

State: Massachusetts

Capital City: Boston

Major Cities: Worcester, Springfield, Lowell, Cambridge, New Bedford, Brockton, Lynn, Amherst

Major Companies: Liberty Mutual, Massachusetts Mutual Life Insurance Company, TJX Companies, General Electric, Raytheon, American Tower, Global Partners, Thermo Fisher Scientific, State Street Corporation, Biogen, Eversource Energy, and Boston Scientific

Major Sectors/Economy:

- The economy of Massachusetts today is based largely on technological research and development and the service sector
- Manufacturing employs more than 231,200 people
- Twelve Fortune 500 companies were located in Massachusetts
- Major sectors include higher Education, Biotechnology, Information Technology, Finance, Health care, Tourism, Manufacturing, and Defense
- The Route 128 corridor and Greater Boston continue to be a major center for venture capital investment and high technology remains an important sector
- Massachusetts's economy was prospering because of the close relationship between the computer and the communications industries, as well as the many educational institutions of the metropolitan Boston area

Climate: Most of Massachusetts has a humid continental, with cold winters and warm summers

University Eligibility and Fee:

University	Bachelors Eligibility	Bachelors Fee Range/yr	Masters Eligibility	Masters Fee Range/yr
Massachusetts Institute of Technology	GPA – 3.8 SAT– 1430-1580 ACT – 33-35	\$51,520	GRE-330 GPA – 3.9/90% TOEFL -100/IELTS – 7.0	\$53,790
Harvard University	GPA – 3.8 SAT– 1400-1600 ACT – 32-35	\$46,340	GRE-330 GPA – 3.9/90% TOEFL -100/IELTS – 7.0	\$
University of Massachusetts Amherst	GPA – 3.6 SAT– 1130-1310 ACT – 25-30	\$55,520	GRE-320 GPA – 3.8/85% TOEFL -100/IELTS – 7.0	\$34,532
North eastern University	GPA – 3.7 SAT– 1340-1510 ACT – 31-34	\$50,540	GRE-310 GPA – 3.6/75% TOEFL -92/IELTS – 6.5	\$26,489
University of Massachusetts Boston	GPA – 3.4 SAT– 950-1160 ACT – NA	\$33,640	GRE-305 GPA – 3.5/70% TOEFL -92/IELTS – 6.5	\$37,628

University of Massachusetts Lowell	GPA – 3.5 SAT– 1070-1270 ACT – 23-29	\$32,357	GRE-310 GPA – 3.6/75% TOEFL -92/IELTS – 6.5	\$29,841
University of Massachusetts Dartmouth	GPA – 3.4 SAT– 920-1130 ACT – 19-25	\$28,716	GRE-295 GPA – 3.4/65% TOEFL -80/IELTS – 6.5	\$22,577

University Key points:

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University of Massachusetts Amherst	<ul style="list-style-type: none"> • Founded in 1863 • Ranking: U.S. News and World Report's 2020 edition of America's Best Colleges ranked UMass Amherst tied for 64th on their list of "Best National Universities", and tied for 24th among public universities in the U.S • 243,628 University of Massachusetts Amherst alumni worldwide • UMass Amherst graduates include 1 Nobel prize winner, 1 National Humanities Medal winner, numerous Fulbright, Goldwater, Churchill, Truman and Gates Scholars as well as several Pulitzer prize winners, Grammy, Emmy, and Academy Award winners • Endowment: \$347.0 million (2018) • The university offers academic degrees in 109 Undergraduate, 77 Master's and 48 Doctoral programs, Programs are coordinated in nine schools and colleges. • In fiscal year 2014, UMass Amherst had research expenditures exceeding \$200 million • At University of Massachusetts--Amherst, 55 percent of full-time undergraduates receive some kind of need-based financial aid, and the average need-based scholarship or grant award is \$11,175.
University of Massachusetts Dartmouth	<ul style="list-style-type: none"> • Founded: 1895 • Ranking: #218 in National Universities • In 2019, the university ranked #76 in "Best Online Graduate Business Programs (Excluding MBA)", #41-#51 in "Best Online Graduate Computer Information Technology Programs" and #132-#170 in "Best Online Graduate Nursing Programs" by U.S. News & World Report • Alumni: 50,000+ UMass Dartmouth alumni • Endowment: \$54.6 million (2018) • At University of Massachusetts--Dartmouth, 74 percent of full-time undergraduates receive some kind of need-based financial aid, and the average need-based scholarship or grant award is \$11,132. • Research Activity - \$26.6M
Harvard University	<ul style="list-style-type: none"> • Founded: 1636 • Ranking: 1

	<ul style="list-style-type: none"> • Alumni: 49 Nobel Laureates, 32 heads of state, 48 Pulitzer Prize winners; eight U.S. presidents, 188 living billionaires, 108 Olympic medals (108 Olympic medals) More than 371,000 living alumni, over 279,000 in the U.S., and over 59,000 in some 202 other countries • Total R&D Expenditure: \$1,077,253 <ul style="list-style-type: none"> ○ Science: \$941,819 ○ Engineering: \$70,131 ○ Other: \$65,303 • Funding Sources: <ul style="list-style-type: none"> ○ Federal government: \$558,611 ○ State and local government: \$2,591 ○ Institution funds: \$306,914 ○ Businesses: \$50,651 ○ Non-profit organizations: \$138,525 ○ Other donors: \$19,961 • Endowment: \$40.9 billion • Harvard University is a world leader in research and innovation as 78% of students receive financial aid
University of Massachusetts Boston	<ul style="list-style-type: none"> • Founded in 1964 • Ranking: Forbes ranked UMass Boston No. 247 in its fourth annual ranking of the 300 Best Value Colleges • U.S. News & World Report listed five UMass Boston graduate programs among the top 100 in their respective categories • Endowment: \$78.9 million • 79 Undergraduate programs and 114 Graduate programs • In fall 2019, international students from 144 countries were enrolled • \$50.3 million in research funding in fiscal year '19 • 16,000 undergraduate and graduate students
University of Massachusetts Lowell	<ul style="list-style-type: none"> • Founded: 1894 • Ranking: 89 Public University Ranking (U.S. News & World Report), 179 National University Ranking (U.S. News & World Report) • Endowment: US\$ 91.7 million • 18,000 student's bachelor's, master's and doctoral degrees • UMass Lowell is among the top 200 research universities in the U.S • Total research and development expenditures total more than \$72 million • Ranked 13th in the U.S. for intellectual property generated • 8 Teams patents filed or issued, 35 Companies formed by Teams, \$4 Million raised by Teams
Massachusetts Institute of Technology	<ul style="list-style-type: none"> • Founded: 1861 • Ranking: MIT places among the top five in many overall rankings of universities • 96 Nobel laureates, 26 Turing Award winners, and 8 Fields Medalists have been affiliated with MIT as alumni, faculty members, or researchers. In addition, 58 National Medal of

	<p>Science recipients, 29 National Medals of Technology and Innovation recipients, 50 MacArthur Fellows, 73 Marshall Scholars, 48 Rhodes Scholars, 41 astronauts, and 16 Chief Scientists of the US Air Force have been affiliated with MIT</p> <ul style="list-style-type: none"> • Patents: MIT faculty and researchers disclosed 632 inventions, were issued 153 patents, earned \$85.4 million in cash income, and received \$69.6 million in royalties • Endowment: \$17.57 billion • MIT alumni found that they have formed 25,800 companies, employing more than three million people including about a quarter of the workforce of Silicon Valley. Those firms collectively generate global revenues of about \$1.9 trillion (£1.2 trillion) a year. • If MIT were a country, it would have the 11th highest GDP of any nation in the world • MIT is the only university on this list that spends nearly as much money on engineering as it does on science research • Laboratory, a facility dedicated to developing technological innovations in areas like homeland protection, space systems, and air traffic control. Students can search for research programs and initiatives through a database that categorizes opportunities by field of study. • Total R&D Expenditure: \$946,159 <ul style="list-style-type: none"> ○ Science: \$452,188 ○ Engineering: \$427,923 ○ Other: \$66,048 • Funding Sources: <ul style="list-style-type: none"> ○ Federal government: \$503,858 ○ State and local government: \$1,212 ○ Institution funds: \$92,076 ○ Businesses: \$158,451 ○ Non-profit organizations: \$94,808 ○ Other donors: \$94,754 • The school also has a strong entrepreneurial culture, and the aggregated annual revenues of companies founded by MIT alumni (\$1.9 trillion) would rank roughly as the tenth-largest economy in the world
Northeastern University	<ul style="list-style-type: none"> • Founded: 1898 • Ranking: #40 in National Universities • Alumni: 2,65,000+ Alumni; 180+ Countries • Endowment: \$1.055 billion • More than 75% of Northeastern students receive some form of financial aid. In the 2019–20 school year, the university has committed \$296.2 million in grant and scholarship assistance • 32 percent of full-time undergraduates receive some kind of need-based financial aid, and the average need-based scholarship or grant award is \$27,457

	<ul style="list-style-type: none"> • Northeastern offers undergraduate majors in 65 departments. At the graduate level, there are about 125 programs • \$178.8M in external research funding • 8 interdisciplinary research institutes focused on global challenges in health, security, and sustainability; 3,000+ corporate partners worldwide; 146 countries where we've placed students in experience-powered learning opportunities
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