

TABLE 79

Federally financed higher education R&D expenditures in science and engineering fields, ranked by FY 2019 R&D expenditures: FYs 2010–19

(Dollars in thousands)

Institution	Rank	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
All institutions	-	36,510,431	39,648,595	38,939,996	38,264,334	36,824,209	36,775,563	37,664,906	39,016,591	40,596,010	43,219,032
Johns Hopkins U. ^a	1	1,731,818	1,875,410	1,845,845	1,881,959	1,936,953	1,988,993	2,100,097	2,173,734	2,246,705	2,479,371
U. Washington, Seattle	2	809,433	921,399	876,941	869,623	849,713	851,573	893,050	912,856	955,518	958,103
U. Michigan, Ann Arbor	3	729,779	801,194	773,766	802,114	733,779	728,712	780,080	822,436	841,158	879,954
Columbia U. in the City of New York	4	561,531	634,973	631,961	619,557	591,523	577,833	585,578	632,994	673,792	724,232
Stanford U.	5	576,553	633,287	607,578	625,144	608,342	645,633	668,578	684,928	685,871	713,688
Georgia Institute of Technology	6	370,532	426,088	482,349	520,754	510,422	548,063	567,100	578,107	646,317	708,682
Duke U.	7	513,469	584,161	585,636	580,416	556,847	558,566	574,738	622,174	644,179	708,544
U. Pennsylvania	8	626,816	689,571	656,425	623,939	606,115	597,791	638,336	653,405	671,796	702,747
U. North Carolina, Chapel Hill	9	541,910	592,541	597,629	614,627	601,933	577,574	624,131	657,879	681,581	701,623
U. California, San Diego	10	578,889	635,223	653,549	630,009	597,270	601,184	602,336	639,643	634,676	698,138
U. Maryland ^b	11	na	na	na	na	na	na	na	na	na	678,126
U. Pittsburgh, Pittsburgh	12	581,148	647,060	620,070	601,358	565,409	554,658	575,281	612,754	643,129	671,380
U. California, San Francisco	13	514,693	570,116	559,329	566,117	544,697	535,457	602,705	606,768	669,470	671,047
Harvard U.	14	467,237	530,908	574,346	575,868	554,944	530,382	549,539	565,269	578,722	611,123
U. Wisconsin-Madison	15	522,473	568,389	557,688	533,220	522,251	506,910	548,247	552,983	555,666	594,094
Pennsylvania State U., University Park and Hershey Medical Center	16	463,301	459,333	526,212	556,185	516,300	507,889	532,669	528,181	557,323	591,201
U. California, Los Angeles	17	522,423	545,882	527,899	489,820	458,157	482,771	479,718	479,799	557,986	587,740
Yale U.	18	475,010	518,195	517,072	502,439	475,585	471,381	494,504	531,995	549,026	573,491
Washington U., Saint Louis	19	466,993	460,282	432,434	402,702	410,115	424,723	436,229	468,637	496,648	531,885
U. Southern California	20	402,372	443,458	433,136	423,708	421,887	408,105	396,197	436,515	488,081	530,971
Cornell U.	21	446,705	476,163	471,024	444,303	438,834	445,266	427,940	435,355	464,468	522,035
Northwestern U.	22	356,193	393,449	385,377	389,757	385,888	385,868	424,638	438,732	464,689	497,740
Massachusetts Institute of Technology	23	451,050	482,544	478,955	487,647	480,991	486,650	501,702	484,597	476,576	485,821
U. Minnesota, Twin Cities	24	420,102	482,639	480,531	489,318	483,542	468,482	462,570	448,814	455,294	483,898
Vanderbilt U. and Vanderbilt U. Medical Center	25	377,185	434,213	430,445	432,752	408,743	390,701	395,505	442,669	456,599	470,774
Ohio State U.	26	384,633	471,331	416,304	425,547	416,177	406,941	418,887	427,154	439,594	465,081
Icahn School of Medicine at Mount Sinai	27	302,770	296,835	271,722	277,517	300,667	329,641	342,104	367,522	398,656	443,745
Emory U.	28	336,948	369,945	360,934	364,136	329,254	346,534	360,197	381,151	392,971	423,515
New York U.	29	250,006	289,172	300,271	283,382	314,712	326,691	332,483	369,947	395,445	416,137
U. Colorado Boulder	30	282,008	313,531	319,019	309,072	302,877	341,828	360,827	359,462	376,870	397,709
U. Alabama, Birmingham	31	320,704	340,342	303,677	286,873	276,112	325,008	346,190	356,303	370,401	395,910

TABLE 79

Federally financed higher education R&D expenditures in science and engineering fields, ranked by FY 2019 R&D expenditures: FYs 2010–19

(Dollars in thousands)

Institution	Rank	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
U. Texas, Austin	32	331,439	334,240	328,560	352,788	313,955	331,388	340,181	377,389	386,954	387,551
U. California, Davis	33	329,041	359,704	356,540	344,632	327,697	322,919	334,534	337,995	354,823	370,601
U. Illinois, Urbana-Champaign	34	294,236	312,796	348,536	459,791	336,172	330,479	320,703	344,657	339,732	369,006
U. Florida	35	269,765	296,950	295,745	285,778	279,920	281,317	297,267	314,187	340,725	369,001
Case Western Reserve U.	36	333,438	352,938	358,722	347,628	328,548	307,960	320,402	325,354	346,935	355,970
U. Colorado Denver and Anschutz Medical Campus	37	275,573	299,230	308,023	290,443	277,209	266,147	289,757	305,473	326,254	347,899
Texas A&M U., College Station and Health Science Center	38	276,977	281,063	259,506	302,356	298,489	291,714	281,015	294,602	316,771	342,390
U. California, Berkeley	39	303,201	326,120	333,179	305,932	309,305	342,042	338,562	326,548	324,521	341,328
U. Chicago	40	348,537	365,824	329,119	294,862	276,237	290,776	293,557	302,361	297,824	327,837
U. Arizona	41	307,038	324,751	328,369	334,680	286,595	265,878	259,443	269,201	287,852	323,060
Michigan State U.	42	198,735	222,937	250,416	246,131	247,970	256,228	294,369	329,533	315,674	317,653
Boston U.	43	298,467	300,923	273,204	265,476	254,285	256,562	250,523	253,828	264,281	313,670
Baylor C. of Medicine	44	284,072	295,529	268,753	285,230	264,641	256,895	267,849	292,806	300,098	309,354
U. Rochester	45	321,258	337,312	307,390	298,781	265,686	261,023	265,430	267,040	283,973	305,325
Indiana U., Bloomington	46	67,483	69,298	72,501	82,005	80,109	206,263	216,917	241,350	245,402	304,116
Oregon Health and Science U.	47	247,054	268,777	242,219	244,867	246,050	243,876	230,608	243,495	264,492	298,227
Uniformed Services U. of the Health Sciences	48	72,125	117,781	102,134	119,647	213,389	299,007	175,007	204,241	218,702	297,808
Rutgers, State U. New Jersey, New Brunswick	49	218,910	235,178	273,498	288,374	355,116	320,311	318,123	316,118	330,823	287,031
U. Utah	50	226,489	263,623	271,629	297,099	284,125	270,311	224,270	218,405	302,586	282,157
California Institute of Technology	51	325,751	340,131	322,295	272,223	276,447	269,156	260,489	272,323	268,765	278,846
Colorado State U., Fort Collins	52	205,890	230,661	245,573	213,355	206,958	213,685	227,624	232,405	257,355	276,173
Scripps Research Institute	53	313,746	317,201	309,471	308,628	292,268	274,097	242,489	250,090	267,088	267,122
U. Virginia, Charlottesville	54	224,607	239,249	225,558	212,051	192,907	186,676	198,760	215,193	231,161	257,013
Arizona State U.	55	164,890	178,153	182,188	190,066	186,126	186,890	200,280	214,845	244,795	253,530
U. Cincinnati	56	261,982	286,003	266,507	256,816	243,705	250,457	229,761	239,659	246,400	249,656
U. Iowa	57	280,089	280,989	265,780	252,161	234,122	223,730	236,363	236,679	243,216	248,639
Purdue U., West Lafayette	58	221,679	246,116	255,691	258,596	227,857	209,005	214,373	224,965	230,208	231,188
North Carolina State U.	59	137,124	152,790	171,464	174,440	177,722	196,058	197,261	213,544	214,440	224,471
Utah State U.	60	89,750	112,611	107,054	106,074	114,075	119,811	124,981	137,295	158,576	219,912
U. Miami	61	196,435	223,870	222,535	204,315	202,818	192,691	194,346	193,549	191,408	211,493
U. California, Irvine	62	189,343	204,134	204,062	196,256	180,431	170,622	170,674	178,789	192,182	207,234
Virginia Polytechnic Institute and State U.	63	161,636	187,269	181,371	197,462	198,092	191,080	190,975	181,379	195,140	206,208

TABLE 79

Federally financed higher education R&D expenditures in science and engineering fields, ranked by FY 2019 R&D expenditures: FYs 2010–19

(Dollars in thousands)

Institution	Rank	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
U. Texas Southwestern Medical Center	64	232,027	231,639	207,513	198,114	185,137	183,787	185,263	200,085	197,910	203,544
Albert Einstein C. of Medicine	65	na	na	na	na	na	na	188,521	188,259	196,457	202,513
U. Illinois, Chicago	66	229,131	245,323	243,622	219,473	201,646	192,930	175,302	188,730	189,322	200,926
Carnegie Mellon U.	67	179,136	200,878	209,307	215,560	198,247	187,259	190,620	189,974	181,958	197,927
U. Massachusetts, Medical School	68	178,293	208,244	202,149	189,159	183,582	183,588	181,446	200,232	194,953	197,388
Princeton U.	69	149,164	162,491	160,985	156,070	163,805	157,867	161,562	175,485	179,659	192,747
U. Kentucky	70	167,192	175,801	157,813	148,758	140,450	145,097	152,708	168,347	168,968	189,860
Woods Hole Oceanographic Institution	71	153,066	165,819	161,115	158,672	177,616	172,995	166,010	148,491	163,003	184,995
SUNY, U. Buffalo	72	164,477	176,923	186,747	200,212	185,144	174,146	180,095	184,313	183,124	178,458
U. Texas M. D. Anderson Cancer Center	73	206,664	236,400	196,753	182,971	158,986	161,171	155,044	166,552	173,206	176,156
Brown U.	74	120,749	123,649	127,665	120,977	125,005	127,886	131,751	141,864	161,384	175,849
U. Hawaii, Manoa	75	196,275	201,700	193,722	225,263	202,574	199,818	189,683	181,750	166,398	167,432
Wake Forest U.	76	159,084	173,004	172,779	156,506	153,069	148,084	140,651	147,746	154,031	165,439
U. South Florida, Tampa	77	219,634	220,931	218,772	207,441	205,155	196,215	210,823	234,871	163,013	164,662
Oregon State U.	78	135,081	146,069	155,667	148,174	143,815	150,625	156,437	157,708	166,354	162,781
U. Oklahoma, Norman and Health Science Center	79	100,065	112,146	124,131	119,762	108,356	122,918	128,260	126,510	142,470	159,640
U. New Mexico	80	147,003	161,950	159,302	155,684	151,082	151,619	153,100	159,583	167,315	156,865
U. Georgia	81	117,225	134,200	133,525	127,487	122,145	127,825	138,374	153,279	144,926	156,628
Dartmouth C. and Dartmouth Hitchcock Medical Center	82	117,909	131,518	147,218	154,917	145,080	145,807	138,641	136,977	139,692	153,969
U. Connecticut	83	128,700	141,252	150,402	146,400	139,594	135,349	143,955	141,977	139,022	153,496
Medical U. South Carolina	84	131,650	143,464	136,907	127,472	118,649	117,255	124,212	134,072	142,639	153,226
George Washington U.	85	120,844	115,463	111,068	119,441	139,148	135,667	138,735	144,567	153,412	152,562
U. Dayton	86	72,567	69,847	64,369	66,396	63,881	74,548	97,635	112,584	130,488	152,545
Temple U.	87	76,170	85,021	85,062	124,764	118,892	119,945	134,132	143,636	141,505	150,201
Iowa State U.	88	108,181	116,109	117,144	120,934	115,285	113,443	124,242	125,607	145,241	145,541
SUNY, Stony Brook U.	89	120,090	124,938	123,198	118,432	111,386	115,031	118,296	125,150	134,802	143,258
U. Kansas	90	137,458	143,300	147,052	147,557	131,186	128,374	117,549	126,109	130,036	141,679
Washington State U.	91	105,333	115,775	120,146	119,921	112,568	121,627	122,275	133,308	131,229	137,424
Tufts U.	92	115,159	120,864	120,042	112,495	115,046	120,181	124,363	138,004	128,404	136,088
U. Texas Health Science Center, Houston	93	150,324	156,790	146,424	144,235	136,145	125,890	121,098	124,461	128,232	132,647
Florida State U.	94	127,571	136,332	131,998	132,583	140,995	133,569	118,294	118,359	129,435	131,472

TABLE 79

Federally financed higher education R&D expenditures in science and engineering fields, ranked by FY 2019 R&D expenditures: FYs 2010–19

(Dollars in thousands)

Institution	Rank	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
U. Delaware	95	102,637	112,523	110,760	114,048	111,933	109,258	108,378	113,031	113,582	128,651
Virginia Commonwealth U.	96	125,713	134,431	124,836	119,293	119,507	123,665	124,962	127,341	122,771	125,393
Northeastern U.	97	56,727	65,757	75,733	82,587	77,401	78,379	78,668	90,190	109,443	122,663
U. Tennessee, Knoxville	98	83,491	99,712	103,147	104,558	106,778	101,608	106,930	115,320	116,028	121,549
Medical C. Wisconsin	99	121,750	133,929	125,325	116,765	111,241	109,542	108,529	108,276	111,273	119,036
U. Missouri, Columbia	100	113,362	113,072	110,446	108,305	102,784	102,852	105,125	106,804	108,254	116,381
U. California, Santa Barbara	101	127,696	132,490	134,984	131,392	119,816	114,596	114,884	113,173	110,065	115,569
Wayne State U.	102	131,418	133,925	125,965	118,217	112,608	108,221	109,460	106,865	107,791	114,349
U. Massachusetts, Amherst	103	97,131	106,315	106,470	103,233	102,682	97,206	97,576	101,992	103,555	110,063
U. Nebraska, Lincoln	104	97,538	106,575	105,440	98,534	93,190	94,763	93,532	99,956	102,078	108,207
U. Texas Medical Branch	105	128,840	128,098	109,867	108,287	101,761	98,050	100,464	104,458	104,356	107,806
Tulane U.	106	106,021	110,222	101,130	97,873	94,287	84,143	89,028	93,747	102,090	104,187
Mississippi State U.	107	105,224	97,987	96,132	73,834	70,615	79,181	86,570	87,435	88,365	103,546
U. Nebraska, Medical Center	108	80,784	86,295	84,196	80,750	76,195	71,918	76,221	84,814	93,463	102,604
U. Notre Dame	109	61,645	79,003	82,244	79,268	79,192	82,615	85,870	90,038	92,144	102,335
U. Texas Health Science Center, San Antonio	110	121,723	121,200	106,177	99,198	89,303	85,940	89,742	85,455	86,956	96,502
Georgetown U.	111	119,509	122,802	113,229	113,703	99,567	87,268	82,819	93,224	88,778	93,004
U. Alaska, Fairbanks	112	97,889	103,677	97,472	92,602	83,483	78,985	87,829	95,467	93,562	91,405
George Mason U.	113	59,591	61,016	57,504	57,154	53,775	54,113	50,687	52,432	64,315	91,377
SUNY, U. Albany	114	123,404	124,848	112,161	113,736	104,861	78,824	74,092	82,551	84,561	91,225
U. Central Florida	115	67,795	66,736	72,620	68,691	64,323	81,788	80,365	82,777	89,504	90,851
U. Vermont	116	98,588	101,465	87,843	85,028	79,727	83,733	83,124	78,383	86,936	90,378
Florida International U.	117	52,784	61,687	54,204	57,858	68,946	67,293	68,539	66,351	80,417	90,067
U. South Carolina, Columbia	118	119,890	100,045	93,237	87,562	87,844	84,723	88,231	89,565	80,948	88,052
New Jersey Institute of Technology	119	47,832	52,873	57,513	55,017	51,853	50,554	63,322	64,840	78,313	87,588
Louisiana State U., Baton Rouge	120	94,611	96,050	91,238	93,281	93,584	82,276	84,954	80,044	83,453	87,498
U. Alabama, Huntsville	121	71,461	70,197	75,715	83,396	73,913	66,564	68,882	68,259	74,315	84,689
U. New Hampshire	122	76,191	96,552	109,728	92,778	89,640	83,106	89,457	85,714	87,854	84,599
Rockefeller U.	123	88,705	97,710	84,616	80,384	81,820	81,949	80,667	86,763	87,231	84,566
U. Louisville	124	83,593	84,557	79,252	72,047	63,258	66,368	69,781	69,722	77,281	83,421
Rice U.	125	69,176	78,249	76,431	79,742	73,782	73,817	82,643	83,894	77,607	83,105
Drexel U.	126	75,339	81,424	85,584	74,047	75,557	67,226	65,193	69,326	80,074	81,957
Montana State U., Bozeman	127	84,735	78,431	78,409	66,451	66,770	62,827	61,490	66,449	67,705	80,955
U. California, Riverside	128	58,159	59,351	61,304	57,032	56,327	62,642	69,924	75,920	75,990	79,666
West Virginia U.	129	74,465	84,061	77,981	72,677	67,450	66,608	70,313	70,256	73,518	79,320

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Federally financed higher education R&D expenditures in science and engineering fields, ranked by FY 2019 R&D expenditures: FYs 2010–19

(Dollars in thousands)

Institution	Rank	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Kansas State U.	130	66,400	74,414	73,247	67,524	64,565	66,632	67,863	72,321	77,730	78,878
Thomas Jefferson U.	131	77,817	80,027	68,976	56,247	54,676	58,536	58,866	62,029	64,869	74,816
Cold Spring Harbor Laboratory	132	ne	51,529	43,874	41,002	41,845	49,063	50,478	54,260	67,139	73,854
U. California, Santa Cruz	133	81,598	95,015	91,409	88,600	89,206	91,249	93,651	65,133	62,218	73,635
U. Mississippi	134	69,031	72,456	72,855	62,816	63,070	58,797	63,372	61,232	62,721	72,731
Clemson U.	135	59,374	49,365	48,182	47,825	44,673	45,292	52,184	62,920	66,618	72,335
U. Rhode Island	136	60,963	77,668	78,194	70,900	61,836	61,085	58,438	59,623	61,135	69,913
Rush U.	137	51,304	57,978	57,512	57,063	53,501	52,193	50,332	51,532	64,178	68,941
U. Houston	138	50,148	57,090	54,657	57,569	55,574	54,516	58,085	57,263	62,134	66,848
U. Oregon	139	66,809	71,344	71,157	61,856	62,824	56,448	55,137	57,092	56,403	63,912
Auburn U., Auburn	140	53,648	59,061	55,118	56,809	49,739	47,939	54,258	54,693	57,718	63,660
U. Arkansas for Medical Sciences	141	72,217	75,924	69,883	64,856	55,556	50,603	48,999	51,298	57,523	63,498
U. Nevada, Reno	142	58,115	55,374	55,150	53,898	50,904	49,977	51,630	53,438	59,879	60,967
New Mexico State U.	143	98,050	90,283	90,338	86,546	80,247	78,253	61,494	59,087	53,417	57,183
Georgia State U.	144	23,732	21,980	27,251	28,216	29,470	36,843	40,897	54,842	55,241	54,882
U. Maryland, Baltimore County	145	58,597	61,110	44,669	44,257	46,993	47,591	50,645	52,008	52,934	54,740
U. Montana, Missoula	146	40,116	38,176	35,590	33,825	30,164	33,617	38,726	44,465	51,975	52,919
U. Wyoming	147	44,026	47,782	55,663	52,296	39,778	47,232	63,223	56,178	42,538	51,657
Cleveland State U.	148	24,894	42,292	46,205	50,002	44,139	41,721	49,659	52,317	54,987	50,982
U. Maine	149	48,270	59,644	39,428	33,903	50,338	35,033	34,125	37,189	45,206	49,832
Naval Postgraduate School	150	86,765	88,950	120,209	86,538	89,284	71,987	50,560	42,246	41,151	49,168
Colorado School of Mines	151	28,416	31,414	31,399	31,585	33,908	33,578	34,708	36,650	39,311	48,593
U. Idaho	152	45,082	52,812	53,765	52,430	49,423	49,591	50,083	48,879	47,475	48,462
U. Texas, Dallas	153	30,019	32,355	34,088	31,903	32,096	30,776	34,532	35,244	39,010	47,443
Rensselaer Polytechnic Institute	154	54,559	58,951	62,063	60,765	58,940	59,417	48,887	47,749	46,385	47,245
U. North Dakota	155	52,381	53,913	54,411	46,397	40,191	37,457	42,253	40,845	48,858	47,235
Augusta U.	156	na	na	na	47,913	47,771	50,585	50,294	48,921	48,800	47,031
U. Arkansas, Fayetteville	157	32,659	37,203	34,123	30,562	26,014	33,486	39,527	42,198	48,288	46,871
U. Southern Mississippi	158	36,729	40,764	34,487	28,324	25,956	24,710	23,952	26,104	30,331	45,687
U. Tennessee, Health Science Center	159	52,650	51,840	48,473	42,269	41,830	39,356	38,374	39,138	39,421	42,396
Wright State U.	160	24,785	27,422	25,519	26,496	27,523	26,814	30,093	35,514	43,359	41,362
Brandeis U.	161	43,282	47,793	44,061	43,963	45,800	46,764	47,708	44,819	37,371	40,333
U. Texas, El Paso	162	34,439	34,765	39,274	37,741	34,528	40,334	41,384	43,759	43,214	40,111
U. Texas, Arlington	163	29,671	28,190	30,473	28,588	24,079	26,858	24,853	30,588	34,063	39,198
Oklahoma State U., Stillwater	164	56,998	81,855	85,876	44,200	36,687	38,498	41,186	42,331	40,052	38,757
SUNY, Polytechnic Institute	165	na	na	na	na	21,208	14,641	21,380	41,247	41,753	38,222

TABLE 79

Federally financed higher education R&D expenditures in science and engineering fields, ranked by FY 2019 R&D expenditures: FYs 2010–19

(Dollars in thousands)

Institution	Rank	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
San Diego State U.	166	53,746	59,769	51,690	45,175	44,807	43,526	42,062	37,226	37,873	37,595
Northern Arizona U.	167	14,990	17,687	15,946	15,533	18,044	20,111	22,997	25,615	29,137	35,156
U.S. Air Force Academy	168	43,803	60,292	36,316	42,303	32,284	29,417	44,567	34,664	27,650	34,940
North Dakota State U.	169	51,198	52,543	45,326	37,128	35,308	35,037	34,792	34,134	34,485	34,693
U. Puerto Rico, Medical Sciences Campus	170	29,813	54,381	35,173	31,037	30,197	31,889	33,348	29,869	30,597	34,570
Michigan Technological U.	171	27,407	32,508	32,835	31,734	30,214	28,581	29,609	28,332	32,366	34,488
U. Massachusetts, Lowell	172	24,475	26,802	25,670	25,441	25,874	28,998	26,499	28,078	28,982	33,948
Saint Louis U.	173	33,655	38,206	35,841	31,230	29,396	27,343	26,323	27,005	27,694	33,941
U. Alabama, Tuscaloosa	174	25,945	32,387	32,515	27,963	25,477	28,029	27,019	24,344	27,660	33,233
San Jose State U.	175	21,576	23,207	21,830	24,574	28,475	31,250	30,021	30,063	31,592	33,072
U. Texas, San Antonio	176	27,036	28,011	29,168	28,066	22,518	23,108	24,493	28,650	28,943	32,986
CUNY, City C.	177	32,170	39,064	39,063	39,756	39,860	37,900	37,359	34,718	36,402	32,975
Syracuse U.	178	26,971	25,272	25,327	22,564	24,163	26,769	28,793	31,902	33,045	32,143
Florida A&M U.	179	26,311	30,771	27,951	28,446	25,313	26,700	28,021	27,899	29,861	32,117
Louisiana State U., Health Sciences Center, New Orleans	180	46,142	45,581	40,637	36,886	34,637	36,027	31,526	28,018	26,988	31,290
U. Louisiana, Lafayette	181	12,060	11,879	12,435	10,007	9,050	10,315	9,479	14,953	20,766	30,341
Texas Tech U.	182	32,680	32,881	27,698	25,153	26,161	25,458	24,586	23,426	24,503	29,857
South Dakota State U.	183	38,309	41,876	41,941	33,226	29,454	28,488	29,605	27,940	27,013	29,530
Howard U.	184	32,211	35,632	37,336	33,403	32,052	38,051	32,967	33,893	32,573	29,422
U. Tennessee, Knoxville, Institute of Agriculture	185	12,527	15,512	17,786	17,493	15,342	15,320	18,598	27,229	27,378	28,804
Illinois Institute of Technology	186	27,780	33,016	27,515	28,255	25,506	25,479	23,542	26,191	27,742	28,753
Boston C.	187	31,351	23,845	23,685	22,780	19,462	17,409	23,184	26,937	27,674	28,017
U. Toledo	188	36,984	42,680	38,563	37,539	31,648	26,428	24,860	22,371	25,056	27,802
Stevens Institute of Technology	189	26,366	31,269	25,794	23,004	22,130	25,054	28,090	26,438	25,521	27,703
Old Dominion U.	190	30,534	34,084	31,877	30,478	30,568	27,857	27,556	32,898	28,792	27,633
U. North Texas, Health Science Center	191	25,847	26,132	26,627	24,187	21,943	22,422	27,163	26,368	27,579	27,260
U. Nevada, Las Vegas	192	31,497	29,642	24,567	23,980	26,585	26,970	24,683	28,460	32,711	27,172
William & Mary	193	22,478	23,502	25,349	24,619	27,232	27,722	28,771	28,062	27,836	27,112
Mercer U.	194	18,778	17,904	19,963	19,411	19,666	21,563	21,120	19,772	18,999	27,035
SUNY, Downstate Medical Center	195	25,023	33,964	34,884	31,972	25,802	20,779	25,941	22,496	26,302	26,914
Wichita State U.	196	13,633	15,425	14,267	10,161	8,100	6,397	7,947	19,507	16,522	26,633
Portland State U.	197	25,853	29,660	30,090	27,899	26,147	23,389	25,310	23,645	23,437	26,301
Indiana U.-Purdue U., Indianapolis	198	147,375	154,966	165,374	151,962	142,589	18,090	19,507	19,630	22,071	25,672
U. North Carolina, Charlotte	199	15,444	14,358	16,997	18,257	16,637	17,028	18,733	19,436	21,366	24,917

TABLE 79

Federally financed higher education R&D expenditures in science and engineering fields, ranked by FY 2019 R&D expenditures: FYs 2010–19

(Dollars in thousands)

Institution	Rank	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Lehigh U.	200	22,084	20,485	20,419	20,878	20,677	20,680	19,512	22,640	23,649	24,282
SUNY, Binghamton U.	201	20,766	20,443	20,151	16,749	14,757	16,038	18,363	20,601	22,964	23,626
Loyola U., Chicago	202	27,953	27,588	27,786	32,008	29,989	27,380	24,916	22,861	21,131	22,919
U. Wisconsin-Milwaukee	203	23,641	28,336	26,424	23,872	23,726	24,222	22,519	21,673	24,348	22,909
New Mexico Institute of Mining and Technology	204	42,243	37,316	29,894	23,581	33,168	19,975	16,657	18,271	19,437	22,771
Morehouse School of Medicine	205	25,855	28,128	31,786	34,511	33,020	30,012	28,678	28,792	24,326	22,461
Boise State U.	206	14,237	18,423	19,446	15,181	15,183	17,562	16,112	18,754	23,157	22,354
Rochester Institute of Technology	207	19,493	18,546	17,435	16,186	16,765	17,479	22,545	23,913	22,692	22,195
Missouri U. of Science and Technology	208	28,239	27,961	23,731	25,551	21,474	17,306	18,811	19,534	21,793	22,190
Worcester Polytechnic Institute	209	12,705	14,773	12,161	16,275	18,310	25,743	24,854	18,559	18,084	22,144
SUNY, Upstate Medical U.	210	27,959	28,663	27,013	23,730	21,334	19,213	18,942	19,991	20,391	22,028
Brigham Young U., Provo	211	18,373	19,741	17,381	19,931	20,214	20,769	24,791	23,631	21,367	21,977
Air Force Institute of Technology	212	13,514	18,986	17,919	17,614	16,342	16,369	19,660	25,558	23,393	21,856
Catholic U. of America	213	15,837	19,651	17,350	17,154	17,061	19,548	19,451	19,364	20,423	21,408
CUNY, Hunter C.	214	17,543	21,191	22,078	21,465	18,825	19,018	19,597	18,179	20,053	21,188
Florida Atlantic U.	215	16,457	14,793	14,926	12,480	12,317	10,402	14,443	16,430	18,076	21,050
North Carolina Agricultural and Technical State U.	216	23,878	22,499	21,468	20,956	22,609	21,802	19,808	23,046	22,212	20,924
Eastern Virginia Medical School	217	29,291	25,319	24,694	28,728	28,532	28,637	21,459	21,209	21,356	19,408
U. South Alabama	218	14,343	16,259	13,294	13,361	13,478	15,025	17,131	15,856	14,572	19,383
Van Andel Research Institute	219	ne	ne	ne	ne	ne	8,138	11,970	13,108	14,285	18,259
U. Nebraska, central administration	220	ne	ne	ne	ne	ne	ne	ne	ne	12,561	17,360
U. Memphis	221	17,726	16,738	19,113	15,747	18,344	16,250	16,784	16,958	23,463	17,074
Loma Linda U.	222	27,175	30,899	23,447	24,991	19,044	21,082	16,118	15,192	15,790	16,909
Desert Research Institute	223	28,307	28,489	27,294	22,814	19,932	16,511	18,883	18,839	17,911	16,745
U. Maryland Center for Environmental Science	224	12,123	18,007	16,081	16,852	13,202	11,993	12,156	14,482	14,276	16,573
U. California, Merced	225	9,192	9,744	10,741	10,733	10,506	12,607	12,166	14,660	14,041	16,513
Meharry Medical C.	226	24,302	26,779	23,467	21,135	17,754	13,068	13,528	15,613	14,515	16,443
Jackson State U.	227	34,927	36,460	33,342	27,285	19,898	18,449	19,934	18,997	16,990	16,156
U. Massachusetts, Boston	228	17,787	15,040	17,649	13,471	14,544	15,464	17,326	16,308	16,852	16,117
U. North Texas, Denton	229	11,997	12,255	15,921	14,974	15,054	14,286	11,524	14,043	17,514	16,094
U. Puerto Rico, Mayaguez	230	12,505	18,269	19,536	13,830	13,638	15,313	14,403	13,585	14,092	15,653
East Carolina U.	231	15,587	17,636	16,946	17,789	16,992	14,926	13,057	11,386	11,654	15,544
California State U., Northridge	232	11,122	8,729	13,965	7,778	11,007	10,889	10,136	12,952	13,822	15,543

TABLE 79

Federally financed higher education R&D expenditures in science and engineering fields, ranked by FY 2019 R&D expenditures: FYs 2010–19

(Dollars in thousands)

Institution	Rank	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Southern Methodist U.	233	12,142	17,819	15,839	13,516	18,427	11,806	12,910	11,978	11,568	15,219
San Francisco State U.	234	15,407	17,337	17,075	18,638	16,753	14,336	12,277	13,782	13,346	15,149
Tuskegee U.	235	10,986	11,033	11,243	13,132	14,102	i 12,265	i 10,386	10,386	10,386	14,825
Ohio U.	236	18,209	21,938	20,340	20,134	16,425	17,140	14,421	16,017	13,512	14,453
U. Missouri, Kansas City	237	16,139	18,748	17,219	15,406	14,613	12,810	12,739	11,145	10,396	14,107
Rutgers, State U. New Jersey, Newark	238	12,243	17,503	19,296	12,420	11,014	11,118	12,662	15,171	15,129	14,063
American U.	239	6,263	6,549	5,254	5,613	7,426	8,444	8,280	7,601	11,237	13,762
U. Puerto Rico, Rio Piedras	240	21,130	24,336	24,867	17,190	17,489	18,177	15,870	11,137	9,826	13,670
U. Alaska, Anchorage	241	8,485	9,352	10,041	8,799	7,212	8,015	11,282	11,592	12,530	13,665
Texas State U.	242	6,815	5,971	6,770	11,088	9,696	11,318	9,786	10,739	12,298	13,503
California State U., Long Beach	243	12,096	11,570	i 11,044	i 10,517	7,689	6,047	10,960	12,991	13,704	13,380
U. Texas Rio Grande Valley	244	na	na	na	na	na	na	16,821	14,766	13,308	13,320
U. South Dakota	245	16,353	14,337	13,601	14,991	11,932	8,464	8,827	11,117	12,346	13,312
U. Denver	246	10,180	10,463	9,135	10,082	8,794	8,134	8,895	9,681	12,938	13,157
Texas A&M U.-Corpus Christi	247	7,647	7,225	5,387	5,990	7,085	9,155	7,078	9,057	11,694	13,131
Hampton U.	248	14,455	12,292	15,290	12,620	11,153	14,619	13,572	15,908	13,669	12,943
CUNY, Queens C.	249	13,496	15,491	14,829	14,689	15,809	13,532	13,966	11,780	11,882	12,862
U.S. Naval Academy	250	10,750	10,243	8,868	10,142	10,216	8,978	11,006	12,946	13,331	12,851
Southern Illinois U., Carbondale	251	22,209	23,696	22,055	18,398	16,288	14,895	14,574	13,421	12,733	12,625
Marquette U.	252	9,115	10,898	9,557	8,491	7,988	9,139	10,136	10,111	10,451	12,613
Kent State U.	253	13,311	13,334	13,425	10,009	9,350	9,594	8,733	9,204	10,265	12,576
North Carolina Central U.	254	6,870	9,043	10,573	7,750	9,320	10,293	9,691	10,627	10,728	12,235
Louisiana State U., Health Sciences Center, Shreveport	255	13,890	15,316	13,504	11,753	8,490	6,321	6,478	7,055	9,235	12,185
U. Hawaii, system office	256	ne	ne	ne	ne	ne	ne	ne	ne	12,328	12,052
Delaware State U.	257	9,967	11,901	11,053	11,802	12,464	12,075	14,613	13,909	12,039	11,936
Rowan U.	258	1,737	2,071	2,295	1,875	4,588	4,665	5,239	7,110	9,568	11,909
Morgan State U.	259	10,035	9,878	15,279	13,301	14,131	12,693	14,305	13,215	11,450	11,844
Albany Medical C.	260	15,758	13,884	11,845	10,278	9,716	9,481	10,714	11,040	10,243	11,827
U. Akron	261	11,943	12,833	16,605	19,600	20,187	14,510	25,362	16,124	12,280	11,627
U. North Carolina, Greensboro	262	10,857	12,155	10,943	10,520	10,589	11,106	12,279	10,845	10,441	11,527
Texas Tech U., Health Sciences Center	263	12,950	14,790	13,944	14,804	9,480	9,949	9,943	8,995	7,477	11,262
New York Medical C.	264	21,095	21,013	16,471	13,806	11,421	11,326	10,772	9,000	i 8,141	i 11,061
Charles R. Drew U. of Medicine and Science	265	20,430	20,679	19,733	17,144	19,412	12,992	12,089	14,461	10,198	10,427
Northeast Ohio Medical U.	266	4,009	4,081	3,816	5,244	6,582	7,607	9,181	10,043	9,743	10,107

TABLE 79

Federally financed higher education R&D expenditures in science and engineering fields, ranked by FY 2019 R&D expenditures: FYs 2010–19

(Dollars in thousands)

Institution	Rank	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Florida Institute of Technology	267	8,903	7,387	7,189	7,112	7,706	8,251	8,714	8,440	8,333	10,043
U. of the Virgin Islands	268	27,291	15,717 i	22,605	15,627	10,475 i	19,456	20,951	10,701	10,748	9,903
Marshall U.	269	18,218	21,433	13,154	13,468	12,684	11,080	9,077	9,036	8,519	9,579
California Polytechnic State U., San Luis Obispo	270	11,396	8,296	9,618	9,442	8,903	9,651	10,966	10,035	9,313	9,574
South Dakota School of Mines and Technology	271	25,172	28,051	14,338	7,853	7,029	9,286	10,370	10,639	10,240	9,283
Prairie View A&M U.	272	8,623	11,041	10,561	9,077	8,259	7,958	7,896	8,674	8,386	9,246
U. Guam	273	4,962	5,242	5,311	5,390	6,321	5,455	6,576	8,051	8,425	9,104
California State U., Los Angeles	274	7,027	8,296	6,739	6,948	4,788	3,794	3,452	6,499	8,530	9,088
Nova Southeastern U.	275	5,669	6,829	6,570	5,334	5,906	5,856	6,922	7,672	7,772	8,911
Embry-Riddle Aeronautical U.	276	8,241	9,257	12,126	9,906	12,614	9,940	13,957	10,501	12,584	8,890
Rosalind Franklin U. of Medicine and Science	277	8,350	9,317	10,084	11,202	9,754	9,368	8,478	8,828	9,249	8,865
Xavier U. Louisiana	278	5,669	6,673	7,177	5,856	7,077	7,735	10,487	10,901	9,971	8,526
Tennessee State U.	279	6,936	7,732	9,393	9,354	11,886	10,920	11,590	9,226	9,336	8,449
Clarkson U.	280	9,408	9,531	7,061	5,275	5,462	5,436	6,183	6,538	7,814	8,350
Ponce Health Sciences U.	281	7,569	9,318	10,486	6,249	4,960	6,729	6,951	7,108	6,386	8,339
Creighton U.	282	11,850	14,080	14,209 i	13,272 i	11,427 i	9,164 i	10,406 i	7,787 i	5,601 i	8,113 i
Central Michigan U.	283	2,301	4,315	4,965	5,325	5,982	5,108	4,883	5,550	7,121	8,100
Teachers C., Columbia U.	284	6,478	8,433	10,120	8,492	8,909	12,666	11,373	10,194	8,925	8,054
California State U., San Marcos	285	3,548	3,548 i	3,548 i	3,550	3,177	3,709	4,591	4,869	6,373	8,007
Alabama A&M U.	286	22,154	21,355 i	21,322 i	21,290 i	21,257 i	21,222 i	17,863 i	14,566 i	11,267 i	7,968 i
Norfolk State U.	287	5,413	6,345	7,739	5,465	6,381	4,918	6,947	7,101	6,877	7,935
East Tennessee State U.	288	6,121	7,705	8,052	6,825	4,865	4,664	5,655	5,870	7,168	7,688
Miami U.	289	11,546	11,476	12,447	11,314	10,311	9,278	7,699	7,568	7,924	7,680
U. Nebraska, Omaha	290	4,128	5,034	5,589	5,230	4,979	4,484	6,657	7,038	7,043	7,655
SUNY, C. of Environmental Science and Forestry	291	8,907	8,732 i	8,557 i	8,382 i	5,564 i	7,784	8,109	7,658	6,854	7,632
Alcorn State U.	292	9,256	8,655	8,598	8,321	7,447	6,784	6,387	8,634	7,372	7,540
Idaho State U.	293	13,591	16,821	15,711	12,738	10,566	11,510	11,827	11,084	9,737	7,222
U. Minnesota, Duluth	294	6,427	8,372	7,560	7,264	5,940	10,025	8,055	6,033	5,520	7,082
U. Maryland, Eastern Shore	295	8,583	8,587	6,955	8,511	8,902	9,284	7,853	7,265	4,890	6,983
U. Massachusetts, Dartmouth	296	11,236	12,253	10,329	8,076	8,413	7,134	6,463	7,118	6,595	6,957
Baylor U.	297	2,842	3,386	3,289	3,435	3,991	3,839	4,214	5,255	5,749	6,885
Texas A&M U.-Kingsville	298	5,067	4,765	4,980	4,988	6,415	5,483	5,910	5,827	5,640	6,874
CUNY, Advanced Science Research Center	299	na	na	na	na	na	257	ne	2,355	4,027	6,859

TABLE 79

Federally financed higher education R&D expenditures in science and engineering fields, ranked by FY 2019 R&D expenditures: FYs 2010–19

(Dollars in thousands)

Institution	Rank	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
U. Missouri, Saint Louis	300	5,886	8,214	7,990	6,821	5,293	3,984	4,343	4,710	5,889	6,714
Northern Illinois U.	301	16,907	11,226	12,311	12,178	8,697	8,915	9,679	6,164	6,925	6,705
Oakland U.	302	7,024	9,001	8,168	6,855	5,986	5,339	6,154	6,414	5,733	6,690
U.S. Military Academy	303	19,763 i	12,314	11,702	11,612	13,247	13,135	12,281	7,247	6,313	6,432
U. North Carolina, Wilmington	304	13,026	12,933	10,032	7,599	4,480	4,519	4,595	4,834	5,001	6,405
Langston U.	305	3,313	3,778	3,957	4,153	5,816	5,621	8,941	7,960 i	7,146 i	6,331
Louisiana Tech U.	306	9,715	10,351	8,296	7,593	6,577	5,433	5,013	5,438	5,710	6,303
U. Arkansas, Little Rock	307	6,578	7,995	7,894	6,076	4,559	3,736	4,473	4,220	4,942	6,114
Tennessee Technological U.	308	6,958	5,119	4,154	3,566	3,662	3,508	4,015	4,808	5,269	5,996
California State U., San Bernardino	309	2,119 i	6,212	5,914	5,633	6,004	5,628	5,920	5,423	5,436	5,991
Western Michigan U. and Homer Stryker M.D. School of Medicine	310	10,120	11,444	8,295	7,547	7,185	7,216	6,863	7,447	6,948	5,654
U. Texas Health Science Center, Tyler	311	ne	ne	ne	ne	ne	3,713	3,757	5,792	5,395 i	5,626 i
CUNY, Graduate School of Public Health and Health Policy	312	na	na	na	na	na	na	na	na	5,080	5,572
Clark Atlanta U.	313	7,229	7,040	8,447	7,576	7,241	7,439	6,017	5,752	5,611	5,550
Virginia State U.	314	5,080	5,642	6,852	6,108	5,321	4,848	5,017	4,357	4,814	5,486
Chapman U.	315	1,429	1,215	1,465	2,227	2,170	2,348	2,951	3,414	3,780	5,359
U. New England	316	2,829	3,242	3,359	4,271	4,762	4,856	5,298	5,918	4,976	5,269
California State U., Sacramento	317	5,032	6,145	4,878	6,893	4,769	5,148	4,773	5,876	5,620	5,238
Montana Technological U.	318	5,321	4,999	3,293	3,507	3,202	3,420	3,916	5,019	4,691	4,926
U. Hawaii, Hilo	319	10,491	5,243	14,195	10,989	8,522	12,718	9,401	5,461	5,264	4,924
U. Detroit Mercy	320	629	602	508	ne	317	890	2,565	2,296	4,385	4,908
Missouri State U.	321	6,051	4,756	3,697	3,129	3,027	3,141	2,633	2,659	3,977	4,907
St. Edward's U.	322	ne	3,073	2,450	2,640	1,633	4,200	3,600	5,560	1,596	4,893
Arkansas State U., Jonesboro	323	6,169	8,591	9,595	6,268	3,849	4,315	4,826	4,396	4,371	4,867
Kentucky State U.	324	3,501	3,146	4,919	3,906	4,335	4,590	5,146	5,382 i	5,618	4,691
Tarleton State U.	325	6,379	6,036	5,086	3,525	3,565	3,801	4,484	4,602	4,288	4,632
West Virginia State U.	326	2,759	3,193	3,945	3,292	5,646	5,561	4,126	5,072	5,361	4,526
Fisk U.	327	7,686	4,631	4,058	5,429 i	7,366	7,123 i	7,512	4,327	2,781	4,473
Fort Valley State U.	328	4,586	3,452	3,334	3,329	4,249	4,079	4,844	5,068	3,700	4,433
Morehouse C.	329	7,704	8,280 i	8,856	9,169	6,919	5,836	4,199	3,663	4,365	4,427
Illinois State U.	330	3,449	3,264	2,954	3,203	3,463	2,872	2,878	2,742	2,742	4,390
DePaul U.	331	3,874	4,601	4,800	4,236	4,818	4,436	4,601	5,393	4,496	4,331
CUNY, Brooklyn C.	332	5,002	6,724	6,305	5,831	5,709	5,439	5,836	4,968	4,149	4,325 i
Duquesne U.	333	5,032	5,103	4,614	3,289	3,980	4,394	4,973	4,959	4,944	4,316

TABLE 79

Federally financed higher education R&D expenditures in science and engineering fields, ranked by FY 2019 R&D expenditures: FYs 2010–19

(Dollars in thousands)

Institution	Rank	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
U. Arkansas, Pine Bluff	334	3,947	4,696	4,540	4,550	3,875	3,912	4,233	3,747	3,648	4,299
U. New Orleans	335	14,185	12,475	11,481	9,729	8,716	6,787	6,617	5,502	5,246	4,272
California State U., Bakersfield	336	637	727	641	1,721	1,140	1,854	1,662	2,416	3,243	4,245
Wesleyan U.	337	4,475	5,361	4,612	3,930	3,313	3,582	3,393	3,817	3,990	4,211
California State U., Fullerton	338	6,710	7,957	6,477	6,264	6,325	4,640	3,651	3,865	4,610	4,117
Villanova U.	339	6,367 i	6,817 i	5,518 i	4,218	5,008	4,563	4,334	3,968	3,955	3,956
U. Tulsa	340	6,819	7,547	6,615	6,041	5,487	5,885	6,037	5,816	4,440	3,891
Bowling Green State U.	341	4,963	6,162	6,957	9,287	6,520	4,067	4,221	3,565	3,275	3,878
Western Washington U.	342	4,137	4,153	3,714	3,287	3,425	3,879	3,972	4,216	3,884	3,842
California State U., Monterey Bay	343	3,167	4,713	4,341	4,961	3,862	3,459	3,654	3,574	3,607	3,746
C. Charleston	344	10,105	4,438	5,259	5,354	4,114	4,863	5,026	5,020	3,653	3,689
MGH Institute of Health Professions	345	ne	408	ne	ne	ne	3,766	2,228	1,839	2,957	3,494
Clark U.	346	3,243	3,776	2,970	2,649	2,643	2,297	1,930	2,465	2,949	3,489
Wellesley C.	347	3,406	2,461	2,895	3,130	3,579	2,971	5,065	3,725	3,668	3,447
Texas Southern U.	348	3,638	3,806	4,287	4,741	2,764	2,801	2,825	3,654	2,368	3,238
Fordham U.	349	3,426	3,086	3,193	3,748	3,239	2,789	4,760	4,750	4,210	3,171
California State Polytechnic U., Pomona	350	2,523	2,964	2,635	2,945	2,165	1,826	2,199	3,225	4,181	3,131
Western Kentucky U.	351	6,606	6,079	5,639	4,161	2,916	2,983	3,346	3,285	2,860	3,128
New York Institute of Technology	352	250	369	950	2,097	3,049	2,070	1,536	983	1,439	3,072
Southern U. and A&M C., Agricultural Research and Extension Center	353	ne	4,049	5,926	3,481	3,363	2,514	2,415	2,736 i	3,057	3,057
Montclair State U.	354	1,113	2,552	3,265	2,944	1,900	2,116	2,301	1,974	2,942	3,050
South Carolina State U.	355	6,333	6,797 i	7,261	2,958 i	2,231 i	1,503	4,376 i	13,254	13,846 i	3,010
Dakota State U.	356	ne	402	3,555	831	908	765	1,448	1,989	3,273	3,006
Southern Illinois U., Edwardsville	357	4,140	3,946	2,808	2,896	2,066	2,111	3,077	3,472	2,907	2,951
California State U., Fresno	358	3,089	3,589	3,517	2,682	2,852	3,040	2,979	3,162	3,925	2,897
Smith C.	359	2,755	3,101	2,626	2,824	3,042	3,575	2,563	3,352	3,288	2,887
Youngstown State U.	360	2,067	3,304	2,159	1,825	1,867	2,346	1,083	3,257	3,634	2,878
U. New Haven	361	ne	199	235	728	344 i	183	2,157	474	3,853	2,786
CUNY, Graduate Center	362	2,663	1,652	1,849	2,180	2,127	1,707	1,004 i	830	2,313	2,785
U. Colorado Colorado Springs	363	6,453	5,420	2,935	2,471	3,150	3,791	3,717	4,267	3,734	2,752
Pacific U.	364	565	75	198	1,669	539	350	708	2,830	1,559	2,731
U. Central del Caribe	365	6,504	6,613	6,304	5,946	6,407	6,147	6,290	4,866	2,937	2,705
Barnard C.	366	2,702	3,226	3,122	2,530	2,190	2,166	2,794	2,645	2,291	2,701
Lincoln U., Jefferson City	367	5,984	7,084	6,306	4,989	5,460	5,492	4,953	4,148	2,498	2,700

TABLE 79

Federally financed higher education R&D expenditures in science and engineering fields, ranked by FY 2019 R&D expenditures: FYs 2010–19

(Dollars in thousands)

Institution	Rank	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Southern U. and A&M C., Baton Rouge	368	5,920	6,057	i 6,194	3,998	2,714	3,258	2,778	2,812	2,902	2,680
Ball State U.	369	1,712	1,701	2,171	1,267	1,617	1,828	2,813	2,083	2,749	2,607
Murray State U.	369	2,074	2,471	1,904	816	601	793	555	1,200	1,587	2,607
Alabama State U.	371	13,340	12,340	13,607	1,927	2,236	2,303	2,372	2,253	2,434	2,577
Western U. of Health Sciences	372	885	900	1,268	1,130	1,368	1,099	2,299	2,714	2,562	2,573
U. of the District of Columbia	373	1,946	2,313	2,430	2,168	1,627	1,434	2,451	2,659	2,021	2,526
Central State U.	374	2,544	3,475	3,340	2,686	2,000	1,508	1,546	1,491	2,299	2,517
U. San Diego	375	1,332	1,139	1,903	2,002	2,435	1,799	2,121	2,299	2,362	2,494
U. Washington, Tacoma	376	47	108	130	0	0	1,386	1,595	727	1,523	2,451
U. Tennessee, Chattanooga	377	4,866	2,929	3,199	2,056	1,486	1,949	1,092	1,144	1,490	2,393
U. Northern Iowa	378	499	1,597	1,982	2,146	2,007	1,847	2,267	2,153	1,697	2,343
Haverford C.	379	2,698	1,851	1,478	1,547	1,309	1,476	972	1,031	1,660	2,339
Saginaw Valley State U.	380	77	525	330	203	ne	223	228	595	1,215	2,332
Sam Houston State U.	381	4,887	2,098	2,422	1,729	1,733	1,488	1,830	1,872	2,200	2,316
Tougaloo C.	382	2,978	2,542	1,865	1,857	1,894	1,868	1,747	2,252	2,860	2,293
U. Southern Maine	383	2,498	3,592	5,415	4,515	3,071	i 2,460	i 1,848	2,252	2,237	2,275
Skidmore C.	384	1,872	1,562	1,334	1,448	1,170	969	732	1,179	1,878	2,261
Texas Tech U., Health Sciences Center, El Paso	385	ne	ne	ne	ne	5,316	2,689	2,953	2,329	2,489	2,238
Texas Christian U.	386	2,161	2,483	3,253	3,767	3,690	3,291	2,671	2,523	2,311	2,211
Northwest Indian C.	387	1,943	1,993	i 2,044	2,216	1,705	i 1,154	i ne	ne	1,649	2,201
CUNY, Lehman C.	388	2,348	i 2,700	2,208	1,874	2,247	2,371	3,625	3,713	4,177	2,181
Central Washington U.	389	4,038	2,238	1,840	1,242	1,108	1,575	1,580	2,287	1,840	2,159
National Defense U.	390	ne	ne	ne	4,906	6,712	4,832	5,720	5,723	2,219	2,155
U. of the Pacific	391	1,667	1,414	749	823	985	1,019	1,879	1,403	2,057	2,144
Towson U.	392	1,806	2,630	1,771	2,015	1,870	1,325	1,449	1,453	2,133	2,141
CUNY, C. Staten Island	393	949	1,470	1,242	1,302	1,241	1,021	1,694	1,524	1,737	i 2,120
Amherst C.	394	966	1,775	1,810	i 1,846	1,543	1,835	1,207	1,228	1,630	2,118
Humboldt State U.	395	2,965	3,292	3,575	2,819	2,498	3,280	4,455	3,796	3,024	2,103
Northeastern Illinois U.	396	288	311	ne	ne	588	ne	ne	805	1,877	2,078
James Madison U.	397	5,563	5,218	6,476	4,604	2,997	2,418	2,189	2,172	1,640	2,075
Mount Holyoke C.	398	1,346	1,883	1,790	1,775	2,374	2,314	2,848	3,168	2,210	2,074
U. South Carolina, Aiken	399	122	i 592	ne	937	759	i 689	1,155	2,697	2,437	2,063
Spelman C.	400	2,740	1,833	1,874	1,366	1,185	1,035	1,291	1,227	1,673	2,004
Fayetteville State U.	401	2,188	1,810	1,421	1,690	2,185	1,792	2,740	2,202	2,251	1,974
Eastern Michigan U.	402	3,375	3,802	3,081	2,194	932	1,274	1,200	1,005	1,137	1,971

TABLE 79

Federally financed higher education R&D expenditures in science and engineering fields, ranked by FY 2019 R&D expenditures: FYs 2010–19

(Dollars in thousands)

Institution	Rank	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
U. Louisiana, Monroe	403	1,470	1,971	1,752	976	1,705	1,479	2,016	1,838	1,789	1,949
Toyota Technological Institute, Chicago	404	ne	496	ne	ne	ne	1,392	1,410	1,581	1,759	1,934
Carleton C.	405	1,643	2,132	2,212	3,326	3,046	1,077	832	727	933	1,891
Polytechnic U. Puerto Rico	406	ne	193	ne	ne	ne	ne	ne	ne	ne	1,884
SUNY, C. of Optometry	407	2,829	3,336	3,162	2,757	2,567	2,490	2,487	2,073	1,944	1,823
Texas A&M International U.	408	1,481	1,191	985	868	977	658	911	1,722	1,980	1,814
Hawaii Pacific U.	409	ne	525	858	850	1,116	789	2,071	1,921	1,905	1,809
U. Washington, Bothell	410	435	363	323	0	711	1,222	546	747	917	1,800
CUNY, New York City C. of Technology	411	59	145	ne	ne	ne	ne	ne	ne	1,978	1,795
New School	412	1,376	1,512	1,830	2,370	1,892	2,106	2,366	2,126	1,665	1,790
Bowdoin C.	413	1,806	1,876	3,300	3,240	2,330	2,154	2,452	1,811	2,026	1,777
Indiana U. Pennsylvania	414	489	616	669	101	169	ne	321	1,303	891	1,773
Georgia Southern U.	415	1,882	1,520	1,341	1,990	3,123	2,923	2,540	2,826	1,758	1,765
Kennesaw State U.	416	1,105	983	1,127	i 1,271	1,397	713	1,037	1,182	1,306	1,738
Clafin U.	417	3,226	5,103	5,090	2,556	1,511	1,158	1,726	1,344	1,491	1,735
U. Michigan, Dearborn	418	2,801	4,291	2,881	3,103	2,882	1,844	2,035	1,860	1,341	1,722
Savannah State U.	419	1,774	2,518	1,874	2,514	2,127	1,796	2,245	1,388	1,778	1,709
Albany C. of Pharmacy and Health Sciences	420	1,380	1,634	1,182	1,333	1,643	1,065	380	566	1,092	1,690
St. John's U., New York	421	1,161	1,181	1,095	868	879	942	868	961	1,528	1,666
Grand Valley State U.	422	1,078	1,610	i 2,142	i 2,675	2,151	2,033	1,479	1,365	1,719	1,663
Western Carolina U.	423	1,273	691	931	647	669	740	873	963	992	1,650
Long Island U.	424	545	i 590	i 577	i 567	ne	ne	346	1,183	1,416	1,647
Harvey Mudd C.	425	2,049	2,594	2,038	2,004	1,457	1,633	2,320	1,521	1,762	1,619
Occidental C.	426	644	898	1,079	1,105	1,365	853	1,260	701	888	1,614
Bates C.	427	971	1,485	1,555	1,390	1,114	2,004	1,156	1,053	1,121	1,607
Lamar U.	428	4,184	3,959	3,057	1,604	1,118	297	218	917	1,280	1,604
Alfred U.	429	1,645	1,964	1,625	1,447	1,310	1,305	1,318	883	1,403	1,580
Franklin and Marshall C.	429	1,857	1,397	1,116	879	867	991	945	1,711	1,760	1,580
Oberlin C.	431	1,359	1,183	1,330	1,204	1,204	1,364	962	1,558	1,096	1,576
Middle Tennessee State U.	432	2,428	1,595	4,207	1,897	1,022	1,609	2,564	2,212	2,206	1,572
Middlebury C.	433	2,245	2,289	2,513	1,760	1,320	1,535	1,736	2,002	1,701	1,558
U. Richmond	434	2,050	1,705	2,097	1,747	2,004	1,738	1,924	1,870	1,628	1,545
Touro U.	435	999	1,196	1,390	1,351	1,374	1,332	1,199	1,196	1,410	1,540
Pace U.	436	627	952	1,469	1,054	1,155	1,329	1,170	862	610	1,537

TABLE 79

Federally financed higher education R&D expenditures in science and engineering fields, ranked by FY 2019 R&D expenditures: FYs 2010–19

(Dollars in thousands)

Institution	Rank	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
U. Wisconsin-Superior	437	5,197	5,638 i	5,302 i	ne	1,941 i	ne	ne	ne	1,916	1,527
U. Northern Colorado	438	1,606	1,513	1,117	956	1,867	1,230	1,674	1,752	1,745	1,518
Purdue U., Northwest	439	na	na	na	na	na	na	na	2,218	1,927	1,513
Western Illinois U.	440	658	742	3,855	1,183	735	350	ne	1,198	1,535	1,486
CUNY, York C.	441	ne	1,507	812	693	ne	288	ne	ne	ne	1,477
Morehead State U.	442	1,291	1,656	1,591	1,798	961	1,064	1,668	2,051	1,672	1,471
Winston-Salem State U.	443	ne	743	1,280	436	ne	ne	1,069	1,175	1,289	1,468
Pennsylvania State U., Behrend	444	887	1,029	1,232	1,341	1,596	1,474	2,397	1,658	1,025	1,424
Reed C.	445	796	772	678	897	1,092	1,638	1,690	415	1,065	1,423
U. Oklahoma, Tulsa	446	ne	ne	ne	ne	ne	882	1,046	883	1,531	1,415
Claremont Graduate U.	447	4,888	1,050	6,200	7,030	5,517 i	4,696 i	3,876 i	3,056 i	2,236 i	1,414
Bucknell U.	448	2,626	2,600	1,514	1,581	1,724	1,489	1,368 i	1,317 i	1,266	1,403
Dillard U.	449	2,711	5,019 i	7,325	7,692	6,889	8,851	7,585	5,592	5,503	1,390
Swarthmore C.	450	901	1,005	1,115	1,203	1,261	1,352	1,393	1,402	1,343	1,367
California State U., Chico	451	1,466	1,209	1,332	1,668	1,085	743	851	577	1,051	1,359
CUNY, Baruch C.	451	1,010	1,025	1,209	547	548	838	1,214	1,027	1,154	1,359
Hope C.	453	2,523	2,414	1,912	1,993	1,834	1,436	1,251	1,157	1,088	1,349
CUNY, system office	454	ne	ne	819	397	352	828	774	420	1,977	1,347
U. Central Arkansas	454	1,560	1,300	1,314	1,033	1,145	1,222	931	1,183	1,113	1,347
U. of the Sciences Philadelphia	456	965	1,338	1,287	1,357	937	851	1,153	1,102	1,095	1,318
U. Baltimore	457	1,518	2,328	2,391	2,063	2,513	2,390	3,479	2,922	1,642	1,309
Appalachian State U.	458	1,662	2,398	2,264	1,722	2,186	1,795	1,896	2,629	1,840	1,298
Stephen F. Austin State U.	459	4,704	1,385	953	1,055	1,118	1,565	1,011	835	785	1,297
Coastal Carolina U.	460	1,533	1,439	1,474	1,691	1,281	1,041	858	1,028	1,031	1,294
Christopher Newport U.	461	1,035	1,587	1,230	1,083	1,263	938	779	859	1,068	1,285
Fort Lewis C.	462	325	511	ne	ne	ne	ne	ne	ne	ne	1,284
Colorado State U., Pueblo	463	364	354	ne	ne	ne	ne	ne	ne	ne	1,282
West Texas A&M U.	464	2,100	1,340	1,785	1,314	1,324	1,635	1,523	1,108	1,104	1,278
U. Central Oklahoma	465	1,059	1,146	750	765	993	1,422	1,081	850	1,048	1,277
Santa Clara U.	466	3,494	1,992	1,953	1,641	1,992	1,224	1,634	1,406	1,520	1,266
U. North Carolina, Asheville	467	1,367	1,519	1,565	1,505	1,174	1,452	2,202	1,714	1,309	1,262
U. North Florida	468	4,516	5,048	3,760	1,424	1,045	1,184	1,333	1,287	1,325	1,243
U. Wisconsin-Oshkosh	469	769	1,100	1,140	932 i	1,012 i	1,046 i	ne	1,115 i	1,165 i	1,237 i
U. Alaska, Southeast	470	1,150	941	887	1,001	1,158	1,341	1,502	1,480	1,636	1,235
U. Nebraska, Kearney	471	289	1,018	714	838	652	513	870	975	1,014	1,227
Benedict C.	472	1,473	2,925	2,713	2,625	2,443	1,373	1,621	1,634	1,889	1,226
Northern Kentucky U.	473	1,476	1,573	1,474	1,239	1,396	1,246	1,061	1,047	780	1,223

TABLE 79

Federally financed higher education R&D expenditures in science and engineering fields, ranked by FY 2019 R&D expenditures: FYs 2010–19

(Dollars in thousands)

Institution	Rank	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
U. West Florida	474	2,310	1,505	809	646	883	1,061	684	793	1,149	1,210
SUNY, Buffalo State	475	1,247	1,958	2,348	1,336	1,076	846	849	860	1,040	1,203
Colgate U.	476	1,519	1,058	1,497	1,320	1,153	1,109	1,217	1,096	1,389	1,202
SUNY, Geneseo	477	679	1,278	1,499	609	455	635	908	992	998	1,184
CUNY, John Jay C. of Criminal Justice	478	3,079	3,410	2,786	2,839	2,164	2,342	2,467	1,833	2,949	1,154
SUNY, C. Plattsburgh	479	1,187	726	454	ne	459	717	545	455	1,254	1,142
California State U., Dominguez Hills	480	2,658	2,671	2,689	2,738	1,384	i 1,035	1,124	753	1,072	1,135
Williams C.	481	2,330	2,117	2,029	1,498	1,029	1,700	1,614	1,703	1,458	1,131
Dine C.	482	ne	911	i ne	ne	ne	ne	ne	ne	1,238	1,126
New Jersey City U.	483	132	ne	ne	ne	ne	ne	ne	1,600	3,255	1,120
Furman U.	484	1,245	984	1,044	1,108	857	1,071	1,068	1,292	1,110	1,106
Gallaudet U.	485	4,584	3,876	3,712	3,916	2,586	2,064	2,133	2,273	2,142	1,105
Palmer C. of Chiropractic, Davenport	486	3,009	3,344	2,906	1,991	1,775	i 1,558	1,485	1,189	1,100	1,100
Rutgers, State U. New Jersey, Camden	487	1,765	1,259	1,248	1,511	1,728	1,984	2,637	2,322	1,495	1,096
Trinity C., Hartford	488	1,026	1,217	1,432	1,040	1,313	889	893	2,084	794	1,077
U. of the Incarnate Word	489	ne	111	ne	ne	ne	403	ne	ne	868	1,075
Keck Graduate Institute	490	ne	1,744	1,671	1,227	1,302	937	949	i 969	i 987	i 1,059
Colby C.	491	1,015	1,002	1,148	989	943	1,038	1,061	1,038	1,188	1,058
U. Wisconsin-Stevens Point	491	4,455	3,752	i 3,049	2,131	1,678	i 1,301	i 923	i 957	i 998	i 1,058
Bryn Mawr C.	493	932	1,469	1,619	1,853	1,346	1,713	1,641	1,432	1,265	1,052
Hobart and William Smith Colleges	494	1,030	1,206	914	1,786	666	378	ne	528	ne	1,047
Midwestern U.	495	285	438	427	369	517	654	1,060	1,184	1,278	1,045
U. South Florida, Saint Petersburg	496	287	141	243	167	201	95	557	884	1,016	1,026
Keene State C.	497	ne	846	664	i 482	829	820	ne	754	ne	1,022
U. Hartford	498	820	1,571	1,450	1,165	1,080	992	1,172	1,178	62	1,019
Loyola Marymount U.	499	894	2,759	1,139	1,154	906	809	638	705	616	982
U. Illinois, Springfield	500	332	373	554	503	405	307	527	1,169	1,108	966
California State U., Stanislaus	501	ne	1,037	i 1,070	650	341	174	221	478	734	964
Saint Michael's C.	501	487	471	ne	1,293	1,242	1,153	1,396	1,228	1,255	964
Union C., Schenectady	501	1,427	959	867	1,863	1,385	1,080	1,680	554	872	964
U. Puerto Rico, Cayey	504	601	871	1,515	1,168	1,143	959	1,105	704	632	963
CUNY, Medgar Evers C.	505	364	1,315	981	1,066	660	686	ne	1,007	965	954
U. Ana G. Mendez, Gurabo	506	212	377	446	362	1,008	346	357	423	418	951

TABLE 79

Federally financed higher education R&D expenditures in science and engineering fields, ranked by FY 2019 R&D expenditures: FYs 2010–19

(Dollars in thousands)

Institution	Rank	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Florida Gulf Coast U.	507	2,661	2,740	1,902	1,553	1,153	1,139	1,377	1,105	764	944
Oklahoma State U., Center for Health Sciences	507	817	377	83	61	31	321	697	984	959	944
Canisius C.	509	154	181	ne	ne	ne	ne	ne	1,330	1,044	943
Lewis and Clark C.	510	818	684	718	1,490	1,378	872	636	723	834	931
New England C. of Optometry	511	726	1,236	1,685	1,588	533	419	618	ne	837	928
Hofstra U.	512	920	948	1,117	666	997	1,836	1,762	1,307	1,060	915
Johnson C. Smith U.	513	ne	ne	ne	ne	ne	ne	483	603	994	913
Vassar C.	514	1,236	1,552	993	1,136	999	954	1,417	1,579	4,185	i 909
Albany State U.	515	396	893	1,988	1,532	1,271	1,005	965	842	649	903
Calvin U.	516	2,031	556	664	731	1,208	1,034	i 795	880	1,332	900
Davidson C.	517	1,153	1,053	651	1,574	1,166	1,703	810	1,099	738	895
Chicago State U.	518	1,598	2,014	565	ne	ne	ne	910	ne	1,154	894
Trinity U.	519	964	1,046	1,222	1,989	1,535	1,151	956	977	1,116	878
Bowie State U.	520	ne	1,910	1,739	1,422	1,761	1,497	1,507	987	1,100	876
Pomona C.	521	1,038	1,769	1,528	2,144	1,789	1,074	1,579	1,038	867	861
American Samoa Community C.	522	ne	ne	ne	ne	ne	1,337	793	ne	ne	860
Black Hills State U.	522	1,355	1,097	1,118	1,123	662	635	1,127	812	813	860
Providence C.	524	857	726	ne	827	ne	1,162	981	783	960	857
Gettysburg C.	525	524	266	ne	ne	ne	ne	ne	597	901	841
Lafayette C.	526	1,223	1,421	1,149	1,145	853	1,052	858	1,303	968	838
Roger Williams U.	527	1,056	1,391	1,362	1,206	1,454	1,124	1,215	1,183	854	828
U. Puerto Rico, Humacao	527	1,950	i 1,976	1,949	1,452	1,102	669	ne	ne	882	828
Indiana State U.	529	990	1,352	1,268	858	1,005	925	954	510	629	821
U. Texas, Tyler	530	1,689	977	2,084	1,325	280	309	352	613	718	813
Eastern Washington U.	531	46	559	725	1,226	885	955	1,244	1,181	997	811
Seton Hall U.	532	2,206	1,259	679	691	688	736	825	850	724	810
Des Moines U.	533	62	91	ne	ne	224	ne	363	842	897	805
Macalester C.	533	1,044	1,455	1,075	871	878	708	771	970	553	805
U. Wisconsin-Green Bay	535	724	631	i 592	i 552	i 512	i 470	i 833	i 604	i 526	i 792
Augustana U.	536	889	1,169	1,007	809	737	647	ne	890	981	784
Texas A&M U.-Commerce	537	1,078	941	1,182	1,319	1,067	1,121	582	604	956	780
Kenyon C.	538	413	358	ne	ne	ne	ne	ne	ne	764	776
U. Wisconsin-La Crosse	539	2,150	2,013	i 1,876	1,240	1,095	1,006	1,250	1,158	1,171	775
Salish Kootenai C.	540	382	658	1,019	1,042	1,399	i 1,186	732	781	963	766
Milwaukee School of Engineering	541	1,177	1,181	1,207	1,245	1,500	1,335	1,164	775	680	764
National U. of Natural Medicine	542	ne	247	ne	ne	ne	ne	ne	427	ne	760

TABLE 79

Federally financed higher education R&D expenditures in science and engineering fields, ranked by FY 2019 R&D expenditures: FYs 2010–19

(Dollars in thousands)

Institution	Rank	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	
Connecticut C.	543	954	1,005	1,130	833	514	756	817	777	505	752	
Edward Via C. of Osteopathic Medicine	544	ne	707	502	517	250	89	88	94	195	749	
U. Wisconsin-Eau Claire	545	1,271	826	786	646	393	ne	660	925	690	742	
Claremont McKenna C.	546	1,102	1,061	1,082	i 1,081	i 1,080	i ne	604	754	555	730	
Doane U.	547	ne	1,008	546	ne	846	390	ne	ne	725	728	
Rhode Island C.	548	ne	1,195	1,140	993	851	726	1,107	860	669	726	
Southern Connecticut State U.	549	0	899	605	i 446	1,620	i 1,205	i 981	1,004	766	718	
U. Houston-Clear Lake	549	301	818	730	875	739	541	756	753	894	718	
Minnesota State U., Mankato	551	2,001	812	667	297	296	357	1,189	522	639	708	
West Chester U. Pennsylvania	552	3,531	i 5,691	788	513	392	500	453	618	425	704	
Whitman C.	553	1,072	957	398	ne	ne	ne	ne	ne	ne	701	
Salus U.	554	1,261	1,152	1,086	1,032	1,044	1,198	1,571	1,375	1,190	696	
Fort Hays State U.	555	ne	ne	ne	ne	ne	ne	ne	ne	ne	690	
Naval War C.	556	ne	ne	0	i 0	i 0	0	0	3,797	i 4,384	679	
Texas Woman's U.	557	822	942	1,058	588	423	299	573	407	326	677	
Salisbury U.	558	422	586	360	674	1,155	967	841	806	369	658	
Mercyhurst U.	559	703	174	145	134	97	77	95	405	i ne	656	i
Bethune-Cookman U.	560	ne	ne	ne	ne	ne	ne	ne	ne	1,016	640	
SUNY, C. Brockport	561	521	677	989	755	564	535	639	747	672	638	
Winthrop U.	562	ne	871	935	651	594	676	490	391	442	634	
Biola U.	563	ne	ne	ne	ne	ne	ne	555	i 567	i 588	i 631	i
SUNY, Oswego	564	644	871	ne	673	ne	ne	ne	669	661	628	
William Paterson U.	565	105	140	ne	ne	ne	ne	299	178	195	626	
California State U., Maritime Academy	566	ne	1,200	1,748	1,257	122	23	71	225	550	617	
Eastern Kentucky U.	567	2,371	2,736	2,149	1,630	1,251	919	1,000	758	619	598	
Southeastern Louisiana U.	568	942	735	794	815	692	1,212	757	1,027	830	586	
Northwestern State U. Louisiana	569	635	683	609	590	494	ne	490	458	490	579	
Seattle U.	570	467	i 622	530	ne	848	890	809	748	873	574	
Fairfield U.	571	372	401	379	i 354	810	339	435	982	1,172	563	
Grambling State U.	572	993	1,515	1,298	1,077	1,065	915	974	846	778	558	
Stockton U.	573	ne	405	160	ne	380	198	221	ne	246	549	
Liberty U.	574	ne	ne	ne	ne	ne	ne	ne	ne	ne	535	
Bradley U.	575	512	554	889	899	587	306	955	434	278	515	
St. Cloud State U.	575	501	380	215	420	797	1,299	561	554	494	515	

TABLE 79

Federally financed higher education R&D expenditures in science and engineering fields, ranked by FY 2019 R&D expenditures: FYs 2010–19

(Dollars in thousands)

Institution	Rank	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019			
California State U., Channel Islands	577	ne	311	ne	316	520	825	244	122	269	500			
Augsburg U.	578	ne	905	766	567	ne	669	671	641	505	496			
Purdue U., Fort Wayne	579	1,231	1,490	1,132	1,121	806	956	742	688	766	476			
C. Wooster	580	249	512	183	ne	404	386	ne	736	744	456			
Willamette U.	581	441	419	911	646	672	730	757	739	807	435			
A. T. Still U.	582	116	244	117	i	210	i	302	2,442	2,041	177	ne	434	
U. Ana G. Mendez, Cupey	583	859	1,521	6,748	5,498	4,328	4,145	3,348	3,781	2,805	417			
Pepperdine U.	584	199	172	428	465	586	724	966	343	289	399			
Yeshiva U.	585	163,399	197,032	201,397	193,831	186,885	180,791	30,266	816	683	380			
Oregon Institute of Technology	586	ne	193	ne	ne	ne	63	1,268	694	i	217	367	i	
Philadelphia C. of Osteopathic Medicine	587	812	850	694	277	104	192	150	260	260	346			
Pittsburg State U.	588	999	1,280	989	791	1,006	448	270	316	195	339			
Sul Ross State U.	588	1,595	1,672	1,073	735	546	333	272	440	553	339			
Florida Polytechnic U.	590	na	na	na	na	na	203	ne	ne	ne	338			
Marshall B. Ketchum U.	591	ne	ne	ne	ne	48	224	375	368	i	354	i	336	i
U. Massachusetts, central office	592	ne	ne	485	131	185	86	201	402	408	333			
Central Connecticut State U.	593	351	662	666	601	433	193	131	208	ne	328			
Grinnell C.	594	1,155	287	648	372	414	546	340	582	588	326			
Kettering U.	595	4,477	3,452	1,985	1,084	908	666	817	1,395	883	321			
U. California, Office of the President	596	121	483	1,048	599	248	181	295	288	343	319			
U. of St. Thomas (MN)	597	656	720	557	570	352	ne	195	212	320	313			
Alaska Pacific U.	598	283	349	ne	ne	ne	532	322	252	217	304			
Wheaton C., Wheaton	599	ne	585	114	ne	168	162	ne	70	50	301			
Austin Peay State U.	600	ne	729	481	364	189	334	301	347	599	295			
Lawrence Technological U.	601	2,809	2,425	1,106	985	739	971	326	569	457	294			
U. Wisconsin-Platteville	601	46	50	i	ne	ne	287	i	266	i	ne	294	i	
Maine Maritime Academy	603	ne	280	i	ne	ne	ne	0	1,207	1,370	773	282		
Andrews U.	604	280	77	ne	ne	ne	ne	ne	ne	ne	278			
Elon U.	605	ne	40	111	161	143	92	194	213	285	264			
Saint Joseph's U.	606	960	683	565	292	147	169	160	129	163	261			
Northern Michigan U.	607	287	124	ne	ne	ne	ne	228	96	151	258			
Manhattan C.	608	166	245	ne	ne	ne	ne	ne	ne	ne	245			
St. Olaf C.	609	1,235	843	1,220	955	760	668	849	769	287	240			
Dickinson C.	610	445	616	685	467	345	402	394	380	ne	226			

TABLE 79

Federally financed higher education R&D expenditures in science and engineering fields, ranked by FY 2019 R&D expenditures: FYs 2010–19

(Dollars in thousands)

Institution	Rank	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
U. North Georgia	611	ne	ne	ne	ne	ne	ne	ne	257	198	222
Drake U.	612	361	229	ne	560	ne	ne	830	486	262	220
U. Portland	613	255	305	277	ne	ne	ne	ne	ne	ne	218
Rhode Island School of Design	614	ne	289	ne	ne	ne	252	274	269	212	215
U. North Carolina, general administration	615	ne	ne	ne	ne	ne	337	174	161	98	213
Colorado C.	616	412	362	307	269	511	570	320	585	259	202
U. San Francisco	617	335	313	1,842	858	738	503	280	405	310	198
U. Minnesota, Morris	618	243	276	ne	257	262	306	428	294	ne	195
Memorial Sloan Kettering Cancer Center, Louis V. Gerstner Jr. Graduate S. of Biomedical Sciences	619	ne	106	179	340	523	264	643	206	201	191
Allegheny C.	620	197	267	ne	ne	ne	ne	355	435	469	183
Eastern Connecticut State U.	621	ne	0	ne	ne	6	17	27	19	36	181
Albion C.	622	ne	113	ne	ne	ne	ne	ne	210	114	180
Heidelberg U.	623	ne	266	ne	349	199	272	294	428	163	164
California Lutheran U.	624	ne	171	ne	ne	ne	ne	ne	ne	ne	159
U. Houston-Downtown	625	905	1,178	1,824	464	496	773	620	828	703	130
U. of Mary Washington	626	ne	563	79	ne	ne	187	ne	ne	46	128
Azusa Pacific U.	627	ne	970	609	ne	ne	323	606	334	199	125
U. Michigan, Flint	628	32	181	ne	ne	ne	ne	ne	219	159	122
Monmouth U.	629	2,190	1,873	714	ne	635	ne	173	ne	ne	120
Niagara U.	630	162	150	118	28	0	4	0	0	125	114
Franklin W. Olin C. of Engineering	631	ne	666	1,090	946	1,050	1,103	782	473	425	111
Emerson C.	632	ne	ne	ne	ne	ne	410	347	343	299	106
Hamilton C.	633	812	1,085	1,070	848	413	202	173	48	78	88
Pennsylvania State U., Harrisburg	634	963	1,288	1,161	377	194	565	270	215	292	80
Rider U.	635	407	350	490	399	328	292	179	172	138	68
Jacksonville State U.	636	133	265	ne	ne	ne	13	307	209	199	67
C. of Saint Benedict	637	ne	0	ne	72	71	53	38	44	47	45
Texas A&M U.-Central Texas	637	ne	ne	ne	ne	ne	ne	ne	ne	143	45
La Sierra U.	639	ne	17	ne	ne	0	45	12	23	43	32
Roseman U. of Health Sciences	640	ne	0	ne	ne	131	0	0	0	18	17
All other surveyed institutions	-	802,459	921,640	862,822	797,744	589,779	572,704	573,570	587,362	622,862	0

i = imputed. na = not applicable; institution did not exist or did not exist as a separate entity. ne = not eligible; institution did not meet the criteria for inclusion.

^a Johns Hopkins University includes the Applied Physics Laboratory, with \$1,666,993 thousand in federally financed R&D expenditures in science and engineering fields in FY 2019.

^b The University of Maryland includes expenditures from the University of Maryland, Baltimore and University of Maryland, College Park campuses. In FY 2019, the two campuses began reporting as one research unit to reflect their new strategic partnership. This relationship was codified through the University of Maryland Strategic Partnership Act passed by the Maryland General Assembly in 2016. Prior to FY 2019, both campuses reported to the survey as separate institutions.

Note(s):

Institutions reporting zero expenditures in ranked total for FY 2019 are not listed in this table. Ranked institutions are geographically separate campuses headed by a campus-level president or chancellor. Some campuses are part of large, multi-campus universities; some are part of state university systems. For a complete list of campuses that belong to a larger university or system and their aggregate R&D expenditures, see table 6.

Source(s):

National Center for Science and Engineering Statistics, Higher Education Research and Development Survey.