDITURES BY FIELD FY2005** *7*

**SCIENCE & ENGINEERING R&D EXPENDITURES**

- **FY2001 - FY2005** *9*
- **EXPENDITURES BY SOURCE FY2005** *9*
- **EXPENDITURES BY SOURCE FY1995 - FY2005** *10*
- **PERCENT BASIC RESEARCH FY2005** *12*
- **FEDERAL GOVERNMENT AGENCY SOURCES FY2005** *13*

**LIFE SCIENCES R&D EXPENDITURES**

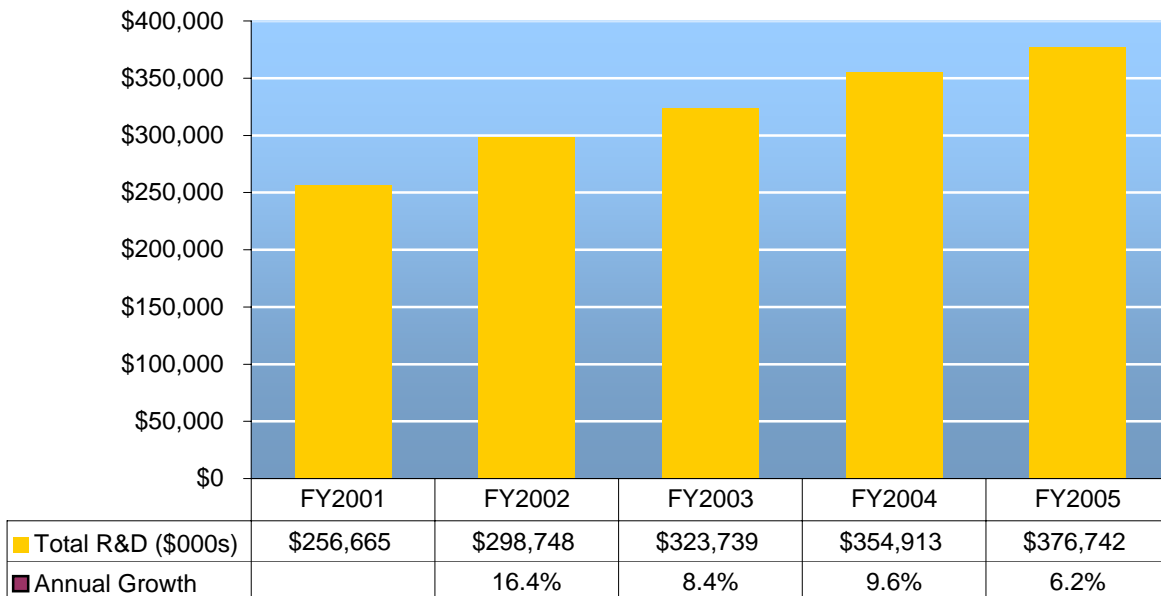
- **FY2001 - FY2005** *14*
- **EXPENDITURES BY FIELD FY2005** *14*
- **EXPENDITURES BY FIELD FY1995 - FY2005** *15*

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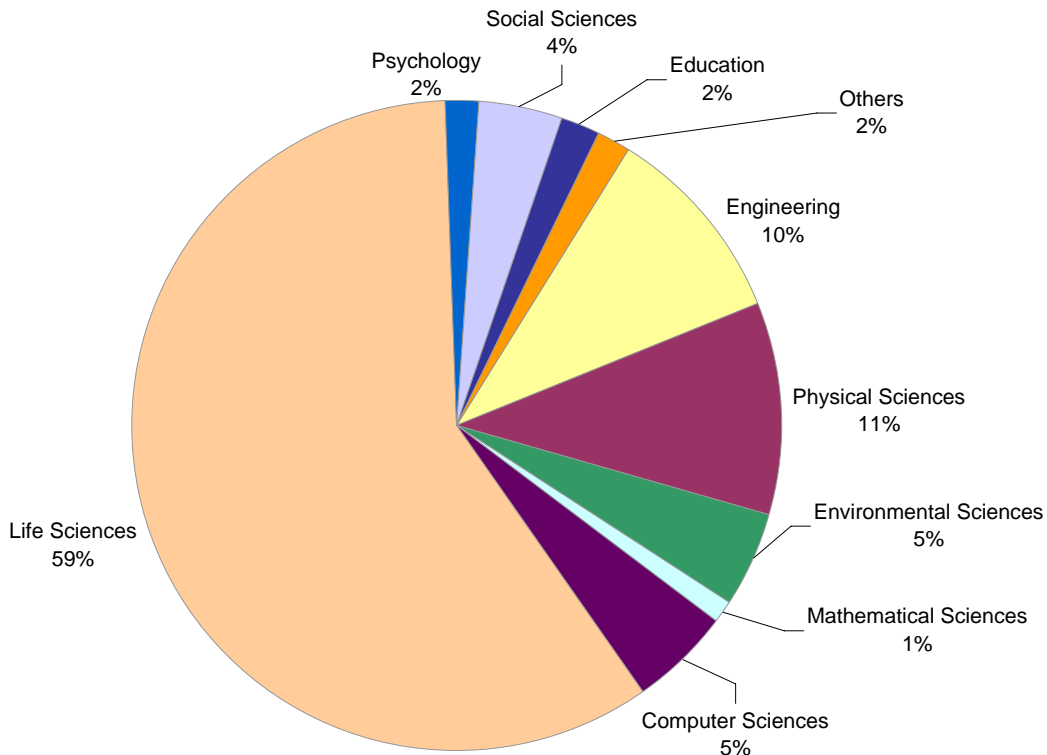
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# UMASS System

## Total R&D Expenditures FY2001 – FY2005

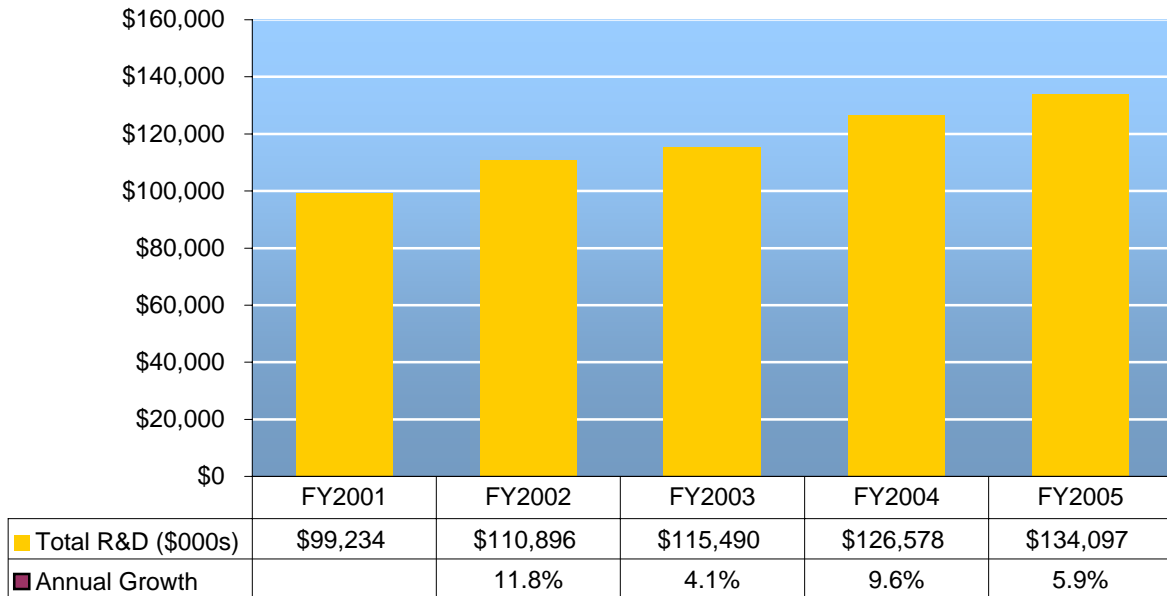


## Total R&D Expenditures FY2005

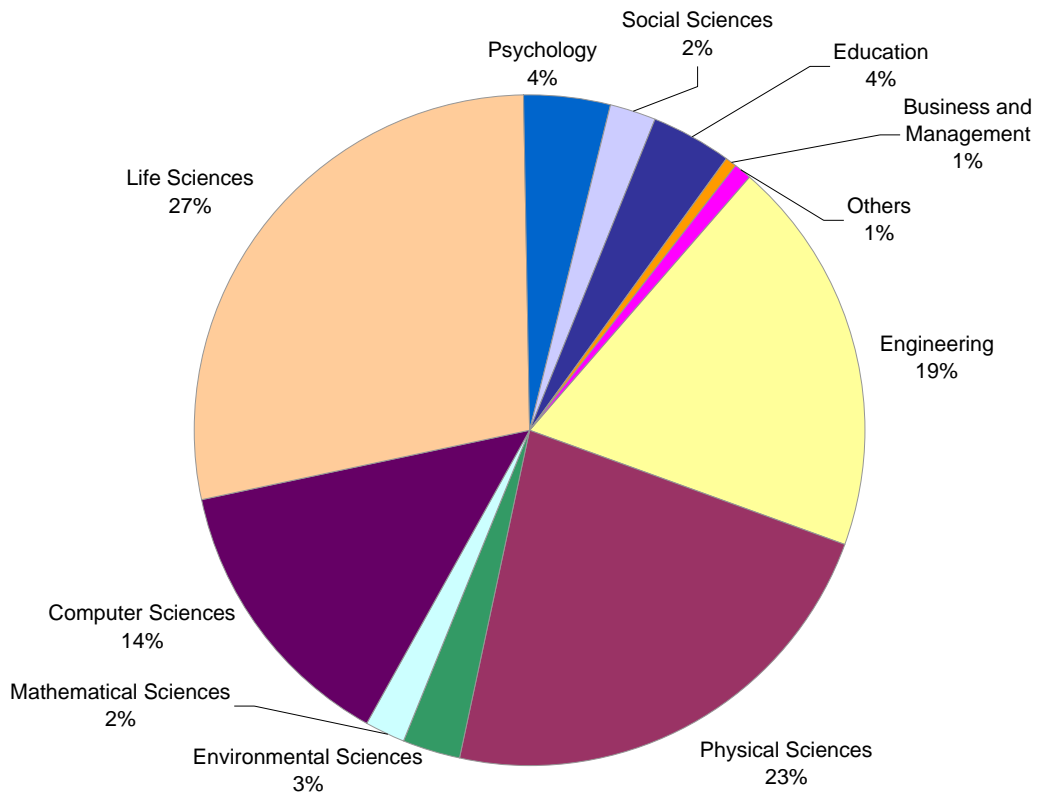


# Amherst

## Total R&D Expenditures FY2001 – FY2005

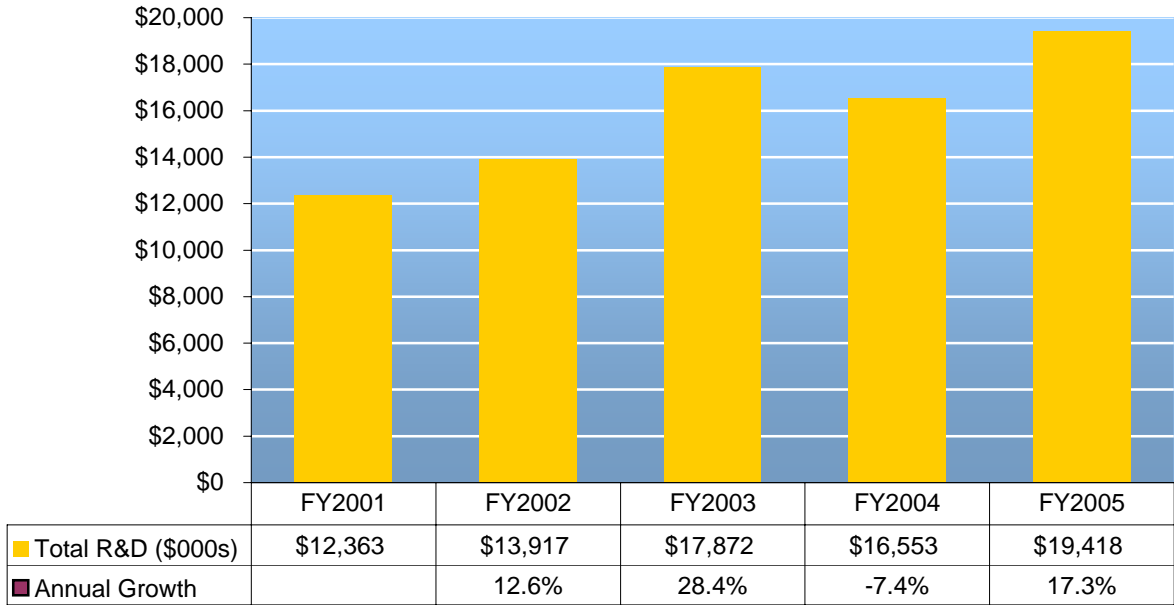


## Total R&D Expenditures FY2005

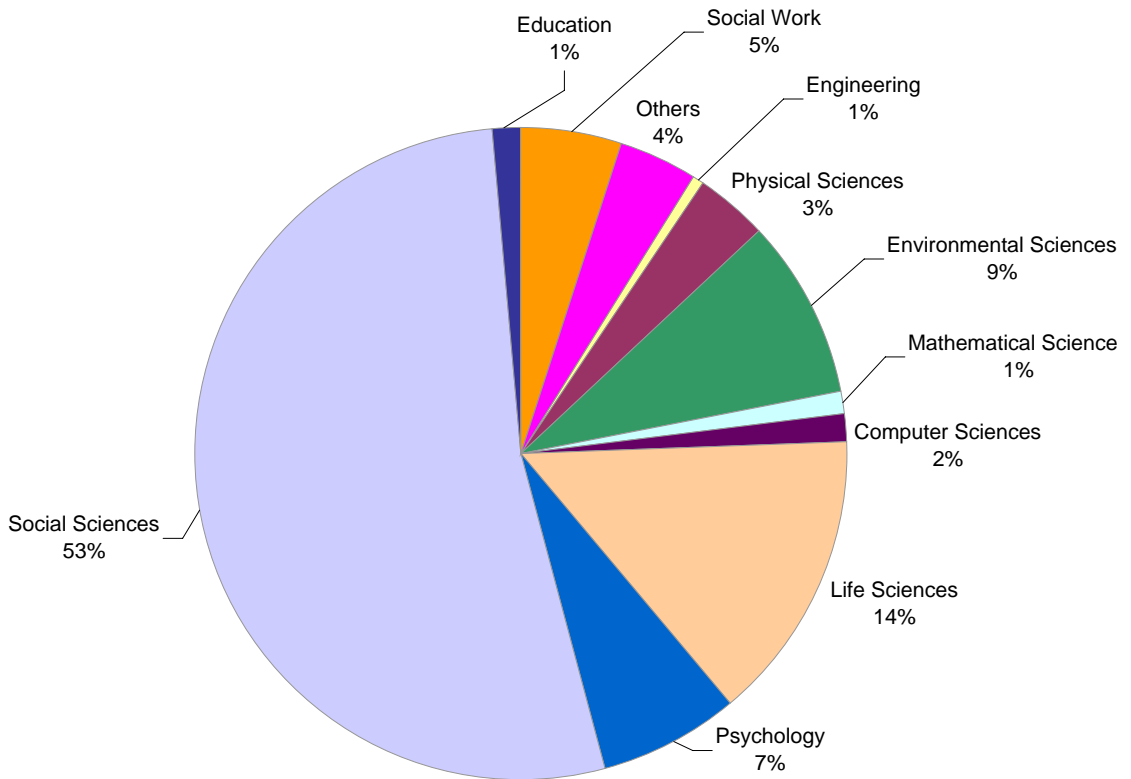


# Boston

## Total R&D Expenditures FY2001 – FY2005

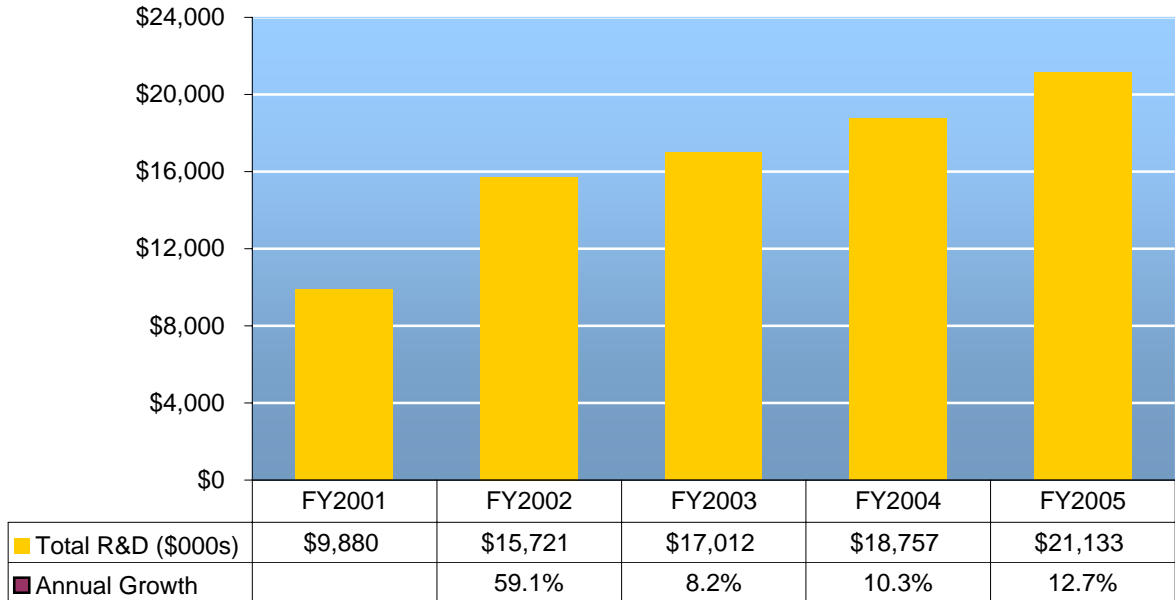


## Total R&D Expenditures FY2005

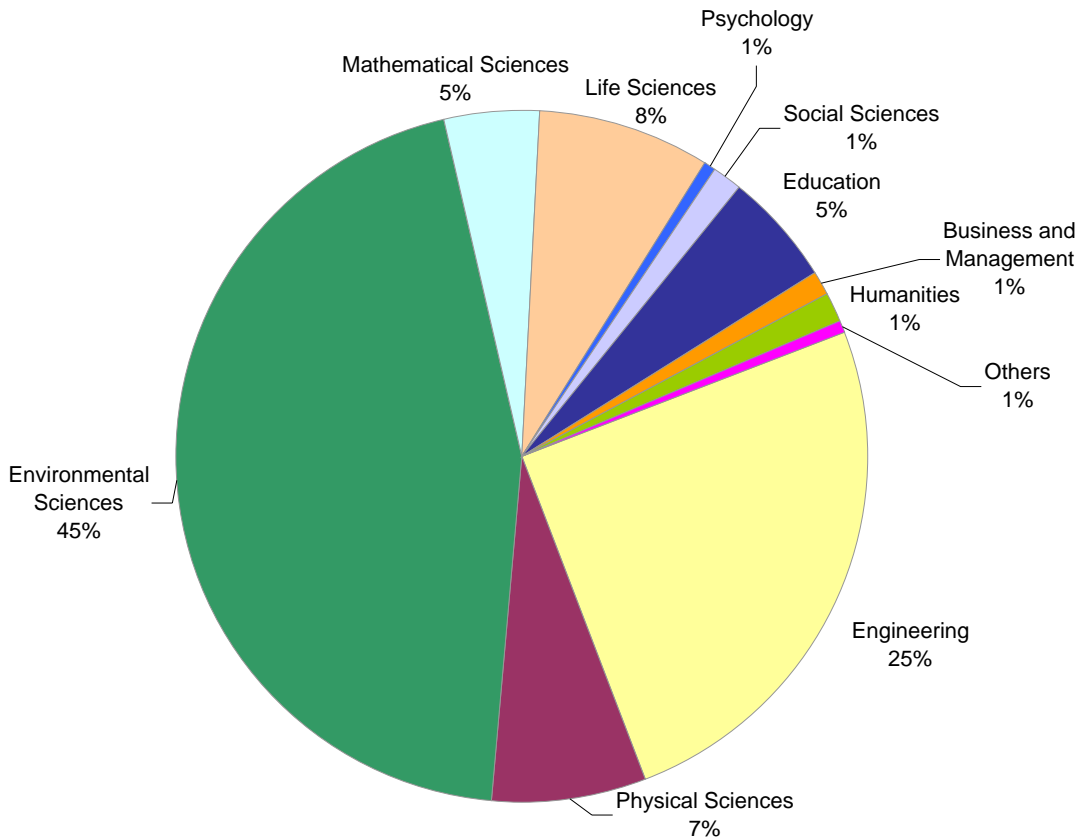


# Dartmouth

## Total R&D Expenditures FY2001 – FY2005

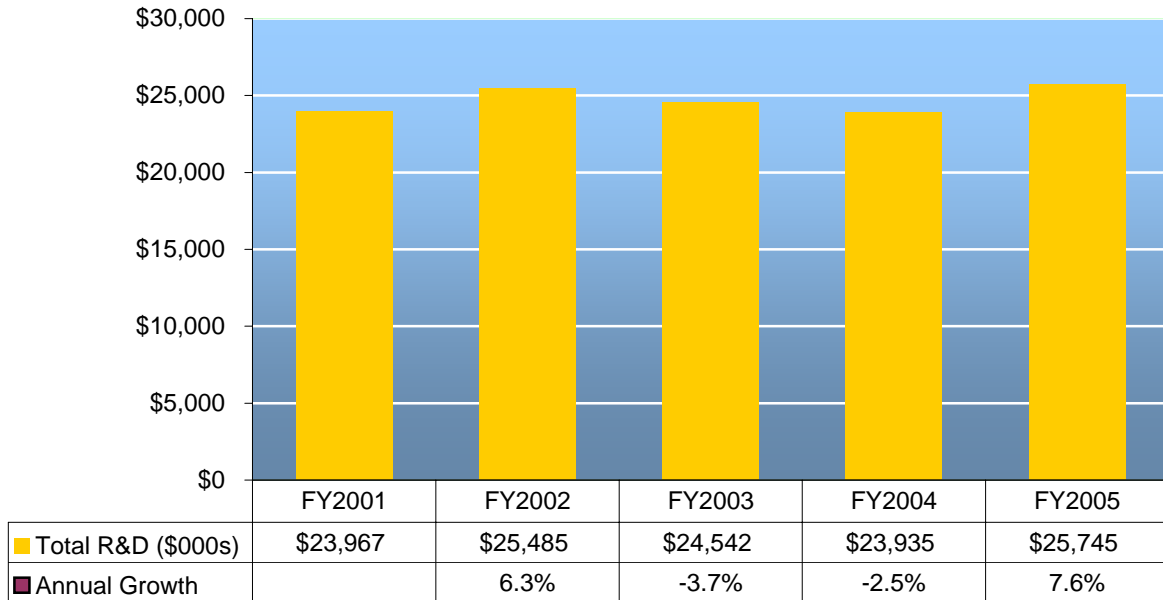


## Total R&D Expenditures FY2005

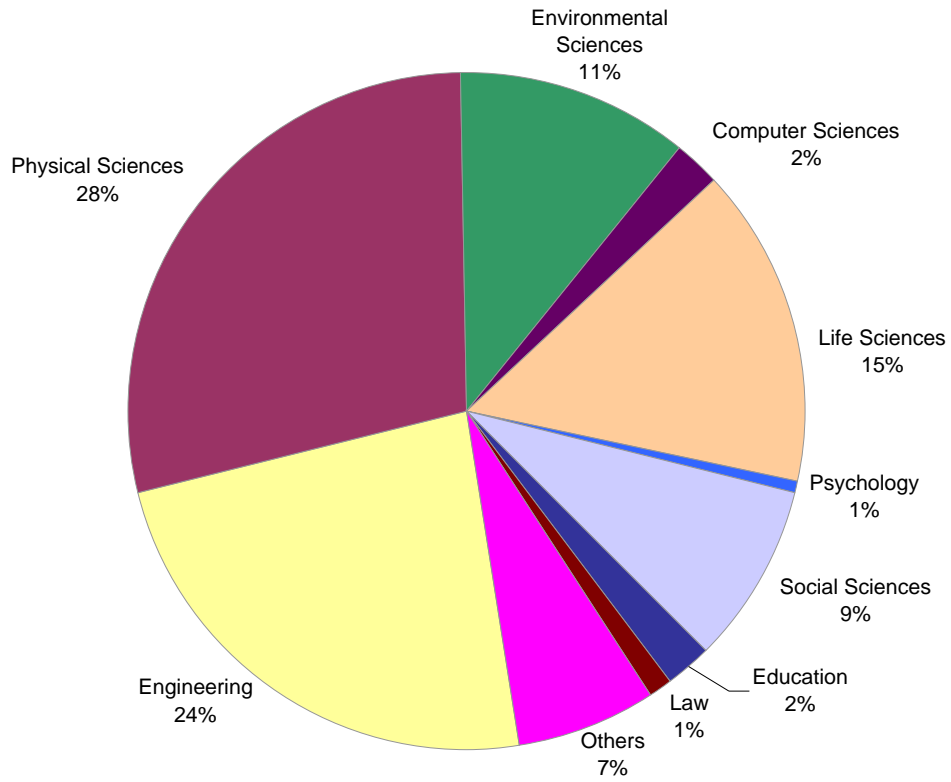


# Lowell

## Total R&D Expenditures FY2001 – FY2005



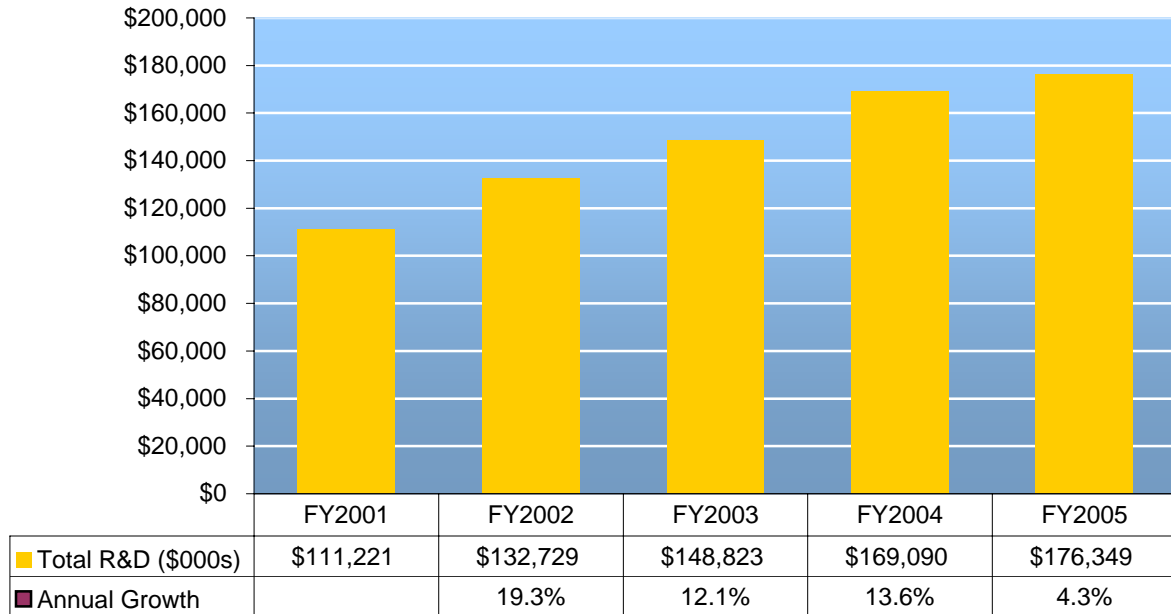
## Total R&D Expenditures FY2005





## Worcester

### Total R&D Expenditures FY2001 – FY2005



All of Worcester's R&D expenditures are in the life sciences.

## Total R&D Expenditures By Field FY2005

FIELD	UMA FY2005	% of UMA Total	% of Field	UMB FY2005	% of UMB Total	% of Field	UMD FY2005	% of UMD Total	% of Field	UML FY2005	% of UML Total	% of Field	UMW FY2005	% of UMW Total	% of Field	System FY2005	% of Total
<b>Engineering (Total)</b>	<b>\$ 25,838</b>	<b>19.3%</b>	<b>69.3%</b>	<b>\$ 111</b>	<b>0.6%</b>	<b>0.3%</b>	<b>\$ 5,270</b>	<b>24.9%</b>	<b>14.1%</b>	<b>\$ 6,087</b>	<b>23.6%</b>	<b>16.3%</b>	<b>\$ -</b>			<b>\$ 37,306</b>	<b>9.9%</b>
Aeronautical & Astronomical	\$ -			\$ -			\$ -			\$ -			\$ -			\$ -	
Bioengineering/Biomedical	\$ -			\$ -			\$ 13	0.1%	100.0%	\$ -			\$ -			\$ 13	0.0%
Chemical	\$ 4,766	3.6%	94.1%	\$ -			\$ -			\$ 301	1.2%	5.9%	\$ -			\$ 5,067	1.3%
Civil	\$ 6,256	4.7%	88.1%	\$ -			\$ 663	3.1%	9.3%	\$ 183	0.7%	2.6%	\$ -			\$ 7,102	1.9%
Electrical	\$ 10,394	7.8%	88.9%	\$ -			\$ 630	3.0%	5.4%	\$ 670	2.6%	5.7%	\$ -			\$ 11,694	3.1%
Mechanical	\$ 4,130	3.1%	75.0%	\$ -			\$ 266	1.3%	4.8%	\$ 1,114	4.3%	20.2%	\$ -			\$ 5,510	1.5%
Metallurgical & Materials	\$ -			\$ -			\$ 789	3.7%	43.8%	\$ 1,012	3.9%	56.2%	\$ -			\$ 1,801	0.5%
Other	\$ 292	0.2%	4.8%	\$ 111	0.6%	1.8%	\$ 2,909	13.8%	47.5%	\$ 2,807	10.9%	45.9%	\$ -			\$ 6,119	1.6%
<b>Physical Sciences (Total)</b>	<b>\$ 30,336</b>	<b>22.6%</b>	<b>76.0%</b>	<b>\$ 673</b>	<b>3.5%</b>	<b>1.7%</b>	<b>\$ 1,523</b>	<b>7.2%</b>	<b>3.8%</b>	<b>\$ 7,368</b>	<b>28.6%</b>	<b>18.5%</b>	<b>\$ -</b>			<b>\$ 39,900</b>	<b>10.6%</b>
Astronomy	\$ 8,149	6.1%	100.0%	\$ -			\$ -			\$ -			\$ -			\$ 8,149	2.2%
Chemistry	\$ 17,088	12.7%	88.0%	\$ 398	2.0%	2.1%	\$ 1,322	6.3%	6.8%	\$ 606	2.4%	3.1%	\$ -			\$ 19,414	5.2%
Physics	\$ 4,948	3.7%	40.6%	\$ 275	1.4%	2.3%	\$ 201	1.0%	1.6%	\$ 6,762	26.3%	55.5%	\$ -			\$ 12,186	3.2%
Other	\$ 151	0.1%	100.0%	\$ -			\$ -			\$ -			\$ -			\$ 151	0.0%
<b>Environmental Sciences (Total)</b>	<b>\$ 3,888</b>	<b>2.9%</b>	<b>21.6%</b>	<b>\$ 1,734</b>	<b>8.9%</b>	<b>9.6%</b>	<b>\$ 9,528</b>	<b>45.1%</b>	<b>52.8%</b>	<b>\$ 2,882</b>	<b>11.2%</b>	<b>16.0%</b>	<b>\$ -</b>			<b>\$ 18,032</b>	<b>4.8%</b>
Atmospheric	\$ -			\$ -			\$ -			\$ -			\$ -			\$ -	
Earth Sciences	\$ 3,227	2.4%	52.8%	\$ -			\$ -			\$ 2,882	11.2%	47.2%	\$ -			\$ 6,109	1.6%
Oceanography	\$ 26	0.0%	0.3%	\$ 483	2.5%	4.8%	\$ 9,528	45.1%	94.9%	\$ -			\$ -			\$ 10,037	2.7%
Other	\$ 635	0.5%	33.7%	\$ 1,251	6.4%	66.3%	\$ -			\$ -			\$ -			\$ 1,886	0.5%
<b>Mathematical Sciences (Total)</b>	<b>\$ 2,519</b>	<b>1.9%</b>	<b>66.9%</b>	<b>\$ 215</b>	<b>1.1%</b>	<b>5.7%</b>	<b>\$ 945</b>	<b>4.5%</b>	<b>25.1%</b>	<b>\$ 88</b>	<b>0.3%</b>	<b>2.3%</b>	<b>\$ -</b>			<b>\$ 3,767</b>	<b>1.0%</b>
<b>Computer Sciences (Total)</b>	<b>\$ 18,160</b>	<b>13.5%</b>	<b>95.2%</b>	<b>\$ 305</b>	<b>1.6%</b>	<b>1.6%</b>	<b>\$ 86</b>	<b>0.4%</b>	<b>0.5%</b>	<b>\$ 524</b>	<b>2.0%</b>	<b>2.7%</b>	<b>\$ -</b>			<b>\$ 19,075</b>	<b>5.1%</b>
<b>Life Sciences (Total)</b>	<b>\$ 37,850</b>	<b>28.2%</b>	<b>17.0%</b>	<b>\$ 2,768</b>	<b>14.3%</b>	<b>1.2%</b>	<b>\$ 1,681</b>	<b>8.0%</b>	<b>0.8%</b>	<b>\$ 3,944</b>	<b>15.3%</b>	<b>1.8%</b>	<b>\$ 176,349</b>	<b>100.0%</b>	<b>79.2%</b>	<b>\$ 222,592</b>	<b>59.1%</b>
Agricultural	\$ 17,017	12.7%	93.5%	\$ -			\$ 1,180	5.6%	6.5%	\$ -			\$ -			\$ 18,197	4.8%
Biological	\$ 16,309	12.2%	21.0%	\$ 1,417	7.3%	1.8%	\$ 190	0.9%	0.2%	\$ 1,036	4.0%	1.3%	\$ 58,543	33.2%	75.5%	\$ 77,495	20.6%
Medical	\$ 1,804	1.3%	2.3%	\$ -			\$ -			\$ 2,886	11.2%	3.7%	\$ 73,125	41.5%	94.0%	\$ 77,815	20.7%
Other	\$ 2,720	2.0%	5.5%	\$ 1,351	7.0%	2.8%	\$ 311	1.5%	0.6%	\$ 22	0.1%	0.04%	\$ 44,681	25.3%	91.0%	\$ 49,085	13.0%
<b>Psychology (Total)</b>	<b>\$ 5,475</b>	<b>4.1%</b>	<b>76.3%</b>	<b>\$ 1,374</b>	<b>7.1%</b>	<b>19.1%</b>	<b>\$ 160</b>	<b>0.8%</b>	<b>2.2%</b>	<b>\$ 167</b>	<b>0.6%</b>	<b>2.3%</b>	<b>\$ -</b>			<b>\$ 7,176</b>	<b>1.9%</b>
<b>Social Sciences (Total)</b>	<b>\$ 2,781</b>	<b>2.1%</b>	<b>17.9%</b>	<b>\$ 10,236</b>	<b>52.7%</b>	<b>66.0%</b>	<b>\$ 259</b>	<b>1.2%</b>	<b>1.7%</b>	<b>\$ 2,226</b>	<b>8.6%</b>	<b>14.4%</b>	<b>\$ -</b>			<b>\$ 15,502</b>	<b>4.1%</b>
Economics	\$ 955	0.7%	85.3%	\$ 50	0.3%	4.5%	\$ 15	0.1%	1.3%	\$ 100	0.4%	8.9%	\$ -			\$ 1,120	0.3%
Political Science	\$ 7	0.0%	1.5%	\$ 275	1.4%	57.3%	\$ 198	0.9%	41.3%	\$ -			\$ -			\$ 480	0.1%
Sociology	\$ 800	0.6%	68.9%	\$ 315	1.6%	27.1%	\$ 46			\$ -			\$ -			\$ 1,161	0.3%
Other	\$ 1,019	0.8%	8.0%	\$ 9,596	49.4%	75.3%	\$ -			\$ 2,126	8.3%	16.7%	\$ -			\$ 12,741	3.4%
<b>Other Sciences (Total)</b>	<b>\$ 640</b>	<b>0.5%</b>	<b>33.0%</b>	<b>\$ 732</b>	<b>3.8%</b>	<b>37.8%</b>	<b>\$ -</b>	<b>0.0%</b>	<b>0.0%</b>	<b>\$ 566</b>	<b>2.2%</b>	<b>29.2%</b>	<b>\$ -</b>			<b>\$ 1,938</b>	<b>0.5%</b>
<b>TOTAL, SCI &amp; ENG FIELDS</b>	<b>\$ 127,487</b>	<b>95.1%</b>	<b>34.9%</b>	<b>\$ 18,148</b>	<b>93.5%</b>	<b>5.0%</b>	<b>\$ 19,452</b>	<b>92.0%</b>	<b>5.3%</b>	<b>\$ 23,852</b>	<b>92.6%</b>	<b>6.5%</b>	<b>\$ 176,349</b>	<b>100.0%</b>	<b>48.3%</b>	<b>\$ 365,288</b>	<b>97.0%</b>

## Total R&D Expenditures By Field FY2005

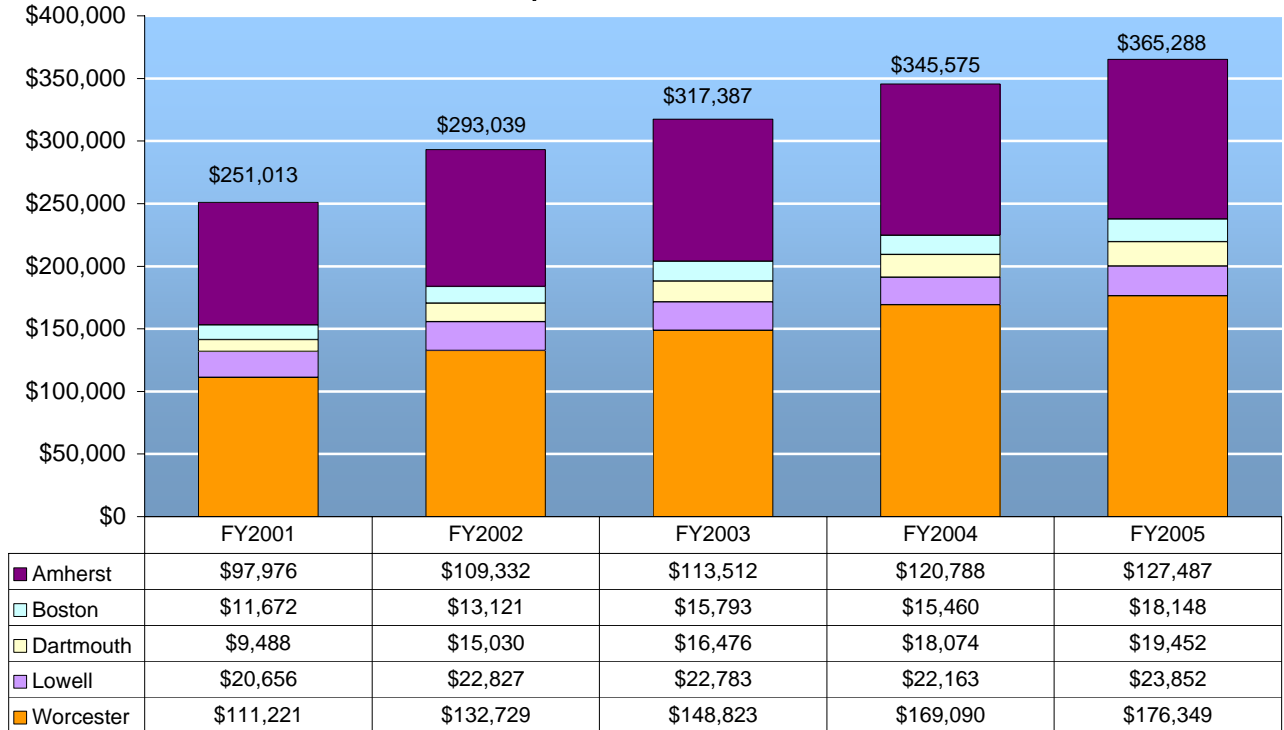
FIELD	UMA FY2005	% of UMA Total	% of Field	UMB FY2005	% of UMB Total	% of Field	UMD FY2005	% of UMD Total	% of Field	UML FY2005	% of UML Total	% of Field	UMW FY2005	% of UMW Total	% of Field	System FY2005	% of Total
Education	\$ 5,279	3.9%	73.1%	\$ 263	1.4%	3.6%	\$ 1,112	5.3%	15.4%	\$ 571	2.2%	7.9%	\$ -			\$ 7,225	1.9%
Law	\$ 134	0.1%	31.7%	\$ -			\$ -			\$ 289	1.1%	68.3%	\$ -			\$ 423	0.1%
Humanities	\$ 309	0.2%	49.4%	\$ 25	0.1%	4.0%	\$ 291	1.4%	46.6%	\$ -	0.0%	0.0%	\$ -			\$ 625	0.2%
Visual and Performing Arts	\$ 59	0.0%	67.0%	\$ 12	0.1%	13.6%	\$ 8	0.0%	9.1%	\$ 9	0.03%	10.2%	\$ -			\$ 88	0.02%
Business and Management	\$ 829	0.6%	75.4%	\$ -	0.0%	0.0%	\$ 264	1.2%	24.0%	\$ 6	0.0%	0.5%	\$ -			\$ 1,099	0.3%
Comm., Journalism & Library Sci	\$ -		0.0%	\$ -			\$ 6		100.0%	\$ -		0.0%	\$ -			\$ 6	0.0%
Social Work	\$ -		0.0%	\$ 970	5.0%	100.0%	\$ -		0.0%	\$ -		0.0%	\$ -			\$ 970	0.3%
Other Non-Science and Engin.	\$ -		0.0%	\$ -			\$ -		0.0%	\$ 1,018		100.0%	\$ -			\$ 1,018	0.3%
<b>TOTAL, NON-SCI &amp; ENG FIELDS</b>	<b>\$ 6,610</b>	<b>4.9%</b>	<b>57.7%</b>	<b>\$ 1,270</b>	<b>6.5%</b>	<b>11.1%</b>	<b>\$ 1,681</b>	<b>8.0%</b>	<b>14.7%</b>	<b>\$ 1,893</b>	<b>7.4%</b>	<b>16.5%</b>	<b>\$ -</b>			<b>\$ 11,454</b>	<b>3.0%</b>
<b>TOTAL, SCI &amp; ENG FIELDS</b>	<b>\$ 127,487</b>	<b>95.1%</b>	<b>34.9%</b>	<b>\$ 18,148</b>	<b>93.5%</b>	<b>5.0%</b>	<b>\$ 19,452</b>	<b>92.0%</b>	<b>5.3%</b>	<b>\$ 23,852</b>	<b>92.6%</b>	<b>6.5%</b>	<b>\$ 176,349</b>	<b>100.0%</b>	<b>48.3%</b>	<b>\$ 365,288</b>	<b>97.0%</b>
<b>GRAND TOTAL</b>	<b>\$ 134,097</b>		<b>35.6%</b>	<b>\$ 19,418</b>		<b>5.2%</b>	<b>\$ 21,133</b>		<b>5.6%</b>	<b>\$ 25,745</b>		<b>6.8%</b>	<b>\$ 176,349</b>		<b>46.8%</b>	<b>\$ 376,742</b>	<b>100.0%</b>

Source: Campus NSF surveys. All dollars are in thousands.

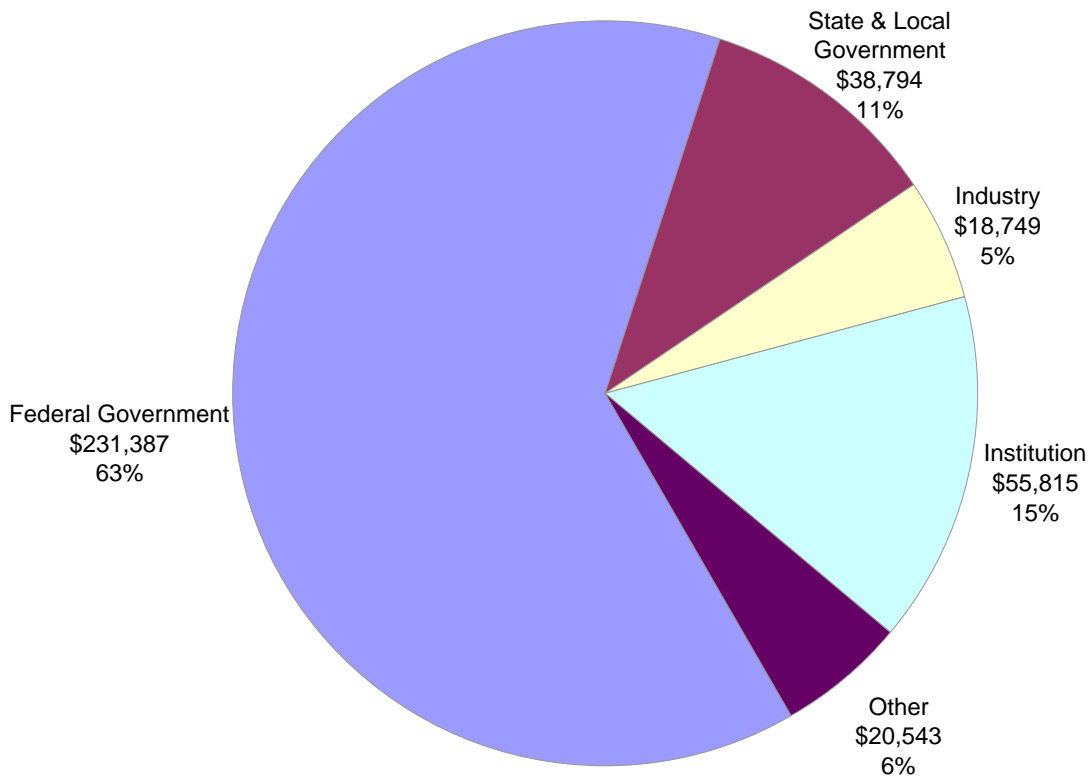
Note: % of Total is the percentage each field represents of total campus or system R&D expenditures in all fields.

% of Field is the percentage of the UMass system's expenditures in a particular field represented by that campus.

### Science and Engineering R&D Expenditures UMASS System FY2001 – FY2005



### Science and Engineering R&D Expenditures by Source of Funds FY2005 UMASS System



Source: Campus NSF surveys. All dollars are in thousands.

**Science and Engineering R&D Expenditures by Source  
FY1995 – FY2005**

	Total R&D Expenditures														
	FY95	FY96	FY97	FY98	FY99	FY00	FY01	FY02	FY03	FY04	FY05	10-Year Change FY95 - FY05		1-Year Change FY04 - FY05	
												\$	%	\$	%
<b>Amherst</b>	\$66,082	\$73,678	\$85,811	\$89,970	\$86,576	\$97,052	\$97,976	\$109,332	\$113,512	\$120,788	\$127,487	\$61,405	92.9%	\$6,699	5.5%
<b>Boston</b>	\$9,146	\$10,898	\$11,194	\$11,491	\$11,132	\$12,028	\$11,672	\$13,121	\$15,793	\$15,460	\$18,148	\$9,002	98.4%	\$2,688	17.4%
<b>Dartmouth</b>	\$3,709	\$4,092	\$4,197	\$4,902	\$5,820	\$6,905	\$9,488	\$15,030	\$16,476	\$18,074	\$19,452	\$15,743	424.5%	\$1,378	7.6%
<b>Lowell</b>	\$15,505	\$17,834	\$18,328	\$19,372	\$19,413	\$19,334	\$20,656	\$22,827	\$22,783	\$22,163	\$23,852	\$8,347	53.8%	\$1,689	7.6%
<b>Worcester</b>	\$62,441	\$63,341	\$71,346	\$82,950	\$83,040	\$97,587	\$111,221	\$132,729	\$148,823	\$169,090	\$176,349	\$113,908	182.4%	\$7,259	4.3%
<b>System</b>	<b>\$156,883</b>	<b>\$169,843</b>	<b>\$190,876</b>	<b>\$208,685</b>	<b>\$205,981</b>	<b>\$232,906</b>	<b>\$251,013</b>	<b>\$293,039</b>	<b>\$317,387</b>	<b>\$345,575</b>	<b>\$365,288</b>	<b>\$208,405</b>	<b>132.8%</b>	<b>\$19,713</b>	<b>5.7%</b>

	Federal R&D Expenditures														
	FY95	FY96	FY97	FY98	FY99	FY00	FY01	FY02	FY03	FY04	FY05	10-Year Change FY95 - FY05		1-Year Change FY04 - FY05	
												\$	%	\$	%
<b>Amherst</b>	\$32,126	\$37,969	\$40,925	\$43,196	\$39,877	\$44,697	\$49,576	\$54,770	\$60,845	\$65,452	\$66,921	\$34,795	108.3%	\$1,469	2.2%
<b>Boston</b>	\$2,454	\$2,706	\$3,075	\$3,160	\$2,951	\$3,378	\$2,546	\$4,837	\$5,579	\$5,412	\$6,326	\$3,872	157.8%	\$914	16.9%
<b>Dartmouth</b>	\$3,221	\$3,433	\$2,884	\$3,731	\$3,983	\$3,228	\$4,928	\$7,142	\$8,718	\$9,199	\$9,852	\$6,631	205.9%	\$653	7.1%
<b>Lowell</b>	\$8,097	\$10,257	\$11,560	\$12,259	\$10,354	\$9,905	\$11,196	\$14,932	\$15,821	\$16,655	\$17,608	\$9,511	117.5%	\$953	5.7%
<b>Worcester</b>	\$36,970	\$40,198	\$43,350	\$53,766	\$55,516	\$64,212	\$79,453	\$93,992	\$109,082	\$126,162	\$130,680	\$93,710	253.5%	\$4,518	3.6%
<b>System</b>	<b>\$82,868</b>	<b>\$94,563</b>	<b>\$101,794</b>	<b>\$116,112</b>	<b>\$112,681</b>	<b>\$125,420</b>	<b>\$147,699</b>	<b>\$175,673</b>	<b>\$200,045</b>	<b>\$222,880</b>	<b>\$231,387</b>	<b>\$148,519</b>	<b>179.2%</b>	<b>\$8,507</b>	<b>3.8%</b>

	State & Local Government R&D Expenditures														
	FY95	FY96	FY97	FY98	FY99	FY00	FY01	FY02	FY03	FY04	FY05	10-Year Change FY95 - FY05		1-Year Change FY04 - FY05	
												\$	%	\$	%
<b>Amherst</b>	\$5,776	\$5,933	\$6,546	\$7,072	\$6,354	\$6,961	\$3,969	\$4,185	\$3,842	\$3,597	\$3,873	-\$1,903	-32.9%	\$276	7.7%
<b>Boston</b>	\$1,659	\$2,405	\$1,705	\$1,351	\$1,261	\$1,211	\$1,447	\$1,112	\$1,291	\$1,001	\$2,481	\$822	49.5%	\$1,480	147.9%
<b>Dartmouth</b>	\$203	\$272	\$526	\$325	\$343	\$1,343	\$2,632	\$4,124	\$4,228	\$4,027	\$5,039	\$4,836	2382.3%	\$1,012	25.1%
<b>Lowell</b>	\$555	\$638	\$697	\$530	\$1,156	\$599	\$962	\$854	\$677	\$380	\$180	-\$375	-67.6%	-\$200	-52.6%
<b>Worcester</b>	\$109	\$11,912	\$14,747	\$15,811	\$18,308	\$23,474	\$22,088	\$27,891	\$26,976	\$27,018	\$27,221	\$27,112	24873.4%	\$203	0.8%
<b>System</b>	<b>\$8,302</b>	<b>\$21,160</b>	<b>\$24,221</b>	<b>\$25,089</b>	<b>\$27,422</b>	<b>\$33,588</b>	<b>\$31,098</b>	<b>\$38,166</b>	<b>\$37,014</b>	<b>\$36,023</b>	<b>\$38,794</b>	<b>\$30,492</b>	<b>367.3%</b>	<b>\$2,771</b>	<b>7.7%</b>

**Science and Engineering R&D Expenditures by Source  
FY1995 to FY2005**

	Industry-Sponsored R&D Expenditures														
	FY95	FY96	FY97	FY98	FY99	FY00	FY01	FY02	FY03	FY04	FY05	10-Year Change FY95 - FY05		1-Year Change FY04 - FY05	
												\$	%	\$	%
<b>Amherst</b>	\$4,760	\$5,738	\$5,778	\$6,236	\$5,796	\$5,535	\$6,181	\$5,417	\$3,838	\$4,914	\$4,724	-\$36	-0.8%	-\$190	-3.9%
<b>Boston</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	-	-	-	-
<b>Dartmouth</b>	\$248	\$325	\$412	\$831	\$771	\$652	\$517	\$2,120	\$0	\$753	\$1,252	\$1,004	404.8%	\$499	66.3%
<b>Lowell</b>	\$3,599	\$5,779	\$4,920	\$5,099	\$6,234	\$7,204	\$6,911	\$5,294	\$4,920	\$3,904	\$4,755	\$1,156	32.1%	\$851	21.8%
<b>Worcester</b>	\$2,492	\$1,146	\$2,129	\$2,631	\$4,265	\$3,467	\$3,317	\$3,275	\$4,397	\$5,904	\$8,018	\$5,526	221.7%	\$2,114	35.8%
<b>System</b>	<b>\$11,099</b>	<b>\$12,988</b>	<b>\$13,239</b>	<b>\$14,797</b>	<b>\$17,066</b>	<b>\$16,858</b>	<b>\$16,926</b>	<b>\$16,106</b>	<b>\$13,155</b>	<b>\$15,475</b>	<b>\$18,749</b>	<b>\$7,650</b>	<b>68.9%</b>	<b>\$3,274</b>	<b>21.2%</b>

	Institutional R&D Expenditures														
	FY95	FY96	FY97	FY98	FY99	FY00	FY01	FY02	FY03	FY04	FY05	10-Year Change FY95 - FY05		1-Year Change FY04 - FY05	
												\$	%	\$	%
<b>Amherst</b>	\$17,326	\$17,503	\$26,022	\$26,967	\$27,796	\$31,879	\$29,538	\$35,959	\$36,490	\$38,932	\$42,887	\$25,561	147.5%	\$3,955	10.2%
<b>Boston</b>	\$3,359	\$3,691	\$4,000	\$4,005	\$3,997	\$4,371	\$4,663	\$4,494	\$5,815	\$5,861	\$6,731	\$3,372	100.4%	\$870	14.8%
<b>Dartmouth</b>	\$37	\$62	\$375	\$15	\$723	\$1,677	\$1,411	\$1,644	\$2,585	\$4,092	\$3,305	\$3,268	8832.4%	-\$787	-19.2%
<b>Lowell</b>	\$1,821	\$1,160	\$1,151	\$1,484	\$1,669	\$1,626	\$1,587	\$1,747	\$1,365	\$1,224	\$1,309	-\$512	-28.1%	\$85	6.9%
<b>Worcester</b>	\$18,116	\$6,264	\$6,485	\$6,495	\$0	\$0	\$0	\$0	\$0	\$1,106	\$1,583	-\$16,533	-91.3%	\$477	43.1%
<b>System</b>	<b>\$40,659</b>	<b>\$28,680</b>	<b>\$38,033</b>	<b>\$38,966</b>	<b>\$34,185</b>	<b>\$39,553</b>	<b>\$37,199</b>	<b>\$43,844</b>	<b>\$46,255</b>	<b>\$51,215</b>	<b>\$55,815</b>	<b>\$15,156</b>	<b>37.3%</b>	<b>\$4,600</b>	<b>9.0%</b>

	Other R&D Expenditures														
	FY95	FY96	FY97	FY98	FY99	FY00	FY01	FY02	FY03	FY04	FY05	10-Year Change FY95 - FY05		1-Year Change FY04 - FY05	
												\$	%	\$	%
<b>Amherst</b>	\$6,094	\$6,535	\$6,540	\$6,499	\$6,753	\$7,980	\$8,712	\$9,001	\$8,503	\$7,893	\$9,082	\$2,988	49.0%	\$1,189	15.1%
<b>Boston</b>	\$1,674	\$2,096	\$2,414	\$2,975	\$2,923	\$3,098	\$3,016	\$2,678	\$3,108	\$3,186	\$2,610	\$936	55.9%	-\$576	-18.1%
<b>Dartmouth</b>	\$0	\$0	\$0	\$0	\$0	\$5	\$0	\$0	\$945	\$3	\$4	\$4	-	\$1	33.3%
<b>Lowell</b>	\$1,433	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	-\$1,433	-	-	-
<b>Worcester</b>	\$4,754	\$3,821	\$4,635	\$4,247	\$4,951	\$6,434	\$6,383	\$7,571	\$8,368	\$8,900	\$8,847	\$4,093	86.1%	-\$53	-0.6%
<b>System</b>	<b>\$13,955</b>	<b>\$12,452</b>	<b>\$13,589</b>	<b>\$13,721</b>	<b>\$14,627</b>	<b>\$17,517</b>	<b>\$18,111</b>	<b>\$19,250</b>	<b>\$20,924</b>	<b>\$19,982</b>	<b>\$20,543</b>	<b>\$6,588</b>	<b>47.2%</b>	<b>\$561</b>	<b>2.8%</b>

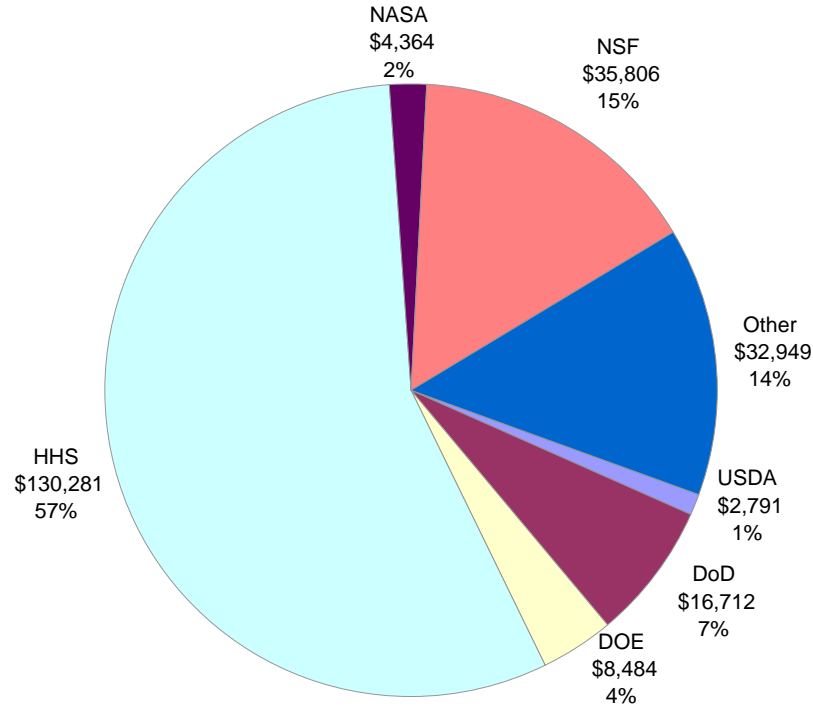
Source: Campus NSF surveys. All dollars are in thousands.

**Science and Engineering R&D Expenditures  
Percent Basic Research FY2005**

<b>FY05 Basic Research as a % of:</b>		
	<b>Federal R&amp;D</b>	<b>Total R&amp;D</b>
<b>Amherst</b>	70%	70%
<b>Boston</b>	0%	0%
<b>Dartmouth</b>	31%	31%
<b>Lowell</b>	78%	78%
<b>Worcester</b>	60%	45%

Source: Campus NSF surveys.

**Science and Engineering R&D Expenditures  
by Federal Government Agency Sources FY2005  
UMASS System**



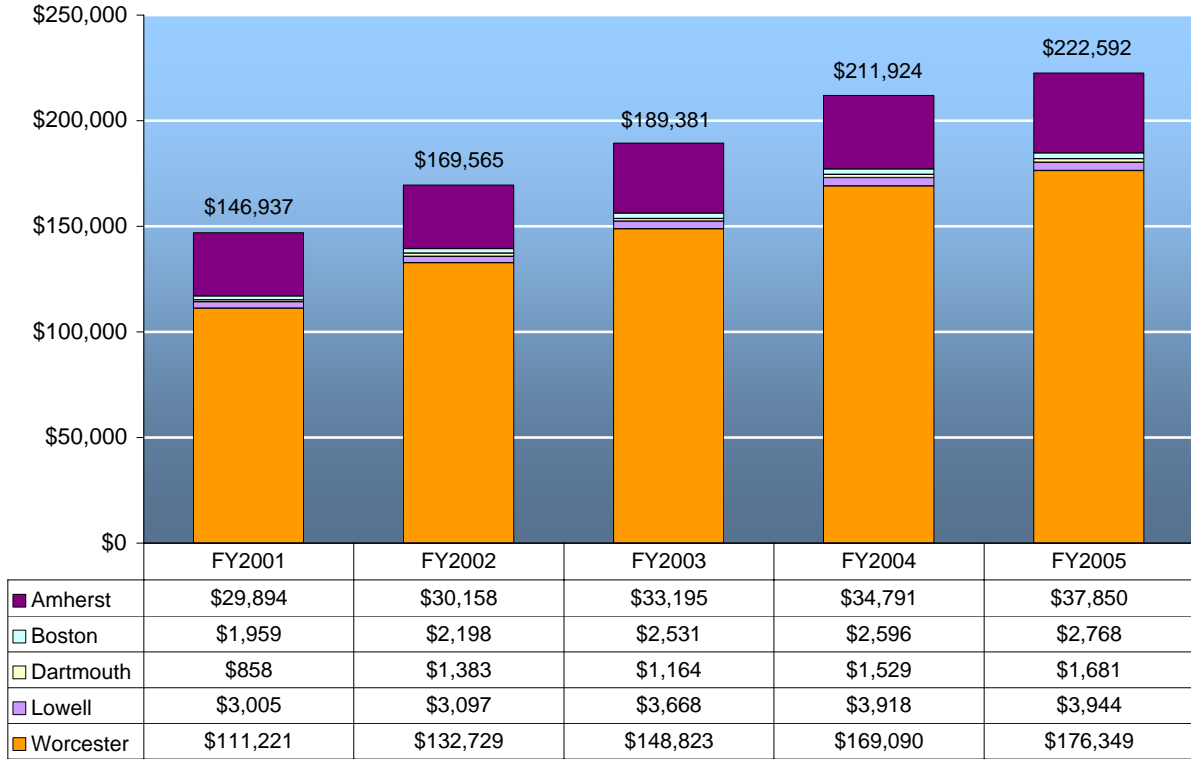
	Total Federal \$	USDA	% of Campus Total	DoD	% of Campus Total	DOE	% of Campus Total	HHS	% of Campus Total	NASA	% of Campus Total	NSF	% of Campus Total	Other	% of Campus Total
<b>Amherst</b>	\$ 66,921	\$ 2,649	4.0%	\$ 6,352	9.5%	\$ 6,898	10.3%	\$ 12,474	18.6%	\$ 1,651	2.5%	\$ 28,798	43.0%	\$ 8,099	12.1%
<b>Boston</b>	\$ 6,326	\$ 20	0.3%	\$ 411	6.5%	\$ 114	1.8%	\$ 2,799	44.2%	\$ -	0.0%	\$ 2,102	33.2%	\$ 880	13.9%
<b>Dartmouth</b>	\$ 9,852	\$ 58	0.6%	\$ 1,721	17.5%	\$ 9	0.1%	\$ 199	2.0%	\$ 1,005	10.2%	\$ 2,428	24.6%	\$ 4,432	45.0%
<b>Lowell</b>	\$ 17,608	\$ -	0.0%	\$ 6,592	37.4%	\$ 1,180	6.7%	\$ 4,365	24.8%	\$ 1,402	8.0%	\$ 1,959	11.1%	\$ 2,110	12.0%
<b>Worcester</b>	\$ 130,680	\$ 64	0.0%	\$ 1,636	1.3%	\$ 283	0.2%	\$ 110,444	84.5%	\$ 306	0.2%	\$ 519	0.4%	\$ 17,428	13.3%
<b>System</b>	\$ 231,387	\$ 2,791	1.2%	\$ 16,712	7.2%	\$ 8,484	3.7%	\$ 130,281	56.3%	\$ 4,364	1.9%	\$ 35,806	15.5%	\$ 32,949	14.2%

Source: Campus NSF surveys. All dollars are in thousands.

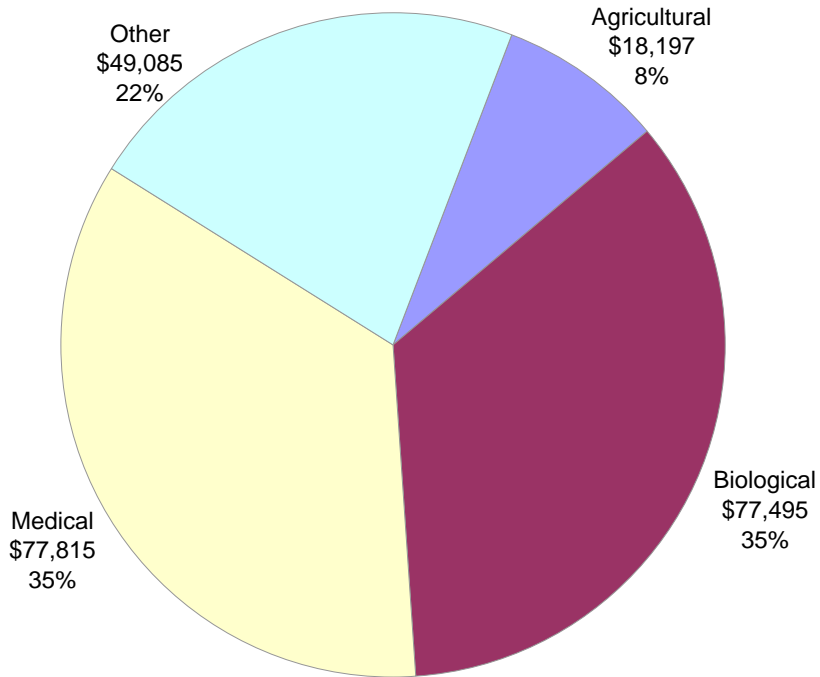
Note: HHS includes NIH



### Life Sciences R&D Expenditures UMASS System FY2001 – FY2005



### Life Sciences R&D Expenditures by Field FY2005 UMASS System



Source: Campus NSF surveys. All dollars are in thousands.

**Life Sciences R&D Expenditures by Field  
FY1995 to FY2005**

	Life Sciences R&D Expenditures														
	FY1995	FY1996	FY1997	FY1998	FY1999	FY2000	FY2001	FY2002	FY2003	FY2004	FY2005	10-Year Change FY95 - FY05		1-Year Change FY04 - FY05	
												\$	%	\$	%
<b>Amherst</b>	\$18,640	\$20,387	\$23,134	\$26,555	\$26,596	\$32,453	\$29,894	\$30,158	\$33,195	\$34,791	\$37,850	\$19,210	103.1%	\$3,059	8.8%
<b>Boston</b>	\$1,757	\$2,616	\$2,394	\$2,306	\$2,422	\$2,190	\$1,959	\$2,198	\$2,531	\$2,596	\$2,768	\$1,011	57.5%	\$172	6.6%
<b>Dartmouth</b>	\$935	\$1,094	\$1,081	\$851	\$1,085	\$1,028	\$858	\$1,383	\$1,164	\$1,529	\$1,681	\$746	79.8%	\$152	9.9%
<b>Lowell</b>	\$2,032	\$2,550	\$1,693	\$931	\$1,384	\$2,205	\$3,005	\$3,097	\$3,668	\$3,918	\$3,944	\$1,912	94.1%	\$26	0.7%
<b>Worcester</b>	\$62,441	\$63,341	\$71,346	\$82,950	\$83,040	\$97,587	\$111,221	\$132,729	\$148,823	\$169,090	\$176,349	\$113,908	182.4%	\$7,259	4.3%
<b>System</b>	<b>\$85,805</b>	<b>\$89,988</b>	<b>\$99,648</b>	<b>\$113,593</b>	<b>\$114,527</b>	<b>\$135,463</b>	<b>\$146,937</b>	<b>\$169,565</b>	<b>\$189,381</b>	<b>\$211,924</b>	<b>\$222,592</b>	<b>\$136,787</b>	<b>159.4%</b>	<b>\$10,668</b>	<b>5.0%</b>

	Agricultural														
	FY1995	FY1996	FY1997	FY1998	FY1999	FY2000	FY2001	FY2002	FY2003	FY2004	FY2005	10-Year Change FY95 - FY05		1-Year Change FY04 - FY05	
												\$	%	\$	%
<b>Amherst</b>	\$10,276	\$12,667	\$12,689	\$16,364	\$16,051	\$13,932	\$11,275	\$11,073	\$10,762	\$15,321	\$17,017	\$6,741	65.6%	\$1,696	11.1%
<b>Boston</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	-	-	-	-
<b>Dartmouth</b>	\$627	\$739	\$824	\$688	\$865	\$835	\$659	\$956	\$617	\$1,064	\$1,180	\$553	88.2%	\$116	10.9%
<b>Lowell</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	-	-	-	-
<b>Worcester</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	-	-	-	-
<b>System</b>	<b>\$10,903</b>	<b>\$13,406</b>	<b>\$13,513</b>	<b>\$17,052</b>	<b>\$16,916</b>	<b>\$14,767</b>	<b>\$11,934</b>	<b>\$12,029</b>	<b>\$11,379</b>	<b>\$16,385</b>	<b>\$18,197</b>	<b>\$7,294</b>	<b>66.9%</b>	<b>\$1,812</b>	<b>11.1%</b>

	Biological														
	FY1995	FY1996	FY1997	FY1998	FY1999	FY2000	FY2001	FY2002	FY2003	FY2004	FY2005	10-Year Change FY95 - FY05		1-Year Change FY04 - FY05	
												\$	%	\$	%
<b>Amherst</b>	\$6,218	\$5,493	\$7,387	\$7,256	\$7,831	\$15,612	\$15,453	\$15,949	\$20,073	\$16,148	\$16,309	\$10,091	162.3%	\$161	1.0%
<b>Boston</b>	\$1,487	\$1,681	\$1,524	\$1,264	\$1,150	\$1,115	\$994	\$1,060	\$1,350	\$1,485	\$1,417	-\$70	-4.7%	-\$68	-4.6%
<b>Dartmouth</b>	\$105	\$182	\$127	\$135	\$205	\$169	\$191	\$413	\$258	\$169	\$190	\$85	81.0%	\$21	12.4%
<b>Lowell</b>	\$1,012	\$979	\$636	\$487	\$675	\$622	\$745	\$658	\$970	\$1,200	\$1,036	\$24	2.4%	-\$164	-13.7%
<b>Worcester</b>	\$19,740	\$18,338	\$21,357	\$29,038	\$30,079	\$32,296	\$35,724	\$44,810	\$50,967	\$57,951	\$58,543	\$38,803	196.6%	\$592	1.0%
<b>System</b>	<b>\$28,562</b>	<b>\$26,673</b>	<b>\$31,031</b>	<b>\$38,180</b>	<b>\$39,940</b>	<b>\$49,814</b>	<b>\$53,107</b>	<b>\$62,890</b>	<b>\$73,618</b>	<b>\$76,953</b>	<b>\$77,495</b>	<b>\$48,933</b>	<b>171.3%</b>	<b>\$542</b>	<b>0.7%</b>

**Life Sciences R&D Expenditures by Field  
FY1995 to FY2005**

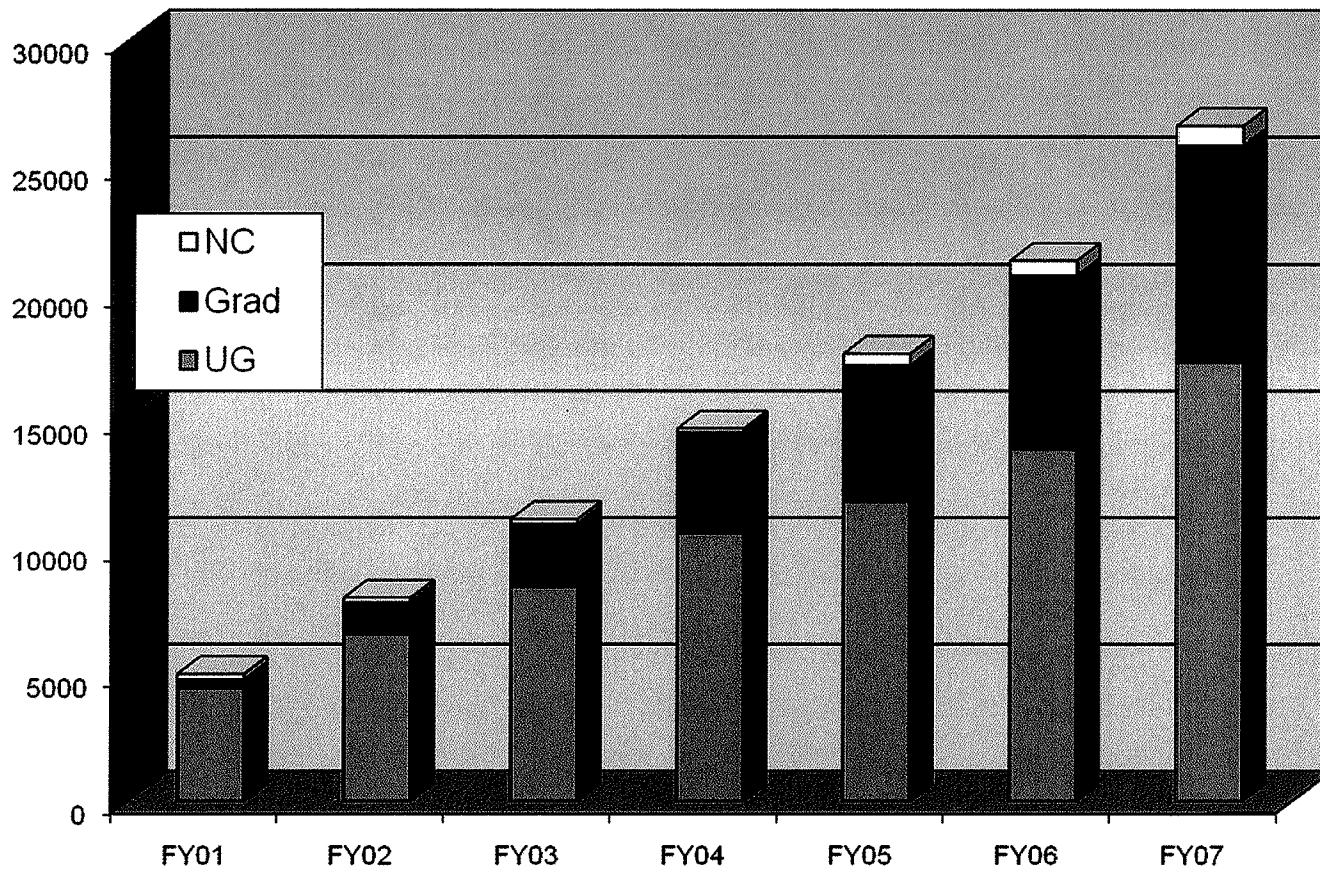
	Medical														
	FY1995	FY1996	FY1997	FY1998	FY1999	FY2000	FY2001	FY2002	FY2003	FY2004	FY2005	10-Year Change FY95 - FY05		1-Year Change FY04 - FY05	
												\$	%	\$	%
<b>Amherst</b>	\$0	\$0	\$0	\$0	\$0	\$450	\$617	\$905	\$884	\$1,062	\$1,804	\$1,804	-	\$742	69.9%
<b>Boston</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	-	-	-	-
<b>Dartmouth</b>	\$0	\$173	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	-	-	-	-
<b>Lowell</b>	\$687	\$591	\$405	\$387	\$481	\$1,475	\$1,955	\$2,266	\$2,681	\$2,715	\$2,886	\$2,199	320.1%	\$171	6.3%
<b>Worcester</b>	\$22,911	\$25,196	\$27,134	\$29,843	\$31,531	\$40,328	\$44,349	\$51,616	\$56,548	\$68,779	\$73,125	\$50,214	219.2%	\$4,346	6.3%
<b>System</b>	<b>\$23,598</b>	<b>\$25,960</b>	<b>\$27,539</b>	<b>\$30,230</b>	<b>\$32,012</b>	<b>\$42,253</b>	<b>\$46,921</b>	<b>\$54,787</b>	<b>\$60,113</b>	<b>\$72,556</b>	<b>\$77,815</b>	<b>\$54,217</b>	<b>229.8%</b>	<b>\$5,259</b>	<b>7.2%</b>

	Other Life Sciences														
	FY1995	FY1996	FY1997	FY1998	FY1999	FY2000	FY2001	FY2002	FY2003	FY2004	FY2005	10-Year Change FY95 - FY05		1-Year Change FY04 - FY05	
												\$	%	\$	%
<b>Amherst</b>	\$2,146	\$2,227	\$3,058	\$2,935	\$2,714	\$2,459	\$2,549	\$2,231	\$1,476	\$2,260	\$2,720	\$574	26.7%	\$460	20.4%
<b>Boston</b>	\$270	\$935	\$870	\$1,042	\$1,272	\$1,075	\$965	\$1,138	\$1,181	\$1,111	\$1,351	\$1,081	400.4%	\$240	21.6%
<b>Dartmouth</b>	\$203	\$0	\$130	\$28	\$15	\$24	\$8	\$14	\$289	\$296	\$311	\$108	53.2%	\$15	5.1%
<b>Lowell</b>	\$333	\$980	\$652	\$57	\$228	\$108	\$305	\$173	\$17	\$3	\$22	-\$311	-93.4%	\$19	633.3%
<b>Worcester</b>	\$19,790	\$19,807	\$22,855	\$24,069	\$21,430	\$24,963	\$31,148	\$36,303	\$41,308	\$42,360	\$44,681	\$24,891	125.8%	\$2,321	5.5%
<b>System</b>	<b>\$22,742</b>	<b>\$23,949</b>	<b>\$27,565</b>	<b>\$28,131</b>	<b>\$25,659</b>	<b>\$28,629</b>	<b>\$34,975</b>	<b>\$39,859</b>	<b>\$44,271</b>	<b>\$46,030</b>	<b>\$49,085</b>	<b>\$26,343</b>	<b>115.8%</b>	<b>\$3,055</b>	<b>6.6%</b>

Source: Campus NSF surveys and WebCASPAR. All dollars are in thousands.



**Growth in Course Enrollments by Fiscal Year and Level**

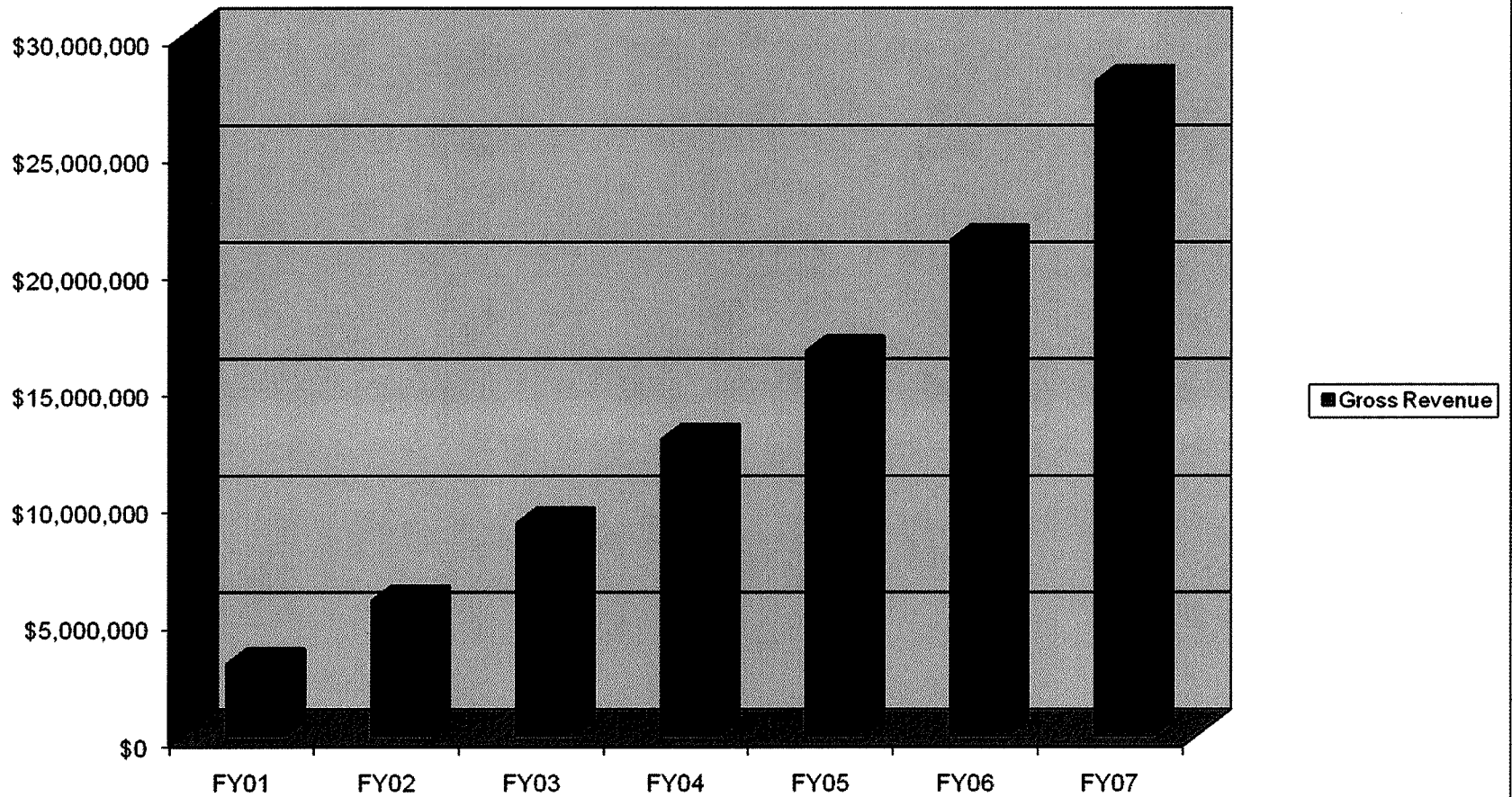




**UMassOnline**  
University of Massachusetts  
[www.umassonline.net](http://www.umassonline.net)

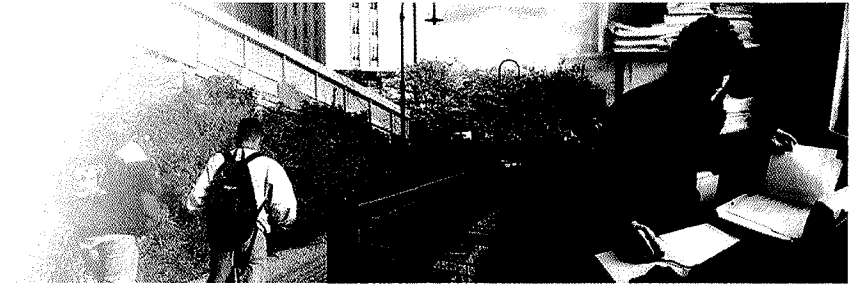


**UMassOnline Gross Revenue by Fiscal Year**





**UMassOnline**  
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[www.umassonline.net](http://www.umassonline.net)



**Growth in Course Sections by Fiscal Year**

