

UMass Research & Expenditures Report

FY 2018

Office of the President, Institutional Research



University of Massachusetts

Amherst • Boston • Dartmouth • Lowell • Medical School • UMassOnline

Table of Contents

□ KEY HIGHLIGHTS

□ KEY HIGHLIGHTS	1-2
------------------	-----

□ FY 2014 – FY 2018

□ UMASS SYSTEM	3
□ UMASS AMHERST	4
□ UMASS BOSTON	5
□ UMASS DARTMOUTH	6
□ UMASS LOWELL	7
□ UMASS MEDICAL SCHOOL	8
□ UMASS PRESIDENT'S OFFICE	9

□ TOTAL R&D EXPENDITURES BY FIELD FY 2018

□ UMASS SYSTEM	10
□ UMASS AMHERST	11
□ UMASS BOSTON	12
□ UMASS DARTMOUTH	13
□ UMASS LOWELL	14
□ UMASS MEDICAL SCHOOL	15
□ UMASS PRESIDENT'S OFFICE	16

□ FEDERAL GOVERNMENT AGENCY SOURCES FY 2018	17
---	----

Key Highlights



\$651M

UMass Total R&D Expenditures FY 2018



1%

1-Year Change in UMass Total R&D Expenditures (vs. FY 2017)



8%

5-Year Change in UMass Total R&D Expenditures (vs. FY 2013)



#3

State Ranking among MA universities in R&D Expenditures FY 2018




\$594M

UMass STEM R&D Expenditures FY 2018



1%

1-Year Change in UMass STEM R&D Expenditures (vs. FY 2017)



55%

Percent of all R&D Expenditures from Life Sciences FY 2018

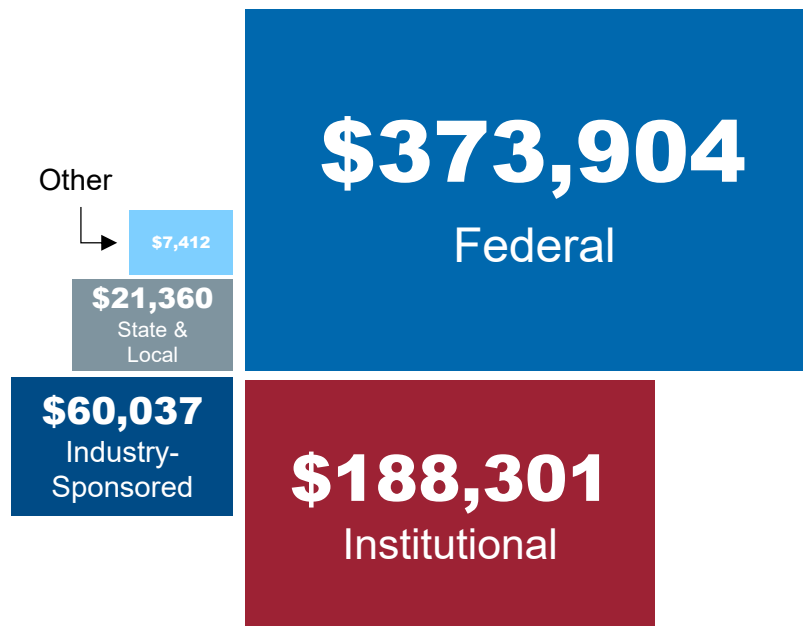


70%

Percent of Total MA R&D Expenditures from Harvard, MIT, & UMass FY 2018

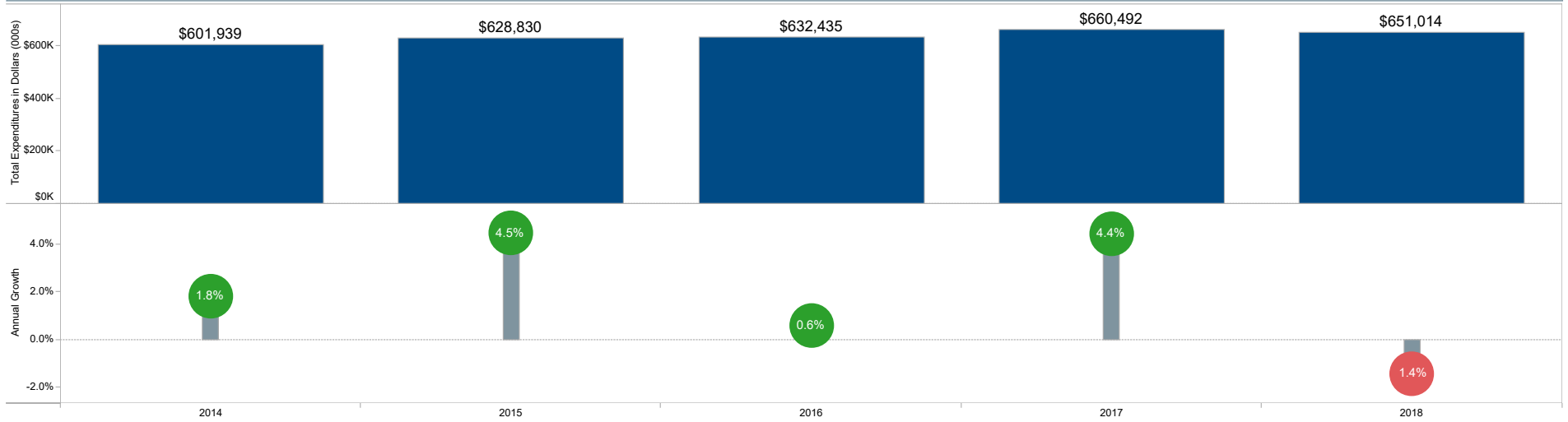
Key Highlights

UMASS SOURCE OF FUNDING FY2018 (IN THOUSANDS)

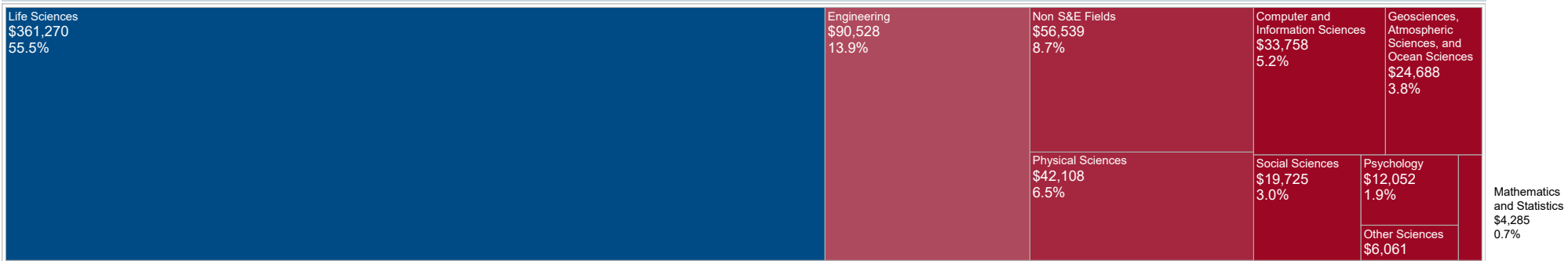


Source	1-Year % Change (vs. FY 2017)	5-Year % Change (vs. FY 2013)
Federal	▼ 1%	▲ 3%
State & Local	▼ 40%	▲ 44%
Industry Sponsored	▼ 2%	▲ 29%
Institutional	▲ 3%	▲ 16%
Other	▲ 48%	▲ 114%

UMASS System Total R&D Expenditures FY 2014 - FY 2018



UMASS System Total R&D Expenditure by R&D Field Group FY 2018



UMass President's Office - Institutional Research

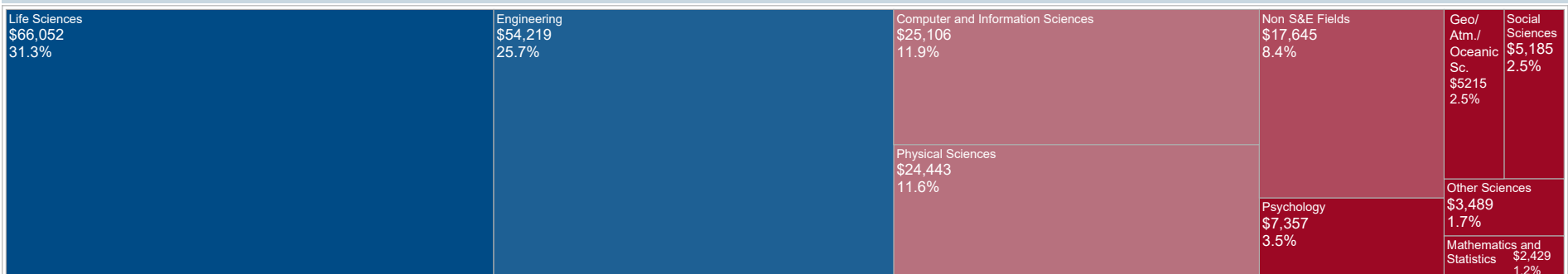
FY 2018 R&D Expenditures

Source: Campus NSF surveys. All dollars are in thousands.

Amherst Total R&D Expenditures FY 2014 - FY 2018



Amherst Total R&D Expenditure by R&D Field Group FY 2018

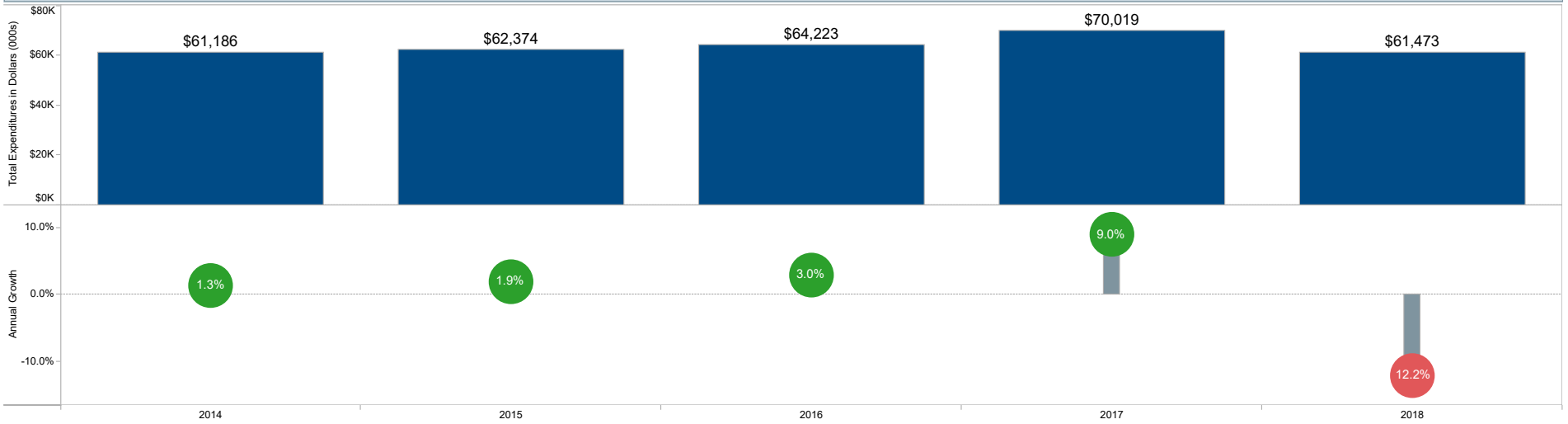


UMass President's Office - Institutional Research

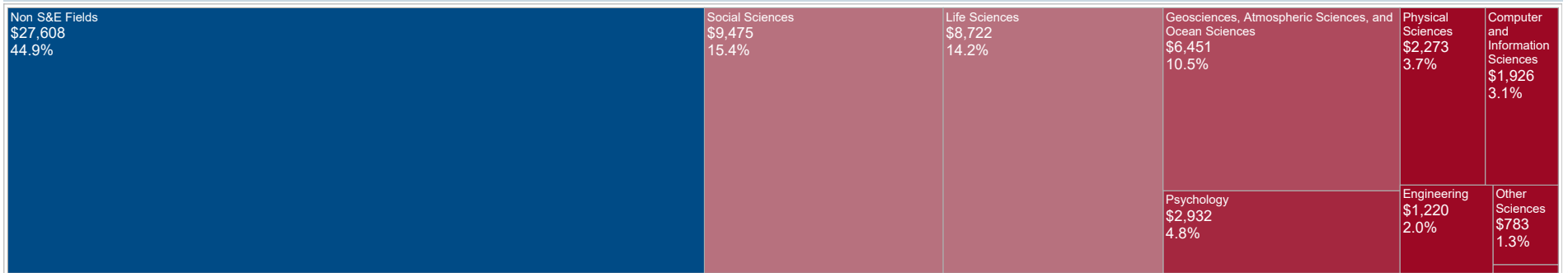
FY 2018 R&D Expenditures

Source: Campus NSF surveys. All dollars are in thousands.

Boston Total R&D Expenditures FY 2014 - FY 2018



Boston Total R&D Expenditure by R&D Field Group FY 2018



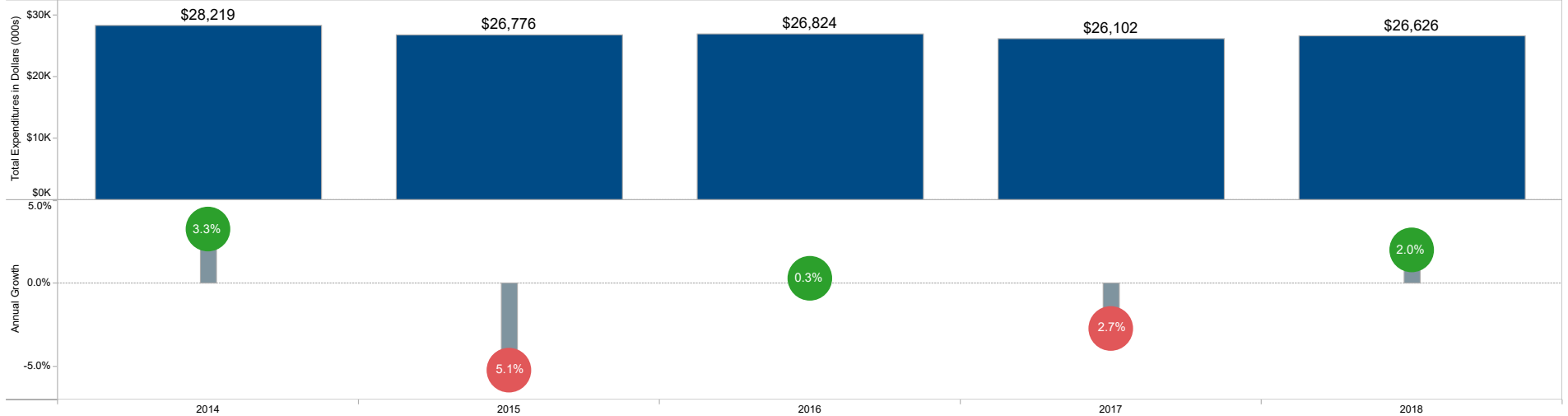
UMass President's Office - Institutional Research

FY 2018 R&D Expenditures

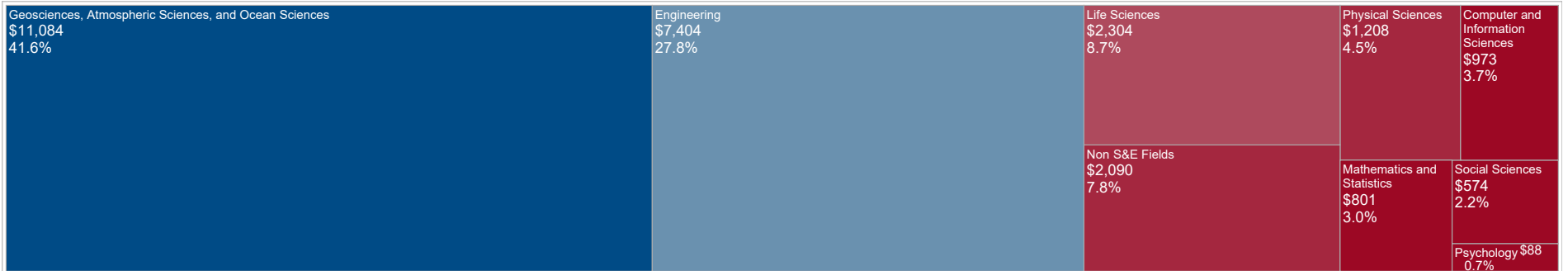
Source: Campus NSF surveys. All dollars are in thousands.

Mathematics and Statistics
\$83
0.1%

Dartmouth Total R&D Expenditures FY 2014 - FY 2018



Dartmouth Total R&D Expenditure by R&D Field Group FY 2018

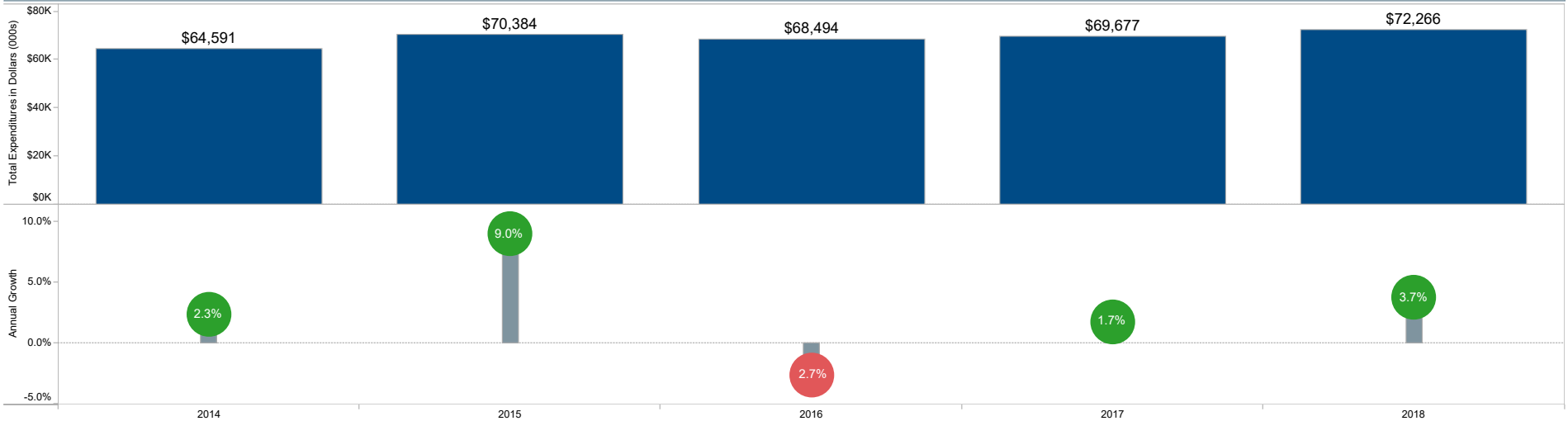


UMass President's Office - Institutional Research

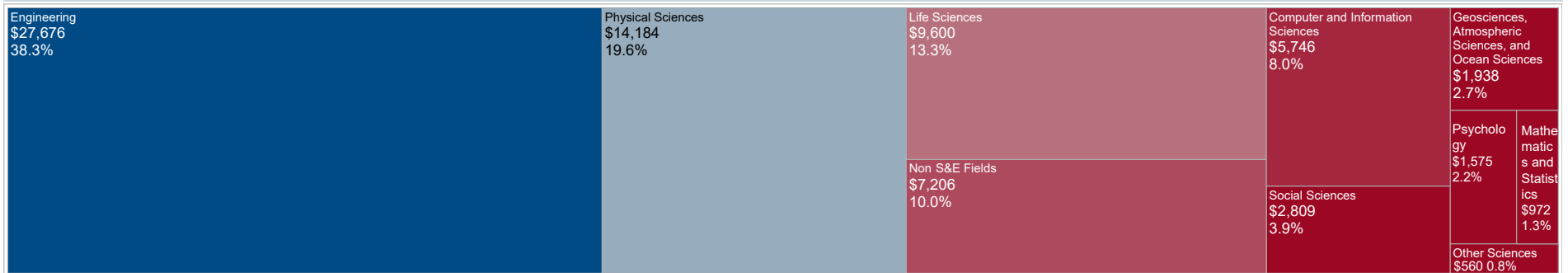
FY 2018 R&D Expenditures

Source: Campus NSF surveys. All dollars are in thousands.

Lowell Total R&D Expenditures FY 2014 - FY 2018



Lowell Total R&D Expenditure by R&D Field Group FY 2018

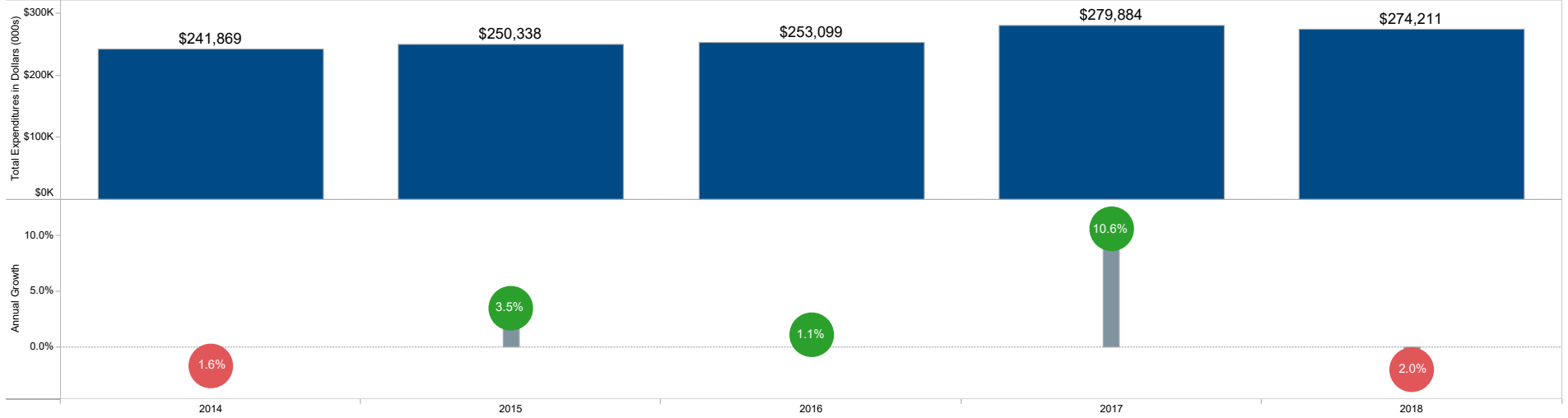


UMass President's Office - Institutional Research

FY 2018 R&D Expenditures

Source: Campus NSF surveys. All dollars are in thousands.

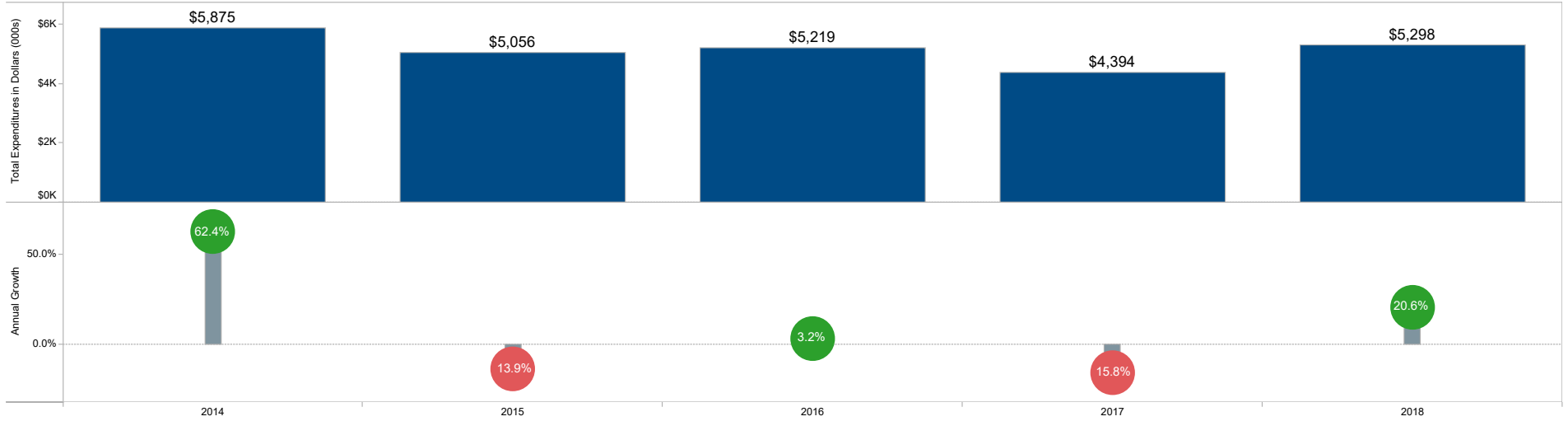
Medical School Total R&D Expenditures FY 2014 - FY 2018



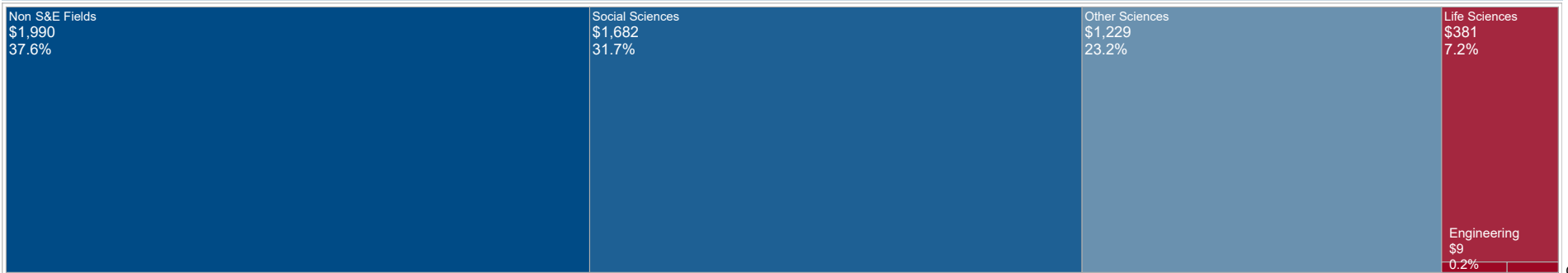
Medical School Total R&D Expenditure by R&D Field Group FY 2018



Presidents Office Total R&D Expenditures FY 2014 - FY 2018



Presidents Office Total R&D Expenditure by R&D Field Group FY 2018



UMass President's Office - Institutional Research

FY 2018 R&D Expenditures

Source: Campus NSF surveys. All dollars are in thousands.

Computer and Information Sciences \$7 0.1%

UMASS System - FY 2018 Total Expenditures by Field (Federal and Non-Federal)

Field Category	Field Group	Field	Federal	Non Federal	Grand Total	
Grand Total			\$373,904	\$277,110	\$651,014	
SCI & ENG FIELDS	Engineering	Aerospace, Aeronautical, and Astronautical Engineering	\$0	\$0	\$0	
		Bioengineering and Biomedical Engineering	\$3,343	\$1,771	\$5,114	
		Chemical Engineering	\$13,007	\$13,287	\$26,294	
		Civil Engineering	\$5,980	\$12,980	\$18,960	
		Electrical, Electronic, and Communications Engineering	\$12,547	\$9,973	\$22,520	
		Industrial and Manufacturing Engineering	\$0	\$0	\$0	
		Mechanical Engineering	\$7,210	\$8,322	\$15,532	
		Metallurgical and Materials Engineering	\$0	\$0	\$0	
		Other Engineering	\$677	\$1,431	\$2,108	
		Physical Sciences	Astronomy and Astrophysics	\$3,145	\$1,553	\$4,698
	Chemistry		\$9,110	\$9,575	\$18,685	
	Materials Science		\$0	\$0	\$0	
	Other Physical Sciences		\$0	\$0	\$0	
	Physics		\$11,086	\$7,639	\$18,725	
	Geosciences, Atmospheric Sciences, and Ocean Sciences	Atmospheric Science and Meteorology	\$547	\$167	\$714	
		Geological and Earth Sciences	\$5,294	\$3,249	\$8,543	
		Ocean Sciences and Marine Sciences	\$4,212	\$11,191	\$15,403	
		Other Geosciences, Atmospheric Sciences, and Ocean Sciences	\$0	\$28	\$28	
	Mathematics and Statistics	Mathematics and Statistics	\$1,822	\$2,463	\$4,285	
	Computer and Information Sciences	Computer and Information Sciences	\$19,543	\$14,215	\$33,758	
	Life Sciences	Agricultural	\$5,935	\$5,471	\$11,406	
		Biological and Biomedical Sciences	\$80,829	\$36,393	\$117,222	
		Health Sciences	\$88,942	\$45,887	\$134,829	
		Natural Resources and Conservation	\$4,208	\$4,304	\$8,512	
		Other Life Sciences	\$60,063	\$29,238	\$89,301	
	Psychology	Psychology	\$7,099	\$4,953	\$12,052	
	Social Sciences	Anthropology	\$653	\$1,081	\$1,734	
		Economics	\$505	\$2,901	\$3,406	
		Other Social Sciences	\$963	\$3,652	\$4,615	
		Political Science and Government	\$454	\$3,928	\$4,382	
		Sociology, Demography, and Population Studies	\$2,359	\$3,229	\$5,588	
	Other Sciences	Other Sciences	\$1,812	\$4,249	\$6,061	
	NON-SCI & ENG FIELDS	Non-S&E Fields	Business Management and Business Administration	\$185	\$6,998	\$7,183
			Communication and Communications Technologies	\$0	\$587	\$587
			Education	\$21,731	\$18,162	\$39,893
			Humanities	\$232	\$4,348	\$4,580
			Law	\$84	\$25	\$109
			Other Non-Science and Engin.	\$232	\$2,491	\$2,723
			Social Work	\$32	\$295	\$327
			Visual and Performing Arts	\$63	\$1,074	\$1,137

UMass President's Office - Institutional Research

FY 2018 R&D Expenditures

Source: Campus NSF surveys. All dollars are in thousands.

Amherst - FY 2018 Total Expenditures by Field (Federal and Non-Federal)

Field Category	Field Group	Field	Federal	Non Federal	Grand Total	
Grand Total			\$110,654	\$100,486	\$211,140	
SCI & ENG FIELDS	Engineering	Aerospace, Aeronautical, and Astronautical Engineering	\$0	\$0	\$0	
		Bioengineering and Biomedical Engineering	\$0	\$65	\$65	
		Chemical Engineering	\$10,274	\$7,873	\$18,147	
		Civil Engineering	\$5,299	\$9,759	\$15,058	
		Electrical, Electronic, and Communications Engineering	\$7,478	\$4,403	\$11,881	
		Industrial and Manufacturing Engineering	\$0	\$0	\$0	
		Mechanical Engineering	\$4,146	\$3,375	\$7,521	
		Metallurgical and Materials Engineering	\$0	\$0	\$0	
		Other Engineering	\$371	\$1,176	\$1,547	
		Physical Sciences	Astronomy and Astrophysics	\$3,145	\$1,553	\$4,698
	Chemistry		\$7,795	\$4,694	\$12,489	
	Materials Science		\$0	\$0	\$0	
	Other Physical Sciences		\$0	\$0	\$0	
	Physics		\$3,763	\$3,493	\$7,256	
	Geosciences, Atmospheric Sciences, and Ocean Sciences	Atmospheric Science and Meteorology	\$0	\$0	\$0	
		Geological and Earth Sciences	\$2,936	\$2,279	\$5,215	
		Ocean Sciences and Marine Sciences	\$0	\$0	\$0	
		Other Geosciences, Atmospheric Sciences, and Ocean Sciences	\$0	\$0	\$0	
	Mathematics and Statistics	Mathematics and Statistics	\$1,548	\$881	\$2,429	
	Computer and Information Sciences	Computer and Information Sciences	\$15,650	\$9,456	\$25,106	
	Life Sciences	Agricultural	\$5,935	\$5,471	\$11,406	
		Biological and Biomedical Sciences	\$13,759	\$9,138	\$22,897	
		Health Sciences	\$10,708	\$9,159	\$19,867	
		Natural Resources and Conservation	\$4,206	\$3,811	\$8,017	
		Other Life Sciences	\$33	\$3,832	\$3,865	
	Psychology	Psychology	\$4,034	\$3,323	\$7,357	
	Social Sciences	Anthropology	\$115	\$804	\$919	
		Economics	\$401	\$1,800	\$2,201	
		Other Social Sciences	\$217	\$831	\$1,048	
		Political Science and Government	\$124	\$193	\$317	
		Sociology, Demography, and Population Studies	\$271	\$429	\$700	
	Other Sciences	Other Sciences	\$1,347	\$2,142	\$3,489	
	NON-SCI & ENG FIELDS	Non-S&E Fields	Business Management and Business Administration	\$185	\$1,844	\$2,029
			Communication and Communications Technologies	\$0	\$582	\$582
			Education	\$6,513	\$4,886	\$11,399
			Humanities	\$32	\$2,030	\$2,062
Law			\$84	\$21	\$105	
Other Non-Science and Engin.			\$221	\$765	\$986	
Social Work			\$1	\$0	\$1	
Visual and Performing Arts			\$63	\$418	\$481	

UMass President's Office - Institutional Research

FY 2018 R&D Expenditures

Source: Campus NSF surveys. All dollars are in thousands.

Boston - FY 2018 Total Expenditures by Field (Federal and Non-Federal)

Field Category	Field Group	Field	Federal	Non Federal	Grand Total
Grand Total			\$30,412	\$31,061	\$61,473
SCI & ENG FIELDS	Engineering	Aerospace, Aeronautical, and Astronautical Engineering	\$0	\$0	\$0
		Bioengineering and Biomedical Engineering	\$0	\$0	\$0
		Chemical Engineering	\$0	\$0	\$0
		Civil Engineering	\$0	\$0	\$0
		Electrical, Electronic, and Communications Engineering	\$609	\$611	\$1,220
		Industrial and Manufacturing Engineering	\$0	\$0	\$0
		Mechanical Engineering	\$0	\$0	\$0
		Metallurgical and Materials Engineering	\$0	\$0	\$0
		Other Engineering	\$0	\$0	\$0
		Physical Sciences	Astronomy and Astrophysics	\$0	\$0
	Chemistry		\$735	\$517	\$1,252
	Materials Science		\$0	\$0	\$0
	Other Physical Sciences		\$0	\$0	\$0
	Physics		\$502	\$519	\$1,021
	Geosciences, Atmospheric Sciences, and Ocean Sciences	Atmospheric Science and Meteorology	\$0	\$0	\$0
		Geological and Earth Sciences	\$1,934	\$170	\$2,104
		Ocean Sciences and Marine Sciences	\$1,819	\$2,500	\$4,319
		Other Geosciences, Atmospheric Sciences, and Ocean Sciences	\$0	\$28	\$28
	Mathematics and Statistics	Mathematics and Statistics	\$38	\$45	\$83
	Computer and Information Sciences	Computer and Information Sciences	\$1,167	\$759	\$1,926
	Life Sciences	Agricultural	\$0	\$0	\$0
		Biological and Biomedical Sciences	\$2,908	\$1,088	\$3,996
		Health Sciences	\$1,679	\$2,716	\$4,395
		Natural Resources and Conservation	\$2	\$260	\$262
		Other Life Sciences	\$0	\$69	\$69
	Psychology	Psychology	\$2,200	\$732	\$2,932
	Social Sciences	Anthropology	\$538	\$274	\$812
		Economics	\$99	\$80	\$179
		Other Social Sciences	\$221	\$1,262	\$1,483
		Political Science and Government	\$330	\$3,406	\$3,736
		Sociology, Demography, and Population Studies	\$1,606	\$1,659	\$3,265
	Other Sciences	Other Sciences	\$465	\$318	\$783
	NON-SCI & ENG FIELDS	Non-S&E Fields	Business Management and Business Administration	\$0	\$2,489
Communication and Communications Technologies			\$0	\$5	\$5
Education			\$13,492	\$10,931	\$24,423
Humanities			\$26	\$161	\$187
Law			\$0	\$0	\$0
Other Non-Science and Engin.			\$11	\$274	\$285
Social Work			\$31	\$161	\$192
Visual and Performing Arts			\$0	\$27	\$27

UMass President's Office - Institutional Research

FY 2018 R&D Expenditures

Source: Campus NSF surveys. All dollars are in thousands.

Dartmouth - FY 2018 Total Expenditures by Field (Federal and Non-Federal)

Field Category	Field Group	Field	Federal	Non Federal	Grand Total
Grand Total			\$7,156	\$19,470	\$26,626
SCI & ENG FIELDS	Engineering	Aerospace, Aeronautical, and Astronautical Engineering	\$0	\$0	\$0
		Bioengineering and Biomedical Engineering	\$97	\$712	\$809
		Chemical Engineering	\$0	\$0	\$0
		Civil Engineering	\$526	\$2,327	\$2,853
		Electrical, Electronic, and Communications Engineering	\$1,106	\$820	\$1,926
		Industrial and Manufacturing Engineering	\$0	\$0	\$0
		Mechanical Engineering	\$1,022	\$698	\$1,720
		Metallurgical and Materials Engineering	\$0	\$0	\$0
		Other Engineering	\$0	\$96	\$96
		Physical Sciences	Astronomy and Astrophysics	\$0	\$0
	Chemistry		\$158	\$838	\$996
	Materials Science		\$0	\$0	\$0
	Other Physical Sciences		\$0	\$0	\$0
	Physics		\$39	\$173	\$212
	Geosciences, Atmospheric Sciences, and Ocean Sciences	Atmospheric Science and Meteorology	\$0	\$0	\$0
		Geological and Earth Sciences	\$0	\$0	\$0
		Ocean Sciences and Marine Sciences	\$2,393	\$8,691	\$11,084
		Other Geosciences, Atmospheric Sciences, and Ocean Sciences	\$0	\$0	\$0
	Mathematics and Statistics	Mathematics and Statistics	\$236	\$565	\$801
	Computer and Information Sciences	Computer and Information Sciences	\$115	\$858	\$973
	Life Sciences	Agricultural	\$0	\$0	\$0
		Biological and Biomedical Sciences	\$903	\$1,278	\$2,181
		Health Sciences	\$0	\$123	\$123
		Natural Resources and Conservation	\$0	\$0	\$0
		Other Life Sciences	\$0	\$0	\$0
	Psychology	Psychology	\$0	\$188	\$188
	Social Sciences	Anthropology	\$0	\$3	\$3
		Economics	\$0	\$8	\$8
		Other Social Sciences	\$0	\$554	\$554
		Political Science and Government	\$0	\$9	\$9
		Sociology, Demography, and Population Studies	\$0	\$0	\$0
		Other Sciences	\$0	\$0	\$0
	NON-SCI & ENG FIELDS	Non-S&E Fields	Business Management and Business Administration	\$0	\$172
Communication and Communications Technologies			\$0	\$0	\$0
Education			\$561	\$408	\$969
Humanities			\$0	\$694	\$694
Law			\$0	\$0	\$0
Other Non-Science and Engin.			\$0	\$162	\$162
Social Work			\$0	\$0	\$0
Visual and Performing Arts			\$0	\$93	\$93

Lowell - FY 2018 Total Expenditures by Field (Federal and Non-Federal)

Field Category	Field Group	Field	Federal	Non Federal	Grand Total
Grand Total			\$30,086	\$42,180	\$72,266
SCI & ENG FIELDS	Engineering	Aerospace, Aeronautical, and Astronautical Engineering	\$0	\$0	\$0
		Bioengineering and Biomedical Engineering	\$3,246	\$994	\$4,240
		Chemical Engineering	\$2,733	\$5,414	\$8,147
		Civil Engineering	\$155	\$894	\$1,049
		Electrical, Electronic, and Communications Engineering	\$3,354	\$4,139	\$7,493
		Industrial and Manufacturing Engineering	\$0	\$0	\$0
		Mechanical Engineering	\$2,042	\$4,249	\$6,291
		Metallurgical and Materials Engineering	\$0	\$0	\$0
		Other Engineering	\$298	\$158	\$456
		Physical Sciences	Astronomy and Astrophysics	\$0	\$0
	Chemistry		\$422	\$3,526	\$3,948
	Materials Science		\$0	\$0	\$0
	Other Physical Sciences		\$0	\$0	\$0
	Physics		\$6,782	\$3,454	\$10,236
	Geosciences, Atmospheric Sciences, and Ocean Sciences	Atmospheric Science and Meteorology	\$547	\$167	\$714
		Geological and Earth Sciences	\$424	\$800	\$1,224
		Ocean Sciences and Marine Sciences	\$0	\$0	\$0
		Other Geosciences, Atmospheric Sciences, and Ocean Sciences	\$0	\$0	\$0
	Mathematics and Statistics	Mathematics and Statistics	\$0	\$972	\$972
	Computer and Information Sciences	Computer and Information Sciences	\$2,611	\$3,135	\$5,746
	Life Sciences	Agricultural	\$0	\$0	\$0
		Biological and Biomedical Sciences	\$2,862	\$1,671	\$4,533
		Health Sciences	\$1,783	\$1,768	\$3,551
		Natural Resources and Conservation	\$0	\$233	\$233
		Other Life Sciences	\$0	\$1,283	\$1,283
	Psychology	Psychology	\$865	\$710	\$1,575
	Social Sciences	Anthropology	\$0	\$0	\$0
		Economics	\$0	\$212	\$212
		Other Social Sciences	\$466	\$862	\$1,328
		Political Science and Government	\$0	\$320	\$320
		Sociology, Demography, and Population Studies	\$392	\$557	\$949
	Other Sciences	Other Sciences	\$0	\$560	\$560
	NON-SCI & ENG FIELDS	Non-S&E Fields	Business Management and Business Administration	\$0	\$2,493
Communication and Communications Technologies			\$0	\$0	\$0
Education			\$930	\$704	\$1,634
Humanities			\$174	\$1,463	\$1,637
Law			\$0	\$4	\$4
Other Non-Science and Engin.			\$0	\$902	\$902
Social Work			\$0	\$0	\$0
Visual and Performing Arts			\$0	\$536	\$536

UMass President's Office - Institutional Research

FY 2018 R&D Expenditures

Source: Campus NSF surveys. All dollars are in thousands.

Medical School - FY 2018 Total Expenditures by Field (Federal and Non-Federal)

Field Category	Field Group	Field	Federal	Non Federal	Grand Total
Grand Total			\$194,953	\$79,258	\$274,211
SCI & ENG FIELDS	Engineering	Aerospace, Aeronautical, and Astronautical Engineering	\$0	\$0	\$0
		Bioengineering and Biomedical Engineering	\$0	\$0	\$0
		Chemical Engineering	\$0	\$0	\$0
		Civil Engineering	\$0	\$0	\$0
		Electrical, Electronic, and Communications Engineering	\$0	\$0	\$0
		Industrial and Manufacturing Engineering	\$0	\$0	\$0
		Mechanical Engineering	\$0	\$0	\$0
		Metallurgical and Materials Engineering	\$0	\$0	\$0
		Other Engineering	\$0	\$0	\$0
		Physical Sciences	Astronomy and Astrophysics	\$0	\$0
	Chemistry		\$0	\$0	\$0
	Materials Science		\$0	\$0	\$0
	Other Physical Sciences		\$0	\$0	\$0
	Physics		\$0	\$0	\$0
	Geosciences, Atmospheric Sciences, and Ocean Sciences	Atmospheric Science and Meteorology	\$0	\$0	\$0
		Geological and Earth Sciences	\$0	\$0	\$0
		Ocean Sciences and Marine Sciences	\$0	\$0	\$0
		Other Geosciences, Atmospheric Sciences, and Ocean Sciences	\$0	\$0	\$0
	Mathematics and Statistics	Mathematics and Statistics	\$0	\$0	\$0
	Computer and Information Sciences	Computer and Information Sciences	\$0	\$0	\$0
	Life Sciences	Agricultural	\$0	\$0	\$0
		Biological and Biomedical Sciences	\$60,397	\$23,218	\$83,615
		Health Sciences	\$74,526	\$31,986	\$106,512
		Natural Resources and Conservation	\$0	\$0	\$0
		Other Life Sciences	\$60,030	\$24,054	\$84,084
	Psychology	Psychology	\$0	\$0	\$0
	Social Sciences	Anthropology	\$0	\$0	\$0
		Economics	\$0	\$0	\$0
		Other Social Sciences	\$0	\$0	\$0
		Political Science and Government	\$0	\$0	\$0
		Sociology, Demography, and Population Studies	\$0	\$0	\$0
	Other Sciences	Other Sciences	\$0	\$0	\$0
	NON-SCI & ENG FIELDS	Non-S&E Fields	Business Management and Business Administration	\$0	\$0
Communication and Communications Technologies			\$0	\$0	\$0
Education			\$0	\$0	\$0
Humanities			\$0	\$0	\$0
Law			\$0	\$0	\$0
Other Non-Science and Engin.			\$0	\$0	\$0
Social Work			\$0	\$0	\$0
Visual and Performing Arts			\$0	\$0	\$0

UMass President's Office - Institutional Research

FY 2018 R&D Expenditures

Source: Campus NSF surveys. All dollars are in thousands.

Presidents Office - FY 2018 Total Expenditures by Field (Federal and Non-Federal)					
Field Category	Field Group	Field	Federal	Non Federal	Grand Total
Grand Total			\$643	\$4,655	\$5,298
SCI & ENG FIELDS	Engineering	Aerospace, Aeronautical, and Astronautical Engineering	\$0	\$0	\$0
		Bioengineering and Biomedical Engineering	\$0	\$0	\$0
		Chemical Engineering	\$0	\$0	\$0
		Civil Engineering	\$0	\$0	\$0
		Electrical, Electronic, and Communications Engineering	\$0	\$0	\$0
		Industrial and Manufacturing Engineering	\$0	\$0	\$0
		Mechanical Engineering	\$0	\$0	\$0
		Metallurgical and Materials Engineering	\$0	\$0	\$0
		Other Engineering	\$8	\$1	\$9
		Physical Sciences	Astronomy and Astrophysics	\$0	\$0
	Chemistry		\$0	\$0	\$0
	Materials Science		\$0	\$0	\$0
	Other Physical Sciences		\$0	\$0	\$0
	Physics		\$0	\$0	\$0
	Geosciences, Atmospheric Sciences, and Ocean Sciences	Atmospheric Science and Meteorology	\$0	\$0	\$0
		Geological and Earth Sciences	\$0	\$0	\$0
		Ocean Sciences and Marine Sciences	\$0	\$0	\$0
		Other Geosciences, Atmospheric Sciences, and Ocean Sciences	\$0	\$0	\$0
	Mathematics and Statistics	Mathematics and Statistics	\$0	\$0	\$0
	Computer and Information Sciences	Computer and Information Sciences	\$0	\$7	\$7
	Life Sciences	Agricultural	\$0	\$0	\$0
		Biological and Biomedical Sciences	\$0	\$0	\$0
		Health Sciences	\$246	\$135	\$381
		Natural Resources and Conservation	\$0	\$0	\$0
		Other Life Sciences	\$0	\$0	\$0
	Psychology	Psychology	\$0	\$0	\$0
	Social Sciences	Anthropology	\$0	\$0	\$0
		Economics	\$5	\$801	\$806
		Other Social Sciences	\$59	\$143	\$202
		Political Science and Government	\$0	\$0	\$0
		Sociology, Demography, and Population Studies	\$90	\$584	\$674
	Other Sciences	Other Sciences	\$0	\$1,229	\$1,229
	NON-SCI & ENG FIELDS	Non-S&E Fields	Business Management and Business Administration	\$0	\$0
Communication and Communications Technologies			\$0	\$0	\$0
Education			\$235	\$1,233	\$1,468
Humanities			\$0	\$0	\$0
Law			\$0	\$0	\$0
Other Non-Science and Engin.			\$0	\$388	\$388
Social Work			\$0	\$134	\$134
Visual and Performing Arts			\$0	\$0	\$0

UMass President's Office - Institutional Research

FY 2018 R&D Expenditures

Source: Campus NSF surveys. All dollars are in thousands.

FY2014 - FY 2018 R&D Expenditures in Dollars (000s) by Source - Details

Source	Campus Name	Fiscal Year					
		2013	2014	2015	2016	2017	2018
Federal	Amherst	\$111,448	\$110,189	\$103,417	\$106,269	\$108,871	\$110,654
	Boston	\$24,924	\$27,715	\$28,653	\$30,608	\$29,934	\$30,412
	Dartmouth	\$8,860	\$8,549	\$7,321	\$6,548	\$7,370	\$7,156
	Lowell	\$27,360	\$28,654	\$31,059	\$27,694	\$29,471	\$30,086
	Medical School	\$189,159	\$183,582	\$183,588	\$181,446	\$200,232	\$194,953
	Presidents Office	\$2,126	\$3,468	\$1,445	\$1,124	\$721	\$643
	UMASS System	\$363,877	\$362,157	\$355,483	\$353,689	\$376,599	\$373,904
State & Local	Amherst	\$3,041	\$12,122	\$26,172	\$25,021	\$21,257	\$9,620
	Boston	\$5,693	\$4,992	\$4,394	\$5,388	\$6,990	\$2,075
	Dartmouth	\$1,462	\$1,742	\$1,327	\$1,864	\$1,976	\$1,751
	Lowell	\$3,288	\$2,165	\$3,215	\$2,300	\$2,583	\$4,523
	Medical School	\$804	\$564	\$4,615	\$1,646	\$160	\$82
	Presidents Office	\$556	\$1,333	\$2,071	\$2,870	\$2,688	\$3,309
	UMASS System	\$14,844	\$22,918	\$41,794	\$39,089	\$35,654	\$21,360
Industry-Sponsored	Amherst	\$13,064	\$12,345	\$12,671	\$15,921	\$13,365	\$17,536
	Boston	\$3,316	\$3,588	\$4,490	\$4,907	\$4,820	\$4,643
	Dartmouth	\$633	\$454	\$566	\$1,036	\$1,418	\$1,351
	Lowell	\$5,418	\$5,490	\$6,202	\$6,097	\$6,295	\$4,639
	Medical School	\$23,743	\$23,274	\$27,061	\$31,272	\$34,528	\$30,847
	Presidents Office	\$437	\$368	\$1,035	\$656	\$614	\$1,021
	UMASS System	\$46,611	\$45,519	\$52,025	\$59,889	\$61,040	\$60,037
Institutional	Amherst	\$62,045	\$64,187	\$69,756	\$65,358	\$65,698	\$72,017
	Boston	\$25,830	\$24,580	\$24,456	\$22,886	\$27,949	\$23,998
	Dartmouth	\$16,280	\$17,432	\$17,478	\$17,189	\$15,104	\$16,119
	Lowell	\$26,208	\$27,209	\$28,958	\$31,572	\$31,014	\$31,612
	Medical School	\$31,516	\$31,750	\$32,641	\$35,713	\$42,064	\$44,237
	Presidents Office	\$441	\$680	\$483	\$544	\$367	\$318
	UMASS System	\$162,320	\$165,838	\$173,772	\$173,262	\$182,196	\$188,301
Other	Amherst	\$1,141	\$1,356	\$1,886	\$2,007	\$1,225	\$1,313
	Boston	\$617	\$311	\$381	\$434	\$326	\$345
	Dartmouth	\$91	\$42	\$84	\$187	\$234	\$249
	Lowell	\$862	\$1,073	\$950	\$831	\$314	\$1,406
	Medical School	\$701	\$2,699	\$2,433	\$3,022	\$2,900	\$4,092
	Presidents Office	\$57	\$26	\$22	\$25	\$4	\$7
	UMASS System	\$3,469	\$5,507	\$5,756	\$6,506	\$5,003	\$7,412
Grand Total	\$591,121	\$601,939	\$628,830	\$632,435	\$660,492	\$651,014	

UMass President's Office - Institutional Research

FY 2018 R&D Expenditures

Source: Campus NSF surveys. All dollars are in thousands.