

TABLE 78

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	-	58,387,551	61,988,017	62,198,981	63,354,376	63,766,242	64,935,600	67,634,588	70,846,712	74,384,893	78,669,198	81,260,563
Johns Hopkins U. ^a	1	1,997,252	2,135,547	2,092,999	2,149,770	2,227,536	2,299,057	2,425,199	2,556,641	2,656,152	2,913,280	3,104,669
U. California, San Francisco	2	935,509	995,226	1,032,673	1,042,841	1,084,031	1,126,620	1,294,261	1,409,398	1,595,732	1,595,098	1,651,073
U. Michigan, Ann Arbor	3	1,128,686	1,212,990	1,247,680	1,304,074	1,279,603	1,300,340	1,357,228	1,434,535	1,493,353	1,571,320	1,572,931
U. Pennsylvania	4	793,523	851,522	813,210	790,265	792,314	828,649	1,140,833	1,247,686	1,304,291	1,368,837	1,432,968
U. California, San Diego	5	937,982	1,003,584	1,065,306	1,066,979	1,060,207	1,093,784	1,079,429	1,126,269	1,256,171	1,344,185	1,395,348
U. Washington, Seattle	6	995,036	1,112,526	1,065,414	1,111,508	1,091,135	1,101,078	1,197,773	1,270,642	1,342,509	1,347,667	1,371,333
U. California, Los Angeles	7	899,677	942,450	969,682	934,135	920,183	992,009	1,002,013	1,037,780	1,242,619	1,249,535	1,338,707
U. Wisconsin-Madison	8	940,286	1,022,723	1,030,605	997,523	984,830	938,366	1,051,311	1,105,261	1,113,968	1,209,224	1,272,053
Duke U.	9	980,514	1,018,241	1,004,759	987,393	1,031,404	1,029,193	1,044,046	1,113,921	1,153,947	1,212,928	1,180,209
Stanford U.	10	810,300	868,393	854,580	900,547	912,244	969,643	1,012,351	1,055,418	1,106,314	1,158,689	1,159,809
Cornell U.	11	747,199	779,809	799,794	841,224	874,727	946,419	956,184	963,166	1,033,740	1,103,810	1,147,119
Harvard U.	12	561,703	623,116	753,973	910,569	875,964	955,246	1,011,950	1,032,590	1,066,612	1,129,158	1,116,344
U. North Carolina, Chapel Hill	13	746,828	846,499	864,748	942,467	955,601	939,252	1,013,128	1,061,535	1,094,063	1,113,654	1,115,776
U. Pittsburgh, Pittsburgh	14	806,014	880,425	839,793	846,556	835,838	852,333	880,508	930,198	995,762	1,068,746	1,092,847
Texas A&M U., College Station and Health Science Center	15	666,516	682,553	669,968	796,101	826,152	836,250	859,952	869,100	882,191	911,375	1,089,944
Yale U.	16	621,125	654,259	654,824	787,609	764,002	792,953	865,970	930,569	972,856	1,056,640	1,079,696
U. Texas M. D. Anderson Cancer Center	17	599,529	663,279	685,814	718,096	794,980	833,406	852,095	888,029	929,710	969,496	1,051,297
U. Maryland ^b	18	na	na	na	na	na	na	na	na	na	1,047,276	1,047,911
Georgia Institute of Technology	19	611,226	650,588	683,894	726,377	720,248	757,116	780,118	785,603	859,009	931,076	1,017,808
U. Minnesota, Twin Cities	20	764,916	824,489	806,832	834,181	850,880	844,016	872,514	881,286	915,798	970,212	999,314

TABLE 78

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
Columbia U. in the City of New York	21	770,888	841,173	847,809	845,847	844,766	826,010	793,710	848,733	908,771	965,696	981,906
Pennsylvania State U., University Park and Hershey Medical Center	22	762,041	776,945	783,894	825,011	785,705	774,384	809,985	826,683	885,661	924,031	970,457
Massachusetts Institute of Technology	23	646,222	693,714	770,367	833,884	815,008	858,917	880,111	878,964	893,508	940,079	926,053
Ohio State U.	24	719,574	794,023	720,082	743,321	752,836	745,238	751,293	804,699	818,428	876,402	914,199
U. Southern California	25	574,366	579,717	593,003	610,382	650,506	650,457	662,029	725,528	854,673	869,142	899,507
Washington U., Saint Louis	26	693,749	707,404	689,035	665,484	646,756	680,150	726,622	740,005	797,267	866,478	894,681
U. Florida	27	636,607	686,048	649,988	642,502	652,341	699,750	741,945	766,469	831,362	880,771	889,677
New York U.	28	343,762	402,327	425,043	435,095	490,614	505,071	751,393	822,329	801,961	845,249	858,190
Northwestern U.	29	554,228	595,202	602,451	612,009	621,504	627,320	684,767	724,060	776,458	827,607	847,679
U. California, Davis	30	669,282	698,193	704,999	715,870	699,689	706,087	726,070	726,469	774,775	791,184	804,674
U. California, Berkeley	31	659,572	670,926	696,904	690,299	708,485	748,139	734,486	724,817	747,690	751,584	796,303
Emory U.	32	498,309	479,678	474,537	493,734	551,556	574,472	597,971	646,146	693,172	773,843	780,693
Vanderbilt U. and Vanderbilt U. Medical Center	33	478,345	534,806	533,878	548,086	659,418	619,866	612,351	681,286	702,128	730,378	774,717
Icahn School of Medicine at Mount Sinai	34	370,666	405,527	400,680	428,654	463,429	508,353	540,296	575,448	640,141	722,241	747,014
U. Arizona	35	577,958	597,988	615,434	616,487	575,864	592,874	592,412	609,965	672,038	715,290	743,233
U. Texas, Austin	36	531,412	558,377	549,312	572,959	526,173	551,654	565,708	598,597	617,567	619,929	726,915
Indiana U., Bloomington	37	156,996	160,038	151,240	173,464	172,380	451,508	471,055	507,553	534,811	630,449	692,746
Baylor C. of Medicine	38	447,874	466,061	474,700	508,799	496,314	520,220	572,527	604,952	623,396	651,920	685,641

TABLE 78

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
Michigan State U.	39	399,358	423,766	471,620	479,145	492,501	519,994	573,204	653,611	673,959	682,018	674,384
Rutgers, State U. New Jersey, New Brunswick	40	407,170	415,502	420,737	474,192	627,076	607,257	610,648	633,789	666,368	621,194	661,656
U. Illinois, Urbana-Champaign	41	493,386	522,769	558,022	721,587	598,531	614,011	587,264	602,641	609,984	640,880	658,561
Purdue U., West Lafayette	42	477,145	520,001	528,140	528,564	502,457	498,887	517,879	533,598	535,826	598,411	638,715
U. Alabama, Birmingham	43	483,862	497,680	449,108	434,882	421,475	509,586	531,492	553,651	575,060	595,361	608,545
U. Texas Southwestern Medical Center	44	419,220	431,883	435,085	440,620	434,627	438,824	442,666	461,797	474,260	496,697	595,939
Arizona State U.	45	296,458	323,567	344,611	367,277	380,581	403,708	441,411	484,315	559,391	572,588	594,927
U. Virginia, Charlottesville	46	271,843	377,757	363,569	366,103	337,732	339,813	367,926	431,793	490,902	547,179	584,678
U. Utah	47	375,420	410,392	425,558	486,245	476,017	509,409	322,670	318,956	534,208	548,714	577,238
Boston U.	48	344,687	348,593	330,247	359,312	353,850	372,267	379,117	398,754	435,864	508,813	554,084
U. Colorado Denver and Anschutz Medical Campus	49	376,917	407,517	422,844	400,815	401,230	400,515	432,693	472,859	517,749	535,819	547,481
Virginia Polytechnic Institute and State U.	50	393,888	445,302	448,054	487,121	502,486	495,502	512,333	511,340	520,575	532,154	546,172
North Carolina State U.	51	357,802	374,446	400,046	413,524	440,392	462,347	479,039	488,974	497,851	523,124	528,089
U. Cincinnati	52	393,518	419,456	408,294	414,738	399,571	408,412	401,701	427,236	464,289	513,397	511,252
U. Iowa	53	435,118	433,088	432,980	423,097	436,852	423,528	447,718	466,462	484,253	483,809	510,793
U. Colorado Boulder	54	335,983	372,034	373,512	369,663	362,882	403,654	433,850	474,496	488,883	486,073	496,549
U. California, Irvine	55	311,105	328,870	335,874	329,500	322,315	313,798	325,582	339,309	399,295	422,781	456,453
U. Chicago	56	432,943	446,512	411,864	389,900	378,322	402,777	402,491	419,996	412,791	448,263	448,404

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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
Oregon Health and Science U.	57	314,990	334,324	305,360	307,134	313,112	325,268	329,414	346,710	372,148	415,629	446,826
Scripps Research Institute	58	387,298	400,768	398,673	399,899	386,231	384,161	364,670	354,582	396,839	427,734	444,964
Case Western Reserve U.	59	417,805	428,206	430,246	422,041	417,436	400,167	403,827	406,196	430,379	435,852	437,725
U. Georgia	60	274,380	300,388	311,498	308,486	313,445	330,273	360,520	403,575	390,773	414,909	419,656
California Institute of Technology	61	359,245	374,636	374,075	333,548	358,137	350,833	356,204	380,711	363,007	375,558	418,697
U. Kentucky	62	350,857	364,175	354,132	332,366	322,313	325,558	340,295	367,934	382,973	398,384	406,131
SUNY, U. Buffalo	63	337,976	337,783	340,930	371,387	370,083	367,133	373,308	386,386	393,241	394,279	401,640
U. Illinois, Chicago	64	355,581	373,750	381,918	358,797	339,644	344,619	314,365	352,200	343,254	365,409	396,061
U. Rochester	65	412,704	428,144	388,401	382,399	347,161	344,921	344,489	351,924	369,072	392,275	395,774
Colorado State U., Fort Collins	66	291,621	321,130	335,336	303,461	300,572	308,785	323,068	328,221	356,951	382,252	384,044
Princeton U.	67	231,862	255,483	264,980	264,998	287,730	272,379	285,733	321,953	351,297	370,700	382,414
U. Miami	68	278,664	321,830	361,772	338,568	342,852	328,082	355,690	365,310	355,132	358,621	380,470
Carnegie Mellon U.	69	221,376	240,956	254,992	270,898	250,497	241,829	304,383	313,145	318,218	346,356	373,131
Rockefeller U.	70	265,750	272,491	292,896	298,474	316,368	323,932	335,136	348,845	353,142	351,089	356,217
SUNY, Polytechnic Institute	71	na	na	na	na	412,851	295,313	316,680	308,843	257,316	352,788	355,519
U. Oklahoma, Norman and Health Science Center	72	201,187	223,828	217,177	220,916	227,104	227,568	240,239	250,627	262,863	283,375	337,624
Uniformed Services U. of the Health Sciences	73	134,126	175,365	143,250	164,232	262,489	361,173	256,203	298,370	308,326	417,300	324,510
Iowa State U.	74	243,890	261,016	252,675	259,320	297,293	295,635	316,822	310,100	343,890	342,498	306,338
U. Missouri, Columbia	75	133,120	130,269	234,975	232,760	233,613	243,430	262,919	272,196	275,413	288,501	303,906
Utah State U.	76	147,612	172,563	155,305	156,774	167,256	173,848	178,830	184,746	215,994	280,476	300,894

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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.	77	285,120	299,905	288,693	273,037	287,942	306,989	307,431	288,629	289,326	302,309	294,831
U. Kansas	78	251,992	248,076	256,310	267,050	251,186	257,766	241,656	251,140	269,494	282,642	292,485
U. Tennessee, Knoxville ^c	79	133,877	151,814	165,708	175,264	170,471	166,591	177,240	199,356	233,705	221,726	292,314
Albert Einstein C. of Medicine	80	na	na	na	na	na	na	289,660	289,685	297,328	298,824	288,654
U. South Florida, Tampa	81	330,528	343,366	394,694	410,092	436,578	420,002	447,812	502,216	334,944	330,968	287,339
Dartmouth C. and Dartmouth Hitchcock Medical Center	82	193,608	210,274	195,251	198,995	204,360	203,660	224,497	277,638	287,951	303,965	285,551
U. Nebraska, Lincoln	83	211,385	220,141	238,472	245,171	254,877	260,152	264,485	270,749	275,161	284,544	284,935
U. Massachusetts, Medical School	84	232,039	262,714	256,090	245,923	241,869	250,338	253,099	279,884	274,211	281,507	279,096
Louisiana State U., Baton Rouge	85	280,432	281,221	279,019	276,748	282,462	274,001	282,574	258,402	278,075	287,203	277,811
Temple U.	86	115,543	122,663	126,288	207,190	206,556	210,371	232,379	249,156	253,548	263,217	274,258
U. Texas Health Science Center, Houston	87	240,772	261,172	236,250	233,256	233,737	234,299	237,016	246,060	258,411	271,525	273,862
U. Hawaii, Manoa	88	303,085	318,316	312,311	326,402	319,818	313,046	300,864	288,294	272,971	277,704	273,320
Medical U. South Carolina	89	224,632	213,346	236,586	245,451	242,594	243,534	260,098	262,267	282,253	295,600	272,590
U. Connecticut	90	230,387	247,252	250,468	236,126	247,379	251,621	257,958	257,176	256,826	273,034	270,397
Florida State U.	91	208,834	216,869	208,005	224,425	231,390	237,427	243,327	247,319	260,486	257,656	270,051
Mississippi State U.	92	223,032	217,793	222,320	197,359	200,251	216,817	229,939	233,024	235,581	255,674	264,367
Medical C. Wisconsin	93	191,816	215,358	209,040	201,237	199,713	199,283	199,925	209,618	229,436	251,300	264,325
Oregon State U.	94	215,400	227,752	239,571	231,342	229,456	242,874	252,541	260,893	266,684	257,935	262,426
SUNY, Stony Brook U.	95	201,846	206,207	218,209	224,030	210,301	219,485	227,942	235,430	240,949	257,048	260,203
Brown U.	96	201,116	223,455	234,906	222,945	291,917	286,332	235,373	201,253	233,689	245,883	256,871

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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
Virginia Commonwealth U.	97	176,422	185,566	179,310	175,880	177,540	196,412	202,150	210,827	222,757	230,882	255,589
George Washington U.	98	189,113	189,427	187,652	192,152	213,334	226,132	214,984	226,005	242,029	249,198	249,745
U. California, Santa Barbara	99	217,952	217,877	222,916	225,976	225,614	213,537	219,907	225,767	223,349	230,097	241,523
Wake Forest U.	100	192,034	208,460	203,730	182,721	176,380	171,538	169,533	181,876	190,991	236,494	241,271
U. New Mexico	101	207,906	217,206	216,218	220,840	221,817	224,321	227,591	236,623	245,400	233,310	237,249
Wayne State U.	102	248,753	252,620	221,666	217,984	213,253	207,830	214,306	220,199	230,231	235,072	229,753
Woods Hole Oceanographic Institution	103	181,746	198,775	204,352	198,232	220,016	216,592	212,374	194,088	204,400	229,143	227,573
Georgetown U.	104	155,538	164,301	171,829	170,503	162,983	157,308	162,734	187,948	192,160	210,896	225,504
Auburn U., Auburn	105	143,874	161,785	130,222	143,545	140,110	132,970	149,411	167,352	184,650	199,851	221,503
U. Delaware	106	147,204	160,503	161,327	170,470	169,641	167,904	169,384	176,455	179,560	200,935	214,517
Florida International U.	107	92,250	97,804	83,639	92,463	107,487	124,631	133,831	146,431	165,748	191,754	210,258
Tufts U.	108	153,113	154,760	159,140	154,694	156,411	162,510	181,011	216,895	197,478	196,559	209,283
U. Massachusetts, Amherst	109	164,850	176,545	178,207	172,217	183,210	197,183	193,863	194,030	193,495	203,885	204,998
U. Texas Health Science Center, San Antonio	110	207,115	198,655	184,298	175,983	172,716	170,277	194,885	169,200	179,219	188,483	202,572
U. Nebraska, Medical Center	111	138,219	133,036	141,619	137,485	139,126	145,009	150,694	171,491	177,245	194,455	202,406
U. Notre Dame	112	104,288	121,466	143,328	156,234	160,461	171,148	175,187	184,061	190,469	211,694	200,815
Kansas State U.	113	154,888	163,494	169,863	177,525	178,304	180,082	181,933	183,513	201,866	202,244	199,739
George Mason U.	114	77,966	80,284	79,913	82,849	85,493	89,845	92,649	98,488	125,416	164,053	198,923
Rice U.	115	97,288	109,197	115,235	128,621	136,419	141,935	151,855	163,312	157,352	177,126	192,213
Tulane U.	116	151,686	154,530	154,196	151,314	148,784	140,118	153,298	167,338	179,813	182,444	190,724
Northeastern U.	117	74,998	81,230	102,911	111,134	111,779	115,664	121,574	134,827	156,546	174,485	189,802
U. South Carolina, Columbia	118	218,771	196,820	186,559	178,800	181,363	181,742	183,478	180,127	145,739	136,433	187,909

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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 Florida	119	108,662	97,309	102,562	108,560	143,063	169,770	166,000	168,630	176,094	185,873	187,788
U. Louisville	120	162,447	166,918	165,319	160,338	163,199	154,598	164,371	168,906	168,433	166,122	184,869
U. Texas Medical Branch	121	188,399	193,555	180,888	180,198	178,014	173,506	179,541	185,106	181,831	175,372	180,595
West Virginia U.	122	146,944	159,206	161,961	159,865	156,946	160,560	164,501	175,403	176,082	178,575	180,349
U. Vermont	123	129,612	132,107	115,569	115,055	109,343	114,090	115,230	117,433	128,179	135,673	178,828
U. California, Riverside	124	121,541	125,902	129,609	126,916	128,506	136,493	147,268	159,305	162,054	172,146	177,921
U. Houston	125	106,646	98,231	105,844	112,469	122,163	125,973	142,081	149,795	158,543	168,909	174,582
U. Arkansas for Medical Sciences	126	119,518	122,066	129,056	133,677	131,438	132,451	125,378	128,508	139,187	153,135	174,549
Clemson U.	127	144,562	135,681	110,493	116,138	116,871	120,858	133,342	144,728	160,361	165,227	174,342
Thomas Jefferson U.	128	103,064	104,923	100,506	89,273	118,378	119,631	122,396	142,569	148,573	170,458	171,354
U. Dayton	129	91,943	89,037	79,877	82,349	83,409	93,319	111,363	127,207	143,636	163,924	162,216
Oklahoma State U., Stillwater	130	147,094	162,786	166,523	134,500	126,543	126,607	150,167	152,605	154,418	150,021	153,586
U. Alaska, Fairbanks	131	127,808	126,691	121,640	118,907	152,352	139,605	141,976	150,064	138,989	142,307	150,364
North Dakota State U.	132	125,294	132,717	133,874	144,069	148,352	148,934	152,106	149,230	140,507	145,723	149,867
Montana State U., Bozeman	133	124,227	114,244	113,235	103,144	104,646	98,467	102,179	118,221	114,496	140,359	147,443
Texas Tech U.	134	106,220	114,648	105,147	114,506	125,126	128,554	132,766	144,898	139,500	147,317	147,162
U. California, Santa Cruz	135	136,964	149,702	149,824	145,092	147,536	147,518	146,237	119,990	123,221	138,455	146,771
U. New Hampshire	136	103,801	128,348	152,276	134,535	130,951	130,700	136,006	133,592	133,378	137,626	145,844
U. Nevada, Reno	137	94,420	86,372	83,137	85,085	81,028	83,385	90,673	99,156	127,049	136,707	144,327
U. Arkansas, Fayetteville	138	104,336	110,310	111,502	112,296	111,703	120,679	132,648	135,925	146,029	148,960	141,283
New Jersey Institute of Technology	139	81,240	89,250	91,407	97,088	94,371	96,386	95,235	101,334	124,565	136,801	140,053

TABLE 78

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
Wichita State U.	140	51,068	51,862	50,108	52,831	53,614	49,902	53,092	65,491	66,916	113,618	139,670
U. Louisiana, Lafayette	141	57,333	56,313	51,873	52,089	59,068	55,250	58,984	78,780	102,812	131,601	138,225
Drexel U.	142	115,458	109,729	112,390	118,754	124,464	122,366	120,789	132,507	148,107	140,907	134,792
Georgia State U.	143	61,971	54,221	62,188	79,235	80,955	79,813	103,731	133,242	133,302	126,225	126,387
U. Alabama, Huntsville	144	73,266	72,988	83,076	96,932	85,994	84,745	91,549	89,392	94,519	104,824	124,322
U. Maine	145	106,238	111,129	91,673	77,169	100,493	78,608	78,576	98,748	105,810	121,621	123,000
SUNY, U. Albany	146	356,517	146,987	135,673	135,879	129,434	110,284	105,605	140,392	151,303	161,613	120,484
U. Texas, Dallas	147	75,236	89,767	83,124	93,582	94,961	92,374	99,328	105,140	100,950	113,560	119,531
U. Mississippi	148	100,712	113,281	109,897	98,354	97,286	89,707	102,660	114,674	117,390	137,475	115,972
Cold Spring Harbor Laboratory	149	ne	89,913	84,072	78,236	76,733	84,653	88,943	97,288	115,870	126,773	115,051
U. Idaho	150	85,475	94,345	95,327	93,941	92,512	95,459	99,354	105,475	105,578	107,351	109,184
U. Texas, Arlington	151	62,410	60,003	64,684	72,571	74,261	74,702	82,355	82,065	87,257	100,734	107,017
SUNY, Binghamton U.	152	66,512	65,816	73,098	67,892	63,960	70,367	75,332	88,735	105,017	93,446	105,920
New Mexico State U.	153	146,364	137,301	135,214	136,254	129,124	127,000	103,871	99,975	93,993	100,033	105,817
Augusta U.	154	na	na	na	64,033	64,116	67,736	71,338	99,637	99,043	96,396	103,886
U. Rhode Island	155	84,523	101,202	97,845	94,381	84,393	86,139	90,562	95,197	98,271	107,429	102,059
U. North Dakota	156	76,262	74,636	79,792	68,636	67,199	63,590	69,145	91,958	100,061	100,841	102,047
U. Montana, Missoula	157	62,814	59,617	58,735	59,809	54,808	60,282	69,994	84,109	86,096	96,246	101,504
Rensselaer Polytechnic Institute	158	83,601	84,346	92,348	92,365	104,844	102,122	93,907	96,533	94,221	99,326	100,220
U. Tennessee, Health Science Center	159	81,900	81,216	77,749	71,897	67,841	65,771	71,547	73,393	79,460	96,979	99,716
Rush U.	160	73,398	79,212	80,300	81,770	80,551	79,048	73,351	74,062	89,101	96,267	94,438
U. Wyoming	161	53,957	55,320	63,812	63,149	48,736	54,928	108,552	121,927	112,857	79,928	91,738

TABLE 78

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, San Antonio	162	51,480	50,496	48,700	48,599	42,318	50,012	49,383	64,143	66,192	75,719	91,606
U. Oregon	163	83,545	87,161	87,656	78,654	77,655	65,226	68,631	72,517	83,132	82,231	88,598
U. Texas, El Paso	164	64,134	67,576	72,033	73,005	70,475	77,515	80,981	83,892	80,824	92,205	87,437
U. Massachusetts, Lowell	165	55,120	55,257	53,980	51,465	52,595	57,435	58,437	60,735	65,060	76,770	85,346
U. Maryland, Baltimore County	166	81,894	83,155	65,628	62,887	64,329	67,944	69,404	69,926	70,358	76,918	79,669
San Diego State U.	167	95,064	91,789	75,670	69,338	77,474	76,131	74,504	70,862	69,858	74,733	78,865
Syracuse U.	168	76,808	56,598	56,192	48,195	48,034	49,384	53,864	78,329	78,642	83,679	77,690
U. Nevada, Las Vegas	169	42,202	37,711	33,130	34,299	38,229	39,564	49,405	53,073	62,711	73,777	77,606
Colorado School of Mines	170	43,403	45,816	55,925	57,778	58,498	57,425	59,576	58,175	58,288	67,310	74,763
Michigan Technological U.	171	60,183	66,812	67,977	66,192	64,791	66,135	68,863	68,681	75,194	76,853	74,731
U. Alabama, Tuscaloosa	172	39,992	52,601	52,021	49,728	47,920	51,555	53,395	52,151	59,911	68,032	72,260
Cleveland State U.	173	33,857	55,044	60,481	67,137	61,291	56,683	70,665	77,518	77,203	73,854	72,092
Saint Louis U.	174	46,589	52,134	48,303	47,174	42,316	40,831	40,426	53,643	55,913	61,907	66,858
U. Southern Mississippi	175	41,480	45,207	54,151	44,912	45,127	41,432	47,195	49,769	49,785	65,249	64,496
Indiana U.-Purdue U., Indianapolis	176	290,490	314,004	308,101	325,562	316,650	51,479	52,050	51,783	54,270	58,150	62,791
Northern Arizona U.	177	27,281	28,581	27,078	30,134	30,903	34,731	38,800	45,572	52,105	57,763	62,548
U. California, Office of the President	178	72,542	63,420	65,627	67,447	50,103	48,233	39,051	46,399	55,676	67,702	60,686
South Dakota State U.	179	67,269	69,646	68,554	63,751	58,199	57,433	60,582	63,328	63,287	66,462	60,600

TABLE 78

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
Van Andel Research Institute	180	ne	ne	ne	ne	ne	40,502 i	40,040 i	44,578 i	55,171	61,738	58,982
Old Dominion U.	181	76,710	80,696	79,305	76,187	52,832	48,418	53,097	54,635	51,747	59,858	58,862
Naval Postgraduate School	182	96,067	95,153	124,531	89,616	91,400	74,293	54,558	52,404	52,551	60,522	58,276
U. North Texas, Denton	183	22,762	34,421	40,796	43,342	39,453	38,001	30,858	35,443	37,731	54,523	57,764
William & Mary	184	51,453	48,835	46,547	48,183	49,428	52,642	54,491	54,197	54,508	55,687	55,857
U. Wisconsin-Milwaukee	185	58,417	56,845	52,271	47,568	51,316	55,883	50,661	48,017	53,585	50,950	54,782
Brandeis U.	186	67,672	71,638	69,489	69,398	67,048 i	68,690 i	56,871	62,745 i	56,750	56,738	54,662
U. Memphis	187	40,589	39,315	41,841	39,306	44,351	37,539	40,374	41,192	50,819	47,225	54,193
U. Maryland Center for Environmental Science	188	42,670	50,007	48,224	53,683	50,814	49,341	52,861	54,491	53,398	55,121	53,676
U. Toledo	189	66,839	70,164	63,348	63,119	56,710	48,391	45,687	46,697	48,184	52,655	51,843
U. South Alabama	190	30,012	36,975	34,194	34,737	33,994	38,245	42,466	40,629	40,519	51,968	50,571
Florida Atlantic U.	191	41,896	47,027	46,782	22,594	21,760	19,718	25,158	42,918	44,634	46,399	50,002
Rochester Institute of Technology	192	33,537	29,709	31,893	32,199	31,471	36,030	39,952	45,563	43,679	49,949	49,572
Wright State U.	193	48,396	47,795	45,901	49,760	54,456	53,881	55,241	59,263	67,615	63,779	48,974
Mercer U.	194	26,862	28,998	31,352	28,876	30,162	32,771	31,653	29,366	34,098	44,037	48,955
U. Texas Rio Grande Valley	195	na	na	na	na	na	na	27,400	28,547	25,623	42,714	47,610
U. North Texas, Health Science Center	196	38,862	45,943	46,865	44,904	47,002	46,335	50,567	48,476	49,503	50,124	47,392
East Carolina U.	197	23,370	25,727	29,468	36,425	29,169	26,248	25,251	25,551	36,066	47,612	47,123
Missouri U. of Science and Technology	198	37,259	36,325	33,797	35,400	38,509	35,144	35,531	37,958	42,657	47,521	46,813

TABLE 78

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 Carolina, Charlotte	199	28,216	24,323	22,504	21,744	20,646	21,836	23,610	24,190	34,870	42,697	45,181
CUNY, City C.	200	45,050	56,734	56,618	54,316	52,072	51,905	61,354	53,738	53,132	51,305	44,175
Howard U.	201	38,626	41,471	44,587	41,351	38,366	45,764	40,412	44,613	44,592	43,227	44,077
U. California, Merced	202	20,730	20,307	21,826	21,730	22,612	28,278	27,185	32,448	35,753	42,611	43,421
Louisiana State U., Health Sciences Center, New Orleans	203	59,776	57,007	53,712	49,443	45,486	46,840	43,067	40,785	38,989	40,914	43,419
Boston C.	204	36,960	30,446	30,436	30,700	28,326	26,123	40,724	43,825	42,801	44,768	43,168
Texas Tech U., Health Sciences Center	205	51,282	58,774	61,219	61,309	36,932	39,261	38,717	38,657	36,784	42,959	43,102
Stevens Institute of Technology	206	32,230	39,973	29,893	26,788	28,917	33,042	34,413	34,018	31,565	35,477	42,640
Ohio U.	207	44,428	43,399	42,798	44,746	58,238	57,786	55,828	57,321	49,518	45,581	42,369
Worcester Polytechnic Institute	208	17,154	20,647	18,558	23,780	26,544	33,910	34,921	31,662	31,477	37,822	41,949
Southern Illinois U., Carbondale	209	69,924	71,130	71,097	70,854	65,256	57,509	53,172	48,416	49,636	41,729	41,617
SUNY, Upstate Medical U.	210	43,824	39,988	35,897	34,286	33,460	32,453	31,892	35,551	36,674	38,091	41,557
San Jose State U.	211	32,947	34,075	29,554	32,100	36,354	39,833	38,326	36,594	38,252	39,818	40,474
Texas State U.	212	19,496	19,243	24,285	26,671	25,910	29,934	30,064	28,479	29,444	35,440	39,242
Boise State U.	213	18,045	23,519	26,885	24,027	25,351	29,955	30,384	32,279	37,959	35,528	38,919
Loyola U., Chicago	214	42,120	40,994	44,785	50,150	48,996	47,000	41,152	38,070	37,049	37,210	38,210
American U.	215	16,809	18,212	18,404	23,794	38,038	25,350	28,170	26,551	31,906	39,531	37,505
U. Puerto Rico, Medical Sciences Campus	216	39,134	64,017	45,649	43,374	40,444	43,316	46,232	42,423	41,216	45,014	37,217

TABLE 78

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	217	39,387	31,864	28,869	29,875	30,021	30,305	35,220	37,929	33,865	38,998	36,827
Lehigh U.	218	34,897	29,639	28,949	31,003	32,860	33,693	30,375	33,752	35,849	35,414	36,427
Air Force Institute of Technology	219	28,318	30,090	30,609	26,234	23,335	26,323	29,722	35,703	33,360	34,016	35,584
U. Missouri, Kansas City	220	24,461	27,000	23,902	23,521	26,452	24,097	23,955	22,806	22,857	30,096	34,695
Florida A&M U.	221	30,282	33,719	31,375	33,538	29,895	31,676	32,856	33,024	34,437	36,605	34,194
CUNY, Hunter C.	222	35,751	35,645	36,085	36,741	35,702	33,483	33,508	26,496	29,752	32,773	33,951
Kent State U.	223	24,616	24,388	23,353	19,962	21,785	25,917	21,951	27,413	26,703	32,867	33,929
Brigham Young U., Provo	224	27,766	29,980	26,499	30,076	30,797	31,849	35,512	36,791	34,276	33,275	33,810
Portland State U.	225	40,203	41,692	40,939	38,785	39,134	36,355	38,717	36,595	36,526	38,726	33,654
U.S. Air Force Academy	226	54,509	70,285	43,512	49,471	41,539	35,157	50,659	40,635	33,467	34,940	33,308
SUNY, Downstate Medical Center	227	32,512	41,993	43,257	39,354	33,331	28,652	33,735	31,873	34,661	36,015	33,204
North Carolina Agricultural and Technical State U.	228	35,216	34,725	33,963	33,251	34,160	34,514	31,782	35,285	34,714	33,297	31,382
Baylor U.	229	8,452	10,277	8,184	11,877	17,877	20,721	22,237	25,052	25,289	26,291	31,313
San Francisco State U.	230	24,959	25,772	29,447	31,948	28,710	26,178	25,149	26,712	27,841	29,667	30,779
Morehouse School of Medicine	231	30,669	33,946	37,586	36,638	41,858	33,367	38,774	35,454	33,215	31,289	29,813
Marquette U.	232	13,124	16,525	15,208	16,257	17,267	19,985	21,968	23,692	24,623	28,856	29,152
Illinois Institute of Technology	233	34,348	40,199	32,148	36,426	30,938	33,810	29,430	32,362	32,566	34,220	29,003
SUNY, C. of Environmental Science and Forestry	234	26,916	25,007	23,117	21,225	19,013	22,036	24,221	27,755	26,559	28,979	29,000

TABLE 78

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	235	15,034	15,146	13,626	15,161	19,058	22,985	21,911	25,644	28,077	29,296	28,246
Southern Methodist U.	236	16,121	22,008	20,917	17,972	24,443	20,538	22,729	21,128	21,505	27,503	26,882
Desert Research Institute	237	34,367	35,331	33,056	27,695	23,778	22,103	29,422	29,440	27,875	26,991	26,428
U. Puerto Rico, Mayaguez	238	25,536	33,509	31,143	28,041	25,920	26,986	24,908	25,328	23,764	26,092	25,896
U. Minnesota, Duluth	239	20,237	22,301	20,863	20,818	21,122	26,958	26,949	24,452	24,693	26,859	25,634
Nova Southeastern U.	240	9,740	11,912	12,599	12,415	13,532	14,439	18,991	22,021	22,406	24,277	25,476
U. Massachusetts, Dartmouth	241	24,312	23,708	21,556	25,559	25,879	23,875	24,363	24,336	24,536	26,554	25,326
Louisiana State U., Health Sciences Center, Shreveport	242	30,817	31,021	29,365	28,266	25,004	24,069	23,353	22,560	24,463	26,262	25,321
Rowan U.	243	2,610	3,185	3,657	2,729	8,118	7,921	10,113	12,710	15,818	21,980	25,269
Loma Linda U.	244	32,915	37,169	29,762	29,799	23,120	25,417	22,956	21,846	22,922	24,408	25,077
U. South Dakota	245	27,511	25,321	27,060	30,364	27,367	21,671	22,543	24,830	27,168	28,456	24,766
New Mexico Institute of Mining and Technology	246	51,696	43,857	37,875	32,442	48,260	26,222	19,238	20,404	21,260	24,523	24,267
Catholic U. of America	247	20,871	24,933	24,275	22,795	22,009	23,817	24,360	23,337	24,269	23,402	24,099
California Polytechnic State U., San Luis Obispo	248	19,148	15,489	15,939	15,098	14,648	15,666	17,559	17,304	15,860	24,954	23,679
Albany Medical C.	249	22,953	20,876	17,735	15,093	16,093	18,043	20,166	20,443	21,187	23,028	23,510
Delaware State U.	250	14,723	17,993	15,416	17,260	17,654	15,964	20,384	19,136	18,916	22,512	23,353

TABLE 78

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
Rutgers, State U. New Jersey, Newark	251	25,953	31,714	31,287	29,110	23,235	19,913	18,412	21,586	23,190	21,291	23,118
U. Nebraska, central administration	252	ne	ne	ne	ne	ne	ne	ne	ne	12,713	17,697	22,814
U. Denver	253	12,348	13,018	11,575	12,716	11,216	10,614	16,858	18,327	21,618	21,642	22,612
U. Akron	254	47,558	52,881	59,765	62,331	64,270	54,089	57,351	39,566	31,789	29,090	22,595
Teachers C., Columbia U.	255	15,149	17,459	19,829	18,538	19,457	22,359	22,868	23,189	23,261	24,234	22,170
U. Alaska, Anchorage	256	11,328	12,380	13,004	13,022	15,112	15,396	18,382	18,646	19,254	20,655	22,123
Miami U.	257	14,561	14,795	21,151	17,875	16,035	14,904	14,111	15,482	17,120	19,280	21,808
California State U., Sacramento	258	11,673	13,822	12,056	12,444	11,783	16,585	17,705	17,647	18,017	20,279	21,425
U. Texas Health Science Center, Tyler	259	ne	ne	ne	ne	ne	12,191	11,799	16,292	17,949	19,606	21,265
Tuskegee U.	260	14,258	14,321	13,188	17,094	24,066	20,704	16,508	16,508	13,402	20,562	20,973
Eastern Virginia Medical School	261	44,420	36,569	37,745	44,183	43,917	42,296	32,550	28,671	30,010	27,064	20,870
Texas A&M U.-Kingsville	262	14,213	14,572	14,824	15,308	18,371	18,170	18,849	19,360	18,443	19,537	20,568
Villanova U.	263	9,191	9,281	7,831	6,931	11,645	12,208	12,934	15,189	16,376	18,225	20,414
Louisiana Tech U.	264	20,752	21,641	20,265	18,983	17,088	17,744	16,639	17,079	18,089	19,760	20,371
New York Medical C.	265	28,400	27,316	23,277	20,243	17,908	17,653	17,311	15,637	8,141	19,398	20,137
California State U., Northridge	266	16,747	9,795	15,619	9,466	12,628	12,053	12,471	15,336	17,036	18,758	19,405
Marshall U.	267	24,398	26,268	18,998	19,607	20,154	19,835	18,777	16,423	18,043	17,823	19,020
Creighton U.	268	25,432	28,907	29,911	27,709	24,073	22,228	21,843	22,310	18,896	22,278	18,899
U. Tulsa	269	22,690	18,703	19,895	21,186	26,460	24,135	21,347	20,567	19,797	18,180	18,487
U. Puerto Rico, Rio Piedras	270	27,780	30,139	31,877	26,755	26,656	26,544	22,610	17,600	13,889	18,019	17,888
Embry-Riddle Aeronautical U.	271	12,189	10,705	14,225	11,575	14,741	11,528	16,409	13,133	16,601	12,307	17,436
Florida Institute of Technology	272	11,427	9,749	9,187	9,195	10,564	11,201	15,196	18,040	16,343	16,847	17,276

TABLE 78

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
Morgan State U.	273	12,768	12,544	17,470	14,942	15,337	13,406	15,353	14,527	12,727	12,791	16,919
Northern Illinois U.	274	23,353	17,672	18,147	18,866	15,165	13,660	16,515	12,565	18,965	18,337	16,675
Prairie View A&M U.	275	12,557	15,226	14,523	13,174	12,248	12,932	12,511	13,455	14,766	15,538	16,103
Central Michigan U.	276	3,229	5,865	8,190	9,996	11,506	9,725	10,304	11,521	13,406	15,607	16,050
California State U., Long Beach	277	14,762	14,006	13,250	12,494	9,746	8,108	14,175	16,993	18,408	17,459	15,900
Northeast Ohio Medical U.	278	10,819	13,581	13,358	12,722	15,916	17,103	18,823	19,216	18,218	18,007	15,756
CUNY, Queens C.	279	16,233	22,831	22,067	18,601	22,053	18,332	18,538	15,522	15,969	17,643	15,606
U. North Carolina, Greensboro	280	12,818	16,230	12,590	12,629	15,735	16,673	16,129	14,416	14,374	16,500	15,364
Western Michigan U. and Homer Stryker M.D. School of Medicine	281	14,432	15,875	13,546	12,821	13,500	13,375	11,974	17,687	15,913	15,160	15,350
U. North Carolina, Wilmington	282	20,618	19,961	17,015	15,490	12,212	13,166	13,597	14,000	15,058	16,039	15,005
Jackson State U.	283	38,114	39,867	38,027	32,119	24,132	22,163	22,408	21,272	18,972	18,057	14,979
Tennessee State U.	284	11,253	11,961	14,108	15,149	19,437	19,208	18,324	16,247	16,355	14,376	14,913
Rosalind Franklin U. of Medicine and Science	285	12,426	14,261	15,587	17,401	17,794	16,604	16,760	17,006	16,765	16,126	14,601
Kennesaw State U.	286	1,401	1,374	1,738	2,100	1,881	1,316	6,279	7,728	8,006	20,195	14,555
South Dakota School of Mines and Technology	287	28,572	32,010	18,991	12,156	10,472	14,970	15,396	15,541	15,092	12,973	14,490

TABLE 78

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 Illinois U., Edwardsville	288	30,958	33,318	25,608	24,594	17,215	18,248	17,243	15,559	16,914	15,513	14,260
Idaho State U.	289	19,234	21,047	20,764	21,476	19,962	17,540	20,305	18,398	17,659	14,560	14,232
Clarkson U.	290	18,289	17,772	14,787	12,009	13,642	13,194	12,799	14,180	15,780	16,211	14,095
Langston U.	291	4,492	5,206	5,326	4,932	8,512	8,126	10,941	10,592	10,459	10,326	13,954
Chapman U.	292	2,135	2,098	2,396	2,734	3,189	3,074	5,023	8,568	9,895	12,498	13,951
Humboldt State U.	293	7,505	9,520	9,464	7,999	8,242	11,173	16,084	15,914	14,983	14,891	13,899
Meharry Medical C.	294	27,001	29,055	25,559	22,532	18,997	13,998	14,768	16,782	16,980	18,286	13,870
Duquesne U.	295	12,078	13,603	12,858	12,385	13,019	13,767	14,211	14,396	14,121	13,176	13,851
Alcorn State U.	296	10,280	11,397	11,515	11,315	10,060	9,396	8,204	16,129	13,834	14,435	13,710
North Carolina Central U.	297	6,870	9,043	10,573	8,190	10,158	10,971	10,539	11,689	11,299	13,352	13,699
U. New Orleans	298	25,932	23,290	22,275	19,790	17,182	16,980	14,551	13,436	12,148	12,713	13,686
Charles R. Drew U. of Medicine and Science	299	22,152	22,150	20,580	18,250	20,686	14,128	13,360	15,652	11,490	13,739	13,682
U. of the Virgin Islands	300	31,272	21,373	24,543	18,374	14,732	19,456	21,215	12,031	11,853	11,668	13,622
East Tennessee State U.	301	9,185	9,496	10,657	8,506	6,954	6,173	7,680	9,146	13,694	13,903	13,618
Tennessee Technological U.	302	16,152	11,809	9,138	8,705	9,410	9,804	9,776	11,467	12,227	13,107	13,613
Texas Christian U.	303	3,815	3,841	5,105	5,342	5,132	5,095	4,053	4,330	3,279	4,291	13,590
U. Hawaii, system office	304	ne	ne	ne	ne	ne	ne	ne	ne	12,340	12,159	13,568
Ponce Health Sciences U.	305	8,934	10,502	11,586	7,241	5,710	7,520	7,992	8,664	7,857	11,390	13,566
Missouri State U.	306	7,737	5,576	4,340	3,879	3,677	3,516	3,027	3,104	4,391	5,669	13,020
Montana Technological U.	307	7,424	6,705	11,765	11,059	11,348	11,595	11,851	13,059	12,666	12,731	12,987

TABLE 78

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. Nebraska, Omaha	308	6,783	7,903	7,536	7,966	7,640	6,688	9,093	10,637	10,987	11,775	12,878
Oakland U.	309	11,796	14,725	15,439	14,033	12,515	15,015	14,083	12,757	11,961	17,226	12,851
U.S. Naval Academy	310	11,093	10,543	9,156	10,476	10,661	9,609	11,364	13,524	14,057	13,481	12,827
U. Missouri, Saint Louis	311	10,050	12,344	12,840	13,156	14,632	9,991	10,876	10,411	10,708	12,865	12,676
U. Guam	312	5,555	5,477	5,975	5,873	6,790	5,919	7,351	8,803	11,053	12,001	12,674
Tarleton State U.	313	9,931	9,720	8,646	7,854	9,961	8,956	8,880	10,250	11,960	11,566	12,253
CUNY, Graduate School of Public Health and Health Policy	314	na	na	na	na	na	na	na	na	8,636	9,521	12,177
California State U., San Marcos	315	5,049	5,044	5,040	5,034	4,470	4,637	5,212	4,962	7,185	9,446	11,918
U.S. Military Academy	316	19,763	12,314	11,702	11,612	13,247	13,135	12,281	7,247	6,313	6,432	11,872
Bowling Green State U.	317	8,030	8,834	8,426	12,808	8,630	6,263	10,999	9,374	9,570	10,112	11,699
Xavier U. Louisiana	318	8,022	9,836	10,606	8,789	9,335	9,588	12,060	12,372	11,586	9,999	11,335
CUNY, Advanced Science Research Center	319	na	na	na	na	na	569	ne	3,293	5,462	8,300	11,226
Hampton U.	320	14,455	12,292	15,290	12,620	11,153	14,767	13,572	15,908	13,669	12,943	10,842
Montclair State U.	321	1,368	3,373	4,470	4,005	3,342	3,433	4,250	4,006	4,965	7,960	10,604
U. West Florida	322	4,079	3,551	2,559	4,004	5,080	5,180	12,310	12,461	15,710	12,175	10,496
Midwestern U.	323	3,596	4,022	5,200	6,292	7,310	8,560	7,732	9,207	10,173	10,343	10,479
Western Washington U.	324	6,630	7,738	6,501	6,577	6,768	7,619	7,997	9,294	10,912	9,896	10,315
Texas Tech U., Health Sciences Center, El Paso	325	ne	ne	ne	ne	22,634	18,186	16,674	15,526	12,145	11,649	10,294

TABLE 78

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
California State U., Los Angeles	326	7,178	8,682	6,876	7,192	4,881	4,461	4,860	8,031	9,487	12,083	10,188
Long Island U.	327	630	672	671	676	ne	ne	611	1,602	1,731	4,858	10,148
Georgia Southern U.	328	3,164	3,505	5,185	17,287	19,584	16,456	16,465	15,221	12,150	9,634	10,049
Clark U.	329	5,237	6,032	7,041	5,481	5,644	6,357	6,404	7,408	7,650	9,426	9,795
New School	330	3,167	3,277	3,695	5,919	3,843	5,254	15,747	11,123	8,112	9,179	9,255
U. Tennessee, Chattanooga	331	8,786	7,308	8,865	5,928	4,627	5,318	3,962	4,814	5,834	7,337	9,060
U. Arkansas, Little Rock	332	9,754	11,320	10,245	11,994	7,055	6,276	6,971	6,050	7,079	9,134	8,883
Arkansas State U., Jonesboro	333	11,043	13,339	14,064	10,320	7,956	8,391	8,158	7,936	8,238	8,906	8,637
U. Arkansas, Pine Bluff	334	8,343	9,415	9,073	8,909	8,198	8,425	8,873	8,136	8,314	9,005	8,527
California State U., Fresno	335	8,117	8,296	8,283	7,117	7,303	7,248	7,431	7,228	8,414	8,241	8,347
Oklahoma State U., Center for Health Sciences	336	4,398	2,815	2,122	2,137	1,805	1,625	1,924	2,374	2,497	5,339	8,342
Clark Atlanta U.	337	8,515	8,205	10,405	9,156	9,172	9,929	8,482	7,948	7,810	8,508	8,259
Alabama A&M U.	338	30,297	28,813	28,573	28,335	28,095	27,855	23,784	19,887	15,989	12,089	8,237
U. Michigan, Dearborn	339	6,377	7,025	5,720	6,419	7,744	7,179	7,050	7,664	7,411	8,092	8,141
U. Maryland, Eastern Shore	340	8,692	8,664	7,265	8,786	8,982	9,631	8,175	7,403	4,941	7,128	8,092
Kentucky State U.	341	4,887	4,559	6,843	5,580	5,694	6,017	7,060	8,151	9,125	8,432	7,963
Virginia State U.	342	6,907	8,094	10,060	9,213	8,175	7,657	7,948	8,053	8,674	9,223	7,826
Edward Via C. of Osteopathic Medicine	343	ne	2,453	2,576	4,992	2,633	2,237	5,692	8,119	7,601	7,225	7,475
California State U., San Bernardino	344	2,630	7,266	7,472	10,872	12,572	14,342	9,725	10,319	11,535	12,419	7,415
Illinois State U.	345	5,622	5,492	4,852	5,155	5,212	5,042	5,586	4,658	5,157	6,584	7,206

TABLE 78

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		
California State Polytechnic U., Pomona	346	4,040	4,737	4,599	6,702	i	5,349	4,513	5,254	5,732	7,538	5,323	7,151	
Norfolk State U.	347	5,944	6,930	8,336	6,179	6,780	5,122	7,196	7,237	6,877	7,935	7,121		
Western Kentucky U.	348	9,527	8,003	10,259	8,744	7,398	6,936	7,480	9,062	8,003	7,872	7,022		
U. Hawaii, Hilo	349	11,567	5,927	14,841	11,607	9,242	14,431	11,216	6,976	7,048	6,818	6,957		
U. New England	350	3,560	4,016	5,217	6,637	7,456	7,360	7,289	7,817	6,668	7,346	6,881		
Ball State U.	351	4,780	9,159	4,701	3,616	4,364	4,810	5,689	5,215	6,412	7,025	6,771		
Eastern Michigan U.	352	5,388	5,044	5,428	2,655	1,244	1,509	2,642	3,467	3,637	4,706	6,584		
CUNY, Brooklyn C.	353	6,266	8,706	8,485	7,631	8,232	8,553	9,205	6,748	6,054	6,299	i	6,518	
Grand Valley State U.	354	4,968	6,296	i	7,624	i	8,954	7,934	7,213	6,595	6,268	6,729	6,204	6,354
James Madison U.	355	6,858	7,075	8,428	5,539	4,516	3,700	3,283	3,108	3,859	4,968	6,169		
Central State U.	356	3,060	3,694	3,490	2,769	2,025	1,508	1,643	2,008	3,615	3,766	6,107		
Wesleyan U.	357	7,599	9,356	8,162	7,280	6,017	6,330	6,760	7,589	8,529	7,714	5,971		
California State U., Bakersfield	358	2,083	3,130	1,115	2,380	2,254	2,857	2,725	3,751	4,633	6,612	5,902		
Toyota Technological Institute, Chicago	359	ne	746	ne	ne	ne	2,543	2,710	2,880	3,251	3,681	5,887		
Lincoln U., Jefferson City	360	8,475	8,518	7,899	6,585	6,742	6,296	5,826	5,164	4,215	4,581	5,777		
West Virginia State U.	361	3,770	4,176	5,087	4,467	6,689	7,364	5,224	6,305	6,535	5,763	5,775		
California State U., Monterey Bay	362	5,305	6,959	6,567	6,129	4,780	5,459	5,679	5,384	5,702	6,192	5,763		
Sam Houston State U.	363	6,045	2,637	3,643	3,225	3,235	2,804	3,170	3,408	5,622	6,180	5,758		
DePaul U.	364	4,302	5,256	5,344	4,828	5,681	8,506	8,590	7,590	6,325	5,241	5,754		
California State U., East Bay	365	1,312	1,644	1,039	934	ne	ne	837	ne	ne	ne	5,515		
Bryn Mawr C.	366	4,482	4,807	6,247	5,429	5,329	6,369	6,136	6,270	5,708	4,971	5,508		
U. North Florida	367	6,316	8,773	6,620	4,126	2,657	3,160	4,366	5,059	5,666	5,439	5,490		

TABLE 78

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
West Texas A&M U.	368	5,741	4,307	4,346	4,122	3,663	3,924	3,776	4,690	4,441	5,021	5,488
Fordham U.	369	5,212	4,494	5,624	6,704	7,086	6,352	9,477	8,429	7,336	6,623	5,472
California State U., Fullerton	370	11,147	14,330	11,094	10,230	7,104	5,318	5,029	4,890	5,724	6,017	5,457
Claremont McKenna C.	371	4,788	4,425	5,365	5,414	5,463	ne	6,054	5,818	5,299	5,923	5,403
St. Edward's U.	372	ne	3,299	2,480	2,640	1,745	4,200	3,720	7,161	2,813	5,813	5,377
U. Southern Maine	373	3,125	7,236	13,682	11,527	6,723	5,095	3,465	6,550	6,696	6,058	5,180
William Paterson U.	374	574	753	ne	ne	ne	ne	803	1,592	3,691	4,424	4,972
Wellesley C.	375	5,271	4,130	5,253	6,156	6,537	5,653	6,896	5,489	4,896	5,076	4,957
Fort Valley State U.	376	4,586	3,850	3,665	3,688	4,547	4,320	5,138	5,374	3,916	4,562	4,921
Western U. of Health Sciences	377	1,283	900	2,773	2,218	2,384	2,219	3,717	5,740	4,063	3,936	4,866
U. of Health Sciences and Pharmacy in St. Louis	378	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	4,835
Middle Tennessee State U.	379	3,370	2,825	5,491	3,384	1,522	1,965	3,971	4,092	3,735	4,474	4,780
U. Detroit Mercy	380	1,084	1,127	933	ne	1,305	1,872	3,649	2,737	4,577	5,170	4,756
U. Wisconsin-Stevens Point	381	6,674	6,063	5,452	4,300	3,876	3,404	2,933	3,377	3,822	4,266	4,713
Morehouse C.	382	7,704	8,280	8,856	9,169	6,973	5,836	4,199	3,663	4,365	4,427	4,686
U. Oklahoma, Tulsa	383	ne	ne	ne	ne	ne	2,554	3,107	2,667	3,868	4,003	4,591
CUNY, John Jay C. of Criminal Justice	384	4,354	4,125	5,001	3,799	3,726	3,515	3,252	3,738	5,893	2,986	4,557
Pacific U.	385	1,567	927	481	2,387	1,094	978	1,509	5,299	4,156	6,607	4,540
Loyola Marymount U.	386	1,364	3,938	2,369	2,285	3,610	3,286	4,168	4,075	4,120	4,322	4,489

TABLE 78

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 U. and A&M C., Agricultural Research and Extension Center	387	ne	6,143	8,122	5,530	5,606	4,761	4,704	5,000	i	5,296	5,448	4,475										
Haverford C.	388	3,603	i	2,765	i	2,588	i	2,370	i	2,546	i	2,266	i	1,750	i	1,945	i	2,630	i	3,324	i	4,473	i
Salisbury U.	389	844	880	2,689	2,587	3,677	4,180	4,523	3,679	4,867	4,870	4,432											
Purdue U., Northwest	390	na	na	na	na	na	na	na	4,920	4,695	3,111	4,415											
Dakota State U.	391	ne	1,015	5,709	1,574	1,446	1,152	2,026	2,276	3,610	3,706	4,412											
Des Moines U.	392	855	924	ne	ne	929	ne	1,206	1,355	1,351	1,643	4,395											
U. Colorado Colorado Springs	393	8,805	6,935	3,996	3,688	4,312	5,962	5,679	5,611	4,730	3,440	4,385											
Roseman U. of Health Sciences	394	ne	840	ne	ne	3,021	3,287	3,433	4,167	3,973	4,176	i	4,380										
Winston-Salem State U.	395	ne	743	1,280	436	ne	ne	1,069	1,175	1,289	1,468	4,378											
Claremont Graduate U.	396	5,068	1,100	6,200	7,030	5,907	i	5,252	i	4,598	i	3,944	i	3,290	i	2,634	4,365						
U. Massachusetts, central office	397	ne	ne	485	131	339	517	1,690	2,894	3,308	3,437	4,272											
C. Charleston	398	11,422	6,446	7,217	8,078	7,121	7,327	6,955	6,740	5,450	5,206	4,142											
Appalachian State U.	399	2,550	3,498	4,196	2,877	3,977	3,507	2,868	4,318	3,387	3,060	4,141											
Smith C.	400	4,215	4,156	3,777	3,688	4,047	5,006	4,124	5,211	5,360	5,330	4,047											
Youngstown State U.	401	4,518	4,625	3,533	3,713	3,410	3,331	2,333	4,416	4,435	4,368	3,996											
Amherst C.	402	2,622	3,230	3,618	i	4,007	3,171	3,401	3,072	3,105	3,546	5,380	3,991										
Texas Southern U.	403	4,744	4,255	4,424	5,518	2,855	3,089	3,764	4,702	2,637	4,893	3,979											
U. of the District of Columbia	404	5,012	3,700	4,011	3,073	2,361	2,043	3,469	3,733	2,960	4,043	3,942											

TABLE 78

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 Carolina, general administration	405	ne	ne	ne	ne	ne	4,197	4,137	3,721	4,779	4,154	3,932
U. Central del Caribe	406	7,122	7,515	7,313	7,095	7,181	6,964	7,090	5,634	4,111	3,953	3,931
Fisk U.	407	7,686	4,631	4,058	5,429	7,366	7,247	7,681	4,333	2,781	4,606	3,904
U. San Diego	408	2,567	2,340	2,485	2,552	2,873	2,332	2,566	3,543	3,491	3,742	3,900
Bucknell U.	409	5,169	4,618	3,623	3,867	4,143	3,790	4,005	4,321	4,639	4,061	3,857
Albany C. of Pharmacy and Health Sciences	410	3,074	3,496	2,639	2,637	3,200	2,520	1,789	2,561	2,730	3,381	3,765
U. of the Sciences Philadelphia	411	1,945	2,314	2,341	2,087	2,586	3,366	3,187	3,954	3,671	3,740	3,761
Memorial Sloan Kettering Cancer Center, Louis V. Gerstner Jr. Graduate S. of Biomedical Sciences	412	ne	2,342	2,562	2,979	3,356	3,089	3,177	3,285	3,502	3,769	3,737
U. New Haven	413	ne	595	456	728	511	518	2,535	985	5,577	5,045	3,736
California State U., Chico	414	2,710	2,288	2,430	2,833	2,284	1,676	2,152	1,474	2,298	2,562	3,671
Indiana U. Pennsylvania	415	767	967	958	337	414	ne	628	1,798	2,474	3,637	3,668
Reed C.	416	1,904	1,839	1,837	2,395	3,091	3,050	3,213	1,415	2,607	3,240	3,662
CUNY, Graduate Center	417	6,799	4,964	6,861	8,835	5,719	4,144	4,979	5,727	4,145	4,163	3,613
Azusa Pacific U.	418	ne	3,414	1,930	ne	ne	3,953	4,996	4,330	4,207	2,731	3,609
Williams C.	419	4,691	4,165	4,080	3,127	3,213	4,461	4,506	4,393	4,372	3,735	3,549
Touro U.	420	999	1,196	1,993	1,772	3,067	3,106	3,466	3,122	3,233	3,543	3,539
CUNY, C. Staten Island	421	3,137	2,162	3,151	2,477	2,089	1,907	2,780	2,988	3,644	3,517	3,534

TABLE 78

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.	422	0	899 i	1,034 i	632 i	2,472 i	2,058 i	1,406	1,481	1,684	2,756	3,526
SUNY, C. of Optometry	423	3,529	3,738	3,466	3,637	3,481	3,906	4,169	3,304	3,120	2,968	3,477
New York Institute of Technology	424	1,785	1,934	2,056	3,214	4,916	3,507	3,846	3,094	3,663	5,705	3,473
U. Baltimore	425	3,606	4,452	3,894	3,865	3,951	4,091	5,188	4,972	3,794	3,474	3,456
Florida Gulf Coast U.	426	3,841	3,611	3,190	2,943	2,150	1,967	2,112	1,888	1,742	1,470	3,454
Barnard C.	427	3,240	3,916	3,611	2,893	2,403	2,562	3,103	3,108	2,938	3,539	3,449
CUNY, Lehman C.	428	2,932 i	3,168	2,982	2,242	2,543	2,613	3,847	4,114	4,657	2,594	3,429
Philadelphia C. of Osteopathic Medicine	429	1,278	2,401	1,898	2,614	2,209	2,561	2,458	2,969	3,059	3,162	3,360
Rutgers, State U. New Jersey, Camden	430	2,573	2,792	2,278	4,923	4,691	4,440	4,192	2,912	2,050	1,889	3,351
Towson U.	431	3,002	3,570	2,529	2,795	2,265	2,200	1,945	2,593	3,033	3,245	3,259
Texas Woman's U.	432	2,155	2,576	3,196	2,067	1,970	1,812	2,635	3,130	3,265	2,996	3,238
Southern U. and A&M C., Baton Rouge	433	6,865	6,819 i	6,773	4,727	3,153	4,054	3,267	3,554	3,532	3,713	3,232
California State U., Maritime Academy	434	ne	3,005 i	2,342	2,180	1,011	1,522	2,205	1,916	3,039	2,959	3,202
Stockton U.	435	ne	1,226	609	ne	1,155	1,297	759	ne	2,560	2,630	3,198
Milwaukee School of Engineering	436	3,944	4,347	4,599	4,351	4,410	4,524	3,930	3,374	3,232	4,026	3,190
U. Washington, Tacoma	437	106	142	261	23	1	1,812	1,784	971	2,105	3,052	3,179
Hope C.	438	3,552	3,605	3,320	3,367	2,719	2,932	2,811	3,213	3,011	2,694	3,157
South Carolina State U.	439	7,166	8,157 i	9,149	6,674 i	7,838 i	9,002 i	12,077 i	13,254	14,021 i	3,010	3,123 i
Pace U.	440	2,413	2,709	3,306	2,914	3,570	3,436	2,946	2,847	2,148	2,384	3,077

TABLE 78

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
MGH Institute of Health Professions	441	ne	587	ne	ne	ne	3,931	2,228	1,839	2,957	3,494	3,014
Murray State U.	442	3,384	3,713	3,341	2,179	2,053	2,341	2,092	2,438	2,860	3,676	2,993
Oregon Institute of Technology	443	ne	258	ne	ne	ne	788	4,027	3,537 i	3,145 i	3,357 i	2,968 i
U. North Carolina, Asheville	444	2,322	2,603	2,575	2,189	1,597	2,046	2,794	2,418	2,641	2,226	2,932
St. John's U., New York	445	1,509	1,697	1,971	2,376	2,392	2,225	1,832	2,200	2,635	2,309	2,930
Grinnell C.	446	1,797	1,072	2,001	2,603	2,336	2,091	2,055	3,174	3,798	3,655	2,921
Gallaudet U.	447	4,975	4,404	4,305	4,468	3,457	3,543	4,014	7,060	7,046	3,255	2,904
U. Northern Iowa	448	2,077	3,451	3,302	3,395	3,510	3,281	3,559	3,248	2,946	3,601	2,870
West Chester U. Pennsylvania	449	4,634 i	7,785	1,914	969	1,294	2,294	3,138	3,302	3,247	3,787	2,862
U. Illinois, Springfield	450	1,808	1,536	2,155	2,205	1,852	2,040	1,293	2,246	2,104	1,727	2,859
Harvey Mudd C.	451	3,214	3,830	3,507	3,531	3,088	3,204	4,302	3,706	3,717	3,292	2,850
Trinity U.	452	1,387	1,355	1,611	2,815	2,499	2,225	2,096	2,712	2,637	3,185	2,834
Alfred U.	453	4,181	5,946	5,377	6,014	4,156	5,064	3,735	3,197	3,628	5,153	2,780
Yeshiva U.	454	314,240	281,334	289,027	271,166	306,826	306,174	46,130	3,258	3,302	2,420	2,763
Carleton C.	455	2,916	3,081	3,529	4,768	4,426	2,718	1,451	1,794	1,918	3,946	2,758
Occidental C.	456	2,154	1,803	1,592	1,634	2,177	1,426	1,907	1,764	1,432	2,458	2,657
Central Washington U.	457	5,132	2,854	2,752	2,087	1,998	2,182	2,751	3,755	3,050	3,205	2,620
U. South Florida, Saint Petersburg	458	659	364	559	1,195	1,498	252	1,093	2,450	2,746	2,689	2,592
National Defense U.	459	ne	ne	ne	4,906	6,712	4,832	5,720	5,723	2,219	2,155	2,583
Alabama State U.	460	13,340	12,340	13,607	1,927	2,236	2,303	2,372	2,253	2,434	2,577	2,582
Pomona C.	460	2,377	3,115	2,694	3,364	3,412	3,234	3,447	2,787	2,425	2,239	2,582
U. Wisconsin-La Crosse	462	3,852	3,366 i	2,879	2,815	3,121	2,948	2,795	2,840	3,178	2,355	2,570

TABLE 78

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
Santa Clara U.	463	3,812	2,327	3,082	2,201	2,772	1,654	2,038	2,026	2,182	2,220	2,569
Bowdoin C.	464	2,532	2,633	4,277	4,025	2,950	2,873	3,079	2,200	2,506	2,677	2,554
Texas A&M U.-Commerce	465	2,147	1,316	1,550	1,758	1,606	1,972	1,409	2,250	2,558	2,428	2,544
Swarthmore C.	466	2,381	2,364	2,684	2,744	2,657	2,215	2,310	2,643	2,690	2,795	2,540
U. Nebraska, Kearney	467	1,441	2,137	948	1,234	1,275	1,216	1,588	3,011	2,091	2,636	2,524
U. South Carolina, Aiken	468	337	750	ne	1,309	1,133	1,154	1,445	2,961	2,582	2,145	2,489
Dillard U.	469	3,707	5,577	7,448	7,692	6,907	9,385	9,459	6,943	6,573	2,730	2,487
Stephen F. Austin State U.	470	7,536	4,664	3,370	2,877	3,207	3,920	2,968	2,801	2,599	3,241	2,456
Northern Kentucky U.	471	2,188	2,214	1,970	1,641	1,867	1,715	1,650	1,517	1,429	2,025	2,411
U. Northern Colorado	472	2,029	1,801	2,012	2,174	3,252	2,670	2,866	3,220	3,722	3,157	2,362
Western Carolina U.	473	2,353	1,419	1,768	1,011	1,048	1,145	1,305	1,431	1,430	2,518	2,352
U. Louisiana, Monroe	474	2,869	2,801	2,439	2,753	2,267	1,640	2,430	2,297	2,123	2,359	2,349
Lamar U.	475	5,316	4,685	3,570	2,564	2,439	2,218	1,824	3,359	3,316	3,196	2,339
Minnesota State U., Mankato	475	3,344	1,990	1,614	1,945	1,798	1,632	3,605	1,849	2,293	2,665	2,339
Framingham State U.	477	ne	ne	ne	ne	ne	ne	ne	1,875	131	ne	2,317
Skidmore C.	478	2,632	1,941	1,758	1,733	1,646	1,620	1,208	1,741	2,451	2,924	2,316
Saginaw Valley State U.	479	585	925	748	576	ne	838	804	978	1,584	2,750	2,301
Western Illinois U.	480	1,210	1,524	4,514	1,983	1,349	778	ne	1,904	2,414	2,307	2,297
U. Wisconsin-Superior	481	5,890	6,187	6,041	ne	3,022	ne	ne	ne	3,060	2,250	2,295
Christopher Newport U.	482	1,096	1,669	1,327	1,173	1,469	1,002	1,036	1,137	1,437	1,961	2,244
CUNY, Baruch C.	483	1,860	1,342	2,143	967	900	1,379	2,315	1,843	1,736	1,987	2,243
Bates C.	484	1,545	1,814	2,031	2,444	1,531	2,725	1,730	1,750	1,508	2,074	2,237

TABLE 78

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
Eastern Washington U.	485	3,171	3,780	2,538	2,027	1,820	2,973	3,276	1,964	2,506	1,971	2,221
SUNY, Buffalo State	486	1,889	2,532	2,970	2,099	1,971	2,355	2,195	1,868	1,905	2,009	2,208
Northwest Indian C.	487	2,271	2,557	2,590	2,760	2,503	1,575	ne	ne	1,649	2,201	2,181
Pittsburg State U.	488	1,759	1,687	1,479	1,536	2,458	2,205	2,162	2,255	2,253	2,513	2,173
Colgate U.	489	2,559	2,109	3,004	2,340	2,226	2,244	2,631	2,728	3,142	3,128	2,163
Spelman C.	490	2,740	1,833	1,874	1,366	1,185	1,035	1,291	1,227	1,673	2,004	2,136
U. Central Arkansas	491	1,700	1,457	1,563	1,444	2,201	2,037	2,132	2,167	2,253	2,150	2,107
Tougaloo C.	492	2,978	2,542	1,865	1,857	1,894	1,868	1,747	2,252	2,860	2,293	2,102
Furman U.	493	2,202	2,023	1,889	1,994	1,513	1,748	1,864	2,029	2,015	1,628	2,079
U. Richmond	494	3,243	3,051	3,302	2,602	2,921	2,484	2,559	2,532	2,301	2,311	2,073
Sul Ross State U.	495	2,970	3,101	2,296	2,159	2,528	2,187	1,908	2,498	2,934	2,352	2,068
U. of St. Thomas (MN)	496	1,003	1,037	751	1,019	647	ne	909	929	1,344	1,395	2,047
U. Ana G. Mendez, Gurabo	497	1,054	410	615	566	2,319	1,780	1,747	1,640	1,388	3,823	2,025
Keck Graduate Institute	498	ne	2,313	1,920	2,357	2,132	1,708	1,799	1,859	1,850	1,969	2,023
Hobart and William Smith Colleges	499	1,320	1,355	1,120	2,042	1,100	654	ne	923	ne	1,846	2,007
Fayetteville State U.	500	2,188	2,378	1,771	2,050	2,499	2,092	3,040	2,502	2,501	2,224	1,985
Austin Peay State U.	501	ne	1,603	1,358	1,413	868	863	556	955	1,191	1,169	1,974
U. Puerto Rico, Cayey	501	713	1,067	1,817	1,726	1,795	1,521	1,415	1,109	1,359	1,870	1,974
Colorado State U., Pueblo	503	413	364	ne	ne	ne	ne	ne	ne	ne	2,008	1,937
Franklin and Marshall C.	504	3,444	3,140	2,543	2,855	2,123	3,045	2,447	2,876	2,911	3,092	1,919
Clafin U.	505	3,241	5,202	5,255	2,574	1,618	1,204	1,748	1,354	1,505	1,736	1,910

TABLE 78

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
Lewis and Clark C.	506	1,427	1,504	1,222	2,948	3,118	2,480	2,063	1,905	1,407	1,370	1,907
Coastal Carolina U.	507	2,383	2,035	2,232	2,411	2,079	1,750	1,585	1,875	1,629	2,042	1,903
CUNY, New York City C. of Technology	508	133	284	ne	ne	ne	ne	ne	ne	2,358	2,576	1,902
Palmer C. of Chiropractic, Davenport	509	4,693	4,861	4,507	3,774	2,736	1,698	1,510	1,189	1,600	1,650	1,900
Mount Holyoke C.	510	2,305	2,810	2,838	2,716	3,335	3,565	3,297	3,635	2,601	2,689	1,895
U. Texas, Tyler	511	2,566	2,394	3,705	2,343	2,573	2,349	1,120	1,710	1,589	2,029	1,882
Morehead State U.	512	1,882	2,000	2,064	2,376	1,433	1,420	2,089	2,564	2,223	1,624	1,862
U. Wisconsin-Green Bay	513	1,128	984	991	998	1,003	1,010	1,446	1,364	1,353	1,936	1,849
Davidson C.	514	1,432	1,808	1,291	2,213	1,629	2,305	1,463	1,583	1,338	1,549	1,842
California State U., Dominguez Hills	515	2,743	2,780	2,894	3,088	1,384	1,035	1,460	1,105	1,582	1,563	1,810
Savannah State U.	516	1,874	2,700	1,996	2,613	2,210	1,801	2,261	1,405	1,793	1,720	1,804
Pennsylvania State U., Harrisburg	517	2,728	3,446	2,774	1,906	2,482	3,379	2,546	1,638	2,087	2,497	1,798
Hawaii Pacific U.	518	ne	592	1,016	983	1,524	1,221	2,351	2,155	2,094	1,960	1,796
Kettering U.	519	6,275	4,936	3,215	2,806	2,728	2,685	2,650	3,245	2,060	1,613	1,771
California State U., Stanislaus	520	ne	1,419	1,758	1,104	892	1,078	1,108	1,326	1,371	1,435	1,769
Saint Joseph's U.	521	1,957	1,840	1,704	937	569	650	911	1,316	1,255	1,688	1,748
Monmouth U.	522	2,195	1,956	904	ne	865	ne	900	ne	ne	1,294	1,729
Middlebury C.	523	2,284	2,358	3,015	2,083	1,371	1,574	1,822	2,043	1,822	1,657	1,720
Mercyhurst U.	524	1,106	581	588	474	887	631	307	976	ne	1,673	1,719
Pennsylvania State U., Behrend	525	2,500	2,724	3,169	3,041	4,156	3,614	5,104	3,598	2,617	3,268	1,713

TABLE 78

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. Brockport	525	831	1,248	1,487	1,183	1,130	1,329	1,331	1,270	1,268	1,372	1,713
Texas A&M International U.	525	1,596	1,336	1,225	1,349	1,450	925	1,617	2,974	3,729	4,034	1,713
U. of the Pacific	528	4,429	3,241	3,753	3,479	1,877	1,488	2,289	1,592	2,228	2,387	1,690
U. Wisconsin-Oshkosh	529	1,229	1,847	2,027	1,869	1,820	1,610	ne	1,460	1,544	1,628	1,688
CUNY, York C.	530	ne	2,134	1,153	826	ne	315	ne	ne	ne	1,574	1,648
Connecticut C.	531	1,532	1,801	1,740	1,842	1,966	1,900	1,972	1,875	1,349	1,894	1,598
Troy U.	532	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	1,589
Macalester C.	533	3,080	3,343	1,518	1,241	1,256	1,096	1,389	1,754	1,218	1,582	1,565
Southeastern Louisiana U.	534	2,172	1,638	1,733	1,642	1,408	1,984	1,550	1,606	1,304	1,140	1,564
Vassar C.	535	1,236	1,552	993	1,136	999	2,118	1,417	1,579	4,185	1,009	1,553
SUNY, Geneseo	536	1,174	2,239	1,989	1,082	957	1,162	1,594	1,626	1,813	1,958	1,528
SUNY, Oswego	537	783	977	ne	724	ne	ne	ne	1,626	1,953	1,679	1,500
CUNY, system office	538	ne	ne	819	435	652	828	820	444	2,940	1,713	1,470
Sonoma State U.	539	858	787	ne	1,938	1,714	1,146	572	ne	ne	ne	1,459
U. Puerto Rico, Humacao	540	1,968	1,976	1,949	1,452	1,102	748	ne	ne	1,168	1,195	1,456
Calvin U.	541	3,720	2,045	2,370	3,408	2,627	1,772	1,331	1,306	1,793	1,521	1,444
Black Hills State U.	542	1,741	1,568	1,909	1,983	1,322	1,197	1,722	1,297	918	1,254	1,439
Rhode Island C.	543	ne	2,316	1,569	1,167	907	1,396	1,259	960	776	809	1,438
National U. of Natural Medicine	544	ne	791	ne	ne	ne	ne	ne	921	ne	1,245	1,428
U. Central Oklahoma	545	1,786	1,537	998	1,058	1,207	1,619	1,214	1,054	1,228	1,429	1,422
SUNY, C. Plattsburgh	546	1,613	1,098	913	ne	1,008	1,087	1,020	1,003	1,604	1,649	1,419
U. of the Incarnate Word	547	ne	302	ne	ne	ne	576	ne	ne	1,057	1,428	1,408
California State U., Channel Islands	548	ne	363	ne	1,101	3,324	1,640	1,282	1,002	1,170	1,517	1,399

TABLE 78

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				
Colby C.	549	1,515	1,528	1,709	1,571	1,475	1,573	1,639	1,643	1,948	1,641	1,390				
C. New Jersey	550	809	420	ne	ne	ne	ne	ne	1,023	867	ne	1,389				
Purdue U., Fort Wayne	551	4,832	5,206	4,563	5,080	4,348	4,013	3,930	3,317	3,401	1,220	1,380				
Northeastern Illinois U.	552	376	388	ne	ne	613	ne	ne	805	1,877	2,078	1,378				
Fort Lewis C.	553	360	606	ne	ne	ne	ne	ne	ne	ne	1,460	1,370				
Bowie State U.	554	ne	1,910	1,739	1,422	1,761	1,497	1,507	987	1,100	876	1,368				
Marshall B. Ketchum U.	555	ne	ne	ne	ne	1,030	1,468	1,491	1,512	i	1,451	i	1,430	i	1,357	i
Northwestern State U. Louisiana	556	1,407	1,185	1,085	997	792	ne	1,202	1,023	1,199	1,275	1,341				
Trinity C., Hartford	557	1,292	1,449	1,675	1,369	1,654	1,217	1,217	2,496	1,423	1,579	1,309				
West Virginia School of Osteopathic Medicine	558	594	528	ne	ne	ne	ne	ne	ne	ne	ne	1,303				
Wheaton C., Wheaton	559	ne	769	658	ne	850	532	ne	739	1,156	2,063	1,298				
Roger Williams U.	560	1,174	1,616	1,369	1,283	1,927	1,450	1,815	1,900	1,665	1,459	1,285				
U. Wisconsin-Eau Claire	561	1,774	1,287	1,225	1,132	798	ne	1,170	1,557	1,136	1,468	1,275				
U. Washington, Bothell	562	471	497	553	13	742	2,168	744	1,114	1,361	2,356	1,260				
U. Alaska, Southeast	563	1,620	1,147	1,107	1,241	1,484	1,588	1,725	1,621	1,640	1,341	1,257				
U. Hartford	564	1,137	2,414	1,736	1,448	1,305	1,350	1,478	1,572	460	1,528	1,239				
Alaska Pacific U.	565	434	518	ne	ne	ne	976	1,009	835	1,325	1,627	1,234				
Winthrop U.	566	ne	1,350	1,465	1,207	1,211	1,163	917	853	865	1,146	1,200				
Lafayette C.	567	1,544	1,720	1,308	1,269	973	1,201	959	1,459	1,239	1,101	1,185				
Liberty U.	568	ne	ne	ne	ne	ne	ne	ne	ne	ne	1,429	1,167				
Northern Michigan U.	569	423	405	ne	ne	ne	ne	627	653	963	1,047	1,163				
U. San Francisco	570	1,546	1,734	3,405	2,233	2,208	1,848	1,718	1,009	1,169	1,195	1,157				

TABLE 78

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 of the Permian Basin	595	1,274	1,024	969	716	1,216	1,132	1,080	597	300	ne	939
Eastern Kentucky U.	596	3,017	3,169	2,965	2,182	1,858	1,375	1,340	1,157	1,004	975	912
Doane U.	597	ne	1,022	678	ne	1,026	474	ne	ne	952	887	911 i
Seattle U.	598	1,190 i	1,274	642	ne	1,500	1,975	1,610	1,177	1,368	1,128	908
Kenyon C.	599	428	433	ne	ne	ne	ne	ne	ne	1,161	1,068	896
Elon U.	600	ne	602 i	707 i	876 i	851	1,054	1,141	1,130	1,304	1,162	890
Lawrence Technological U.	601	3,103	3,158	1,471	1,666	1,393	1,962	1,449	1,490	1,068	975	875
St. Olaf C.	602	1,545	1,078	1,415	1,209	1,191	1,118	1,389	1,346	904	836	873
Albion C.	603	ne	563	ne	ne	ne	ne	ne	807	738	753	866
Whitman C.	604	1,407	1,142	849	ne	ne	ne	ne	ne	ne	1,039	865
Grambling State U.	605	993	2,085	1,523	1,327	1,165	1,098	1,454	1,554	1,343	927	855
Suffolk U.	606	ne	847	477	748	757	625	714 i	884 i	ne	ne	845
U. Wisconsin-Platteville	607	681	715 i	ne	ne	899 i	726 i	ne	812 i	ne	829 i	843 i
Bradley U.	608	1,123	1,856	2,354	2,840	1,483	1,452	2,088	1,765	1,201	1,347	840
Union C., Schenectady	609	1,957	1,527	1,378	2,312	1,807	1,431	2,031	1,042	1,297	1,454	837
Colorado C.	610	543	751	701	398	896	1,423	1,003	1,346	1,294	1,053	828
CUNY, Medgar Evers C.	611	618	1,929	1,555	1,134	1,063	937	ne	1,465	1,349	1,383	827
C. Wooster	612	938	1,110	880	ne	1,135	1,135 i	ne	1,379	1,338	1,586	823
U. Puget Sound	612	329	331	ne	ne	ne	ne	ne	884	ne	ne	823
Gettysburg C.	614	664	541	ne	ne	ne	ne	ne	1,014	1,407	1,525	813
Polytechnic U. Puerto Rico	614	ne	240	ne	ne	ne	ne	ne	ne	ne	1,884	813
Midwestern State U.	616	328	ne	ne	ne	ne	ne	ne	ne	ne	ne	802
Hamilton C.	617	1,431	1,476	1,136	1,660	1,178	627	897	1,036	880	841	785
U. Michigan, Flint	618	189	328	ne	ne	ne	ne	ne	733	953	534	754
Albany State U.	619	740	1,416	2,213	1,658	1,549	1,233	1,324	1,209	1,111	1,329	730
Naval War C.	620	ne	ne	0 i	0 i	0 i	0	0	4,240 i	5,270	679	724

TABLE 78

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
Salish Kootenai C.	641	382	658	1,019	1,042	1,399	ⁱ 1,186	732	781	963	766	394
Merrimack C.	642	ne	ne	ne	ne	ne	ne	ne	ne	687	ne	391
U. North Georgia	643	ne	ne	ne	ne	ne	ne	ne	331	544	551	363
Dine C.	644	ne	911	ⁱ ne	ne	ne	ne	ne	ne	1,238	1,126	347
New Jersey City U.	645	145	ne	ne	ne	ne	ne	ne	1,600	3,255	1,165	234
St. Bonaventure U.	646	132	588	192	ne	ne	ne	188	ne	ne	ne	207
Niagara U.	647	655	783	1,476	1,053	611	458	380	532	645	571	202
Columbus State U.	648	ne	1,732	11	ne	ne	ne	ne	ne	ne	ne	182
La Sierra U.	649	ne	661	ne	ne	283	280	471	228	147	213	180
Mills C.	650	122	210	162	325	139	99	257	68	44	230	129
La Salle U.	651	594	539	287	324	461	495	426	ⁱ ne	ne	ne	99
Jacksonville State U.	652	398	624	ne	ne	ne	197	457	363	ⁱ 380	167	58
All other surveyed institutions	-	1,366,975	1,757,641	1,721,930	1,661,904	997,643	1,012,190	1,004,309	1,038,852	1,071,777	82,909	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 \$1,909,094 thousand in total 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. Tied institutions are ranked alphabetically. 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.