



Learning with Purpose

UMASS LOWELL 2017 Report Card



MISSION AND PILLARS OF EXCELLENCE FOR UMASS LOWELL 2020

MISSION:

The University of Massachusetts Lowell is a nationally ranked public research university committed to excellence in teaching, research and community engagement. We strive to prepare students to succeed in college and to become lifelong learners and informed citizens in a global environment. UMass Lowell offers affordable, experience-based undergraduate and graduate academic programs taught by internationally recognized faculty who conduct research to expand the horizons of knowledge and sustainable practices. The programs span and interconnect the disciplines of business, education, engineering, fine arts, health, humanities, sciences and social sciences. The university continues to build on its founding tradition of innovation, entrepreneurship and partnerships with industry and the community to address challenges facing the region and the world.

UMASS LOWELL 2020—PILLARS AND COMMITTEES:

I. TRANSFORMATIONAL EDUCATION

Jacqueline Moloney, Chancellor
Strategic Planning Steering
Committee: Patricia McCafferty,
Lauren Turner, Michael Vayda,
Joanne Yestramski

Committee on Transformational
Education: Anita Greenwood,
Julie Nash, Co-chairs

Academic Sustainability Committee:
Rich Lemoine, John Wooding,
Co-chairs

Academic Technology Committee:
Michael Cipriano, George Hart,
Co-chairs

Curriculum Enhancement
Committee: Paula Haines,
Jim Nehring, Co-chairs

Faculty Success Committee:
Pradeep Kurup, Marlowe Miller,
Co-chairs

Faculty Honors Subcommittee:
Jim Canning, Supriya Chakrabarti,
Tony Szczesiul, Co-chairs

Graduate Education Committee:
Alkim Akyurtlu, Scott Latham,
Co-chairs

Intercollegiate Athletic Council:
Todd Avery, Stacy Szczesiul,
Frank Talty, Co-chairs

Student Success Committee:
Nicole Champagne, Kerry Donohoe,
Larry Siegel, Co-chairs

Financial Wellness Subcommittee:
Brenda Evans, Joyce McLaughlin,
Steve O’Riordan, Co-chairs

Work Readiness Committee:
Peter Gaines, Stefanie Tate,
Co-chairs

II. GLOBAL ENGAGEMENT & INCLUSIVE CULTURE

Committee on Global Engagement
and Inclusive Culture: Nouredine
Melikechi, Lauren Turner,
Leslie Wong, Co-chairs

Equity Climate Committee:
Meg Bond, Joe Hartman, Co-chairs

International Experience Committee:
Maria Conley, Carole Salmon,
Co-chairs

Title IX Committee: Ann Ciaraldi,
Clara Orlando, Co-chairs

III. INNOVATIVE RESEARCH & ENTREPRENEURSHIP

Committee on Innovative Research:
Andy Harris, Anne Maglia, Co-chairs

Dissemination and External Visibility
Committee: Bob Giles, Christine
Gillette, Shortie McKinney, Co-chairs

Intellectual Property and Technology
Transfer Committee: Rekha
Paleyanda, Xingwei Wang, Co-chairs

Research Infrastructure and Faculty
Support Committee: Matt Nugent,
Susan Puryear, Co-chairs

River Hawk Venture Fund Investment
Advisory Council: Don LaTorre,
Jack Wilson, Co-chairs;
Nancy Saucier, Fund Managing
Director

University Research and Engagement
Centers Committee: Andy Harris,
Ram Nagarajan, Co-chairs

IV. LEVERAGE OUR LEGACY AND OUR PLACE

Economic Development Committee:
Scott Latham, Steve Tello,
Jack Wilson, Co-chairs

Corporate Engagement
Subcommittee: Tom O’Donnell,
Arlene Parquette, Co-chairs

Campaign Executive Committee:
Nancy Donahue, Charles Hoff and
Robert Manning, Co-chairs

Marketing Committee: Bryce
Hoffman, Sandy Richtermeier,
Co-chairs

Web Advisory Committee:
Gerry Nelson, Jim Sherwood,
Co-chairs

V. ENTREPRENEURIAL STEWARDSHIP

Art, Artifacts and Archives
Committee: Mehmed Ali,
Adam Baacke, Co-chairs

Campus Safety Committee:
Randy Brashears, James Kohl,
Co-chairs

Climate Action Plan Committee:
Rich Lemoine, Chris Niezrecki,
Co-chairs

Facilities Renewal and Master
Planning Committee: Tom Dreyer,
Joe Hartman, Co-chairs

Financial Planning Committee:
Monica Galizzi, Steve O’Riordan,
Co-chairs

UMASS LOWELL

2017 Report Card

National Rankings and Recognition

U.S. News & World Report, “National Universities”

- UMass Lowell is ranked No. 78 among the top public universities in the country.
- Since 2010, UMass Lowell has climbed 31 spots in the ranking of top-tier national universities, from No. 183 to No. 152, the second-fastest rise in the nation for that time frame.
- UMass Lowell is ranked No. 51 in online bachelor’s programs.

Chronicle of Higher Education

- UMass Lowell is ranked the ninth fastest-growing public doctoral institution in the nation between 2004 and 2014.

The Education Trust

- UMass Lowell is ranked third in the nation among four-year public institutions for closing achievement gaps for underrepresented students.

U.S. Department of Education

- UMass Lowell is cited as a national model for innovative practices in student success in the College Completion Toolkit.

Payscale.com, “20-year Return on Investment”

- UMass Lowell is ranked No. 43 in the nation among public institutions and first in New England among public research universities for midcareer salaries among graduates with bachelor’s degrees.

INSIGHT Into Diversity magazine

- Since 2015, UMass Lowell has been recognized with the Higher Education Excellence in Diversity (HEED) Award, the only national honor for U.S. colleges and universities that demonstrate an outstanding commitment to diversity and inclusion.

President’s Higher Education Community Service Honor Roll

- UMass Lowell has been on every national Honor Roll since 2009.

Association of Public Land Grant Universities “Innovation and Economic Prosperity Universities” Designation

- UMass Lowell is one of 55 universities in the country to receive this designation in recognition of its commitment to economic engagement.

Military Times

- UMass Lowell is No. 68 in the Best for Vets ranking among all public and private four-year colleges and universities in the nation.

Carnegie Foundation

- UMass Lowell has held the Carnegie Foundation’s designation of “community-engaged campus” since 2008.

(Ranking information as of February 2017)

I. TRANSFORMATIONAL EDUCATION

A. Admissions and Enrollment

Selectivity for Full-time, First-year Students

| | Fall 2010 | Fall 2015 | Fall 2016 | Fall 2020 GOAL |
|-------------------------|-----------|-----------|-----------|----------------|
| Average SAT | 1089 | 1173 | 1171 | 1245** |
| Average High School GPA | 3.18 | 3.54 | 3.59 | 3.70 |

** On the new SAT scale

Enrollment

| | Fall 2010 | Fall 2015 | Fall 2016 | Fall 2020 GOAL |
|--|-----------|-----------|-----------|----------------|
| Head Count | | | | |
| Undergraduate | 8,570 | 10,345 | 10,750 | 12,000 |
| Undergraduate from Out-of-state | 8.7% | 12.6% | 13.2% | 15.0% |
| Master's | 1,687 | 2,487 | 2,601 | 2,900 |
| Doctoral | 627 | 788 | 825 | 850 |
| Online and Continuing Education | 1,829 | 1,916 | 1,917 | 1,900 |
| Certificates and Non-degree | 1,973 | 1,914 | 1,764 | 1,350 |
| Total Enrollment | 14,686 | 17,450 | 17,857 | 19,000 |
| Annual Increase Total Enrollment | 8.0% | 1.5% | 2.3% | 1.5% |
| Full-time Equivalent (FTE) Enrollment | | | | |
| Total FTE Enrollment | 11,246 | 13,531 | 13,818 | 15,000 |
| Annual Increase Total FTE Enrollment | 9.2% | 1.8% | 2.1% | 2.0% |

Online Course Registrations

| | AY 2010 | AY 2015 | AY 2016 | AY 2020 GOAL |
|--|---------|---------|---------|--------------|
| Online Course Enrollments | 16,698 | 25,021 | 26,834 | 29,500 |
| Annual Increase | 15.7% | 7.1% | 7.3% | 4.0% |
| Online and Continuing Education Revenue (millions) | \$27.9 | \$43.3 | \$47.2 | \$50.0 |

B. Student Success

Degrees Awarded

| | AY 2010 | AY 2015 | AY 2016 | AY 2020 GOAL |
|------------|---------|---------|---------|--------------|
| Bachelor's | 1,475 | 2,388 | 2,333 | 2,700 |
| Master's | 607 | 976 | 1,037 | 1,100 |
| Doctoral | 67 | 124 | 137 | 130 |

Student Debt Load of Graduating Class (Undergraduates)

| | Fall 2010 | Fall 2015 | Fall 2016 | Fall 2020 GOAL |
|-------------------|-----------|-----------|-----------|----------------|
| Average Debt Load | \$24,087 | \$30,915 | \$31,432 | \$30,000 |

Retention and Graduation Rates

| | Fall 2010 | Fall 2014 | Fall 2015 | Fall 2020 GOAL |
|---|-----------|-----------|-----------|----------------|
| One-year Retention Rate of First-year Students | 78% | 86% | 85% | 90% |
| Peers (median) | 84% | 85% | n/a | |
| 6-year Graduation Rate | 51% | 56% | 56% | 60% |
| Peers (median) | 57% | 63% | n/a | |
| 4-Year Graduation Rate of Upper-level Transfers | n/a | 66% | 64% | 70% |

Undergraduate Day Class Size

| | Fall 2010 | Fall 2015 | Fall 2016 | Fall 2020 GOAL |
|------------------|-----------|-----------|-----------|----------------|
| Percent below 20 | 50% | 59% | 53% | 50% |
| Peers (median) | 38% | 39% | n/a | |

Honors College

| | Fall 2010 | Fall 2015 | Fall 2016 | Fall 2020 GOAL |
|--|-----------|-----------|-----------|----------------|
| Total Students Enrolled | 403 | 1,084 | 1,429 | 1,800 |
| Proportion of Undergraduate Student Body | 5% | 11% | 13% | 15% |

Beyond the Classroom

| | FY 2010 | FY 2015 | FY 2016 | FY 2020 GOAL |
|---|---------|---------|---------|--------------|
| Experiential Learning | | | | |
| Professional Co-ops | 83 | 457 | 547 | 950 |
| Research & Community Co-ops | n/a | 128 | 174 | 200 |
| Residential Experience | | | | |
| Freshmen Living in Residence Halls | 77% | 81% | 81% | 86% |
| Freshmen Residents in Living-learning Communities | 22% | 39% | 50% | 80% |
| All Residential Students in Living-learning Communities | 10% | 20% | 26% | 50% |

Number of Faculty

| | Fall 2010 | Fall 2015 | Fall 2016 | Fall 2020 GOAL |
|---|-----------|-----------|-----------|----------------|
| FT Faculty | 434 | 565 | 576 | 650 |
| PT/FTE | 190 | 182 | 179 | 200 |
| Total Faculty FTE | 624 | 747 | 755 | 850 |
| Percent of Instruction Capacity by Adjuncts | 30% | 24% | 24% | 20% |
| Student:Faculty Ratio | 18:1 | 17:1 | 17:1 | 18:1 |

National Survey of Student Engagement Results: Overall Student Satisfaction

| Percent of students evaluating their entire educational experience as "good" or "excellent" | 2015 | 2016 | 2020 GOAL |
|---|------|------|-----------|
| UMass Lowell First-year | 78% | 87% | 88% |
| New England Publics First-year | 85% | 84% | |
| UMass Lowell Seniors | 84% | 81% | 88% |
| New England Publics Seniors | 84% | 84% | |

II. GLOBAL ENGAGEMENT AND FOSTERING INCLUSION

Gender Breakdown for First-time, First-year Students

| | Fall 2010 | Fall 2015 | Fall 2016 | Fall 2020 GOAL |
|------------------------|-----------|-----------|-----------|----------------|
| Gender Breakdown (M/F) | 64/36 | 65/35 | 60/40 | 55/45 |

International Undergraduate/Graduate Students

| | Fall 2010 | Fall 2015 | Fall 2016 | Fall 2020 GOAL |
|---------------------------|-----------|-----------|-----------|----------------|
| Total Undergraduate | 64 | 401 | 478 | 525 |
| Percent of Undergraduates | 0.6% | 3.1% | 3.6% | 4.0% |
| Graduate | 390 | 752 | 780 | 800 |
| Percent of Graduates | 11.4% | 18.0% | 19.0% | 18.0% |

Underrepresented Populations—Students

| | Fall 2010 | Fall 2015 | Fall 2016 | Fall 2020 GOAL |
|---------------------------------|-----------|-----------|-----------|----------------|
| Undergraduate Students of Color | 2,122 | 3,012 | 3,194 | 3,800 |
| Percent | 26.0% | 31.4% | 32.0% | 32.0% |
| Graduate Students of Color | 510 | 701 | 767 | 800 |
| Percent | 19.0% | 22.8% | 25.0% | 26.0% |

Underrepresented Populations—Faculty and Staff

| | Spring 2010 | Spring 2015 | Fall 2016 | Fall 2020 GOAL |
|------------------|-------------|-------------|-----------|----------------|
| Faculty of Color | 86 | 151 | 168 | 200 |
| Percent | 21.0% | 26.4% | 29.7% | 30.0% |
| Staff of Color | 101 | 160 | 183 | 200 |
| Percent | 13.1% | 14.9% | 16.7% | 17.0% |

III. INNOVATIVE RESEARCH

Research and Development Expenditures

| | FY 2010 | FY 2015 | FY 2016 | FY 2020 GOAL |
|--|-----------|-----------|-----------|--------------|
| Total R&D Expenditures (millions) | \$59.3 | \$70.4 | \$68.5 | \$90.0 |
| Total Externally Funded Research Expenditures (millions) | \$32.7 | \$40.4 | \$36.9 | \$50.0 |
| Total R&D Expenditures Per Tenure Track Faculty Member | \$162,145 | \$166,392 | \$159,289 | \$175,000 |

IV. LEVERAGE OUR LEGACY AND OUR PLACE

Alumni Participation

| | FY 2010 | FY 2015 | FY 2016 | FY 2020 GOAL |
|-----------------------------|---------|---------|---------|--------------|
| Alumni Participation | 4,909 | 8,761 | 9,413 | 10,000 |
| Percent Giving | 7.6% | 12.0% | 12.4% | 13.0% |
| Peer Average Percent Giving | 6.0% | 5.0% | n/a | |

Individual and Corporate Giving (millions)

| | FY 2010 | FY 2015 | FY 2016 | FY 2020 GOAL |
|---------------------------|---------|---------|---------|--------------|
| Private Funds Raised | \$10.8 | \$21.0 | \$21.5 | \$24.0 |
| Cumulative Campaign Goals | n/a | \$55.7 | \$84.7 | \$125.0 |

Total Endowment and Endowment per Student

| | FY 2010 | FY 2015 | FY 2016 | FY 2020 GOAL |
|---|---------|---------|---------|--------------|
| Total Endowment—Market Value (millions) | \$41.2 | \$82.4 | \$81.0 | \$100 |
| Endowment Per Student FTE | \$3,939 | \$6,120 | \$5,858 | \$6,500 |
| Peers (average) | \$6,151 | n/a | n/a | |

V. ENTREPRENEURIAL STEWARDSHIP

Financial Health

| | FY 2010 | FY 2015 | FY 2016 | FY 2020 GOAL |
|-------------------------------------|---------|---------|---------|--------------|
| Total Operating Revenues (millions) | \$170.5 | \$270.1 | \$286.0 | \$360.0 |
| Annual Growth | 9.3% | 10.5% | 6.0% | 6.0% |
| Total Operating Budget (millions) | \$243.9 | \$387.2 | \$417.9 | \$505.0 |
| Operating Margin | 9.8% | 1.0% | 0.2% | 2.0% |
| Debt Service Ratio | 4.0% | 7.6% | 7.7% | 7.5% |
| Primary Reserve Ratio | 22.7% | 22.1% | 21.4% | 20.0% |

Facilities

| | FY 2010 | FY 2015 | FY 2016 | FY 2020 GOAL |
|----------------------------------|---------|---------|---------|--------------|
| Accessible Buildings on Campus | 24% | 64% | 83% | 90% |
| Classroom Seat Utilization Index | 0.391 | 0.423 | 0.441 | 0.475 |

Sustainability

| | FY 2010 | FY 2015 | FY 2016 | FY 2020 GOAL |
|---|---------|---------|---------|--------------|
| STARS Points (Sustainability, Tracking, Assessment & Rating System) | n/a | 53.9 | 70.5 | 72.0 |
| STARS Rating | n/a | Silver | Gold | Gold |
| Net GHG Scope 1+2 Emissions MT/1000 Gross SF | 9.15 | 7.85 | n/a | 8.00 |
| Net GHG Scope 3 Emissions, MT per FTE | 1.80 | 1.58 | n/a | 1.76 |

Source: UMass Lowell Office of Institutional Research

Current Peers: Georgia State University; University of Maine; University of Maryland-Baltimore County; San Diego State University; Virginia Commonwealth University; University of Wisconsin-Milwaukee



Learning with Purpose

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