

TABLE 79

Federally financed higher education R&D expenditures in science and engineering fields, ranked by FY 2020 R&D expenditures: FYs 2010–20

(Dollars in thousands)

Institution	Rank	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
All institutions	-	36,510,431	39,648,595	38,939,996	38,264,334	36,824,271	36,775,611	37,676,152	39,032,917	40,615,434	43,239,834	44,899,794
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	2,679,737
U. Washington, Seattle	2	809,433	921,399	876,941	869,623	849,713	851,573	893,050	912,856	955,518	958,103	987,195
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	877,379
Georgia Institute of Technology	4	370,532	426,088	482,349	520,754	510,422	548,063	567,100	578,107	646,317	708,682	780,894
Columbia U. in the City of New York	5	561,531	634,973	631,961	619,557	591,523	577,833	585,578	632,994	673,792	724,232	743,915
U. California, San Diego	6	578,889	635,223	653,549	630,009	597,270	601,184	602,336	639,643	634,676	698,138	726,536
Stanford U.	7	576,553	633,287	607,578	625,144	608,342	645,633	668,578	684,928	685,871	713,688	725,942
Duke U.	8	513,469	584,161	585,636	580,416	556,847	558,566	574,738	622,174	644,179	708,544	706,023
U. Pennsylvania	9	626,816	689,571	656,425	623,939	606,115	597,791	638,336	653,405	671,796	702,747	705,791
U. North Carolina, Chapel Hill	10	541,910	592,541	597,629	614,627	601,933	577,574	624,131	657,879	681,581	701,623	685,851
U. Pittsburgh, Pittsburgh	11	581,148	647,060	620,070	601,358	565,409	554,658	575,281	612,754	643,129	671,380	682,715
U. California, San Francisco	12	514,693	570,116	559,329	566,117	544,697	535,457	602,705	606,768	669,470	671,047	676,331
U. Maryland ^b	13	na	na	na	na	na	na	na	na	na	678,126	669,023
U. California, Los Angeles	14	522,423	545,882	527,899	489,820	458,157	482,771	479,718	479,799	557,986	587,740	642,219
Pennsylvania State U., University Park and Hershey Medical Center	15	463,301	459,333	526,212	556,185	516,300	507,889	532,669	528,181	557,323	591,201	632,245
U. Wisconsin-Madison	16	522,473	568,389	557,688	533,220	522,251	506,910	548,247	552,983	555,666	594,094	617,902
Harvard U.	17	467,237	530,908	574,346	575,868	554,944	530,382	549,539	565,269	578,722	611,123	598,313
Yale U.	18	475,010	518,195	517,072	502,439	475,585	471,381	494,504	531,995	549,026	573,491	582,575
Cornell U.	19	446,705	476,163	471,024	444,303	438,834	445,266	427,940	435,355	464,468	522,035	558,346

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(Dollars in thousands)

Institution	Rank	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
U. Southern California	20	402,372	443,458	433,136	423,708	421,887	408,105	396,197	436,515	488,081	530,971	549,528
Washington U., Saint Louis	21	466,993	460,282	432,434	402,702	410,115	424,723	436,229	468,637	496,648	531,885	545,027
Northwestern U.	22	356,193	393,449	385,377	389,757	385,888	385,868	424,638	438,732	464,689	497,740	527,958
Ohio State U.	23	384,633	471,331	416,304	425,547	416,177	406,941	418,887	427,154	439,594	465,081	505,626
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	503,414
Texas A&M U., College Station and Health Science Center	25	276,977	281,063	259,506	302,356	298,489	291,714	281,015	294,602	316,771	342,390	501,396
Vanderbilt U. and Vanderbilt U. Medical Center	26	377,185	434,213	430,445	432,752	408,743	390,701	395,505	442,669	456,599	470,774	492,333
Massachusetts Institute of Technology	27	451,050	482,544	478,955	487,647	480,991	486,650	501,702	484,597	476,576	485,821	484,184
Icahn School of Medicine at Mount Sinai	28	302,770	296,835	271,722	277,517	300,667	329,641	342,104	367,522	398,656	443,745	480,452
U. Texas, Austin	29	331,439	334,240	328,560	352,788	313,955	331,388	340,181	377,389	386,954	387,551	478,458
Emory U.	30	336,948	369,945	360,934	364,136	329,254	346,534	360,197	381,151	392,971	423,515	451,487
New York U.	31	250,006	289,172	300,271	283,382	314,712	326,691	332,483	369,947	395,445	416,137	433,598
U. Colorado Boulder	32	282,008	313,531	319,019	309,072	302,877	341,828	360,827	359,462	376,870	397,709	412,476
U. Alabama, Birmingham	33	320,704	340,342	303,677	286,873	276,112	325,008	346,190	356,303	370,401	395,910	397,206
U. California, Davis	34	329,041	359,704	356,540	344,632	327,697	322,919	334,534	337,995	354,823	370,601	377,068
U. Illinois, Urbana-Champaign	35	294,236	312,796	348,536	459,791	336,172	330,479	320,703	344,657	339,732	369,006	376,505
U. Florida	36	269,765	296,950	295,745	285,778	279,920	281,317	297,267	314,187	340,725	369,001	375,577
Case Western Reserve U.	37	333,438	352,938	358,722	347,628	328,548	307,960	320,402	325,354	346,935	355,970	356,751

TABLE 79

Federally financed higher education R&D expenditures in science and engineering fields, ranked by FY 2020 R&D expenditures: FYs 2010–20

(Dollars in thousands)

Institution	Rank	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
U. Chicago	38	348,537	365,824	329,119	294,862	276,237	290,776	293,557	302,361	297,824	327,837	347,734
U. California, Berkeley	39	303,201	326,120	333,179	305,932	309,305	342,042	338,562	326,548	324,521	341,328	345,103
U. Colorado Denver and Anschutz Medical Campus	40	275,573	299,230	308,023	290,443	277,209	266,147	289,757	305,473	326,254	347,899	343,792
Indiana U., Bloomington	41	67,483	69,298	72,501	82,005	80,109	206,263	216,917	241,350	245,402	304,116	338,696
Boston U.	42	298,467	300,923	273,204	265,476	254,285	256,562	250,523	253,828	264,281	313,670	333,387
U. Arizona	43	307,038	324,751	328,369	334,680	286,595	265,878	259,443	269,201	287,852	323,060	325,621
Oregon Health and Science U.	44	247,054	268,777	242,219	244,867	246,050	243,876	230,608	243,495	264,492	298,227	321,572
Michigan State U.	45	198,735	222,937	250,416	246,131	247,970	256,228	294,369	329,533	315,674	317,653	317,885
Baylor C. of Medicine	46	284,072	295,529	268,753	285,230	264,641	256,895	267,849	292,806	300,098	309,354	315,101
California Institute of Technology	47	325,751	340,131	322,295	272,223	276,447	269,156	260,489	272,323	268,765	278,846	309,386
U. Utah	48	226,489	263,623	271,629	297,099	284,125	270,311	224,270	218,405	302,586	282,157	306,629
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	304,486
U. Rochester	50	321,258	337,312	307,390	298,781	265,686	261,023	265,430	267,040	283,973	305,325	295,154
U. Cincinnati	51	261,982	286,003	266,507	256,816	243,705	250,457	229,761	239,659	246,400	249,656	283,059
U. Virginia, Charlottesville	52	224,607	239,249	225,558	212,051	192,907	186,676	198,760	215,193	231,161	257,013	282,429
Colorado State U., Fort Collins	53	205,890	230,661	245,573	213,355	206,958	213,685	227,624	232,405	257,355	276,173	276,863
Arizona State U.	54	164,890	178,153	182,188	190,066	186,126	186,890	200,280	214,845	244,795	253,530	262,377
Purdue U., West Lafayette	55	221,679	246,116	255,691	258,596	227,857	209,005	214,373	224,965	230,208	231,188	257,641
U. Iowa	56	280,089	280,989	265,780	252,161	234,122	223,730	236,363	236,679	243,216	248,639	255,617
Scripps Research Institute	57	313,746	317,201	309,471	308,628	292,268	274,097	242,489	250,090	267,088	267,122	243,502

TABLE 79

Federally financed higher education R&D expenditures in science and engineering fields, ranked by FY 2020 R&D expenditures: FYs 2010–20

(Dollars in thousands)

Institution	Rank	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
U. Texas Southwestern Medical Center	58	232,027	231,639	207,513	198,114	185,137	183,787	185,263	200,085	197,910	203,544	242,679
Utah State U.	59	89,750	112,611	107,054	106,074	114,075	119,811	124,981	137,295	158,576	219,912	241,433
Uniformed Services U. of the Health Sciences	60	72,125	117,781	102,134	119,647	213,389	299,007	175,007	204,241	218,702	297,808	235,202
North Carolina State U.	61	137,124	152,790	171,464	174,440	177,722	196,058	197,261	213,544	214,440	224,471	227,964
U. California, Irvine	62	189,343	204,134	204,062	196,256	180,431	170,622	170,674	178,789	192,182	207,234	225,967
U. Miami	63	196,435	223,870	222,535	204,315	202,818	192,691	194,346	193,549	191,408	211,493	223,774
Carnegie Mellon U.	64	179,136	200,878	209,307	215,560	198,247	187,259	190,620	189,974	181,958	197,927	217,481
U. Illinois, Chicago	65	229,131	245,323	243,622	219,473	201,646	192,930	175,302	188,730	189,322	200,926	215,990
Virginia Polytechnic Institute and State U.	66	161,636	187,269	181,371	197,462	198,092	191,080	190,975	181,379	195,140	206,208	208,952
Albert Einstein C. of Medicine	67	na	na	na	na	na	na	188,521	188,259	196,457	202,513	204,635
Princeton U.	68	149,164	162,491	160,985	156,070	163,805	157,867	161,562	175,485	179,659	192,747	202,447
U. Kentucky	69	167,192	175,801	157,813	148,758	140,450	145,097	152,708	168,347	168,968	189,860	197,848
SUNY, U. Buffalo	70	164,477	176,923	186,747	200,212	185,144	174,146	180,095	184,313	183,124	178,458	195,829
U. Massachusetts, Medical School	71	178,293	208,244	202,149	189,159	183,582	183,588	181,446	200,232	194,953	197,388	192,938
Woods Hole Oceanographic Institution	72	153,066	165,819	161,115	158,672	177,616	172,995	166,010	148,491	163,003	184,995	191,186
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	186,488
Brown U.	74	120,749	123,649	127,665	120,977	125,005	127,886	131,751	141,864	161,384	175,849	183,180

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Federally financed higher education R&D expenditures in science and engineering fields, ranked by FY 2020 R&D expenditures: FYs 2010–20

(Dollars in thousands)

Institution	Rank	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
U. Oklahoma, Norman and Health Science Center	75	100,065	112,146	124,131	119,762	108,356	122,918	128,260	126,510	142,470	159,640	179,640
U. Georgia	76	117,225	134,200	133,525	127,487	122,145	127,825	138,374	153,279	144,926	156,628	167,347
Wake Forest U.	77	159,084	173,004	172,779	156,506	153,069	148,084	140,651	147,746	154,031	165,439	166,480
U. Hawaii, Manoa	78	196,275	201,700	193,722	225,263	202,574	199,818	189,683	181,750	166,398	167,432	163,091
Oregon State U.	79	135,081	146,069	155,667	148,174	143,815	150,625	156,437	157,708	166,354	162,781	161,646
Iowa State U.	80	108,181	116,109	117,144	120,934	115,285	113,443	124,242	125,607	145,241	145,541	161,153
U. Connecticut	81	128,700	141,252	150,402	146,400	139,594	135,349	143,955	141,977	139,022	153,496	160,763
U. New Mexico	82	147,003	161,950	159,302	155,684	151,082	151,619	153,100	159,583	167,315	156,865	158,882
George Washington U.	83	120,844	115,463	111,068	119,441	139,148	135,667	138,735	144,567	153,412	152,562	154,026
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	153,802
U. Dayton	85	72,567	69,847	64,369	66,396	63,881	74,548	97,635	112,584	130,488	152,545	153,215
U. Kansas	86	137,458	143,300	147,052	147,557	131,186	128,374	117,549	126,109	130,036	141,679	151,987
Temple U.	87	76,170	85,021	85,062	124,764	118,892	119,945	134,132	143,636	141,505	150,201	146,564
SUNY, Stony Brook U.	88	120,090	124,938	123,198	118,432	111,386	115,031	118,296	125,150	134,802	143,258	145,526
Tufts U.	89	115,159	120,864	120,042	112,495	115,046	120,181	124,363	138,004	128,404	136,088	145,473
U. South Florida, Tampa	90	219,634	220,931	218,772	207,441	205,155	196,215	210,823	234,871	163,013	164,662	142,086
Florida State U.	91	127,571	136,332	131,998	132,583	140,995	133,569	118,294	118,359	129,435	131,472	141,229
Dartmouth C. and Dartmouth Hitchcock Medical Center	92	117,909	131,518	147,218	154,917	145,080	145,807	138,641	136,977	139,692	153,969	141,040
U. Delaware	93	102,637	112,523	110,760	114,048	111,933	109,258	108,378	113,031	113,582	128,651	139,682
U. Missouri, Columbia	94	113,362	113,072	110,446	108,305	102,784	102,852	116,337	122,821	126,164	128,293	137,029
U. Tennessee, Knoxville ^c	95	83,491	99,712	103,147	104,558	106,778	101,608	106,930	115,320	116,028	121,549	136,741
Virginia Commonwealth U.	96	125,713	134,431	124,836	119,293	119,507	123,665	124,962	127,341	122,771	125,393	135,266

TABLE 79

Federally financed higher education R&D expenditures in science and engineering fields, ranked by FY 2020 R&D expenditures: FYs 2010–20

(Dollars in thousands)

Institution	Rank	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Washington State U.	97	105,333	115,775	120,146	119,921	112,568	121,627	122,275	133,308	131,229	137,424	135,023
U. Texas Health Science Center, Houston	98	150,324	156,790	146,424	144,235	136,145	125,890	121,098	124,461	128,232	132,647	133,624
Northeastern U.	99	56,727	65,757	75,733	82,587	77,401	78,379	78,668	90,190	109,443	122,663	131,752
Medical C. Wisconsin	100	121,750	133,929	125,325	116,765	111,241	109,542	108,529	108,276	111,273	119,036	128,783
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	121,120
Mississippi State U.	102	105,224	97,987	96,132	73,834	70,615	79,181	86,570	87,435	88,365	103,546	119,093
U. Texas Medical Branch	103	128,840	128,098	109,867	108,287	101,761	98,050	100,464	104,458	104,356	107,806	114,103
U. Massachusetts, Amherst	104	97,131	106,315	106,470	103,233	102,682	97,206	97,576	101,992	103,555	110,063	112,546
Wayne State U.	105	131,418	133,925	125,965	118,217	112,608	108,221	109,460	106,865	107,791	114,349	108,536
Tulane U.	106	106,021	110,222	101,130	97,873	94,287	84,143	89,028	93,747	102,090	104,187	107,216
U. Nebraska, Medical Center	107	80,784	86,295	84,196	80,750	76,195	71,918	76,221	84,814	93,463	102,604	105,158
U. Nebraska, Lincoln	108	97,538	106,575	105,440	98,534	93,190	94,763	93,532	99,956	102,078	108,207	104,794
U. Alabama, Huntsville	109	71,461	70,197	75,715	83,396	73,913	66,564	68,882	68,259	74,315	84,689	103,599
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	102,959
U. Notre Dame	111	61,645	79,003	82,244	79,268	79,192	82,615	85,870	90,038	92,144	102,335	99,743
U. Alaska, Fairbanks	112	97,889	103,677	97,472	92,602	83,483	78,985	87,829	95,467	93,562	91,405	99,572
George Mason U.	113	59,591	61,016	57,504	57,154	53,775	54,113	50,687	52,432	64,315	91,377	99,332
Georgetown U.	114	119,509	122,802	113,229	113,703	99,567	87,268	82,819	93,224	88,778	93,004	98,138
U. Central Florida	115	67,795	66,736	72,620	68,691	64,323	81,788	80,365	82,777	89,504	90,851	97,826
Florida International U.	116	52,784	61,687	54,204	57,858	68,946	67,293	68,539	66,351	80,417	90,067	97,758
U. Vermont	117	98,588	101,465	87,843	85,028	79,727	83,733	83,124	78,383	86,936	90,378	97,676

TABLE 79

Federally financed higher education R&D expenditures in science and engineering fields, ranked by FY 2020 R&D expenditures: FYs 2010–20

(Dollars in thousands)

Institution	Rank	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
U. New Hampshire	118	76,191	96,552	109,728	92,778	89,640	83,106	89,457	85,714	87,854	84,599	94,554
U. South Carolina, Columbia	119	119,890	100,045	93,237	87,562	87,844	84,723	88,231	89,565	80,948	88,052	90,313
U. California, Riverside	120	58,159	59,351	61,304	57,032	56,327	62,642	69,924	75,920	75,990	79,666	90,235
Louisiana State U., Baton Rouge	121	94,611	96,050	91,238	93,281	93,584	82,276	84,954	80,044	83,453	87,498	86,975
Rice U.	122	69,176	78,249	76,431	79,742	73,782	73,817	82,643	83,894	77,607	83,105	86,675
Rockefeller U.	123	88,705	97,710	84,616	80,384	81,820	81,949	80,667	86,763	87,231	84,566	86,280
Montana State U., Bozeman	124	84,735	78,431	78,409	66,451	66,770	62,827	61,490	66,449	67,705	80,955	84,960
U. Louisville	125	83,593	84,557	79,252	72,047	63,258	66,368	69,781	69,722	77,281	83,421	83,626
New Jersey Institute of Technology	126	47,832	52,873	57,513	55,017	51,853	50,554	63,322	64,840	78,313	87,588	82,331
U. Mississippi	127	69,031	72,456	72,855	62,816	63,070	58,797	63,372	61,232	62,721	72,731	80,923
Drexel U.	128	75,339	81,424	85,584	74,047	75,557	67,226	65,193	69,326	80,074	81,957	77,965
West Virginia U.	129	74,465	84,061	77,981	72,677	67,450	66,608	70,313	70,256	73,518	79,320	77,455
Kansas State U.	130	66,400	74,414	73,247	67,524	64,565	66,632	67,863	72,321	77,730	78,878	76,164
U. California, Santa Cruz	131	81,598	95,015	91,409	88,600	89,206	91,249	93,651	65,133	62,218	73,635	75,813
Thomas Jefferson U.	132	77,817	80,027	68,976	56,247	54,676	58,536	58,866	62,029	64,869	74,816	74,653
Clemson U.	133	59,374	49,365	48,182	47,825	44,673	45,292	52,184	62,920	66,618	72,335	74,438
Auburn U., Auburn	134	53,648	59,061	55,118	56,809	49,739	47,939	54,258	54,693	57,718	63,660	72,844
U. Arkansas for Medical Sciences	135	72,217	75,924	69,883	64,856	55,556	50,603	48,999	51,298	57,523	63,498	70,508
U. Houston	136	50,148	57,090	54,657	57,569	55,574	54,516	58,085	57,263	62,134	66,848	68,987
U. Oregon	137	66,809	71,344	71,157	61,856	62,824	56,448	55,137	57,092	56,403	63,912	66,182
SUNY, U. Albany	138	123,404	124,848	112,161	113,736	104,861	78,824	74,092	82,551	84,561	91,225	66,162
U. Rhode Island	139	60,963	77,668	78,194	70,900	61,836	61,085	58,438	59,623	61,135	69,913	65,860
Rush U.	140	51,304	57,978	57,512	57,063	53,501	52,193	50,332	51,532	64,178	68,941	65,343

TABLE 79

Federally financed higher education R&D expenditures in science and engineering fields, ranked by FY 2020 R&D expenditures: FYs 2010–20

(Dollars in thousands)

Institution	Rank	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
U. Nevada, Reno	141	58,115	55,374	55,150	53,898	50,904	49,977	51,630	53,438	59,879	60,967	63,827
Georgia State U.	142	23,732	21,980	27,251	28,216	29,470	36,843	40,897	54,842	55,241	54,882	62,835
Cold Spring Harbor Laboratory	143	ne	51,529	43,874	41,002	41,845	49,063	50,478	54,260	67,139	73,854	62,068
New Mexico State U.	144	98,050	90,283	90,338	86,546	80,247	78,253	61,494	59,087	53,417	57,183	60,056
U. Montana, Missoula	145	40,116	38,176	35,590	33,825	30,164	33,617	38,726	44,465	51,975	52,919	58,745
U. Maryland, Baltimore County	146	58,597	61,110	44,669	44,257	46,993	47,591	50,645	52,008	52,934	54,740	58,178
U. Wyoming	147	44,026	47,782	55,663	52,296	39,778	47,232	63,223	56,178	42,538	51,657	56,078
Augusta U.	148	na	na	na	47,913	47,771	50,585	50,294	48,921	48,800	47,031	55,797
U. Texas, Dallas	149	30,019	32,355	34,088	31,903	32,096	30,776	34,532	35,244	39,010	47,443	55,225
Colorado School of Mines	150	28,416	31,414	31,399	31,585	33,908	33,578	34,708	36,650	39,311	48,593	53,875
Cleveland State U.	151	24,894	42,292	46,205	50,002	44,139	41,721	49,659	52,317	54,987	50,982	53,234
U. Maine	152	48,270	59,644	39,428	33,903	50,338	35,033	34,125	37,189	45,206	49,832	52,755
Wichita State U.	153	13,633	15,425	14,267	10,161	8,100	6,397	7,947	19,507	16,522	26,633	50,042
U. Idaho	154	45,082	52,812	53,765	52,430	49,423	49,591	50,083	48,879	47,475	48,462	49,818
Naval Postgraduate School	155	86,765	88,950	120,209	86,538	89,284	71,987	50,560	42,246	41,151	49,168	48,709
U. Tennessee, Health Science Center	156	52,650	51,840	48,473	42,269	41,830	39,356	38,374	39,138	39,421	42,396	48,264
Rensselaer Polytechnic Institute	157	54,559	58,951	62,063	60,765	58,940	59,417	48,887	47,749	46,385	47,245	47,934
U. Arkansas, Fayetteville	158	32,659	37,203	34,123	30,562	26,014	33,486	39,527	42,198	48,288	46,871	45,196
U. Texas, Arlington	159	29,671	28,190	30,473	28,588	24,079	26,858	24,853	30,588	34,063	39,198	42,157

TABLE 79

Federally financed higher education R&D expenditures in science and engineering fields, ranked by FY 2020 R&D expenditures: FYs 2010–20

(Dollars in thousands)

Institution	Rank	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
U. North Dakota	160	52,381	53,913	54,411	46,397	40,191	37,457	42,253	40,845	48,858	47,235	42,021
U. Southern Mississippi	161	36,729	40,764	34,487	28,324	25,956	24,710	23,952	26,104	30,331	45,687	41,791
Brandeis U.	162	43,282	47,793	44,061	43,963	45,800	46,764	47,708	44,819	37,371	40,333	40,815
U. Massachusetts, Lowell	163	24,475	26,802	25,670	25,441	25,874	28,998	26,499	28,078	28,982	33,948	40,037
San Diego State U.	164	53,746	59,769	51,690	45,175	44,807	43,526	42,062	37,226	37,873	37,595	39,049
Northern Arizona U.	165	14,990	17,687	15,946	15,533	18,044	20,111	22,997	25,615	29,137	35,156	38,492
Oklahoma State U., Stillwater	166	56,998	81,855	85,876	44,200	36,687	38,498	41,186	42,331	40,052	38,757	38,419
U. Texas, El Paso	167	34,439	34,765	39,274	37,741	34,528	40,334	41,384	43,759	43,214	40,111	37,495
U. Alabama, Tuscaloosa	168	25,945	32,387	32,515	27,963	25,477	28,029	27,019	24,344	27,660	33,233	37,198
Michigan Technological U.	169	27,407	32,508	32,835	31,734	30,214	28,581	29,609	28,332	32,366	34,488	35,912
Wright State U.	170	24,785	27,422	25,519	26,496	27,523	26,814	30,093	35,514	43,359	41,362	35,267
Saint Louis U.	171	33,655	38,206	35,841	31,230	29,396	27,343	26,323	27,005	27,694	33,941	34,163
U.S. Air Force Academy	172	43,803	60,292	36,316	42,303	32,284	29,417	44,567	34,664	27,650	34,940	33,308
U. Texas, San Antonio	173	27,036	28,011	29,168	28,066	22,518	23,108	24,493	28,650	28,943	32,986	32,512
Stevens Institute of Technology	174	26,366	31,269	25,794	23,004	22,130	25,054	28,090	26,438	25,521	27,703	32,141
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	32,061
Mercer U.	176	18,778	17,904	19,963	19,411	19,666	21,563	21,120	19,772	18,999	27,035	31,572
Louisiana State U., Health Sciences Center, New Orleans	177	46,142	45,581	40,637	36,886	34,637	36,027	31,526	28,018	26,988	31,290	31,381

TABLE 79

Federally financed higher education R&D expenditures in science and engineering fields, ranked by FY 2020 R&D expenditures: FYs 2010–20

(Dollars in thousands)

Institution	Rank	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
North Dakota State U.	178	51,198	52,543	45,326	37,128	35,308	35,037	34,792	34,134	34,485	34,693	31,109
Indiana U.-Purdue U., Indianapolis	179	147,375	154,966	165,374	151,962	142,589	18,090	19,507	19,630	22,071	25,672	30,102
CUNY, City C.	180	32,170	39,064	39,063	39,756	39,860	37,900	37,359	34,718	36,402	32,975	30,038
Florida A&M U.	181	26,311	30,771	27,951	28,446	25,313	26,700	28,021	27,899	29,861	32,117	30,022
Texas Tech U.	182	32,680	32,881	27,698	25,153	26,161	25,458	24,586	23,426	24,503	29,857	29,685
Howard U.	183	32,211	35,632	37,336	33,403	32,052	38,051	32,967	33,893	32,573	29,422	28,785
U. Nevada, Las Vegas	184	31,497	29,642	24,567	23,980	26,585	26,970	24,683	28,460	32,711	27,172	28,187
SUNY, Polytechnic Institute	185	na	na	na	na	21,208	14,641	21,380	41,247	41,753	38,222	27,993
Syracuse U.	186	26,971	25,272	25,327	22,564	24,163	26,769	28,793	31,902	33,045	32,143	27,538
U. Toledo	187	36,984	42,680	38,563	37,539	31,648	26,428	24,860	22,371	25,056	27,802	27,412
U. Puerto Rico, Medical Sciences Campus	188	29,813	54,381	35,173	31,037	30,197	31,889	33,348	29,869	30,597	34,570	27,033
Old Dominion U.	189	30,534	34,084	31,877	30,478	30,568	27,857	27,556	32,898	28,792	27,633	26,904
SUNY, Downstate Medical Center	190	25,023	33,964	34,884	31,972	25,802	20,779	25,941	22,496	26,302	26,914	26,454
U. North Carolina, Charlotte	191	15,444	14,358	16,997	18,257	16,637	17,028	18,733	19,436	21,366	24,917	26,335
U. Louisiana, Lafayette	192	12,060	11,879	12,435	10,007	9,050	10,315	9,479	14,953	20,766	30,341	25,919
U. North Texas, Health Science Center	193	25,847	26,132	26,627	24,187	21,943	22,422	27,163	26,368	27,579	27,260	25,917
Lehigh U.	194	22,084	20,485	20,419	20,878	20,677	20,680	19,512	22,640	23,649	24,282	25,574
William & Mary	195	22,478	23,502	25,349	24,619	27,232	27,722	28,771	28,062	27,836	27,112	25,460
Worcester Polytechnic Institute	196	12,705	14,773	12,161	16,275	18,310	25,743	24,854	18,559	18,084	22,144	25,320
Boston C.	197	31,351	23,845	23,685	22,780	19,462	17,409	23,184	26,937	27,674	28,017	25,213

TABLE 79

Federally financed higher education R&D expenditures in science and engineering fields, ranked by FY 2020 R&D expenditures: FYs 2010–20

(Dollars in thousands)

Institution	Rank	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Boise State U.	198	14,237	18,423	19,446	15,181	15,183	17,562	16,112	18,754	23,157	22,354	25,121
Portland State U.	199	25,853	29,660	30,090	27,899	26,147	23,389	25,310	23,645	23,437	26,301	24,752
U. Wisconsin-Milwaukee	200	23,641	28,336	26,424	23,872	23,726	24,222	22,519	21,673	24,348	22,909	24,713
Illinois Institute of Technology	201	27,780	33,016	27,515	28,255	25,506	25,479	23,542	26,191	27,742	28,753	24,152
Rochester Institute of Technology	202	19,493	18,546	17,435	16,186	16,765	17,479	22,545	23,913	22,692	22,195	24,079
SUNY, Binghamton U.	203	20,766	20,443	20,151	16,749	14,757	16,038	18,363	20,601	22,964	23,626	24,027
SUNY, Upstate Medical U.	204	27,959	28,663	27,013	23,730	21,334	19,213	18,942	19,991	20,391	22,028	23,940
CUNY, Hunter C.	205	17,543	21,191	22,078	21,465	18,825	19,018	19,597	18,179	20,053	21,188	23,638
Loyola U., Chicago	206	27,953	27,588	27,786	32,008	29,989	27,380	24,916	22,861	21,131	22,919	23,277
Air Force Institute of Technology	207	13,514	18,986	17,919	17,614	16,342	16,369	19,660	25,558	23,393	21,856	22,854
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	22,337	22,853
Brigham Young U., Provo	209	18,373	19,741	17,381	19,931	20,214	20,769	24,791	23,631	21,367	21,977	22,789
Florida Atlantic U.	210	16,457	14,793	14,926	12,480	12,317	10,402	14,443	16,430	18,076	21,050	22,787
New Mexico Institute of Mining and Technology	211	42,243	37,316	29,894	23,581	33,168	19,975	16,657	18,271	19,437	22,771	22,598
Morehouse School of Medicine	212	25,855	28,128	31,786	34,511	33,020	30,012	28,678	28,792	24,326	22,461	22,500
South Dakota State U.	213	38,309	41,876	41,941	33,226	29,454	28,488	29,605	27,940	27,013	29,530	22,387
U. Nebraska, central administration	214	ne	ne	ne	ne	ne	ne	ne	ne	12,561	17,360	22,246

TABLE 79

Federally financed higher education R&D expenditures in science and engineering fields, ranked by FY 2020 R&D expenditures: FYs 2010–20

(Dollars in thousands)

Institution	Rank	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Catholic U. of America	215	15,837	19,651	17,350	17,154	17,061	19,548	19,451	19,364	20,423	21,408	22,244
U. Missouri, Kansas City	216	16,139	18,748	17,219	15,406	14,613	12,810	12,739	11,145	10,396	18,400	21,921
U. South Alabama	217	14,343	16,259	13,294	13,361	13,478	15,025	17,131	15,856	14,572	19,383	21,359
U. California, Merced	218	9,192	9,744	10,741	10,733	10,506	12,607	12,166	14,660	14,041	16,513	19,505
North Carolina Agricultural and Technical State U.	219	23,878	22,499	21,468	20,956	22,609	21,802	19,808	23,046	22,212	20,924	19,170
Van Andel Research Institute	220	ne	ne	ne	ne	ne	8,138	11,970	13,108	14,285	18,259	18,538
Loma Linda U.	221	27,175	30,899	23,447	24,991	19,044	21,082	16,118	15,192	15,790	16,909	17,457
East Carolina U.	222	15,587	17,636	16,946	17,789	16,992	14,926	13,057	11,386	11,654	15,544	16,583
California State U., Northridge	223	11,122	8,729	13,965	7,778	11,007	10,889	10,136	12,952	13,822	15,543	16,478
U. Memphis	224	17,726	16,738	19,113	15,747	18,344	16,250	16,784	16,958	23,463	17,074	15,927
U. Puerto Rico, Mayaguez	225	12,505	18,269	19,536	13,830	13,638	15,313	14,403	13,585	14,092	15,653	15,842
Desert Research Institute	226	28,307	28,489	27,294	22,814	19,932	16,511	18,883	18,839	17,911	16,745	15,791
San Francisco State U.	227	15,407	17,337	17,075	18,638	16,753	14,336	12,277	13,782	13,346	15,149	15,783
Eastern Virginia Medical School	228	29,291	25,319	24,694	28,728	28,532	28,637	21,459	21,209	21,356	19,408	15,748
Southern Methodist U.	229	12,142	17,819	15,839	13,516	18,427	11,806	12,910	11,978	11,568	15,219	15,559
Ohio U.	230	18,209	21,938	20,340	20,134	16,425	17,140	14,421	16,017	13,512	14,453	15,466
Rowan U.	231	1,737	2,071	2,295	1,875	4,588	4,665	5,239	7,110	9,568	11,909	15,276
U. Alaska, Anchorage	232	8,485	9,352	10,041	8,799	7,212	8,015	11,282	11,592	12,530	13,665	15,128
Tuskegee U.	233	10,986	11,033	11,243	13,132	14,102	12,265	10,386	10,386	10,386	14,825	15,122

TABLE 79

Federally financed higher education R&D expenditures in science and engineering fields, ranked by FY 2020 R&D expenditures: FYs 2010–20

(Dollars in thousands)

Institution	Rank	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
U. Massachusetts, Boston	234	17,787	15,040	17,649	13,471	14,544	15,464	17,326	16,308	16,852	16,117	15,007
Rutgers, State U. New Jersey, Newark	235	12,243	17,503	19,296	12,420	11,014	11,118	12,662	15,171	15,129	14,063	14,725
U. Maryland Center for Environmental Science	236	12,123	18,007	16,081	16,852	13,202	11,993	12,156	14,482	14,276	16,573	14,622
U. Denver	237	10,180	10,463	9,135	10,082	8,794	8,134	8,895	9,681	12,938	13,157	14,551
Morgan State U.	238	10,035	9,878	15,279	13,301	14,131	12,693	14,305	13,215	11,450	11,844	14,016
U. Puerto Rico, Rio Piedras	239	21,130	24,336	24,867	17,190	17,489	18,177	15,870	11,137	9,826	13,670	13,767
Jackson State U.	240	34,927	36,460	33,342	27,285	19,898	18,449	19,934	18,997	16,990	16,156	13,560
American U.	241	6,263	6,549	5,254	5,613	7,426	8,444	8,280	7,601	11,237	13,762	13,491
Kent State U.	242	13,311	13,334	13,425	10,009	9,350	9,594	8,733	9,204	10,265	12,576	13,406
U. Hawaii, system office	243	ne	ne	ne	ne	ne	ne	ne	ne	12,328	12,052	13,367
Texas State U.	244	6,815	5,971	6,770	11,088	9,696	11,318	9,786	10,739	12,298	13,503	13,298
Marquette U.	245	9,115	10,898	9,557	8,491	7,988	9,139	10,136	10,111	10,451	12,613	12,981
Texas Tech U., Health Sciences Center	246	12,950	14,790	13,944	14,804	9,480	9,949	9,943	8,995	7,477	11,262	12,977
Albany Medical C.	247	15,758	13,884	11,845	10,278	9,716	9,481	10,714	11,040	10,243	11,827	12,940
U. South Dakota	248	16,353	14,337	13,601	14,991	11,932	8,464	8,827	11,117	12,346	13,312	12,899
Southern Illinois U., Carbondale	249	22,209	23,696	22,055	18,398	16,288	14,895	14,574	13,421	12,733	12,625	12,735
U. Texas Rio Grande Valley	250	na	na	na	na	na	na	16,821	14,766	13,308	13,320	12,590
Meharry Medical C.	251	24,302	26,779	23,467	21,135	17,754	13,068	13,528	15,613	14,515	16,443	12,573

TABLE 79

Federally financed higher education R&D expenditures in science and engineering fields, ranked by FY 2020 R&D expenditures: FYs 2010–20

(Dollars in thousands)

Institution	Rank	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Texas A&M U.-Corpus Christi	252	7,647	7,225	5,387	5,990	7,085	9,155	7,078	9,057	11,694	13,131	12,453
Delaware State U.	253	9,967	11,901	11,053	11,802	12,464	12,075	14,613	13,909	12,039	11,936	12,436 i
U.S. Naval Academy	254	10,750	10,243	8,868	10,142	10,216	8,978	11,006	12,946	13,331	12,851	12,281
Missouri State U.	255	6,051	4,756	3,697	3,129	3,027	3,141	2,633	2,659	3,977	4,907	12,232
CUNY, Queens C.	256	13,496	15,491	14,829	14,689	15,809	13,532	13,966	11,780	11,882	12,862	12,208
New York Medical C.	257	21,095	21,013	16,471	13,806	11,421	11,326	10,772	9,000 i	8,141 i	11,061 i	12,106
U. North Texas, Denton	258	11,997	12,255	15,921	14,974	15,054	14,286	11,524	14,043	17,514	16,094	12,019
North Carolina Central U.	259	6,870	9,043	10,573	7,750	9,320	10,293	9,691	10,627	10,728	12,235	11,883
California State U., Long Beach	260	12,096	11,570 i	11,044 i	10,517	7,689	6,047	10,960	12,991	13,704	13,380	11,846
U. of the Virgin Islands	261	27,291	15,717 i	22,605	15,627	10,475 i	19,456	20,951	10,701	10,748	9,903	11,778
Louisiana State U., Health Sciences Center, Shreveport	262	13,890	15,316	13,504	11,753	8,490	6,321	6,478	7,055	9,235	12,185	11,452
Embry-Riddle Aeronautical U.	263	8,241	9,257	12,126	9,906	12,614	9,940	13,957	10,501	12,584	8,890	11,391
Ponce Health Sciences U.	264	7,569	9,318	10,486	6,249	4,960	6,729	6,951	7,108	6,386	8,339	11,228
Marshall U.	265	18,218	21,433	13,154	13,468	12,684	11,080	9,077	9,036	8,519	9,579	11,070
Hampton U.	266	14,455	12,292	15,290	12,620	11,153	14,619	13,572	15,908	13,669	12,943	10,842
Northeast Ohio Medical U.	267	4,009	4,081	3,816	5,244	6,582	7,607	9,181	10,043	9,743	10,107	10,684
South Dakota School of Mines and Technology	268	25,172	28,051	14,338	7,853	7,029	9,286	10,370	10,639	10,240	9,283	10,659
U. North Carolina, Greensboro	269	10,857	12,155	10,943	10,520	10,589	11,106	12,279	10,845	10,441	11,527	10,579

TABLE 79

Federally financed higher education R&D expenditures in science and engineering fields, ranked by FY 2020 R&D expenditures: FYs 2010–20

(Dollars in thousands)

Institution	Rank	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
U. Akron	270	11,943	12,833	16,605	19,600	20,187	14,510	25,362	16,124	12,280	11,627	10,509
Nova Southeastern U.	271	5,669	6,829	6,570	5,334	5,906	5,856	6,922	7,672	7,772	8,911	10,452
Florida Institute of Technology	272	8,903	7,387	7,189	7,112	7,706	8,251	8,714	8,440	8,333	10,043	10,448
California State U., San Marcos	273	3,548	3,548	3,548	3,550	3,177	3,709	4,591	4,869	6,373	8,007	10,310
Charles R. Drew U. of Medicine and Science	274	20,430	20,679	19,733	17,144	19,412	12,992	12,089	14,461	10,198	10,427	9,863
California Polytechnic State U., San Luis Obispo	275	11,396	8,296	9,618	9,442	8,903	9,651	10,966	10,035	9,313	9,574	9,765
Xavier U. Louisiana	276	5,669	6,673	7,177	5,856	7,077	7,735	10,487	10,901	9,971	8,526	9,628
U. Guam	277	4,962	5,242	5,311	5,390	6,321	5,455	6,576	8,051	8,425	9,104	9,364
CUNY, Advanced Science Research Center	278	na	na	na	na	na	257	ne	2,355	4,027	6,859	9,208
Prairie View A&M U.	279	8,623	11,041	10,561	9,077	8,259	7,958	7,896	8,674	8,386	9,246	9,134
Miami U.	280	11,546	11,476	12,447	11,314	10,311	9,278	7,699	7,568	7,924	7,680	8,829
CUNY, Graduate School of Public Health and Health Policy	281	na	na	na	na	na	na	na	na	5,080	5,572	8,722
Baylor U.	282	2,842	3,386	3,289	3,435	3,991	3,839	4,214	5,255	5,749	6,885	8,684
U. Nebraska, Omaha	283	4,128	5,034	5,589	5,230	4,979	4,484	6,657	7,038	7,043	7,655	8,626
Langston U.	284	3,313	3,778	3,957	4,153	5,816	5,621	8,941	7,960	7,146	6,331	8,584
Rosalind Franklin U. of Medicine and Science	285	8,350	9,317	10,084	11,202	9,754	9,368	8,478	8,828	9,249	8,865	8,504

TABLE 79

Federally financed higher education R&D expenditures in science and engineering fields, ranked by FY 2020 R&D expenditures: FYs 2010–20

(Dollars in thousands)

Institution	Rank	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Tennessee State U.	286	6,936	7,732	9,393	9,354	11,886	10,920	11,590	9,226	9,336	8,449	8,487
Texas A&M U.-Kingsville	287	5,067	4,765	4,980	4,988	6,415	5,483	5,910	5,827	5,640	6,874	8,253
California State U., Los Angeles	288	7,027	8,296	6,739	6,948	4,788	3,794	3,452	6,499	8,530	9,088	8,088
U. Maryland, Eastern Shore	289	8,583	8,587	6,955	8,511	8,902	9,284	7,853	7,265	4,890	6,983	8,084
U.S. Military Academy	290	19,763	i 12,314	11,702	11,612	13,247	13,135	12,281	7,247	6,313	6,432	8,068
U. Texas Health Science Center, Tyler	291	ne	ne	ne	ne	ne	3,713	3,757	5,792	6,438	i 7,084	i 7,732
SUNY, C. of Environmental Science and Forestry	292	8,907	8,732	i 8,557	i 8,382	i 5,564	i 7,784	8,109	7,658	6,854	7,632	7,718
Idaho State U.	293	13,591	16,821	15,711	12,738	10,566	11,510	11,827	11,084	9,737	7,222	7,693
Teachers C., Columbia U.	294	6,478	8,433	10,120	8,492	8,909	12,666	11,373	10,194	8,925	8,054	7,614
Creighton U.	295	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 7,444
Central Michigan U.	296	2,301	4,315	4,965	5,325	5,982	5,108	4,883	5,550	7,121	8,100	7,429
East Tennessee State U.	297	6,121	7,705	8,052	6,825	4,865	4,664	5,655	5,870	7,168	7,688	7,329
Chapman U.	298	1,429	1,215	1,465	2,227	2,170	2,348	2,951	3,414	3,780	5,359	7,313
Norfolk State U.	299	5,413	6,345	7,739	5,465	6,381	4,918	6,947	7,101	6,877	7,935	7,121
Alcorn State U.	300	9,256	8,655	8,598	8,321	7,447	6,784	6,387	8,634	7,372	7,540	7,023
Louisiana Tech U.	301	9,715	10,351	8,296	7,593	6,577	5,433	5,013	5,438	5,710	6,303	7,000
Clarkson U.	302	9,408	9,531	7,061	5,275	5,462	5,436	6,183	6,538	7,814	8,350	6,876
U. Arkansas, Little Rock	303	6,578	7,995	7,894	6,076	4,559	3,736	4,473	4,220	4,942	6,114	6,660
U. Minnesota, Duluth	304	6,427	8,372	7,560	7,264	5,940	10,025	8,055	6,033	5,520	7,082	6,393
Tennessee Technological U.	305	6,958	5,119	4,154	3,566	3,662	3,508	4,015	4,808	5,269	5,996	6,338

TABLE 79

Federally financed higher education R&D expenditures in science and engineering fields, ranked by FY 2020 R&D expenditures: FYs 2010–20

(Dollars in thousands)

Institution	Rank	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
U. Massachusetts, Dartmouth	306	11,236	12,253	10,329	8,076	8,413	7,134	6,463	7,118	6,595	6,957	6,066
Northern Illinois U.	307	16,907	11,226	12,311	12,178	8,697	8,915	9,679	6,164	6,925	6,705	6,025
U. North Carolina, Wilmington	308	13,026	12,933	10,032	7,599	4,480	4,519	4,595	4,834	5,001	6,405	5,984
U. Missouri, Saint Louis	309	5,886	8,214	7,990	6,821	5,293	3,984	4,343	4,710	5,889	6,759	5,840
Alabama A&M U.	310	22,154	21,355	21,322	21,290	21,257	21,222	17,863	14,566	11,267	7,968	5,432
Western Michigan U. and Homer Stryker M.D. School of Medicine	311	10,120	11,444	8,295	7,547	7,185	7,216	6,863	7,447	6,948	5,654	5,374
California State Polytechnic U., Pomona	312	2,523	2,964	2,635	2,945	2,165	1,826	2,199	3,225	4,181	3,131	5,300
U. Hawaii, Hilo	313	10,491	5,243	14,195	10,989	8,522	12,718	9,401	5,461	5,264	4,924	5,274
Clark Atlanta U.	314	7,229	7,040	8,447	7,576	7,241	7,439	6,017	5,752	5,611	5,550	5,213
U. New England	315	2,829	3,242	3,359	4,271	4,762	4,856	5,298	5,918	4,976	5,269	5,064
Oakland U.	316	7,024	9,001	8,168	6,855	5,986	5,339	6,154	6,414	5,733	6,690	5,058
DePaul U.	317	3,874	4,601	4,800	4,236	4,818	4,436	4,601	5,393	4,496	4,331	5,024
California State U., Sacramento	318	5,032	6,145	4,878	6,893	4,769	5,148	4,773	5,876	5,620	5,238	4,892
Fort Valley State U.	319	4,586	3,452	3,334	3,329	4,249	4,079	4,844	5,068	3,700	4,433	4,806
Arkansas State U., Jonesboro	320	6,169	8,591	9,595	6,268	3,849	4,315	4,826	4,396	4,371	4,867	4,712
Morehouse C.	321	7,704	8,280	8,856	9,169	6,919	5,836	4,199	3,663	4,365	4,427	4,686
Virginia State U.	322	5,080	5,642	6,852	6,108	5,321	4,848	5,017	4,357	4,814	5,486	4,630
Duquesne U.	323	5,032	5,103	4,614	3,289	3,980	4,394	4,973	4,959	4,944	4,316	4,579
St. Edward's U.	324	ne	3,073	2,450	2,640	1,633	4,200	3,600	5,560	1,596	4,893	4,568
Bowling Green State U.	325	4,963	6,162	6,957	9,287	6,520	4,067	4,221	3,565	3,275	3,878	4,555

TABLE 79

Federally financed higher education R&D expenditures in science and engineering fields, ranked by FY 2020 R&D expenditures: FYs 2010–20

(Dollars in thousands)

Institution	Rank	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
U. Tulsa	325	6,819	7,547	6,615	6,041	5,487	5,885	6,037	5,816	4,440	3,891	4,555
Villanova U.	327	6,367	6,817	5,518	4,218	5,008	4,563	4,334	3,968	3,955	3,956	4,476
Kentucky State U.	328	3,501	3,146	4,919	3,906	4,335	4,590	5,146	5,382	5,618	4,691	4,456
U. Arkansas, Pine Bluff	329	3,947	4,696	4,540	4,550	3,875	3,912	4,233	3,747	3,648	4,299	4,393
CUNY, Brooklyn C.	330	5,002	6,724	6,305	5,831	5,709	5,439	5,836	4,968	4,149	4,210	4,385
Montana Technological U.	331	5,321	4,999	3,293	3,507	3,202	3,420	3,916	5,019	4,691	4,926	4,322
California State U., Bakersfield	332	637	727	641	1,721	1,140	1,854	1,662	2,416	3,243	4,245	4,244
U. Detroit Mercy	333	629	602	508	ne	317	890	2,565	2,296	4,385	4,908	4,201
Tarleton State U.	334	6,379	6,036	5,086	3,525	3,565	3,801	4,484	4,602	4,288	4,632	4,139
California State U., Fullerton	335	6,710	7,957	6,477	6,264	6,325	4,640	3,651	3,865	4,610	4,117	4,102
Western U. of Health Sciences	336	885	900	1,268	1,130	1,368	1,099	2,299	2,714	2,562	2,573	4,055
Wellesley C.	337	3,406	2,461	2,895	3,130	3,579	2,971	5,065	3,725	3,668	3,447	4,024
West Virginia State U.	338	2,759	3,193	3,945	3,292	5,646	5,561	4,126	5,072	5,361	4,526	3,993
Dakota State U.	339	ne	402	3,555	831	908	765	1,448	1,989	3,273	3,006	3,957
U. Tennessee, Chattanooga	340	4,866	2,929	3,199	2,056	1,486	1,949	1,092	1,144	1,490	2,393	3,915
California State U., Monterey Bay	341	3,167	4,713	4,341	4,961	3,862	3,459	3,654	3,574	3,607	3,746	3,889
Western Washington U.	342	4,137	4,153	3,714	3,287	3,425	3,879	3,972	4,216	3,884	3,842	3,838
Fisk U.	343	7,686	4,631	4,058	5,429	7,366	7,123	7,512	4,327	2,781	4,473	3,811
U. of Health Sciences and Pharmacy in St. Louis	344	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	3,767
U. New Orleans	345	14,185	12,475	11,481	9,729	8,716	6,787	6,617	5,502	5,246	4,272	3,741

TABLE 79

Federally financed higher education R&D expenditures in science and engineering fields, ranked by FY 2020 R&D expenditures: FYs 2010–20

(Dollars in thousands)

Institution	Rank	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Illinois State U.	346	3,449	3,264	2,954	3,203	3,463	2,872	2,878	2,742	2,742	4,390	3,639
Lincoln U., Jefferson City	347	5,984	7,084	6,306	4,989	5,460	5,492	4,953	4,148	2,498	2,700	3,636
California State U., San Bernardino	348	2,119	6,212	5,914	5,633	6,004	5,628	5,920	5,423	5,436	5,991	3,574
Wesleyan U.	349	4,475	5,361	4,612	3,930	3,313	3,582	3,393	3,817	3,990	4,211	3,559
Clark U.	350	3,243	3,776	2,970	2,649	2,643	2,297	1,930	2,465	2,949	3,489	3,350
Winston-Salem State U.	351	ne	743	1,280	436	ne	ne	1,069	1,175	1,289	1,468	3,234
Youngstown State U.	352	2,067	3,304	2,159	1,825	1,867	2,346	1,083	3,257	3,634	2,878	3,190
South Carolina State U.	353	6,333	6,797	7,261	2,958	2,231	1,503	4,376	13,254	13,846	3,010	3,123
U. Colorado Colorado Springs	354	6,453	5,420	2,935	2,471	3,150	3,791	3,717	4,267	3,734	2,752	3,110
Central State U.	355	2,544	3,475	3,340	2,686	2,000	1,508	1,546	1,491	2,299	2,517	3,097
Toyota Technological Institute, Chicago	356	ne	496	ne	ne	ne	1,392	1,410	1,581	1,759	1,934	3,038
MGH Institute of Health Professions	357	ne	408	ne	ne	ne	3,766	2,228	1,839	2,957	3,494	3,014
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	3,004
Western Kentucky U.	359	6,606	6,079	5,639	4,161	2,916	2,983	3,346	3,285	2,860	3,128	2,977
Texas Southern U.	360	3,638	3,806	4,287	4,741	2,764	2,801	2,825	3,654	2,368	3,238	2,941
U. Washington, Tacoma	361	47	108	130	0	0	1,386	1,595	727	1,523	2,451	2,899
Texas Christian U.	362	2,161	2,483	3,253	3,767	3,690	3,291	2,671	2,523	2,311	2,211	2,840
Fordham U.	363	3,426	3,086	3,193	3,748	3,239	2,789	4,760	4,750	4,210	3,171	2,834
C. Charleston	364	10,105	4,438	5,259	5,354	4,114	4,863	5,026	5,020	3,653	3,689	2,781
Montclair State U.	365	1,113	2,552	3,265	2,944	1,900	2,116	2,301	1,974	2,942	3,050	2,766

TABLE 79

Federally financed higher education R&D expenditures in science and engineering fields, ranked by FY 2020 R&D expenditures: FYs 2010–20

(Dollars in thousands)

Institution	Rank	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
U. Central del Caribe	366	6,504	6,613	6,304	5,946	6,407	6,147	6,290	4,866	2,937	2,705	2,743
Barnard C.	367	2,702	3,226	3,122	2,530	2,190	2,166	2,794	2,645	2,291	2,701	2,680
Haverford C.	367	2,698	1,851	1,478	1,547	1,309	1,476	972	1,031	1,660	2,339	2,680
Florida Gulf Coast U.	369	2,661	2,740	1,902	1,553	1,153	1,139	1,377	1,105	764	944	2,639
CUNY, Lehman C.	370	2,348	2,700	2,208	1,874	2,247	2,371	3,625	3,713	4,177	2,181	2,614
Oklahoma State U., Center for Health Sciences	371	817	377	83	61	31	321	697	984	959	944	2,602
National Defense U.	372	ne	ne	ne	4,906	6,712	4,832	5,720	5,723	2,219	2,155	2,583
Alabama State U.	373	13,340	12,340	13,607	1,927	2,236	2,303	2,372	2,253	2,434	2,577	2,582
Southern U. and A&M C., Baton Rouge	374	5,920	6,057	6,194	3,998	2,714	3,258	2,778	2,812	2,902	2,680	2,567
Southern Illinois U., Edwardsville	375	4,140	3,946	2,808	2,896	2,066	2,111	3,077	3,472	2,907	2,951	2,564
Eastern Michigan U.	376	3,375	3,802	3,081	2,194	932	1,274	1,200	1,005	1,137	1,971	2,520
Smith C.	377	2,755	3,101	2,626	2,824	3,042	3,575	2,563	3,352	3,288	2,887	2,483
CUNY, John Jay C. of Criminal Justice	378	3,079	3,410	2,786	2,839	2,164	2,342	2,467	1,833	2,949	1,154	2,472
Sam Houston State U.	379	4,887	2,098	2,422	1,729	1,733	1,488	1,830	1,872	2,200	2,316	2,444
Humboldt State U.	380	2,965	3,292	3,575	2,819	2,498	3,280	4,455	3,796	3,024	2,103	2,399
U. South Carolina, Aiken	381	122	592	ne	937	759	689	1,155	2,697	2,437	2,063	2,328
Ball State U.	382	1,712	1,701	2,171	1,267	1,617	1,828	2,813	2,083	2,749	2,607	2,290
CUNY, C. Staten Island	383	949	1,470	1,242	1,302	1,241	1,021	1,694	1,524	1,737	2,120	2,262

TABLE 79

Federally financed higher education R&D expenditures in science and engineering fields, ranked by FY 2020 R&D expenditures: FYs 2010–20

(Dollars in thousands)

Institution	Rank	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	
U. Michigan, Dearborn	384	2,801	4,291	2,881	3,103	2,882	1,844	2,035	1,860	1,341	1,722	2,244	
CUNY, Graduate Center	385	2,663	1,652	1,849	2,180	2,127	1,707	1,004	i 830	2,313	2,785	2,206	
U. Wisconsin-Stevens Point	386	4,455	3,752	i 3,049	2,131	1,740	i 1,349	i 957	i 1,266	i 1,575	i 1,884	i 2,193	
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	2,181	i
Spelman C.	388	2,740	1,833	1,874	1,366	1,185	1,035	1,291	1,227	1,673	2,004	2,136	
U. Southern Maine	389	2,498	3,592	5,415	4,515	3,071	i 2,460	i 1,848	2,252	2,237	2,275	2,128	
Pace U.	390	627	952	1,469	1,054	1,155	1,329	1,170	862	610	1,537	2,120	
Tougaloo C.	391	2,978	2,542	1,865	1,857	1,894	1,868	1,747	2,252	2,860	2,293	2,102	
Southern U. and A&M C., Agricultural Research and Extension Center	392	ne	4,049	5,926	3,481	3,363	2,514	2,415	2,736	i 3,057	3,057	2,085	
U. West Florida	393	2,310	1,505	809	646	883	1,061	684	793	1,149	1,210	2,062	
U. San Diego	394	1,332	1,139	1,903	2,002	2,435	1,799	2,121	2,299	2,362	2,494	2,048	
U. Louisiana, Monroe	395	1,470	1,971	1,752	976	1,705	1,479	2,016	1,838	1,789	1,949	2,025	
U. of the District of Columbia	396	1,946	2,313	2,430	2,168	1,627	1,434	2,451	2,659	2,021	2,526	2,020	
Towson U.	397	1,806	2,630	1,771	2,015	1,870	1,325	1,449	1,453	2,133	2,141	1,999	
James Madison U.	398	5,563	5,218	6,476	4,604	2,997	2,418	2,189	2,172	1,640	2,075	1,973	
Purdue U., Northwest	399	na	na	na	na	na	na	na	2,218	1,927	1,513	1,969	
Rutgers, State U. New Jersey, Camden	400	1,765	1,259	1,248	1,511	1,728	1,984	2,637	2,322	1,495	1,096	1,952	
California State U., Chico	401	1,466	1,209	1,332	1,668	1,085	743	851	577	1,051	1,359	1,943	

TABLE 79

Federally financed higher education R&D expenditures in science and engineering fields, ranked by FY 2020 R&D expenditures: FYs 2010–20

(Dollars in thousands)

Institution	Rank	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Albany C. of Pharmacy and Health Sciences	402	1,380	1,634	1,182	1,333	1,643	1,065	380	566	1,092	1,690	1,938
Murray State U.	403	2,074	2,471	1,904	816	601	793	555	1,200	1,587	2,607	1,911
Clafin U.	404	3,226	5,103	5,090	2,556	1,511	1,158	1,726	1,344	1,491	1,735	1,907
Middle Tennessee State U.	405	2,428	1,595	4,207	1,897	1,022	1,609	2,564	2,212	2,206	1,572	1,896
Bates C.	406	971	1,485	1,555	1,390	1,114	2,004	1,156	1,053	1,121	1,607	1,885
Bowdoin C.	407	1,806	1,876	3,300	3,240	2,330	2,154	2,452	1,811	2,026	1,777	1,862
U. North Carolina, Asheville	408	1,367	1,519	1,565	1,505	1,174	1,452	2,202	1,714	1,309	1,262	1,848
Skidmore C.	409	1,872	1,562	1,334	1,448	1,170	969	732	1,179	1,878	2,261	1,827
Saginaw Valley State U.	410	77	525	330	203	ne	223	228	595	1,215	2,332	1,809
St. John's U., New York	411	1,161	1,181	1,095	868	879	942	868	961	1,528	1,666	1,805
Savannah State U.	412	1,774	2,518	1,874	2,514	2,127	1,796	2,245	1,388	1,778	1,709	1,804
U. Northern Iowa	413	499	1,597	1,982	2,146	2,007	1,847	2,267	2,153	1,697	2,343	1,792
Grand Valley State U.	414	1,078	1,610	2,142	2,675	2,151	2,033	1,479	1,365	1,719	1,663	1,783
Western Illinois U.	415	658	742	3,855	1,183	735	350	ne	1,198	1,535	1,486	1,781
Amherst C.	416	966	1,775	1,810	1,846	1,543	1,835	1,207	1,228	1,630	2,118	1,775
Georgia Southern U.	417	1,882	1,520	1,341	1,990	3,123	2,923	2,540	2,826	1,758	1,765	1,759
Harvey Mudd C.	418	2,049	2,594	2,038	2,004	1,457	1,633	2,320	1,521	1,762	1,619	1,748
Pacific U.	419	565	75	198	1,669	539	350	708	2,830	1,559	2,731	1,719
Central Washington U.	420	4,038	2,238	1,840	1,242	1,108	1,575	1,580	2,287	1,840	2,159	1,701
Hawaii Pacific U.	421	ne	525	858	850	1,116	789	2,071	1,921	1,905	1,809	1,699
Kennesaw State U.	422	1,105	983	1,127	1,271	1,397	713	1,037	1,182	1,306	1,738	1,696

TABLE 79

Federally financed higher education R&D expenditures in science and engineering fields, ranked by FY 2020 R&D expenditures: FYs 2010–20

(Dollars in thousands)

Institution	Rank	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
SUNY, C. of Optometry	423	2,829	3,336	3,162	2,757	2,567	2,490	2,487	2,073	1,944	1,823	1,688
Texas Tech U., Health Sciences Center, El Paso	424	ne	ne	ne	ne	5,316	2,689	2,953	2,329	2,489	2,238	1,675
Morehead State U.	425	1,291	1,656	1,591	1,798	961	1,064	1,668	2,051	1,672	1,471	1,657
Reed C.	426	796	772	678	897	1,092	1,638	1,690	415	1,065	1,423	1,635
Western Carolina U.	427	1,273	691	931	647	669	740	873	963	992	1,650	1,615
U. Richmond	428	2,050	1,705	2,097	1,747	2,004	1,738	1,924	1,870	1,628	1,545	1,588
Occidental C.	429	644	898	1,079	1,105	1,365	853	1,260	701	888	1,614	1,567
U. Oklahoma, Tulsa	430	ne	ne	ne	ne	ne	882	1,046	883	1,531	1,415	1,559
Middlebury C.	431	2,245	2,289	2,513	1,760	1,320	1,535	1,736	2,002	1,701	1,558	1,546
Touro U.	431	999	1,196	1,390	1,351	1,374	1,332	1,199	1,196	1,410	1,540	1,546
Troy U.	433	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	1,536
Santa Clara U.	434	3,494	1,992	1,953	1,641	1,992	1,224	1,634	1,406	1,520	1,266	1,487
New York Institute of Technology	435	250	369	950	2,097	3,049	2,070	1,536	983	1,439	3,072	1,485
CUNY, York C.	436	ne	1,507	812	693	ne	288	ne	ne	ne	1,477	1,480
CUNY, Baruch C.	437	1,010	1,025	1,209	547	548	838	1,214	1,027	1,154	1,359	1,470
Mount Holyoke C.	438	1,346	1,883	1,790	1,775	2,374	2,314	2,848	3,168	2,210	2,074	1,442
U. New Haven	439	ne	199	235	728	344	183	2,157	474	3,853	2,786	1,440
Northern Kentucky U.	440	1,476	1,573	1,474	1,239	1,396	1,246	1,061	1,047	780	1,223	1,415
Palmer C. of Chiropractic, Davenport	441	3,009	3,344	2,906	1,991	1,775	1,558	1,485	1,189	1,100	1,100	1,400
U. Wisconsin-Superior	442	5,197	5,638	5,302	ne	1,941	ne	ne	ne	1,916	1,527	1,382
Northeastern Illinois U.	443	288	311	ne	ne	588	ne	ne	805	1,877	2,078	1,378
Appalachian State U.	444	1,662	2,398	2,264	1,722	2,186	1,795	1,896	2,629	1,840	1,298	1,375

TABLE 79

Federally financed higher education R&D expenditures in science and engineering fields, ranked by FY 2020 R&D expenditures: FYs 2010–20

(Dollars in thousands)

Institution	Rank	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	
U. Central Arkansas	445	1,560	1,300	1,314	1,033	1,145	1,222	931	1,183	1,113	1,347	1,374	
Bowie State U.	446	ne	1,910	1,739	1,422	1,761	1,497	1,507	987	1,100	876	1,368	
U. of the Pacific	447	1,667	1,414	749	823	985	1,019	1,879	1,403	2,057	2,144	1,362	
California State U., Dominguez Hills	448	2,658	2,671	2,689	2,738	1,384	i 1,035	1,124	753	1,072	1,135	1,360	
CUNY, New York City C. of Technology	449	59	145	ne	ne	ne	ne	ne	ne	1,978	1,795	1,359	
Bucknell U.	450	2,626	2,600	1,514	1,581	1,724	1,489	1,368	i 1,317	i 1,266	1,403	1,347	i
Christopher Newport U.	450	1,035	1,587	1,230	1,083	1,263	938	779	859	1,068	1,285	1,347	
U. Wisconsin-Oshkosh	452	769	1,100	1,140	932	i 1,012	i 1,046	i ne	1,115	i 1,165	i 1,237	i 1,289	i
California State U., Stanislaus	453	ne	1,037	i 1,070	650	341	174	221	478	734	964	1,284	
U. Puerto Rico, Humacao	454	1,950	i 1,976	1,949	1,452	1,102	669	ne	ne	882	828	1,279	
Long Island U.	455	545	i 590	i 577	i 567	ne	ne	346	1,183	1,416	1,647	1,277	
Lewis and Clark C.	456	818	684	718	1,490	1,378	872	636	723	834	931	1,268	
U. Central Oklahoma	457	1,059	1,146	750	765	993	1,422	1,081	850	1,048	1,277	1,266	i
U. Washington, Bothell	458	435	363	323	0	711	1,222	546	747	917	1,800	1,260	
U. Nebraska, Kearney	459	289	1,018	714	838	652	513	870	975	1,014	1,227	1,259	
Davidson C.	460	1,153	1,053	651	1,574	1,166	1,703	810	1,099	738	895	1,254	
West Texas A&M U.	461	2,100	1,340	1,785	1,314	1,324	1,635	1,523	1,108	1,104	1,278	1,253	
SUNY, Buffalo State	462	1,247	1,958	2,348	1,336	1,076	846	849	860	1,040	1,203	1,240	
Carleton C.	463	1,643	2,132	2,212	3,326	3,046	1,077	832	727	933	1,891	1,236	
Black Hills State U.	464	1,355	1,097	1,118	1,123	662	635	1,127	812	813	860	1,234	
U. Northern Colorado	465	1,606	1,513	1,117	956	1,867	1,230	1,674	1,752	1,745	1,518	1,233	
Fort Lewis C.	466	325	511	ne	ne	ne	ne	ne	ne	ne	1,284	1,228	

TABLE 79

Federally financed higher education R&D expenditures in science and engineering fields, ranked by FY 2020 R&D expenditures: FYs 2010–20

(Dollars in thousands)

Institution	Rank	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Indiana U. Pennsylvania	467	489	616	669	101	169	ne	321	1,303	891	1,773	1,221
Coastal Carolina U.	468	1,533	1,439	1,474	1,691	1,281	1,041	858	1,028	1,031	1,294	1,211
U. Puerto Rico, Cayey	469	601	871	1,515	1,168	1,143	959	1,105	704	632	963	1,210
Franklin and Marshall C.	470	1,857	1,397	1,116	879	867	991	945	1,711	1,760	1,580	1,202
Trinity U.	471	964	1,046	1,222	1,989	1,535	1,151	956	977	1,116	878	1,195
U. North Florida	472	4,516	5,048	3,760	1,424	1,045	1,184	1,333	1,287	1,325	1,243	1,167
Dillard U.	473	2,711	5,019	7,325	7,692	6,889	8,851	7,585	5,592	5,503	1,390	1,164
Colorado State U., Pueblo	474	364	354	ne	ne	ne	ne	ne	ne	ne	1,282	1,161
Lamar U.	475	4,184	3,959	3,057	1,604	1,118	297	218	917	1,280	1,604	1,157
Hope C.	476	2,523	2,414	1,912	1,993	1,834	1,436	1,251	1,157	1,088	1,349	1,126
U. of the Sciences Philadelphia	476	965	1,338	1,287	1,357	937	851	1,153	1,102	1,095	1,318	1,126
Pomona C.	478	1,038	1,769	1,528	2,144	1,789	1,074	1,579	1,038	867	861	1,123
Rhode Island C.	479	ne	1,195	1,140	993	851	726	1,107	860	669	726	1,102
Keck Graduate Institute	480	ne	1,744	1,671	1,227	1,302	937	949	969	987	1,059	1,093
Eastern Washington U.	481	46	559	725	1,226	885	955	1,244	1,181	997	811	1,092
U. Alaska, Southeast	481	1,150	941	887	1,001	1,158	1,341	1,502	1,480	1,636	1,235	1,092
Johnson C. Smith U.	483	ne	ne	ne	ne	ne	ne	483	603	994	913	1,087
Williams C.	484	2,330	2,117	2,029	1,498	1,029	1,700	1,614	1,703	1,458	1,131	1,086
Hobart and William Smith Colleges	485	1,030	1,206	914	1,786	666	378	ne	528	ne	1,047	1,072
William Paterson U.	485	105	140	ne	ne	ne	ne	299	178	195	626	1,072
Vassar C.	487	1,236	1,552	993	1,136	999	954	1,417	1,579	4,185	909	1,055
Keene State C.	488	ne	846	664	482	829	820	ne	754	ne	1,022	1,043
New Mexico Highlands U.	489	963	986	704	741	969	ne	1,086	1,015	741	ne	1,034

TABLE 79

Federally financed higher education R&D expenditures in science and engineering fields, ranked by FY 2020 R&D expenditures: FYs 2010–20

(Dollars in thousands)

Institution	Rank	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
U. Baltimore	490	1,518	2,328	2,391	2,063	2,513	2,390	3,479	2,922	1,642	1,309	1,024
Trinity C., Hartford	491	1,026	1,217	1,432	1,040	1,313	889	893	2,084	794	1,077	1,019
California State U., East Bay	492	643	921	536	310	ne	ne	479	ne	ne	ne	1,018
Swarthmore C.	493	901	1,005	1,115	1,203	1,261	1,352	1,393	1,402	1,343	1,367	1,011
Texas A&M U.- Commerce	494	1,078	941	1,182	1,319	1,067	1,121	582	604	956	780	1,004
Loyola Marymount U.	495	894	2,759	1,139	1,154	906	809	638	705	616	982	997
Elizabeth City State U.	496	5,352	10,176	3,673	3,767	1,956	1,644	1,619	1,305	960	ne	992
New School	497	1,376	1,512	1,830	2,370	1,892	2,106	2,366	2,126	1,665	1,790	986
Ithaca C.	498	617	627	774	788	763	570	ne	ne	ne	ne	981
U. Illinois, Springfield	499	332	373	554	503	405	307	527	1,169	1,108	966	971
SUNY, Geneseo	500	679	1,278	1,499	609	455	635	908	992	998	1,184	950
Alfred U.	501	1,645	1,964	1,625	1,447	1,310	1,305	1,318	883	1,403	1,580	947
U. Ana G. Mendez, Gurabo	502	212	377	446	362	1,008	346	357	423	418	951	946
Texas A&M International U.	503	1,481	1,191	985	868	977	658	911	1,722	1,980	1,814	941
Midwestern U.	504	285	438	427	369	517	654	1,060	1,184	1,278	1,045	936
Sonoma State U.	504	690	559	ne	1,800	1,581	964	531	ne	ne	ne	936
SUNY, C. Plattsburgh	506	1,187	726	454	ne	459	717	545	455	1,254	1,142	930
U. South Florida, Saint Petersburg	507	287	141	243	167	201	95	557	884	1,016	1,026	929
Providence C.	508	857	726	ne	827	ne	1,162	981	783	960	857	913
National U. of Natural Medicine	509	ne	247	ne	ne	ne	ne	ne	427	ne	760	912
Gallaudet U.	510	4,584	3,876	3,712	3,916	2,586	2,064	2,133	2,273	2,142	1,105	899
C. New Jersey	511	447	188	ne	ne	ne	ne	ne	874	778	ne	888

TABLE 79

Federally financed higher education R&D expenditures in science and engineering fields, ranked by FY 2020 R&D expenditures: FYs 2010–20

(Dollars in thousands)

Institution	Rank	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020										
Southern Connecticut State U.	512	0	899	605	i	446	1,620	i	1,205	i	981	1,004	766	718	885							
Southeastern Louisiana U.	513	942	735	794	815	692	1,212	757	1,027	830	586	884										
Stephen F. Austin State U.	513	4,704	1,385	953	1,055	1,118	1,565	1,011	835	785	1,297	884										
Texas Woman's U.	515	822	942	1,058	588	423	299	573	407	326	677	882										
CUNY, system office	516	ne	ne	819	397	352	828	774	420	1,977	1,347	869										
U. of the Incarnate Word	516	ne	111	ne	ne	ne	403	ne	ne	868	1,075	869										
Calvin U.	518	2,031	556	664	731	1,208	1,034	i	795	880	1,332	900	864	i								
U. Wisconsin-Green Bay	519	724	631	i	592	i	552	i	512	i	470	i	833	i	604	i	526	i	792	i	859	i
Colgate U.	520	1,519	1,058	1,497	1,320	1,153	1,109	1,217	1,096	1,389	1,202	858										
Furman U.	521	1,245	984	1,044	1,108	857	1,071	1,068	1,292	1,110	1,106	847										
Roger Williams U.	522	1,056	1,391	1,362	1,206	1,454	1,124	1,215	1,183	854	828	844										
Suffolk U.	523	ne	299	198	351	313	217	411	i	573	i	ne	ne	842								
U. Hartford	523	820	1,571	1,450	1,165	1,080	992	1,172	1,178	62	1,019	842										
Bryn Mawr C.	525	932	1,469	1,619	1,853	1,346	1,713	1,641	1,432	1,265	1,052	833										
Polytechnic U. Puerto Rico	526	ne	193	ne	ne	ne	ne	ne	ne	ne	ne	1,884	813									
U. Wisconsin-La Crosse	527	2,150	2,013	i	1,876	1,240	1,095	1,006	1,250	1,158	1,171	775	809									
Claremont Graduate U.	528	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	803					
Fayetteville State U.	529	2,188	1,810	1,421	1,690	2,185	1,792	2,740	2,202	2,251	1,974	799										
Colby C.	530	1,015	1,002	1,148	989	943	1,038	1,061	1,038	1,188	1,058	787										
New England C. of Optometry	531	726	1,236	1,685	1,588	533	419	618	ne	837	928	785										
SUNY, C. Brockport	532	521	677	989	755	564	535	639	747	672	638	781										
Saint Joseph's U.	533	960	683	565	292	147	169	160	129	163	261	775										

TABLE 79

Federally financed higher education R&D expenditures in science and engineering fields, ranked by FY 2020 R&D expenditures: FYs 2010–20

(Dollars in thousands)

Institution	Rank	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Saint Michael's C.	533	487	471	ne	1,293	1,242	1,153	1,396	1,228	1,255	964	775
U. Texas, Tyler	535	1,689	977	2,084	1,325	280	309	352	613	718	813	774
Yeshiva U.	536	163,399	197,032	201,397	193,831	186,885	180,791	30,266	816	683	380	772
Fort Hays State U.	537	ne	ne	ne	ne	ne	ne	ne	ne	ne	690	761
Doane U.	538	ne	1,008	546	ne	846	390	ne	ne	725	728	752 i
Lafayette C.	539	1,223	1,421	1,149	1,145	853	1,052	858	1,303	968	838	745
Oberlin C.	540	1,359	1,183	1,330	1,204	1,204	1,364	962	1,558	1,096	1,576	743
Claremont McKenna C.	541	1,102	1,061	1,082 i	1,081 i	1,080 i	ne	604	754	555	730	741
U. Texas of the Permian Basin	542	627	692	786	716	489	595	510	328	50	ne	736
Naval War C.	543	ne	ne	0 i	0 i	0 i	0	0	3,797 i	4,384	679	724
Kenyon C.	544	413	358	ne	ne	ne	ne	ne	ne	764	776	714
Winthrop U.	545	ne	871	935	651	594	676	490	391	442	634	697
Mercyhurst U.	546	703	174	145	134	97	77	95	405 i	ne	656 i	678 i
Stockton U.	547	ne	405	160	ne	380	198	221	ne	246	549	663
Biola U.	548	ne	ne	ne	ne	ne	ne	555 i	567 i	588 i	631 i	652 i
Macalester C.	549	1,044	1,455	1,075	871	878	708	771	970	553	805	647
U. Wisconsin-Eau Claire	549	1,271	826	786	646	393	ne	660	925	690	742	647
Indiana State U.	551	990	1,352	1,268	858	1,005	925	954	510	629	821	635
Benedict C.	552	1,473	2,925	2,713	2,625	2,443	1,373	1,621	1,634	1,889	1,226	633
U. Houston-Clear Lake	553	301	818	730	875	739	541	756	753	894	718	632
California State U., Maritime Academy	554	ne	1,200	1,748	1,257	122	23	71	225	550	617	621
Grinnell C.	555	1,155	287	648	372	414	546	340	582	588	326	617
Milwaukee School of Engineering	556	1,177	1,181	1,207	1,245	1,500	1,335	1,164	775	680	764	613
Hofstra U.	557	920	948	1,117	666	997	1,836	1,762	1,307	1,060	915	606
Northwestern State U. Louisiana	558	635	683	609	590	494	ne	490	458	490	579	598

TABLE 79

Federally financed higher education R&D expenditures in science and engineering fields, ranked by FY 2020 R&D expenditures: FYs 2010–20

(Dollars in thousands)

Institution	Rank	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Midwestern State U.	559	10	ne	ne	ne	ne	ne	ne	ne	ne	ne	593
West Chester U. Pennsylvania	560	3,531	5,691	788	513	392	500	453	618	425	704	575
Edward Via C. of Osteopathic Medicine	561	ne	707	502	517	250	89	88	94	195	749	566
U. North Carolina, general administration	562	ne	ne	ne	ne	ne	337	174	161	98	213	562
Purdue U., Fort Wayne	563	1,231	1,490	1,132	1,121	806	956	742	688	766	476	561
Whitman C.	564	1,072	957	398	ne	ne	ne	ne	ne	ne	701	558
Lipscomb U.	565	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	548
Pennsylvania State U., Behrend	566	887	1,029	1,232	1,341	1,596	1,474	2,397	1,658	1,025	1,424	543
Seton Hall U.	567	2,206	1,259	679	691	688	736	825	850	724	810	539
CUNY, Medgar Evers C.	568	364	1,315	981	1,066	660	686	ne	1,007	965	954	538
Minnesota State U., Mankato	569	2,001	812	667	297	296	357	1,189	522	639	708	525
Eastern Kentucky U.	570	2,371	2,736	2,149	1,630	1,251	919	1,000	758	619	598	524
Kean U.	571	ne	550	1,191	347	ne	244	8	ne	ne	ne	522
U. Ana G. Mendez, Carolina	572	1,126	1,158	1,130	972	656	530	564	782	391	ne	520
Central Connecticut State U.	573	351	662	666	601	433	193	131	208	ne	328	518
California State U., Channel Islands	574	ne	311	ne	316	520	825	244	122	269	500	513
Albany State U.	575	396	893	1,988	1,532	1,271	1,005	965	842	649	903	506
SUNY, Oswego	576	644	871	ne	673	ne	ne	ne	669	661	628	492

TABLE 79

Federally financed higher education R&D expenditures in science and engineering fields, ranked by FY 2020 R&D expenditures: FYs 2010–20

(Dollars in thousands)

Institution	Rank	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
U. Wisconsin-River Falls	577	134	174	ne	ne	ne	ne	ne	501	445	ne	488
Seattle U.	578	467	622	530	ne	848	890	809	748	873	574	487
Liberty U.	579	ne	ne	ne	ne	ne	ne	ne	ne	ne	535	486
Connecticut C.	580	954	1,005	1,130	833	514	756	817	777	505	752	483
Sul Ross State U.	581	1,595	1,672	1,073	735	546	333	272	440	553	339	481
Pittsburg State U.	582	999	1,280	989	791	1,006	448	270	316	195	339	477
Austin Peay State U.	583	ne	729	481	364	189	334	301	347	599	295	475
Citadel Military C. South Carolina	584	ne	157	ne	ne	ne	ne	ne	ne	ne	ne	470
Union C., Schenectady	585	1,427	959	867	1,863	1,385	1,080	1,680	554	872	964	462
U. of St. Thomas (MN)	586	656	720	557	570	352	ne	195	212	320	313	450
Pennsylvania State U., Harrisburg	587	963	1,288	1,161	377	194	565	270	215	292	80	437
Des Moines U.	588	62	91	ne	ne	224	ne	363	842	897	805	425
Kettering U.	589	4,477	3,452	1,985	1,084	908	666	817	1,395	883	321	423
Philadelphia C. of Osteopathic Medicine	590	812	850	694	277	104	192	150	260	260	346	422
Northern Michigan U.	591	287	124	ne	ne	ne	ne	228	96	151	258	418
West Virginia School of Osteopathic Medicine	592	22	17	ne	ne	ne	ne	ne	ne	ne	ne	414
U. Massachusetts, central office	593	ne	ne	485	131	185	86	201	402	408	333	410
Manhattan C.	594	166	245	ne	ne	ne	ne	ne	ne	ne	245	398
U. Puget Sound	595	86	186	ne	ne	ne	ne	ne	459	ne	ne	397
Salish Kootenai C.	596	382	658	1,019	1,042	1,399	1,186	732	781	963	766	394

TABLE 79

Federally financed higher education R&D expenditures in science and engineering fields, ranked by FY 2020 R&D expenditures: FYs 2010–20

(Dollars in thousands)

Institution	Rank	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Stonehill C.	597	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	393
Fairfield U.	598	372	401	379	354	810	339	435	982	1,172	563	365
Grambling State U.	599	993	1,515	1,298	1,077	1,065	915	974	846	778	558	359
Dine C.	600	ne	911	ne	ne	ne	ne	ne	ne	1,238	1,126	347
Memorial Sloan Kettering Cancer Center, Louis V. Gerstner Jr. Graduate S. of Biomedical Sciences	601	ne	106	179	340	523	264	643	206	201	191	342
Oregon Institute of Technology	602	ne	193	ne	ne	ne	63	1,268	694	217	437	326
Wheaton C., Wheaton	603	ne	585	114	ne	168	162	ne	70	50	301	324
Marshall B. Ketchum U.	604	ne	ne	ne	ne	48	224	375	368	354	336	323
Gettysburg C.	605	524	266	ne	ne	ne	ne	ne	597	901	841	320
Merrimack C.	606	ne	ne	ne	ne	ne	ne	ne	ne	353	ne	306
Weber State U.	606	338	537	152	ne	ne	ne	ne	ne	ne	ne	306
Lawrence Technological U.	608	2,809	2,425	1,106	985	739	971	326	569	457	294	296
U. Wisconsin-Platteville	609	46	50	ne	ne	287	266	ne	299	ne	294	292
C. Wooster	610	249	512	183	ne	404	386	ne	736	744	456	283
U. Houston-Downtown	611	905	1,178	1,824	464	496	773	620	828	703	130	274
Albion C.	612	ne	113	ne	ne	ne	ne	ne	210	114	180	272
Andrews U.	613	280	77	ne	ne	ne	ne	ne	ne	ne	278	263
Pepperdine U.	614	199	172	428	465	586	724	966	343	289	399	261
Franklin W. Olin C. of Engineering	615	ne	666	1,090	946	1,050	1,103	782	473	425	111	255
Florida Polytechnic U.	616	na	na	na	na	na	203	ne	ne	ne	338	252

TABLE 79

Federally financed higher education R&D expenditures in science and engineering fields, ranked by FY 2020 R&D expenditures: FYs 2010–20

(Dollars in thousands)

Institution	Rank	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Bradley U.	617	512	554	889	899	587	306	955	434	278	515	235
St. Olaf C.	618	1,235	843	1,220	955	760	668	849	769	287	240	227
Willamette U.	619	441	419	911	646	672	730	757	739	807	435	222
U. Michigan, Flint	620	32	181	ne	ne	ne	ne	ne	219	159	122	220
New Jersey City U.	621	132	ne	ne	ne	ne	ne	ne	1,600	3,255	1,120	217
U. California, Office of the President	621	121	483	1,048	599	248	181	295	288	343	319	217
U. Minnesota, Morris	623	243	276	ne	257	262	306	428	294	ne	195	213
U. of Mary Washington	624	ne	563	i 79	ne	ne	187	ne	ne	46	128	207
Rhode Island School of Design	625	ne	289	ne	ne	ne	252	274	i 269	i 212	i 215	i 206
Salisbury U.	626	422	586	360	674	1,155	967	841	806	369	658	204
California Lutheran U.	627	ne	171	ne	ne	ne	ne	ne	ne	ne	159	203
Heidelberg U.	628	ne	266	i ne	349	199	272	294	428	163	164	188
St. Bonaventure U.	629	128	587	155	ne	ne	ne	159	ne	ne	ne	187
U. North Georgia	630	ne	ne	ne	ne	ne	ne	ne	257	198	222	183
Framingham State U.	631	ne	ne	ne	ne	ne	ne	ne	4	17	ne	179
Eastern Connecticut State U.	632	ne	0	ne	ne	6	17	27	19	36	181	177
Dickinson C.	633	445	616	685	467	345	402	394	380	ne	226	154
U. San Francisco	634	335	313	1,842	858	738	503	280	405	310	198	148
St. Cloud State U.	635	501	380	215	420	797	1,299	561	554	494	515	141
Azusa Pacific U.	636	ne	970	609	i ne	ne	323	606	334	199	125	128
Alaska Pacific U.	637	283	349	ne	ne	ne	532	322	252	217	304	121

TABLE 79

Federally financed higher education R&D expenditures in science and engineering fields, ranked by FY 2020 R&D expenditures: FYs 2010–20

(Dollars in thousands)

Institution	Rank	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Monmouth U.	638	2,190	1,873	714	ne	635	ne	173	ne	ne	120	110
Elon U.	639	ne	40	111	161	143	92	194	213	285	264	106
Columbus State U.	640	ne	1,716	11	ne	ne	ne	ne	ne	ne	ne	93
Colorado C.	641	412	362	307	269	511	570	320	585	259	202	91
Emerson C.	642	ne	ne	ne	ne	ne	410	347	343	299	106	84
Hamilton C.	643	812	1,085	1,070	848	413	202	173	48	78	88	61
Roseman U. of Health Sciences	644	ne	0	ne	ne	131	0	0	0	18	37	i 56
C. of Saint Benedict	645	ne	0	ne	72	71	53	38	44	47	45	i 43
Jacksonville State U.	646	133	265	ne	ne	ne	13	307	209	i 199	67	30
Niagara U.	647	162	150	118	28	0	4	0	0	125	114	18
La Salle U.	648	246	277	114	114	102	82	82	i ne	ne	ne	14
U. South Florida, Sarasota-Manatee	649	0	0	ne	ne	0	0	0	0	0	0	10
La Sierra U.	650	ne	17	ne	ne	0	45	12	23	43	32	4
All other surveyed institutions	-	809,654	925,962	882,240	814,406	605,031	593,908	598,624	619,407	656,879	38,130	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 \$1,845,654 thousand in federally financed R&D expenditures in science and engineering fields in FY 2020.

^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.

^c The University of Tennessee, Knoxville includes expenditures from the University of Tennessee Institute of Agriculture. Due to a reorganization within the University of Tennessee system, the Institute of Agriculture now falls under the leadership of the University of Tennessee, Knoxville chancellor. Prior to FY 2020, the University of Tennessee, Knoxville, Institute of Agriculture reported to the survey separately.

Note(s):

Institutions reporting zero expenditures in ranked total for FY 2020 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.