UMass Research & Expenditures Report

FY 2019

Office of the President, Institutional Research

Table of Contents

UKEY HIGHLIGHTS	
□ KEY HIGHLIGHTS	1-2
□FY 2015 – FY 2019	
□ UMASS SYSTEM	3
□ UMASS AMHERST	4
 □ UMASS BOSTON □ UMASS DARTMOUTH 	5 6
□ UMASS LOWELL	7
☐ UMASS MEDICAL SCHOOL	8
□ UMASS PRESIDENT'S OFFICE	9
□TOTAL R&D EXPENDITURES BY FIELD FY 2019	
□ 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 2019	17

Key Highlights



UMass Total R&D Expenditures FY 2019 ▲ 5%
1-Year Change in UMass Total R&D Expenditures

(vs. FY 2018)

\$631M UMass STEM R&D Expenditures FY 2019

1-Year Change in UMass STEM R&D Expenditures (vs. FY 2018)

▲14%

5-Year Change in UMass Total R&D Expenditures (vs. FY 2014)



Percent of all R&D Expenditures from Life Sciences FY 2019



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

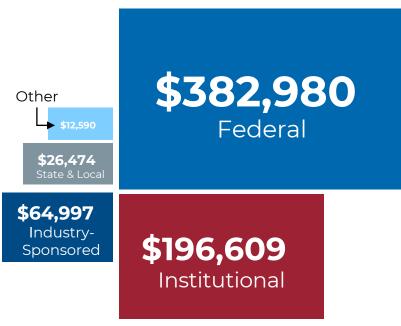


Percent of Total MA R&D Expenditures from Harvard, MIT, & UMass FY 2018

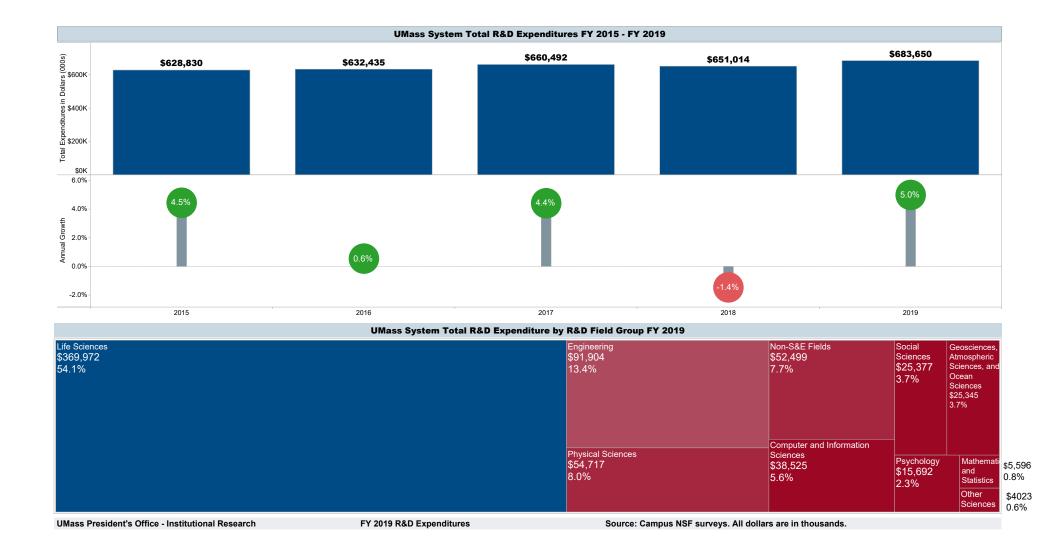
^{*} R&D expenditures data for state FY 2019 is currently not available.

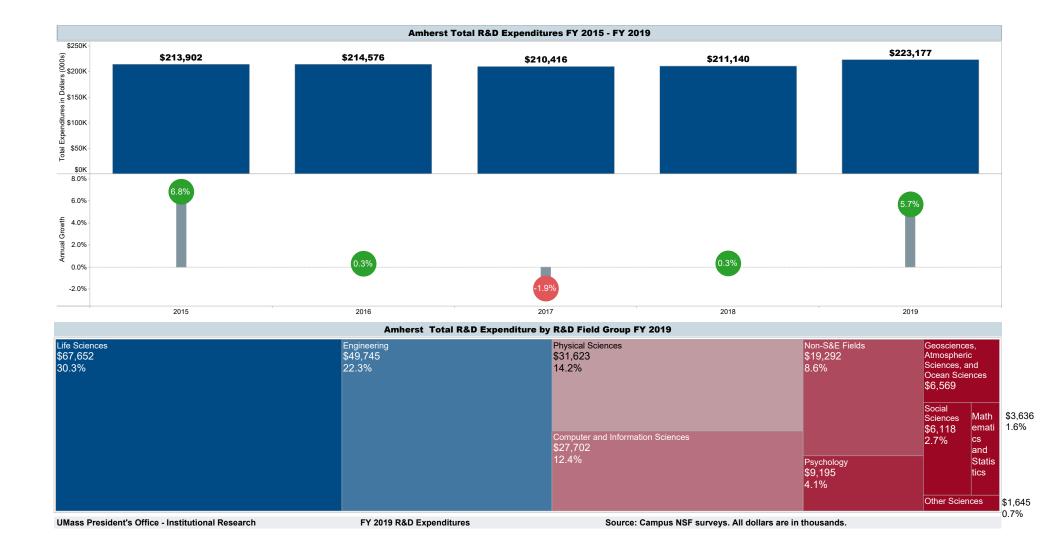
Key Highlights

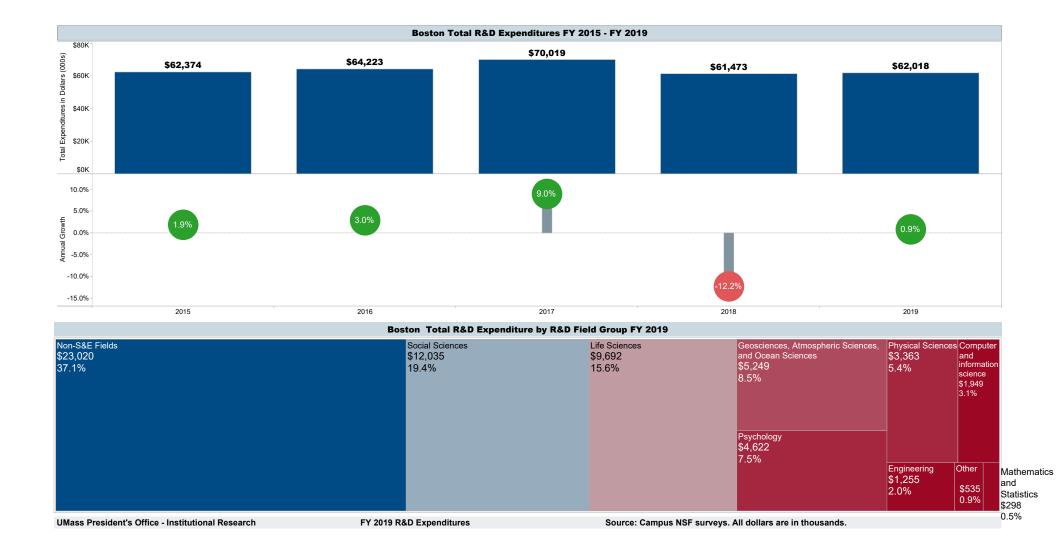
UMASS SOURCE OF FUNDING FY2019 (IN THOUSANDS)

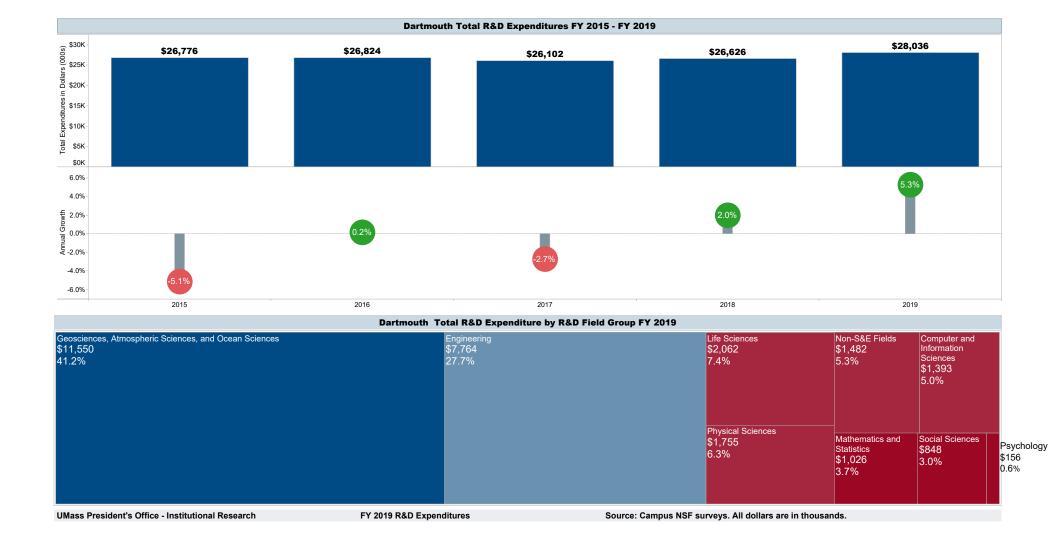


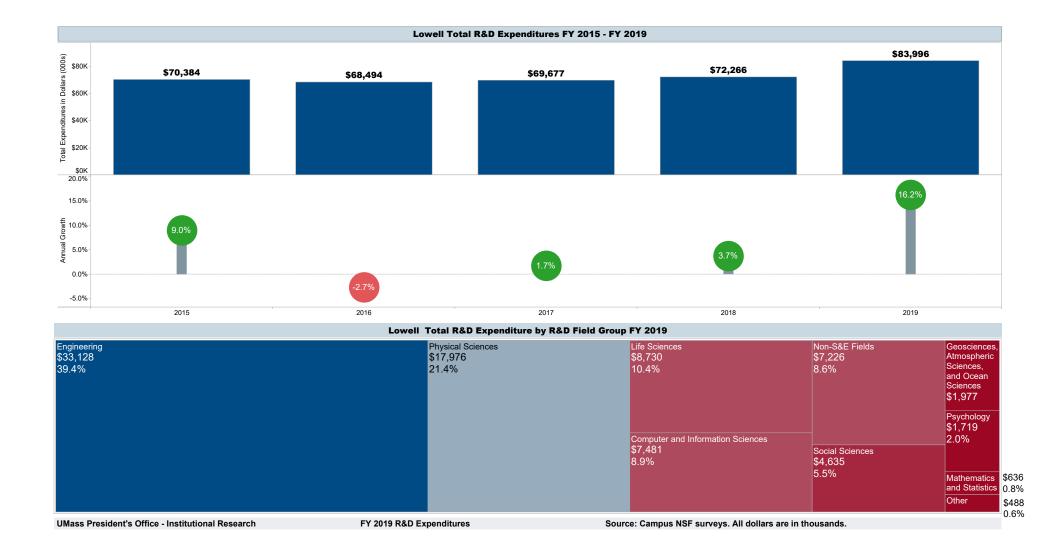
SOURCE	1-YEAR % CHANGE (vs. FY 2018)	5-YEAR % CHANGE (vs. FY 2014)
Federal	▲2 %	▲6 %
State & Local	▲24 %	▲16 %
Industry Sponsore	d ▲8 %	▲43 %
Institutional	▲4 %	▲19%
Other	▲70 %	▲129 %

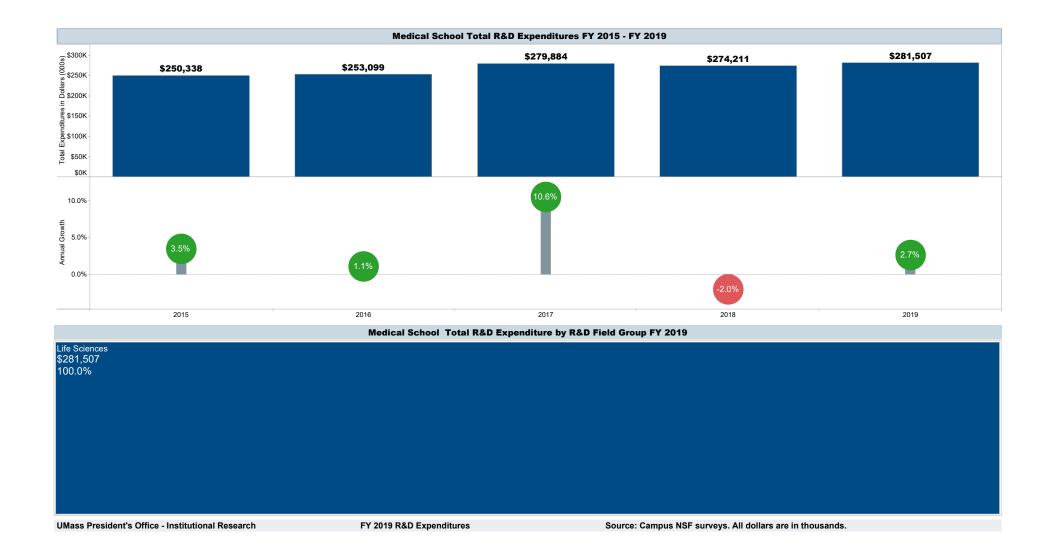


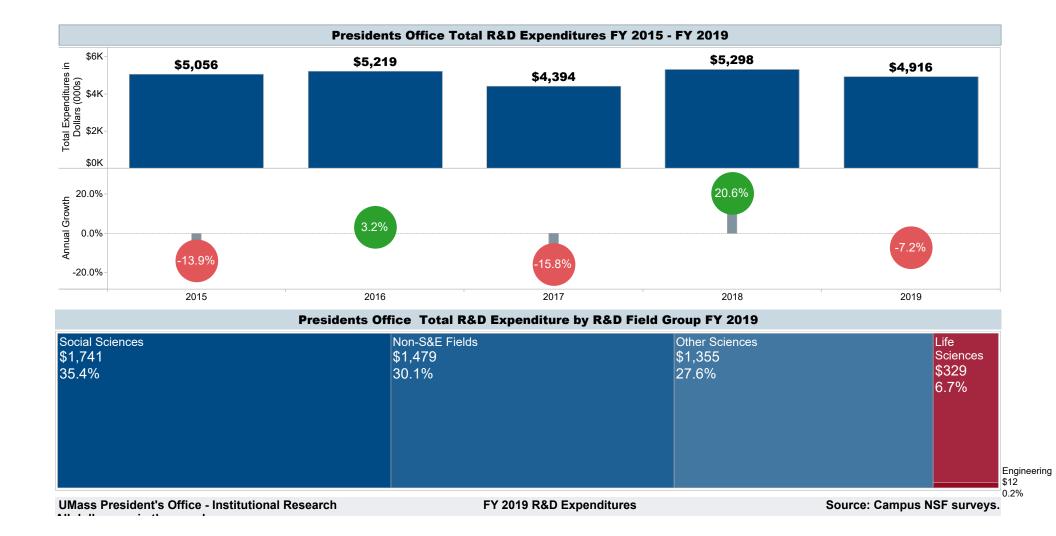












ield Category	Field Group	Field	Federal	Non Federal	Grand Total
Grand Total			\$382,980	\$300,670	\$683,650
SCI & ENG FIELDS	Engineering	Aerospace, Aeronautical, and Astronautical Engineering	\$0	\$0	\$0
		Bioengineering and Biomedical Engineering	\$3,621	\$3,552	\$7,173
		Chemical Engineering	\$14,372	\$10,412	\$24,784
		Civil Engineering	\$5,847	\$12,838	\$18,685
		Electrical, Electronic, and Communications Engineering	\$10,574	\$10,279	\$20,853
		Industrial and Manufacturing Engineering	\$0	\$0	\$0
		Mechanical Engineering	\$7,590	\$9,045	\$16,635
		Metallurgical and Materials Engineering	\$0	\$0	\$0
		Other Engineering	\$1,575	\$2,199	\$3,774
	Physical Sciences	Astronomy and Astrophysics	\$3,265	\$1,503	\$4,768
	J	Chemistry	\$10,245	\$16,609	\$26,854
		Materials Science	\$0	\$0	\$0
		Other Physical Sciences	\$0	\$0	\$0
		Physics	\$13,063	\$10,032	\$23,095
	Geosciences, Atmospheric Sciences, and	Atmospheric Science and Meteorology	\$752	\$186	\$938
	Ocean Sciences	Geological and Earth Sciences	\$5,681	\$3,353	\$9,034
		Ocean Sciences and Marine Sciences	\$3,676	\$11,687	\$15,363
		Other Geosciences, Atmospheric Sciences, and Ocean Sciences	\$0	\$10	\$10
	Mathematics and Statistics	Mathematics and Statistics	\$3,115	\$2,481	\$5,596
	Computer and Information Sciences	Computer and Information Sciences	\$21,105	\$17,420	\$38,525
	Life Sciences	Agricultural	\$5,090	\$5,221	\$10,311
		Biological and Biomedical Sciences	\$120,599	\$51,326	\$171,925
		Health Sciences	\$77,142	\$42,643	\$119,785
		Natural Resources and Conservation	\$4,251	\$5,227	\$9,478
		Other Life Sciences	\$36,418	\$22,055	\$58,473
	Psychology	Psychology	\$9,138	\$6,554	\$15,692
	Social Sciences	Anthropology	\$760	\$1,036	\$1,796
	OUCIAI OCIGIICES	Economics	\$220	\$2,910	\$3,130
		Other Social Sciences	\$1,836	\$4,439	\$6,275
		Political Science and Government	\$566	\$5,008	\$5,574
		Sociology, Demography, and Population Studies	\$3,808	\$4,794	\$8,602
	Other Sciences	Other Sciences	\$497	\$3,526	\$4,023
ION-SCI & ENG	Non-S&E Fields	Business Management and Business Administration	\$204	\$5,262	\$5,466
IELDS	HOII-OGE FIEIUS	Communication and Communications Technologies	\$0	\$694	\$694
		Education	\$15,187	\$18,083	\$33,270
		Humanities	\$426	\$4,674	\$5,100
		Law	\$76	\$15	\$91
		Other Non-Science and Engin.	\$1,736	\$3,456	\$5,192
		Social Work	\$1,730	\$345	\$485
		Visual and Performing Arts	\$405	\$1,796	\$2,201

Field Category	Field Group	Field	Federal	Non Federal	Grand Total
Grand Total			\$117,359	\$105,818	\$223,177
SCI & ENG FIELDS	Engineering	Aerospace, Aeronautical, and Astronautical Engineering	\$0	\$0	\$0
	3 - 3	Bioengineering and Biomedical Engineering	\$277	\$721	\$998
		Chemical Engineering	\$10,932	\$3,560	\$14,492
		Civil Engineering	\$4,636	\$9,069	\$13,705
		Electrical, Electronic, and Communications Engineering	\$6,373	\$4,825	\$11,198
		Industrial and Manufacturing Engineering	\$0	\$0	\$0
		Mechanical Engineering	\$4,202	\$4,254	\$8,456
		Metallurgical and Materials Engineering	\$0	\$0	\$0
		Other Engineering	\$476	\$420	\$896
	Physical Sciences	Astronomy and Astrophysics	\$3,265	\$1,503	\$4,768
	_	Chemistry	\$8,431	\$11,021	\$19,452
		Materials Science	\$0	\$0	\$0
		Other Physical Sciences	\$0	\$0	\$0
		Physics	\$4,709	\$2,694	\$7,403
	Geosciences, Atmospheric Sciences, and	Atmospheric Science and Meteorology	\$0	\$0	\$0
	Ocean Sciences	Geological and Earth Sciences	\$4,021	\$2,543	\$6,564
		Ocean Sciences and Marine Sciences	\$0	\$5	\$5
		Other Geosciences, Atmospheric Sciences, and Ocean Sciences	\$0	\$0	\$0
	Mathematics and Statistics	Mathematics and Statistics	\$2,244	\$1,392	\$3,636
	Computer and Information Sciences	Computer and Information Sciences	\$16,035	\$11,667	\$27,702
	Life Sciences	Agricultural	\$5,090	\$5,221	\$10,311
		Biological and Biomedical Sciences	\$14,835	\$9,843	\$24,678
		Health Sciences	\$12,576	\$7,364	\$19,940
		Natural Resources and Conservation	\$4,245	\$3,968	\$8,213
		Other Life Sciences	\$29	\$4,481	\$4,510
	Psychology	Psychology	\$5,672	\$3,523	\$9,195
	Social Sciences	Anthropology	\$334	\$729	\$1,063
		Economics	\$76	\$1,744	\$1,820
		Other Social Sciences	\$483	\$652	\$1,135
		Political Science and Government	\$194	\$643	\$837
		Sociology, Demography, and Population Studies	\$476	\$787	\$1,263
	Other Sciences	Other Sciences	\$452	\$1,193	\$1,645
N-SCI & ENG	Non-S&E Fields	Business Management and Business Administration	\$180	\$1,204	\$1,384
ELDS		Communication and Communications Technologies	\$0	\$657	\$657
		Education	\$4,937	\$4,166	\$9,103
		Humanities	\$42	\$1,977	\$2,019
		Law	\$76	\$15	\$91
		Other Non-Science and Engin.	\$1,656	\$2,899	\$4,555
		Social Work	\$0	\$0	\$0
		Visual and Performing Arts	\$405	\$1,078	\$1,483

UMass President's Office - Institutional Research

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

FY 2019 R&D Expenditures

ield Category	Field Group	Field	Federal	Non Federal	Grand Total
rand Total			\$25,083	\$36,935	\$62,018
CI & 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	\$533	\$494	\$1,027
		Industrial and Manufacturing Engineering	\$0	\$0	\$0
		Mechanical Engineering	\$0	\$0	\$0
		Metallurgical and Materials Engineering	\$0	\$0	\$0
		Other Engineering	\$0	\$228	\$228
	Physical Sciences	Astronomy and Astrophysics	\$0	\$0	\$0
	- injurious conomicos	Chemistry	\$1,193	\$790	\$1,983
		Materials Science	\$0	\$0	\$0
		Other Physical Sciences	\$0	\$0	\$0
		Physics	\$552	\$828	\$1,380
	Geosciences, Atmospheric Sciences, and	Atmospheric Science and Meteorology	\$0	\$0	\$0
	Ocean Sciences	Geological and Earth Sciences	\$1,194	\$237	\$1,431
		Ocean Sciences and Marine Sciences	\$1,379	\$2,429	\$3,808
		Other Geosciences, Atmospheric Sciences, and Ocean Sciences	\$0	\$10	\$10
	Mathematics and Statistics	Mathematics and Statistics	\$40	\$258	\$298
	Computer and Information Sciences	Computer and Information Sciences	\$781	\$1,168	\$1,949
	Life Sciences	Agricultural	\$0	\$0	\$0
		Biological and Biomedical Sciences	\$3,211	\$1,907	\$5,118
		Health Sciences	\$1,403	\$2,363	\$3,766
		Natural Resources and Conservation	\$6	\$802	\$808
		Other Life Sciences	\$0	\$0	\$0
	Psychology	Psychology	\$2,604	\$2,018	\$4,622
	Social Sciences	Anthropology	\$426	\$287	\$713
		Economics	\$144	\$147	\$291
		Other Social Sciences	\$293	\$2,023	\$2,316
		Political Science and Government	\$372	\$3,963	\$4,335
		Sociology, Demography, and Population Studies	\$1,941	\$2,439	\$4,380
	Other Sciences	Other Sciences	\$45	\$490	\$535
ON-SCI & ENG	Non-S&E Fields	Business Management and Business Administration	\$0	\$1,390	\$1,390
ELDS		Communication and Communications Technologies	\$0	\$8	\$8
-		Education	\$8,706	\$11,372	\$20,078
		Humanities	\$120	\$711	\$831
		Law	\$0	\$0	\$0
		Other Non-Science and Engin.	\$0	\$192	\$192
		Social Work	\$140	\$321	\$461
		Visual and Performing Arts	\$0	\$60	\$60

ield Category	Field Group	Field	Federal	Non Federal	Grand Total
Frand Total			\$7,353	\$20,683	\$28,036
CI & ENG FIELDS	Engineering	Aerospace, Aeronautical, and Astronautical Engineering	\$0	\$0	\$0
		Bioengineering and Biomedical Engineering	\$624	\$850	\$1,474
		Chemical Engineering	\$0	\$0	\$0
		Civil Engineering	\$798	\$1,864	\$2,662
		Electrical, Electronic, and Communications Engineering	\$692	\$1,222	\$1,914
		Industrial and Manufacturing Engineering	\$0	\$0	\$0
		Mechanical Engineering	\$582	\$948	\$1,530
		Metallurgical and Materials Engineering	\$0	\$0	\$0
		Other Engineering	\$0	\$184	\$184
	Physical Sciences	Astronomy and Astrophysics	\$0	\$0	\$0
	-	Chemistry	\$152	\$1,162	\$1,314
		Materials Science	\$0	\$0	\$0
		Other Physical Sciences	\$0	\$0	\$0
		Physics	\$64	\$377	\$441
	Geosciences, Atmospheric Sciences, and	Atmospheric Science and Meteorology	\$0	\$0	\$0
	Ocean Sciences	Geological and Earth Sciences	\$0	\$0	\$0
		Ocean Sciences and Marine Sciences	\$2,297	\$9,253	\$11,550
		Other Geosciences, Atmospheric Sciences, and Ocean Sciences	\$0	\$0	\$0
	Mathematics and Statistics	Mathematics and Statistics	\$831	\$195	\$1,026
	Computer and Information Sciences	Computer and Information Sciences	\$181	\$1,212	\$1,393
	Life Sciences	Agricultural	\$0	\$0	\$0
		Biological and Biomedical Sciences	\$621	\$1,335	\$1,956
		Health Sciences	\$0	\$106	\$106
		Natural Resources and Conservation	\$0	\$0	\$0
		Other Life Sciences	\$0	\$0	\$0
	Psychology	Psychology	\$0	\$156	\$156
	Social Sciences	Anthropology	\$0	\$20	\$20
		Economics	\$0	\$53	\$53
		Other Social Sciences	\$0	\$613	\$613
		Political Science and Government	\$0	\$31	\$31
		Sociology, Demography, and Population Studies	\$115	\$16	\$131
	Other Sciences	Other Sciences	\$0	\$0	\$0
ON-SCI & ENG	Non-S&E Fields	Business Management and Business Administration	\$0	\$295	\$295
LDS		Communication and Communications Technologies	\$0	\$29	\$29
		Education	\$396	\$192	\$588
		Humanities	\$0	\$511	\$511
		Law	\$0	\$0	\$0
		Other Non-Science and Engin.	\$0	\$0	\$0
		Social Work	\$0	\$0	\$0
		Visual and Performing Arts	\$0	\$59	\$59

UMass President's Office - Institutional Research

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

FY 2019 R&D Expenditures

		Lowell - FY 2019 Total Expenditures by Field (Fe		•	
Field Category	Field Group	Field	Federal	Non Federal	Grand Total
Grand Total			\$35,309	\$48,687	\$83,996
SCI & ENG FIELDS	Engineering	Aerospace, Aeronautical, and Astronautical Engineering	\$0	\$0	\$0
		Bioengineering and Biomedical Engineering	\$2,720	\$1,981	\$4,701
		Chemical Engineering	\$3,440	\$6,852	\$10,292
		Civil Engineering	\$413	\$1,905	\$2,318
		Electrical, Electronic, and Communications Engineering	\$2,976	\$3,738	\$6,714
		Industrial and Manufacturing Engineering	\$0	\$0	\$0
		Mechanical Engineering	\$2,806	\$3,843	\$6,649
		Metallurgical and Materials Engineering	\$0	\$0	\$0
		Other Engineering	\$1,088	\$1,366	\$2,454
	Physical Sciences	Astronomy and Astrophysics	\$0	\$0	\$0
	_	Chemistry	\$469	\$3,636	\$4,105
		Materials Science	\$0	\$0	\$0
		Other Physical Sciences	\$0	\$0	\$0
		Physics	\$7,738	\$6,133	\$13,871
	Geosciences, Atmospheric Sciences, and	Atmospheric Science and Meteorology	\$752	\$186	\$938
	Ocean Sciences	Geological and Earth Sciences	\$466	\$573	\$1,039
		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	\$636	\$636
	Computer and Information Sciences	Computer and Information Sciences	\$4,108	\$3,373	\$7,481
	Life Sciences	Agricultural	\$0	\$0	\$0
		Biological and Biomedical Sciences	\$2,953	\$2,378	\$5,331
		Health Sciences	\$945	\$1,997	\$2,942
		Natural Resources and Conservation	\$0	\$457	\$457
		Other Life Sciences	\$0	\$0	\$0
	Psychology	Psychology	\$862	\$857	\$1,719
		Anthropology	\$0	\$0	\$0
	Social Sciences	Economics	\$0	\$220	\$220
		Other Social Sciences	\$990	\$1,101	\$2,091
		Political Science and Government	\$990	\$371	\$371
		Sociology, Demography, and Population Studies	\$1,222	\$731	\$1,953
	04h C-i			\$488	\$488
AN AAI A ENG	Other Sciences	Other Sciences	\$0 \$24	\$488	\$488
ON-SCI & ENG	Non-S&E Fields	Business Management and Business Administration	\$24		
ELDS		Communication and Communications Technologies	* *	\$0	\$0
		Education	\$993	\$1,091	\$2,084
		Humanities	\$264	\$1,475	\$1,739
		Law	\$0	\$0	\$0
		Other Non-Science and Engin.	\$80	\$327	\$407
		Social Work	\$0	\$0	\$0
		Visual and Performing Arts	\$0	\$599	\$599

ield Category	Field Group	Field	Federal	Non Federal	Grand Total
Grand Total			\$197,388	\$84,119	\$281,507
CI & ENG FIELDS	Engineering	Aerospace, Aeronautical, and Astronautical Engineering	\$0	\$0	\$0
	gg	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	\$0
	• • • • • • • • • • • • • • • • • • • •	Chemistry	\$0	\$0	\$0
		Materials Science	\$0	\$0	\$0
		Other Physical Sciences	\$0	\$0	\$0
		Physics	\$0	\$0	\$0
	Geosciences, Atmospheric Sciences, and	Atmospheric Science and Meteorology	\$0	\$0	\$0
	Ocean Sciences	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	\$98,979	\$35,863	\$134,842
		Health Sciences	\$62,020	\$30,682	\$92,702
		Natural Resources and Conservation	\$0	\$0	\$0
		Other Life Sciences	\$36,389	\$17,574	\$53,963
	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
ON-SCI & ENG	Non-S&E Fields	Business Management and Business Administration	\$0	\$0	\$0
ELDS		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

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

FY 2019 R&D Expenditures

				L	
ield Category	Field Group	Field	Federal	Non Federal	Grand Total
rand Total			\$488	\$4,428	\$4,916
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	\$11	\$1	\$12
	Physical Sciences	Astronomy and Astrophysics	\$0	\$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	\$0	\$0	\$0
		Health Sciences	\$198	\$131	\$329
		Natural Resources and Conservation	\$0	\$0	\$0
		Other Life Sciences	\$0	\$0	\$0
	B I I		\$0	\$0	\$0
	Psychology	Psychology			
	Social Sciences	Anthropology	\$0	\$0	\$0
		Economics	\$0	\$746	\$746
		Other Social Sciences	\$70	\$50	\$120
		Political Science and Government	\$0	\$0	\$0
		Sociology, Demography, and Population Studies	\$54	\$821	\$875
	Other Sciences	Other Sciences	\$0	\$1,355	\$1,355
ON-SCI & ENG	Non-S&E Fields	Business Management and Business Administration	\$0	\$0	\$0
IELDS		Communication and Communications Technologies	\$0	\$0	\$0
		Education	\$155	\$1,262	\$1,417
		Humanities	\$0	\$0	\$0
		Law	\$0	\$0	\$0
		Other Non-Science and Engin.	\$0	\$38	\$38
		Social Work	\$0	\$24	\$24
		Visual and Performing Arts	\$0	\$0	\$0

			FY 2015 - FY 2019 R&D Exper	iluitures ili Dollars (000s	• •		
					Fiscal Year		
Source	Campus Name	2014	2015	2016	2017	2018	2019
ederal	Amherst	\$110,189	\$103,417	\$106,269	\$108,871	\$110,654	\$117,359
	Boston	\$27,715	\$28,653	\$30,608	\$29,934	\$30,412	\$25,083
	Dartmouth	\$8,549	\$7,321	\$6,548	\$7,370	\$7,156	\$7,353
	Lowell	\$28,654	\$31,059	\$27,694	\$29,471	\$30,086	\$35,309
	Medical School	\$183,582	\$183,588	\$181,446	\$200,232	\$194,953	\$197,388
	Presidents Office	\$3,468	\$1,445	\$1,124	\$721	\$643	\$488
	UMASS System	\$362,157	\$355,483	\$353,689	\$376,599	\$373,904	\$382,980
tate & Local	Amherst	\$12,122	\$26,172	\$25,021	\$21,257	\$9,620	\$12,409
	Boston	\$4,992	\$4,394	\$5,388	\$6,990	\$2,075	\$2,369
	Dartmouth	\$1,742	\$1,327	\$1,864	\$1,976	\$1,751	\$1,603
	Lowell	\$2,165	\$3,215	\$2,300	\$2,583	\$4,523	\$6,390
	Medical School	\$564	\$4,615	\$1.646	\$160	\$82	\$477
	Presidents Office	\$1,333	\$2,071	\$2.870	\$2,688	\$3,309	\$3.226
		\$22,918	\$41,794	\$39,089	\$35,654	\$21,360	\$26,474
	UMASS System	\$64,187	\$69,756	\$65,358	\$65,698	\$72,017	\$70,889
Institutional	Amherst						
	Boston	\$24,580	\$24,456	\$22,886 \$47,480	\$27,949 \$15,404	\$23,998	\$28,163
	Dartmouth	\$17,432	\$17,478	\$17,189	\$15,104	\$16,119	\$17,421
	Lowell	\$27,209	\$28,958	\$31,572	\$31,014	\$31,612	\$36,658
	Medical School	\$31,750	\$32,641	\$35,713	\$42,064	\$44,237	\$43,238
	Presidents Office	\$680	\$483	\$544	\$367	\$318	\$240
	UMASS System	\$165,838	\$173,772	\$173,262	\$182,196	\$188,301	\$196,609
ther	Amherst	\$1,356	\$1,886	\$2,007	\$1,225	\$1,313	\$3,508
	Boston	\$311	\$381	\$434	\$326	\$345	\$620
	Dartmouth	\$42	\$84	\$187	\$234	\$249	\$232
	Lowell	\$1,073	\$950	\$831	\$314	\$1,406	\$1,084
	Medical School	\$2,699	\$2,433	\$3,022	\$2,900	\$4,092	\$7,085
	Presidents Office	\$26	\$22	\$25	\$4	\$7	\$61
	UMASS System	\$5,507	\$5,756	\$6,506	\$5,003	\$7,412	\$12,590
ndustry-Sponsored :	Amherst	\$6,533	\$7,393	\$8,336	\$8,016	\$9,381	\$10,026
• •	Boston	\$721	\$1,499	\$1,291	\$1,279	\$1,413	\$1,675
usiness	Dartmouth	\$180	\$365	\$831	\$557	\$909	\$1,140
	Lowell	\$3,921	\$4,634	\$4,775	\$4,841	\$3,588	\$3,460
	Medical School	\$6,925	\$9,452	\$11,483	\$14,324	\$12,585	\$16,386
		\$8	\$221	\$180	\$39	\$266	\$323
	Presidents Office						
	UMASS System	\$18,288	\$23,564	\$26,896	\$29,056	\$28,142	\$33,010
ndustry-Sponsored :	Amherst	\$5,812	\$5,278	\$7,585	\$5,349	\$8,155	\$8,986
onprofit organizations	Boston	\$2,867	\$2,991	\$3,616	\$3,541	\$3,230	\$4,108
_	Dartmouth	\$274	\$201	\$205	\$861	\$442	\$287
	Lowell	\$1,569	\$1,568	\$1,322	\$1,454	\$1,051	\$1,095
	Medical School	\$16,349	\$17,609	\$19,789	\$20,204	\$18,262	\$16,933
	Presidents Office	\$360	\$814	\$476	\$575	\$755	\$578
	LIMACC C4	\$27,231	\$28,461	\$32,993	\$31,984	\$31,895	\$31,987
	UMASS System	Ψ21,231	Ψ 2 0, τ 0 .	402,000	40 i j 00 -i	40.,000	ΨΟ 1,007