

TABLE 81

Federally financed higher education R&D expenditures in science and engineering fields, ranked by FY 2023 R&D expenditures: FYs 2010–23

(Dollars in thousands)

Institution	Rank	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
All institutions	-	36,510,431	39,648,595	38,939,996	38,264,373	36,824,264	36,775,605	37,675,466	39,032,120	40,612,577	43,217,460	44,869,334	47,761,950	52,483,732	57,879,194
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	2,772,522	2,968,175	3,321,265
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	1,000,152	1,033,866	1,149,114
Georgia Institute of Technology	3	370,532	426,088	482,349	520,754	510,422	548,063	567,100	578,107	646,317	708,682	780,894	838,185	926,720	1,067,031
U. California, San Diego	4	578,889	635,223	653,549	630,009	597,270	601,184	602,336	639,643	634,676	698,138	726,536	773,484	958,169	1,053,900
U. Michigan, Ann Arbor	5	729,779	801,194	773,766	802,114	733,779	728,712	780,080	822,436	841,158	879,954	877,379	882,167	961,590	1,031,416
Duke U.	6	513,469	584,161	585,636	580,416	556,847	558,566	574,738	622,174	644,179	708,544	706,023	775,046	900,220	972,765
Columbia U. in the City of New York	7	561,531	634,973	631,961	619,557	591,523	577,833	585,578	632,994	673,792	724,232	743,915	804,534	875,383	958,967
Stanford U.	8	576,553	633,287	607,578	625,144	608,342	645,633	668,578	684,928	685,871	713,688	725,942	785,118	835,331	917,274
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	776,072	853,506	915,098
U. Pittsburgh, Pittsburgh	10	581,148	647,060	620,070	601,358	565,409	554,658	575,281	612,754	643,129	671,380	682,715	719,750	810,167	912,113
U. North Carolina, Chapel Hill	11	541,910	592,541	597,629	614,627	601,933	577,574	624,131	657,879	681,581	701,623	685,851	727,045	796,847	872,134
U. California, Los Angeles	12	522,423	545,882	527,899	489,820	458,157	482,771	479,718	479,799	557,986	587,740	642,219	706,193	828,111	860,202
U. California, San Francisco	13	514,693	570,116	559,329	566,117	544,697	535,457	602,705	606,768	669,470	671,047	676,331	683,179	780,318	858,066
U. Maryland ^b	14	na	na	na	na	na	na	na	na	na	678,126	669,023	693,294	730,658	798,502
U. Wisconsin-Madison	15	522,473	568,389	557,688	533,220	522,251	506,910	548,247	552,983	555,666	594,094	617,902	631,320	720,984	792,977
New York U.	16	250,006	289,172	300,271	283,382	314,712	326,691	332,483	369,947	395,445	416,137	433,598	534,552	652,614	767,566
Pennsylvania State U., University Park and Hershey Medical Center	17	463,301	459,333	526,212	556,185	516,300	507,889	532,669	528,181	557,323	591,201	632,245	606,189	664,168	765,845
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	641,530	686,044	735,656
Washington U., Saint Louis	19	466,993	460,282	432,434	402,702	410,115	424,723	436,229	468,637	496,648	531,885	545,027	588,717	662,135	733,165
Vanderbilt U. and Vanderbilt U. Medical Center	20	377,185	434,213	430,445	432,752	408,743	390,701	395,505	442,669	456,599	470,774	492,333	567,490	644,964	725,882
Cornell U.	21	446,705	476,163	471,024	444,303	438,834	445,266	427,940	435,355	464,468	522,035	558,346	588,001	631,804	699,149
U. Minnesota, Twin Cities	22	420,102	482,639	480,531	489,318	483,542	468,482	462,570	448,814	455,294	483,898	503,414	562,697	643,362	693,128
Northwestern U.	23	356,193	393,449	385,377	389,757	385,888	385,868	424,638	438,732	464,689	497,740	527,958	569,875	615,163	673,622
Ohio State U.	24	384,633	471,331	416,304	425,547	416,177	406,941	418,887	427,154	439,594	465,081	505,626	523,826	594,323	664,435
U. Southern California	25	402,372	443,458	433,136	423,708	421,887	408,105	396,197	436,515	488,081	530,971	549,528	559,032	583,581	663,935
Emory U.	26	336,948	369,945	360,934	364,136	329,254	346,534	360,197	381,151	392,971	423,515	451,487	515,009	567,102	663,101
Icahn School of Medicine at Mount Sinai	27	302,770	296,835	271,722	277,517	300,667	329,641	342,104	367,522	398,656	443,745	480,452	554,582	610,646	658,916

TABLE 81

Federally financed higher education R&D expenditures in science and engineering fields, ranked by FY 2023 R&D expenditures: FYs 2010–23

(Dollars in thousands)

Institution	Rank	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Harvard U.	28	467,237	530,908	574,346	575,868	554,944	530,382	549,539	565,269	578,722	611,123	598,313	609,310	620,497	629,219
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	465,529	506,533	581,674
Massachusetts Institute of Technology	30	451,050	482,544	478,955	487,647	480,991	486,650	501,702	484,597	476,576	485,821	484,184	480,092	527,845	555,050
Texas A&M U., College Station and Health Science Center	31	276,977	281,063	259,506	302,356	298,489	291,714	281,015	294,602	316,771	342,390	501,396	512,130	484,899	523,912
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	444,381	491,940	523,285
U. Florida	33	269,765	296,950	295,745	285,778	279,920	281,317	297,267	314,187	340,725	369,001	375,577	404,432	449,973	510,051
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	369,231	463,039	488,581
U. California, Berkeley	35	303,201	326,120	333,179	305,932	309,305	342,042	338,562	326,548	324,521	341,328	345,103	348,147	459,518	484,623
U. Colorado Anschutz Medical Campus ^c	36	na	na	na	na	na	na	na	na	na	na	na	363,331	429,452	473,777
U. Chicago	37	348,537	365,824	329,119	294,862	276,237	290,776	293,557	302,361	297,824	327,837	347,734	390,098	449,456	470,517
U. Alabama, Birmingham	38	320,704	340,342	303,677	286,873	276,112	325,008	346,190	356,303	370,401	395,910	397,206	421,209	418,667	450,260
U. Illinois, Urbana-Champaign	39	294,236	312,796	348,536	459,791	336,172	330,479	320,703	344,657	339,732	369,006	376,505	394,374	407,278	444,307
Baylor C. of Medicine	40	284,072	295,529	268,753	285,230	264,641	256,895	267,849	292,806	300,098	309,354	315,101	365,472	420,054	440,345
U. Arizona	41	307,038	324,751	328,369	334,680	286,595	265,878	259,443	269,201	287,852	323,060	325,621	350,487	371,931	430,516
Case Western Reserve U.	42	333,438	352,938	358,722	347,628	328,548	307,960	320,402	325,354	346,935	355,970	356,751	339,658	379,602	429,201
Indiana U., Bloomington	43	67,483	69,298	72,501	82,005	80,109	206,263	216,917	241,350	245,402	304,116	314,721	320,591	353,187	424,488
Michigan State U.	44	198,735	222,937	250,416	246,131	247,970	256,228	294,369	329,533	315,674	317,653	317,885	339,614	369,302	419,655
U. Utah	45	226,489	263,623	271,629	297,099	284,125	270,311	224,270	218,405	302,586	282,157	306,629	329,537	358,535	404,721
Uniformed Services U. of the Health Sciences	46	72,125	117,781	102,134	119,647	213,389	299,007	175,007	204,241	218,702	297,808	235,202	275,573	194,187	403,671
Boston U.	47	298,467	300,923	273,204	265,476	254,285	256,562	250,523	253,828	264,281	313,670	333,387	396,685	406,151	398,889
Rutgers, State U. New Jersey, New Brunswick	48	218,910	235,178	273,498	288,374	355,116	320,311	318,123	316,118	330,823	287,031	304,486	332,033	343,447	389,883
U. Cincinnati	49	261,982	286,003	266,507	256,816	243,705	250,457	229,761	239,659	246,400	249,656	283,059	306,411	347,321	388,399
Oregon Health and Science U.	50	247,054	268,777	242,219	244,867	246,050	243,876	230,608	243,495	264,492	298,227	321,572	329,016	346,724	374,043
Purdue U., West Lafayette	51	221,679	246,116	255,691	258,596	227,857	209,005	214,373	224,965	230,208	231,188	257,641	277,663	335,125	367,130
U. Rochester	52	321,258	337,312	307,390	298,781	265,686	261,023	265,430	267,040	283,973	305,325	295,154	308,426	332,302	366,309
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	296,067	310,004	345,867
U. Texas Southwestern Medical Center	54	232,027	231,639	207,513	198,114	185,137	183,787	185,263	200,085	197,910	203,544	242,679	257,611	298,154	336,126
U. Iowa	55	280,089	280,989	265,780	252,161	234,122	223,730	236,363	236,679	243,216	248,639	255,617	278,615	307,534	325,739

TABLE 81

Federally financed higher education R&D expenditures in science and engineering fields, ranked by FY 2023 R&D expenditures: FYs 2010–23

(Dollars in thousands)

Institution	Rank	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Utah State U.	56	89,750	112,611	107,054	106,074	114,075	119,811	124,981	137,295	158,576	219,912	241,433	263,341	278,857	319,552
U. California, Irvine	57	189,343	204,134	204,062	196,256	180,431	170,622	170,674	178,789	192,182	207,234	225,967	237,874	276,782	319,284
U. Virginia, Charlottesville	58	224,607	239,249	225,558	212,051	192,907	186,676	198,760	215,193	231,161	257,013	282,429	282,472	307,111	310,799
California Institute of Technology	59	325,751	340,131	322,295	272,223	276,447	269,156	260,489	272,323	268,765	278,846	309,386	287,810	322,107	310,262
Arizona State U.	60	164,890	178,153	182,188	190,066	186,126	186,890	200,280	214,845	244,795	253,530	262,377	256,875	288,495	305,566
U. Miami	61	196,435	223,870	222,535	204,315	202,818	192,691	194,346	193,549	191,408	211,493	223,774	230,632	264,366	290,607
Carnegie Mellon U.	62	179,136	200,878	209,307	215,560	198,247	187,259	190,620	189,974	181,958	197,927	217,481	234,743	259,034	279,333
Scripps Research Institute	63	313,746	317,201	309,471	308,628	292,268	274,097	242,489	250,090	267,088	267,122	243,502	272,181	242,135	278,099
U. Nebraska, Lincoln and Medical Center ^d	64	na	na	na	na	na	na	na	na	na	na	na	na	na	275,311
North Carolina State U.	65	137,124	152,790	171,464	174,440	177,722	196,058	197,261	213,544	214,440	224,471	227,964	234,181	245,159	274,398
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	214,291	231,144	267,405
U. Illinois, Chicago	67	229,131	245,323	243,622	219,473	201,646	192,930	175,302	188,730	189,322	200,926	215,990	230,140	243,243	266,285
U. Kentucky	68	167,192	175,801	157,813	148,758	140,450	145,097	152,708	168,347	168,968	189,860	197,848	218,566	250,152	261,030
U. Texas M. D. Anderson Cancer Center	69	206,664	236,400	196,753	182,971	158,986	161,171	155,044	166,552	173,206	176,156	186,488	217,073	225,659	259,285
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	207,224	214,559	253,651
Woods Hole Oceanographic Institution	71	153,066	165,819	161,115	158,672	177,616	172,995	166,010	148,491	163,003	184,995	191,186	222,351	211,550	238,554
Brown U.	72	120,749	123,649	127,665	120,977	125,005	127,886	131,751	141,864	161,384	175,849	183,180	195,302	212,899	237,492
U. Connecticut	73	128,700	141,252	150,402	146,400	139,594	135,349	143,955	141,977	139,022	153,496	160,763	180,758	227,351	233,702
Albert Einstein C. of Medicine	74	na	na	na	na	na	na	188,521	188,259	196,457	202,513	204,635	214,619	220,780	230,151
U. Massachusetts, Medical School	75	178,293	208,244	202,149	189,159	183,582	183,588	181,446	200,232	194,953	197,388	192,938	248,873	258,147	223,490
Princeton U.	76	149,164	162,491	160,985	156,070	163,805	157,867	161,562	175,485	179,659	192,747	202,447	204,430	217,505	218,637
U. South Florida ^e	77	219,634	220,931	218,772	207,441	205,155	196,215	210,823	234,871	163,013	164,662	142,086	161,278	187,491	216,706
Oregon State U.	78	135,081	146,069	155,667	148,174	143,815	150,625	156,437	157,708	166,354	162,781	161,646	173,532	186,756	216,070
U. Dayton	79	72,567	69,847	64,369	66,396	63,881	74,548	97,635	112,584	130,488	152,545	153,215	180,479	201,898	214,292
U. Georgia	80	117,225	134,200	133,525	127,487	122,145	127,825	138,374	153,279	144,926	156,628	167,347	184,847	214,505	212,831
U. Oklahoma, Norman and Health Science Center	81	100,065	112,146	124,131	119,762	108,356	122,918	128,260	126,510	142,470	159,640	179,640	181,388	197,521	205,553
Wake Forest U.	82	159,084	173,004	172,779	156,506	153,069	148,084	140,651	147,746	154,031	165,439	166,480	188,809	180,681	204,460
U. New Mexico	83	147,003	161,950	159,302	155,684	151,082	151,619	153,100	159,583	167,315	156,865	158,882	239,587	229,987	202,786
U. Texas Health Science Center, Houston	84	150,324	156,790	146,424	144,235	136,145	125,890	121,098	124,461	128,232	132,647	133,624	165,139	184,205	197,759

TABLE 81

Federally financed higher education R&D expenditures in science and engineering fields, ranked by FY 2023 R&D expenditures: FYs 2010–23

(Dollars in thousands)

Institution	Rank	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
U. Delaware	85	102,637	112,523	110,760	114,048	111,933	109,258	108,378	113,031	113,582	128,651	139,682	152,665	189,374	196,590
Iowa State U.	86	108,181	116,109	117,144	120,934	115,285	113,443	124,242	125,607	145,241	145,541	161,153	160,520	179,143	190,704
U. Hawaii, Manoa	87	196,275	201,700	193,722	225,263	202,574	199,818	189,683	181,750	166,398	167,432	163,091	156,953	168,711	190,535
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	161,552	182,212	190,419
U. Missouri, Columbia	89	113,362	113,072	110,446	108,305	102,784	102,852	116,337	122,821	126,164	128,293	137,029	145,070	161,723	188,337
Washington State U.	90	105,333	115,775	120,146	119,921	112,568	121,627	122,275	133,308	131,229	137,424	135,023	162,455	163,595	180,467
Northeastern U.	91	56,727	65,757	75,733	82,587	77,401	78,379	78,668	90,190	109,443	122,663	131,752	138,641	144,322	178,863
U. California, Santa Barbara	92	127,696	132,490	134,984	131,392	119,816	114,596	114,884	113,173	110,065	115,569	121,120	119,203	159,694	177,990
U. Kansas	93	137,458	143,300	147,052	147,557	131,186	128,374	117,549	126,109	130,036	141,679	151,987	156,707	164,326	171,108
Medical U. South Carolina	94	131,650	143,464	136,907	127,472	118,649	117,255	124,212	134,072	142,639	153,226	153,802	162,394	163,395	168,957
Dartmouth C. and Dartmouth Hitchcock Medical Center	95	117,909	131,518	147,218	154,917	145,080	145,807	138,641	136,977	139,692	137,337	141,040	151,449	154,621	168,127
Florida State U.	96	127,571	136,332	131,998	132,583	140,995	133,569	118,294	118,359	129,435	131,472	141,229	127,509	139,147	164,251
Virginia Commonwealth U.	97	125,713	134,431	124,836	119,293	119,507	123,665	124,962	127,341	122,771	125,393	135,266	141,521	147,509	162,776
George Washington U.	98	120,844	115,463	111,068	119,441	139,148	135,667	138,735	144,567	153,412	152,562	154,026	158,475	159,372	158,866
Medical C. Wisconsin	99	121,750	133,929	125,325	116,765	111,241	109,542	108,529	108,276	111,273	119,036	128,783	136,385	152,301	155,403
U. Alaska, Fairbanks	100	97,889	103,677	97,472	92,602	83,483	78,985	87,829	95,467	93,562	91,405	99,572	126,247	152,929	155,206
Tufts U.	101	115,159	120,864	120,042	112,495	115,046	120,181	124,363	138,004	128,404	136,088	145,473	165,222	148,667	153,579
Tulane U.	102	106,021	110,222	101,130	97,873	94,287	84,143	89,028	93,747	102,090	104,187	107,216	113,434	126,990	151,749
Florida International U.	103	52,784	61,687	54,204	57,858	68,946	67,293	68,539	66,351	80,417	90,067	97,758	100,470	125,166	150,424
U. Texas Medical Branch	104	128,840	128,098	109,867	108,287	101,761	98,050	100,464	104,458	104,356	107,806	114,103	117,915	123,467	150,272
U. New Hampshire	105	76,191	96,552	109,728	92,778	89,640	83,106	89,457	85,714	87,854	84,599	94,554	95,579	127,040	150,165
U. Tennessee, Knoxville ^f	106	83,491	99,712	103,147	104,558	106,778	101,608	106,930	115,320	116,028	121,549	136,741	133,073	145,653	149,311
Temple U.	107	76,170	85,021	85,062	124,764	118,892	119,945	134,132	143,636	141,505	150,201	146,564	146,101	138,403	147,160
Mississippi State U.	108	105,224	97,987	96,132	73,834	70,615	79,181	86,570	87,435	88,365	103,546	119,093	114,492	134,780	146,812
U. Texas Health Science Center, San Antonio	109	121,723	121,200	106,177	99,198	89,303	85,940	89,742	85,455	86,956	96,502	102,959	106,824	119,071	143,730
Wichita State U.	110	13,633	15,425	14,267	10,161	8,100	6,397	7,947	19,507	16,522	26,633	50,042	72,487	91,757	140,006
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	104,905	117,559	135,822
U. Massachusetts, Amherst	112	97,131	106,315	106,470	103,233	102,682	97,206	97,576	101,992	103,555	110,063	112,546	112,146	123,598	134,799
Montana State U., Bozeman	113	84,735	78,431	78,409	66,451	66,770	62,827	61,490	66,449	67,705	80,955	84,960	104,973	109,264	131,520
U. Vermont	114	98,588	101,465	87,843	85,028	79,727	83,733	83,124	78,383	86,936	90,378	97,676	103,118	116,827	127,790
Georgetown U.	115	119,509	122,802	113,229	113,703	99,567	87,268	82,819	93,224	88,778	93,004	98,138	128,798	126,625	126,993

TABLE 81

Federally financed higher education R&D expenditures in science and engineering fields, ranked by FY 2023 R&D expenditures: FYs 2010–23

(Dollars in thousands)

Institution	Rank	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
U. Alabama, Huntsville	116	71,461	70,197	75,715	83,396	73,913	66,564	68,882	68,259	74,315	84,689	103,599	116,441	131,443	125,243
Wayne State U.	117	131,418	133,925	125,965	118,217	112,608	108,221	109,460	106,865	107,791	114,349	108,536	111,708	122,454	124,307
Auburn U., Auburn	118	53,648	59,061	55,118	56,809	49,739	47,939	54,258	54,693	57,718	63,660	72,844	90,386	101,663	122,035
George Mason U.	119	59,591	61,016	57,504	57,154	53,775	54,113	50,687	52,432	64,315	91,377	99,332	99,910	113,443	121,120
Clemson U.	120	59,374	49,365	48,182	47,825	44,673	45,292	52,184	62,920	66,618	72,335	74,438	83,731	109,121	119,626
U. Central Florida	121	67,795	66,736	72,620	68,691	64,323	81,788	80,365	82,777	89,504	90,851	94,617	102,599	102,637	118,642
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	93,114	102,307	118,475
U. California, Riverside	123	58,159	59,351	61,304	57,032	56,327	62,642	69,924	75,920	75,990	79,666	90,235	95,480	112,776	118,426
U. South Carolina, Columbia	124	119,890	100,045	93,237	87,562	87,844	84,723	88,231	89,565	80,948	88,052	83,386	82,827	100,973	118,049
Louisiana State U., Baton Rouge	125	94,611	96,050	91,238	93,281	93,584	82,276	84,954	80,044	83,453	87,498	86,975	97,985	109,092	115,630
U. California, Santa Cruz	126	81,598	95,015	91,409	88,600	89,206	91,249	93,651	65,133	62,218	73,635	75,813	85,887	106,434	111,753
West Virginia U.	127	74,465	84,061	77,981	72,677	67,450	66,608	70,313	70,256	73,518	79,320	77,455	85,717	94,054	110,874
Thomas Jefferson U.	128	77,817	80,027	68,976	56,247	54,676	58,536	58,866	62,029	64,869	74,816	74,653	109,419	114,446	110,345
Rockefeller U.	129	88,705	97,710	84,616	80,384	81,820	81,949	80,667	86,763	87,231	84,566	86,280	96,318	94,693	101,422
Drexel U.	130	75,339	81,424	85,584	74,047	75,557	67,226	65,193	69,326	80,074	81,957	77,965	88,198	93,094	101,027
New Mexico Institute of Mining and Technology	131	42,243	37,316	29,894	23,581	33,168	19,975	16,657	18,271	19,437	22,771	22,598	24,642	70,570	98,627
U. Louisville	132	83,593	84,557	79,252	72,047	63,258	66,368	69,781	69,722	77,281	83,421	83,626	91,928	114,628	98,527
U. Rhode Island	133	60,963	77,668	78,194	70,900	61,836	61,085	58,438	59,623	61,135	69,913	65,860	76,992	90,118	98,450
U. Arkansas for Medical Sciences	134	72,217	75,924	69,883	64,856	55,556	50,603	48,999	51,298	57,523	63,498	70,508	83,387	95,080	94,483
U. Houston	135	50,148	57,090	54,657	57,569	55,574	54,516	58,085	57,263	62,134	66,848	68,987	73,234	78,687	93,713
Rush U.	136	51,304	57,978	57,512	57,063	53,501	52,193	50,332	51,532	64,178	68,941	65,343	73,279	79,647	93,180
U. Maine	137	48,270	59,644	39,428	33,903	50,338	35,033	34,125	37,189	45,206	49,832	52,755	63,250	81,887	90,464
U. Oregon	138	66,809	71,344	71,157	61,856	62,824	56,448	55,137	57,092	56,403	63,912	66,182	68,617	82,841	85,978
U. Maryland, Baltimore County	139	58,597	61,110	44,669	44,257	46,993	47,591	50,645	52,008	52,934	54,740	58,178	58,317	63,336	84,387
U. Nevada, Reno	140	58,115	55,374	55,150	53,898	50,904	49,977	51,630	53,438	59,879	60,967	63,827	76,240	82,904	82,563
U. Mississippi	141	69,031	72,456	72,855	62,816	63,070	58,797	63,372	61,232	62,721	72,731	80,923	74,055	81,102	81,694
Kansas State U.	142	66,400	74,414	73,247	67,524	64,565	66,632	67,863	72,321	77,730	78,878	76,164	74,930	78,508	78,561
U. North Texas, Health Science Center	143	25,847	26,132	26,627	24,187	21,943	22,422	27,163	26,368	27,579	27,260	25,917	32,464	55,062	77,660
U. Alabama, Tuscaloosa	144	25,945	32,387	32,515	27,963	25,477	28,029	27,019	24,344	27,660	33,233	37,198	46,389	59,703	76,827
U. Arkansas, Fayetteville	145	32,659	37,203	34,123	30,562	26,014	33,486	39,527	42,198	48,288	46,871	45,196	45,674	61,088	75,685
Georgia State U.	146	23,732	21,980	27,251	28,216	29,470	36,843	40,897	54,842	55,241	54,882	62,835	61,436	65,436	73,366

TABLE 81

Federally financed higher education R&D expenditures in science and engineering fields, ranked by FY 2023 R&D expenditures: FYs 2010–23

(Dollars in thousands)

Institution	Rank	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
New Mexico State U.	147	98,050	90,283	90,338	86,546	80,247	78,253	61,494	59,087	53,417	57,183	60,056	64,235	71,377	71,347
U. Montana, Missoula	148	40,116	38,176	35,590	33,825	30,164	33,617	38,726	44,465	51,975	52,919	58,745	66,840	68,546	71,116
U. Tennessee, Health Science Center	149	52,650	51,840	48,473	42,269	41,830	39,356	38,374	39,138	39,421	42,396	48,264	56,021	60,221	70,356
New Jersey Institute of Technology	150	47,832	52,873	57,513	55,017	51,853	50,554	63,322	64,840	78,313	87,588	82,331	71,860	67,189	68,786
U. Texas, El Paso	151	34,439	34,765	39,274	37,741	34,528	40,334	41,384	43,759	43,214	40,111	37,495	42,385	58,291	68,390
U. Wyoming	152	44,026	47,782	55,663	52,296	39,778	47,232	63,223	56,178	42,538	51,657	56,078	54,183	68,645	68,376
Colorado School of Mines	153	28,416	31,414	31,399	31,585	33,908	33,578	34,708	36,650	39,311	48,593	53,875	59,547	65,518	68,317
U. Texas, Dallas	154	30,019	32,355	34,088	31,903	32,096	30,776	34,532	35,244	39,010	47,443	55,225	57,778	60,073	65,580
Augusta U.	155	na	na	na	47,913	47,771	50,585	50,294	48,921	48,800	47,031	55,797	61,943	64,609	64,390
U. Louisiana, Lafayette	156	12,060	11,879	12,435	10,007	9,050	10,315	9,479	14,953	20,766	30,341	25,919	47,788	56,538	62,263
SUNY, U. Albany	157	123,404	124,848	112,161	113,736	104,861	78,824	74,092	82,551	84,561	91,225	66,162	55,478	50,471	61,824
Oklahoma State U., Stillwater	158	56,998	81,855	85,876	44,200	36,687	38,498	41,186	42,331	40,052	38,757	38,419	45,243	51,084	61,558
U. North Dakota	159	52,381	53,913	54,411	46,397	40,191	37,457	42,253	40,845	48,858	47,235	42,021	56,742	60,188	61,118
U. Idaho	160	45,082	52,812	53,765	52,430	49,423	49,591	50,083	48,879	47,475	48,462	49,818	49,306	54,581	60,143
San Diego State U.	161	53,746	59,769	51,690	45,175	44,807	43,526	42,062	37,226	37,873	37,595	39,049	40,387	51,047	59,822
U. Massachusetts, Lowell	162	24,475	26,802	25,670	25,441	25,874	28,998	26,499	28,078	28,982	33,948	40,037	46,970	60,222	59,386
Naval Postgraduate School	163	86,765	88,950	120,209	86,538	89,284	71,987	50,560	42,246	41,151	49,168	48,709	49,366	40,536	57,426
Texas Tech U.	164	32,680	32,881	27,698	25,153	26,161	25,458	24,586	23,426	24,503	29,857	29,685	32,129	43,014	56,444
U. Texas, San Antonio	165	27,036	28,011	29,168	28,066	22,518	23,108	24,493	28,650	28,943	32,986	32,512	41,177	51,075	54,813
Cleveland State U.	166	24,894	42,292	46,205	50,002	44,139	41,721	49,659	52,317	54,987	50,982	53,234	46,838	52,514	54,376
Cold Spring Harbor Laboratory	167	ne	51,529	43,874	41,002	41,845	49,063	50,478	54,260	67,139	73,854	62,068	56,889	59,163	54,123
Rensselaer Polytechnic Institute	168	54,559	58,951	62,063	60,765	58,940	59,417	48,887	47,749	46,385	47,245	47,934	49,836	48,950	53,500
U. Texas, Arlington	169	29,671	28,190	30,473	28,588	24,079	26,858	24,853	30,588	34,063	39,198	42,157	44,134	52,942	52,832
North Dakota State U.	170	51,198	52,543	45,326	37,128	35,308	35,037	34,792	34,134	34,485	34,693	31,109	37,647	44,254	52,479
Michigan Technological U.	171	27,407	32,508	32,835	31,734	30,214	28,581	29,609	28,332	32,366	34,488	35,912	41,123	48,500	52,027
Northern Arizona U.	172	14,990	17,687	15,946	15,533	18,044	20,111	22,997	25,615	29,137	35,156	38,492	40,890	41,925	49,135
U. Puerto Rico, Medical Sciences Campus	173	29,813	54,381	35,173	31,037	30,197	31,889	33,348	29,869	30,597	34,570	27,033	33,262	35,050	46,789
Brandeis U.	174	43,282	47,793	44,061	43,963	45,800	46,764	47,708	44,819	37,371	40,333	40,815	42,725	43,870	46,567
U. Southern Mississippi	175	36,729	40,764	34,487	28,324	25,956	24,710	23,952	26,104	30,331	45,687	41,791	43,078	46,255	45,653

TABLE 81

Federally financed higher education R&D expenditures in science and engineering fields, ranked by FY 2023 R&D expenditures: FYs 2010–23

(Dollars in thousands)

Institution	Rank	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Air Force Institute of Technology	176	13,514	18,986	17,919	17,614	16,342	16,369	19,660	25,558	23,393	21,856	22,854	27,025	32,479	45,087
U.S. Air Force Academy	177	43,803	60,292	36,316	42,303	32,284	29,417	44,567	34,664	27,650	34,940	33,308	31,818	35,826	44,056
Stevens Institute of Technology	178	26,366	31,269	25,794	23,004	22,130	25,054	28,090	26,438	25,521	27,703	32,141	32,625	41,047	43,574
Florida A&M U.	179	26,311	30,771	27,951	28,446	25,313	26,700	28,021	27,899	29,861	32,117	30,022	31,669	36,409	41,958
Saint Louis U.	180	33,655	38,206	35,841	31,230	29,396	27,343	26,323	27,005	27,694	33,941	34,163	40,628	41,625	41,940
Howard U.	181	32,211	35,632	37,336	33,403	32,052	38,051	32,967	33,893	32,573	29,422	28,785	34,907	36,696	41,771
Morehouse School of Medicine	182	25,855	28,128	31,786	34,511	33,020	30,012	28,678	28,792	24,326	22,461	22,500	25,181	31,339	41,069
Touro U., New York ^d	183	ne	0	53	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	40,008
CUNY, City C.	184	32,170	39,064	39,063	39,756	39,860	37,900	37,359	34,718	36,402	32,975	30,038	34,100	38,028	38,168
Indiana U.-Purdue U., Indianapolis	185	147,375	154,966	165,374	151,962	142,589	18,090	19,507	19,630	22,071	25,672	30,289	28,541	27,169	37,518
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	29,354	28,489	37,435
Lehigh U.	187	22,084	20,485	20,419	20,878	20,677	20,680	19,512	22,640	23,649	24,282	25,574	27,483	33,809	37,342
U. Nevada, Las Vegas	188	31,497	29,642	24,567	23,980	26,585	26,970	24,683	28,460	32,711	27,172	28,187	25,764	27,244	36,275
Worcester Polytechnic Institute	189	12,705	14,773	12,161	16,275	18,310	25,743	24,854	18,559	18,084	22,144	25,320	29,202	32,552	36,101
Louisiana State U., Health Sciences Center, New Orleans	190	46,142	45,581	40,637	36,886	34,637	36,027	31,526	28,018	26,988	31,290	31,381	34,272	33,087	35,933
U. Toledo	191	36,984	42,680	38,563	37,539	31,648	26,428	24,860	22,371	25,056	27,802	27,412	32,411	33,765	34,608
Catholic U. of America	192	15,837	19,651	17,350	17,154	17,061	19,548	19,451	19,364	20,423	21,408	22,244	22,886	26,126	34,527
SUNY, Polytechnic Institute	193	na	na	na	na	21,208	14,641	21,380	41,247	41,753	38,222	27,993	25,427	32,375	34,389
Boise State U.	194	14,237	18,423	19,446	15,181	15,183	17,562	16,112	18,754	23,157	22,354	25,121	30,053	30,559	34,220
Florida Atlantic U.	195	16,457	14,793	14,926	12,480	12,317	10,402	14,443	16,430	18,076	21,050	22,787	27,479	27,717	33,856
North Carolina A&T State U.	196	23,878	22,499	21,468	20,956	22,609	21,802	19,808	23,046	22,212	20,924	19,170	21,835	24,797	33,737
Rochester Institute of Technology	197	19,493	18,546	17,435	16,186	16,765	17,479	22,545	23,913	22,692	22,195	24,079	27,703	28,420	32,574
Missouri U. of Science and Technology	198	28,239	27,961	23,731	25,551	21,474	17,306	18,811	19,534	21,793	22,337	22,853	26,164	28,773	32,457
Boston C.	199	31,351	23,845	23,685	22,780	19,462	17,409	23,184	26,937	27,674	28,017	25,213	28,738	30,840	32,329
Van Andel Research Institute	200	ne	ne	ne	ne	ne	8,138	11,970	13,108	14,285	18,259	18,538	22,231	29,424	30,934
U. North Carolina, Charlotte	201	15,444	14,358	16,997	18,257	16,637	17,028	18,733	19,436	21,366	24,917	26,335	25,804	24,965	30,722

TABLE 81

Federally financed higher education R&D expenditures in science and engineering fields, ranked by FY 2023 R&D expenditures: FYs 2010–23

(Dollars in thousands)

Institution	Rank	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
San Jose State U.	202	21,576	23,207	21,830	24,574	28,475	31,250	30,021	30,063	31,592	33,072	32,061	29,856	29,488	30,409
SUNY, Upstate Medical U.	203	27,959	28,663	27,013	23,730	21,334	19,213	18,942	19,991	20,391	22,028	23,940	24,974	27,737	30,069
Brigham Young U., Provo	204	18,373	19,741	17,381	19,931	20,214	20,769	24,791	23,631	21,367	21,977	22,789	28,614	29,844	30,040
Mercer U.	205	18,778	17,904	19,963	19,411	19,666	21,563	21,120	19,772	18,999	27,035	31,572	34,413	32,504	29,561
William & Mary	205	22,478	23,502	25,349	24,619	27,232	27,722	28,771	28,062	27,836	27,112	25,460	24,533	27,979	29,561
SUNY, Binghamton U.	207	20,766	20,443	20,151	16,749	14,757	16,038	18,363	20,601	22,964	23,626	24,027	22,012	23,413	29,416
East Carolina U.	208	15,587	17,636	16,946	17,789	16,992	14,926	13,057	11,386	11,654	15,544	16,583	19,633	26,813	29,137
Loyola U., Chicago	209	27,953	27,588	27,786	32,008	29,989	27,380	24,916	22,861	21,131	22,919	23,277	25,824	26,005	29,046
Old Dominion U.	210	30,534	34,084	31,877	30,478	30,568	27,857	27,556	32,898	28,792	27,633	26,904	23,158	25,424	28,613
SUNY, Downstate Health Sciences U.	211	25,023	33,964	34,884	31,972	25,802	20,779	25,941	22,496	26,302	26,914	26,454	27,620	25,081	28,543
South Dakota State U.	212	38,309	41,876	41,941	33,226	29,454	28,488	29,605	27,940	27,013	29,530	22,387	18,505	22,800	28,399
Illinois Institute of Technology	213	27,780	33,016	27,515	28,255	25,506	25,479	23,542	26,191	27,742	28,753	24,152	24,649	25,938	27,992
U. South Alabama	214	14,343	16,259	13,294	13,361	13,478	15,025	17,131	15,856	14,572	19,383	21,359	22,924	22,586	27,572
U. Missouri, Kansas City	215	16,139	18,748	17,219	15,406	14,613	12,810	12,739	11,145	10,396	18,400	21,921	20,784	30,571	27,122
U. North Texas, Denton	216	11,997	12,255	15,921	14,974	15,054	14,286	11,524	14,043	17,514	16,094	12,019	16,810	21,799	26,890
U. California, Merced	217	9,192	9,744	10,741	10,733	10,506	12,607	12,166	14,660	14,041	16,513	19,505	16,980	21,418	25,993
Morgan State U.	218	10,035	9,878	15,279	13,301	14,131	12,693	14,305	13,215	11,450	11,844	14,016	15,207	20,739	25,763
Portland State U.	219	25,853	29,660	30,090	27,899	26,147	23,389	25,310	23,645	23,437	26,301	24,752	24,097	25,176	25,192
U. Texas Rio Grande Valley	220	na	na	na	na	na	na	16,821	14,766	13,308	13,320	12,590	12,355	17,733	24,006
Delaware State U.	221	9,967	11,901	11,053	11,802	12,464	12,075	14,613	13,909	12,039	11,936	10,841	12,461	19,019	23,974
U. Wisconsin-Milwaukee	222	23,641	28,336	26,424	23,872	23,726	24,222	22,519	21,673	24,348	22,909	24,713	23,944	23,481	23,890
Texas State U.	223	6,815	5,971	6,770	11,088	9,696	11,318	9,786	10,739	12,298	13,503	13,298	15,936	18,755	23,182
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	17,538	21,029	22,873
Embry-Riddle Aeronautical U.	225	8,241	9,257	12,126	9,906	12,614	9,940	13,957	10,501	12,584	8,890	11,391	14,258	22,699	22,601
U. Nebraska, Omaha	226	4,128	5,034	5,589	5,230	4,979	4,484	6,657	7,038	7,043	7,655	8,626	12,949	17,133	21,616
Ohio U.	227	18,209	21,938	20,340	20,134	16,425	17,140	14,421	16,017	13,512	14,453	15,466	19,048	20,360	21,572
CUNY, Hunter C.	228	17,543	21,191	22,078	21,465	18,825	19,018	19,597	18,179	20,053	21,188	23,638	21,275	18,940	20,746
Desert Research Institute	229	28,307	28,489	27,294	22,814	19,932	16,511	18,883	18,839	17,911	16,745	15,791	16,641	17,341	20,061
U. Denver	230	10,180	10,463	9,135	10,082	8,794	8,134	8,895	9,681	12,938	13,157	14,551	13,513	15,544	19,919
Marquette U.	231	9,115	10,898	9,557	8,491	7,988	9,139	10,136	10,111	10,451	12,613	12,981	13,470	14,883	19,446
Marshall U.	232	18,218	21,433	13,154	13,468	12,684	11,080	9,077	9,036	8,519	9,579	11,070	12,522	15,875	19,192
U.S. Military Academy	233	19,763	12,314	11,702	11,612	13,247	13,135	12,281	7,247	6,313	6,432	8,068	13,657	19,344	19,149
U. of the Virgin Islands	234	27,291	15,717	22,605	15,627	10,475	19,456	20,951	10,701	10,748	9,903	11,778	13,099	19,127	19,127

TABLE 81

Federally financed higher education R&D expenditures in science and engineering fields, ranked by FY 2023 R&D expenditures: FYs 2010–23

(Dollars in thousands)

Institution	Rank	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Wright State U.	235	24,785	27,422	25,519	26,496	27,523	26,814	30,093	35,514	43,359	41,362	35,267	19,393	20,418	19,060
Louisiana State U., Health Sciences Center, Shreveport	236	13,890	15,316	13,504	11,753	8,490	6,321	6,478	7,055	9,235	12,185	11,452	12,359	15,503	18,742
California State U., Northridge	237	11,122	8,729	13,965	7,778	11,007	10,889	10,136	12,952	13,822	15,543	16,478	13,363	14,692	18,432
U. Guam	238	4,962	5,242	5,311	5,390	6,321	5,455	6,576	8,051	8,425	9,104	9,364	13,862	16,303	18,419
Meharry Medical C.	239	24,302	26,779	23,467	21,135	17,754	13,068	13,528	15,613	14,515	16,443	12,573	13,784	15,048	18,398
Rowan U.	240	1,737	2,071	2,295	1,875	4,588	4,665	5,239	7,110	9,568	11,909	15,276	17,211	18,502	18,392
Eastern Virginia Medical School	241	29,291	25,319	24,694	28,728	28,532	28,637	21,459	21,209	21,356	19,408	15,748	14,774	17,616	17,947
U. Massachusetts, Boston	242	17,787	15,040	17,649	13,471	14,544	15,464	17,326	16,308	16,852	16,117	15,007	14,938	14,823	17,753
U. North Carolina, Greensboro	243	10,857	12,155	10,943	10,520	10,589	11,106	12,279	10,845	10,441	11,527	10,579	12,357	15,462	17,719
CUNY, Queens C.	244	13,496	15,491	14,829	14,689	15,809	13,532	13,966	11,780	11,882	12,862	12,208	11,779	14,611	17,408
Southern Illinois U., Carbondale	245	22,209	23,696	22,055	18,398	16,288	14,895	14,574	13,421	12,733	12,625	12,735	12,655	13,582	17,027
Baylor U.	246	2,842	3,386	3,289	3,435	3,991	3,839	4,214	5,255	5,749	6,885	8,684	10,879	15,512	16,842
San Francisco State U.	247	15,407	17,337	17,075	18,638	16,753	14,336	12,277	13,782	13,346	15,149	15,514	15,670	14,868	16,226
Kent State U.	248	13,311	13,334	13,425	10,009	9,350	9,594	8,733	9,204	10,265	12,576	13,406	13,620	14,228	16,041
Tuskegee U.	249	10,986	11,033	11,243	13,132	14,102	12,265	10,386	10,386	10,386	14,825	15,122	15,424	14,880	16,006
Southern Methodist U.	250	12,142	17,819	15,839	13,516	18,427	11,806	12,910	11,978	11,568	15,219	15,559	14,803	14,798	15,992
Jackson State U.	251	34,927	36,460	33,342	27,285	19,898	18,449	19,934	18,997	16,990	16,156	13,560	12,939	14,261	15,934
U. Puerto Rico, Rio Piedras	252	21,130	24,336	24,867	17,190	17,489	18,177	15,870	11,137	9,826	13,670	13,767	14,953	16,716	15,897
Texas A&M U.-Corpus Christi	253	7,647	7,225	5,387	5,990	7,085	9,155	7,078	9,057	11,694	13,131	12,453	9,782	13,622	15,799
Rutgers, State U. New Jersey, Newark	254	12,243	17,503	19,296	12,420	11,014	11,118	12,662	15,171	15,129	14,063	14,725	14,891	14,641	15,095
Tennessee State U.	255	6,936	7,732	9,393	9,354	11,886	10,920	11,590	9,226	9,336	8,449	19,052	15,066	10,859	15,003
Texas Tech U., Health Sciences Center	256	12,950	14,790	13,944	14,804	9,480	9,949	9,943	8,995	7,477	11,262	12,977	12,114	14,602	14,679
South Dakota School of Mines and Technology	257	25,172	28,051	14,338	7,853	7,029	9,286	10,370	10,639	10,240	9,283	10,659	11,587	15,100	14,640
U. Maryland Center for Environmental Science	258	12,123	18,007	16,081	16,852	13,202	11,993	12,156	14,482	14,276	16,573	14,622	13,242	14,240	14,631
Albany Medical C.	259	15,758	13,884	11,845	10,278	9,716	9,481	10,714	11,040	10,243	11,827	12,940	13,166	13,384	14,193
U. Hawaii, system office	260	ne	ne	ne	ne	ne	ne	ne	ne	12,328	12,052	13,367	12,688	12,511	14,150
North Carolina Central U.	261	6,870	9,043	10,573	7,750	9,320	10,293	9,691	10,627	10,728	12,235	11,883	9,831	12,561	13,916

TABLE 81

Federally financed higher education R&D expenditures in science and engineering fields, ranked by FY 2023 R&D expenditures: FYs 2010–23

(Dollars in thousands)

Institution	Rank	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
U. South Dakota	262	16,353	14,337	13,601	14,991	11,932	8,464	8,827	11,117	12,346	13,312	12,899	11,541	13,503	13,861
California Polytechnic State U., San Luis Obispo	263	11,396	8,296	9,618	9,442	8,903	9,651	10,966	10,035	9,313	9,574	9,765	10,785	14,172	13,490
CUNY, Graduate School of Public Health and Health Policy	264	na	na	na	na	na	na	na	na	5,080	5,572	8,722	12,254	11,880	13,413
California State U., Long Beach	265	12,096	11,570	11,044	10,517	7,689	6,047	10,960	12,991	13,704	13,380	11,846	10,849	11,132	13,341
Charles R. Drew U. of Medicine and Science	266	20,430	20,679	19,733	17,144	19,412	12,992	12,089	14,461	10,198	10,427	9,863	9,945	10,656	13,297
U. Colorado Denver ^c	267	na	na	na	na	na	na	na	na	na	na	na	9,058	10,245	13,287
Missouri State U.	268	6,051	4,756	3,697	3,129	3,027	3,141	2,633	2,659	3,977	4,907	12,232	8,928	10,082	12,973
Xavier U. Louisiana	269	5,669	6,673	7,177	5,856	7,077	7,735	10,487	10,901	9,971	8,526	9,628	11,074	11,718	12,830
U. Massachusetts, Dartmouth	270	11,236	12,253	10,329	8,076	8,413	7,134	6,463	7,118	6,595	6,957	6,066	7,626	10,239	12,803
U. Texas Health Science Center, Tyler	271	ne	ne	ne	ne	ne	3,713	3,757	5,792	6,438	7,084	7,732	12,007	14,362	12,555
Loma Linda U.	272	27,175	30,899	23,447	24,991	19,044	21,082	16,118	15,192	13,806	12,548	11,289	10,031	9,134	12,485
Creighton U.	273	11,850	14,080	14,209	13,272	11,427	9,164	10,406	7,787	5,601	8,113	7,444	8,426	11,799	12,446
U. Alaska, Anchorage	274	8,485	9,352	10,041	8,799	7,212	8,015	11,282	11,592	12,530	13,665	15,128	14,852	14,809	12,102
Prairie View A&M U.	275	8,623	11,041	10,561	9,077	8,259	7,958	7,896	8,674	8,386	9,246	9,134	9,315	11,425	11,969
CUNY, Advanced Science Research Center	276	na	na	na	na	na	257	ne	2,355	4,027	6,859	9,208	11,840	12,580	11,916
Teachers C., Columbia U.	277	6,478	8,433	10,120	8,492	8,909	12,666	11,373	10,194	8,925	8,054	7,614	8,521	10,177	11,871
Alabama A&M U.	278	22,154	21,355	21,322	21,290	21,257	21,222	17,863	14,566	11,267	7,968	5,432	7,152	8,874	11,739
Nova Southeastern U.	279	5,669	6,829	6,570	5,334	5,906	5,856	6,922	7,672	7,772	8,911	10,452	10,386	9,253	11,587
Florida Institute of Technology	280	8,903	7,387	7,189	7,112	7,706	8,251	8,714	8,440	8,333	10,043	10,448	12,386	10,429	11,460
U. Puerto Rico, Mayaguez	281	12,505	18,269	19,536	13,830	13,638	15,313	14,403	13,585	14,092	15,653	15,842	12,683	13,923	11,149
Alcorn State U.	282	9,256	8,655	8,598	8,321	7,447	6,784	6,387	8,634	7,372	7,540	7,023	7,593	9,294	10,996
American U.	283	6,263	6,549	5,254	5,613	7,426	8,444	8,280	7,601	11,237	13,762	13,491	9,064	10,345	10,619
U. Akron	284	11,943	12,833	16,605	19,600	20,187	14,510	25,362	16,124	12,280	11,627	10,509	8,953	11,015	10,609
East Tennessee State U.	285	6,121	7,705	8,052	6,825	4,865	4,664	5,655	5,870	7,168	7,688	7,329	8,310	9,714	10,578
Northern Illinois U.	286	16,907	11,226	12,311	12,178	8,697	8,915	9,679	6,164	6,925	6,705	6,025	9,014	9,725	10,352
California State U., Sacramento	287	5,032	6,145	4,878	6,893	4,769	5,148	4,773	5,876	5,620	5,238	4,892	4,319	5,884	10,314
U.S. Naval Academy	288	10,750	10,243	8,868	10,142	10,216	8,978	11,006	12,946	13,331	12,851	12,281	10,247	10,147	10,260
Clarkson U.	289	9,408	9,531	7,061	5,275	5,462	5,436	6,183	6,538	7,814	8,350	6,876	6,872	8,342	10,249

TABLE 81

Federally financed higher education R&D expenditures in science and engineering fields, ranked by FY 2023 R&D expenditures: FYs 2010–23

(Dollars in thousands)

Institution	Rank	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
U. Maryland, Eastern Shore	290	8,583	8,587	6,955	8,511	8,902	9,284	7,853	7,265	4,890	6,983	8,084	8,346	9,062	10,201
Texas Southern U.	291	3,638	3,806	4,287	4,741	2,764	2,801	2,825	3,654	2,368	3,238	5,590	4,952	6,768	9,928
Tennessee Technological U.	292	6,958	5,119	4,154	3,566	3,662	3,508	4,015	4,808	5,269	5,996	6,338	7,261	7,612	9,597
Montana Technological U.	293	5,321	4,999	3,293	3,507	3,202	3,420	3,916	5,019	4,691	4,926	4,322	6,133	5,600	9,585
Chapman U.	294	1,429	1,215	1,465	2,227	2,170	2,348	2,951	3,414	3,780	5,359	7,313	7,881	10,454	9,575
Oakland U.	295	7,024	9,001	8,168	6,855	5,986	5,339	6,154	6,414	5,733	6,690	5,058	7,426	9,369	9,572
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	6,919	9,764	9,569
Hampton U.	297	14,455	12,292	15,290	12,620	11,153	14,619	13,572	15,908	13,669	12,943	10,842	11,181	11,049	9,398
Miami U.	298	11,546	11,476	12,447	11,314	10,311	9,278	7,699	7,568	7,924	7,680	8,829	8,854	9,147	9,337
Western Michigan U. and Homer Stryker M.D. School of Medicine	299	10,120	11,444	8,295	7,547	7,185	7,216	6,863	7,447	6,948	5,654	5,374	7,853	7,736	9,236
California State U., San Marcos	300	3,548	3,548	3,548	3,550	3,177	3,709	4,591	4,869	6,373	8,007	10,310	7,926	7,193	9,116
SUNY, C. of Environmental Science and Forestry	301	8,907	8,732	8,557	8,382	5,564	7,784	8,109	7,658	6,854	7,632	7,718	6,863	7,678	8,980
Idaho State U.	302	13,591	16,821	15,711	12,738	10,566	11,510	11,827	11,084	9,737	7,222	7,693	7,059	8,925	8,967
Northeast Ohio Medical U.	303	4,009	4,081	3,816	5,244	6,582	7,607	9,181	10,043	9,743	10,107	10,684	9,999	9,400	8,864
Texas A&M U.-Kingsville	304	5,067	4,765	4,980	4,988	6,415	5,483	5,910	5,827	5,640	6,874	8,253	7,822	6,834	8,495
California State U., Los Angeles	305	7,027	8,296	6,739	6,948	4,788	3,794	3,452	6,499	8,530	9,088	8,088	6,932	8,146	8,229
New York Medical C.	306	21,095	21,013	16,471	13,806	11,421	11,326	10,772	9,000	8,141	11,061	12,106	10,739	9,070	8,226
U. West Florida	307	2,310	1,505	809	646	883	1,061	684	793	1,149	1,210	2,688	3,689	5,733	8,158
U. Tulsa	308	6,819	7,547	6,615	6,041	5,487	5,885	6,037	5,816	4,440	3,891	4,555	5,524	5,565	8,112
U. North Carolina, Wilmington	309	13,026	12,933	10,032	7,599	4,480	4,519	4,595	4,834	5,001	6,405	5,984	6,114	6,147	7,788
Villanova U.	310	6,367	6,817	5,518	4,218	5,008	4,563	4,334	3,968	3,955	3,956	4,476	5,105	5,591	7,771
Kentucky State U.	311	3,501	3,146	4,919	3,906	4,335	4,590	5,146	5,382	5,618	4,691	4,456	3,716	4,739	7,605
U. Minnesota, Duluth	312	6,427	8,372	7,560	7,264	5,940	10,025	8,055	6,033	5,520	7,082	6,393	5,282	6,094	7,509
Fort Valley State U.	313	4,586	3,452	3,334	3,329	4,249	4,079	4,844	5,068	3,700	4,433	4,806	4,429	7,265	7,505
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	5,282	5,895	7,488
Texas Christian U.	315	2,161	2,483	3,253	3,767	3,690	3,291	2,671	2,523	2,311	2,211	2,840	3,984	5,481	7,344
Louisiana Tech U.	316	9,715	10,351	8,296	7,593	6,577	5,433	5,013	5,438	5,710	6,303	7,000	6,234	5,568	7,134
Rosalind Franklin U. of Medicine and Science	317	8,350	9,317	10,084	11,202	9,754	9,368	8,478	8,828	9,249	8,865	8,504	9,357	7,292	7,124

TABLE 81

Federally financed higher education R&D expenditures in science and engineering fields, ranked by FY 2023 R&D expenditures: FYs 2010–23

(Dollars in thousands)

Institution	Rank	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Illinois State U.	318	3,449	3,264	2,954	3,203	3,463	2,872	2,878	2,742	2,742	4,390	3,639	5,194	5,797	7,109
U. Arkansas, Little Rock	319	6,578	7,995	7,894	6,076	4,559	3,736	4,473	4,220	4,942	6,114	6,660	6,438	6,043	6,540
California State U., San Bernardino	320	2,119	6,212	5,914	5,633	6,004	5,628	5,920	5,423	5,436	5,991	3,574	3,263	4,331	6,374
Virginia State U.	321	5,080	5,642	6,852	6,108	5,321	4,848	5,017	4,357	4,814	5,486	4,630	3,991	5,751	6,293
MGH Institute of Health Professions	322	ne	408	ne	ne	ne	3,766	2,228	1,839	2,957	3,494	3,014	2,500	4,628	6,200
U. Hawaii, Hilo	323	10,491	5,243	14,195	10,989	8,522	12,718	9,401	5,461	5,264	4,924	5,274	5,510	5,292	6,068
U.S. Army War C.	324	ne	ne	ne	ne	ne	ne	ne	ne	ne	2,146	ne	4,662	5,496	6,035
California State U., Fullerton	325	6,710	7,957	6,477	6,264	6,325	4,640	3,651	3,865	4,610	4,117	4,102	4,535	6,124	5,992
Duquesne U.	326	5,032	5,103	4,614	3,289	3,980	4,394	4,973	4,959	4,944	4,316	4,579	4,435	5,562	5,981
Ball State U.	327	1,712	1,701	2,171	1,267	1,617	1,828	2,813	2,083	2,749	2,607	2,290	2,099	4,635	5,871
U. Tennessee, Chattanooga	328	4,866	2,929	3,199	2,056	1,486	1,949	1,092	1,144	1,490	2,393	3,915	4,416	5,031	5,864
Western Washington U.	329	4,137	4,153	3,714	3,287	3,425	3,879	3,972	4,216	3,884	3,842	3,838	3,963	5,660	5,781
Bowling Green State U.	330	4,963	6,162	6,957	9,287	6,520	4,067	4,221	3,565	3,275	3,878	4,555	5,189	5,437	5,774
California State Polytechnic U., Pomona	331	2,523	2,964	2,635	2,945	2,165	1,826	2,199	3,225	4,181	3,131	5,300	4,267	4,643	5,747
California State U., Monterey Bay	332	3,167	4,713	4,341	4,961	3,862	3,459	3,654	3,574	3,607	3,746	3,889	3,813	5,051	5,552
Central State U.	333	2,544	3,475	3,340	2,686	2,000	1,508	1,546	1,491	2,299	2,517	3,097	4,165	5,576	5,523
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	4,620	5,055	5,477
CUNY, Brooklyn C.	335	5,002	6,724	6,305	5,831	5,709	5,439	5,836	4,968	4,149	4,210	4,385	4,335	4,448	5,436
CUNY, John Jay C. of Criminal Justice	336	3,079	3,410	2,786	2,839	2,164	2,342	2,467	1,833	2,949	1,154	2,472	750	4,162	5,393
Morehouse C.	337	7,704	8,280	8,856	9,169	6,919	5,836	4,199	3,663	4,365	4,427	4,686	4,102	5,056	5,371
Langston U.	338	3,313	3,778	3,957	4,153	5,816	5,621	8,941	7,960	7,146	6,331	8,584	2,899	3,484	5,367
South Carolina State U.	339	6,333	6,797	7,261	2,958	2,231	1,503	4,376	13,254	13,846	3,010	3,941	4,344	4,747	5,153
Gallaudet U.	340	4,584	3,876	3,712	3,916	2,586	2,064	2,133	2,273	2,142	1,105	899	2,130	3,014	4,926
Wesleyan U.	341	4,475	5,361	4,612	3,930	3,313	3,582	3,393	3,817	3,990	4,211	3,559	3,452	4,390	4,868
U. New Orleans	342	14,185	12,475	11,481	9,729	8,716	6,787	6,617	5,502	5,246	4,272	3,741	3,566	5,764	4,785
U. New England	343	2,829	3,242	3,359	4,271	4,762	4,856	5,298	5,918	4,976	5,269	5,064	3,864	3,660	4,777
Oklahoma State U., Center for Health Sciences	344	817	377	83	61	31	321	697	984	959	944	2,602	2,304	3,327	4,773
C. Charleston	345	10,105	4,438	5,259	5,354	4,114	4,863	5,026	5,020	3,653	3,689	2,781	3,839	4,305	4,758
DePaul U.	346	3,874	4,601	4,800	4,236	4,818	4,436	4,601	5,393	4,496	4,331	5,024	4,466	3,084	4,701

TABLE 81

Federally financed higher education R&D expenditures in science and engineering fields, ranked by FY 2023 R&D expenditures: FYs 2010–23

(Dollars in thousands)

Institution	Rank	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023			
Southern U. and A&M C., Agricultural Research and Extension Center	347	ne	4,049	5,926	3,481	3,363	2,514	2,415	2,736	i	3,057	3,057	2,085	3,588	4,261	4,688		
California State U., Fresno	348	3,089	3,589	3,517	2,682	2,852	3,040	2,979	3,162		3,925	2,897	3,004	3,593	5,838	4,640		
Lincoln U., Jefferson City	349	5,984	7,084	6,306	4,989	5,460	5,492	4,953	4,148		2,498	2,700	3,636	5,621	8,988	4,610		
U. of the District of Columbia	350	1,946	2,313	2,430	2,168	1,627	1,434	2,451	2,659		2,021	2,526	2,020	5,801	8,555	4,533		
Montclair State U.	351	1,113	2,552	3,265	2,944	1,900	2,116	2,301	1,974		2,942	3,050	2,766	2,816	3,917	4,500		
Spelman C.	352	2,740	1,833	1,874	1,366	1,185	1,035	1,291	1,227		1,673	2,004	2,136	1,886	2,409	4,413		
Southern U. and A&M C., Baton Rouge	353	5,920	6,057	i	6,194	3,998	2,714	3,258	2,778		2,812	2,902	2,680	2,567	3,395	3,545	4,377	
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	3,681	4,606	4,360		
CUNY, Lehman C.	355	2,348	i	2,700	2,208	1,874	2,247	2,371	3,625		3,713	4,177	2,181	2,614	2,606	3,276	4,321	
U. Detroit Mercy	356	629	602	508	ne	317	890	2,565	2,296		4,385	4,908	4,201	3,815	4,640	4,289		
U. Missouri, Saint Louis	357	5,886	8,214	7,990	6,821	5,293	3,984	4,343	4,710		5,889	6,759	5,840	5,299	4,278	4,257		
Kennesaw State U.	358	1,105	983	1,127	i	1,271	1,397	713	1,037		1,306	1,738	1,696	2,562	2,753	4,255		
Barnard C.	359	2,702	3,226	3,122	2,530	2,190	2,166	2,794	2,645		2,291	2,701	2,680	3,422	3,605	4,211		
Pennsylvania State U., Behrend	360	887	1,029	1,232	1,341	1,596	1,474	2,397	1,658		1,025	1,424	543	2,014	2,850	4,159		
Western U. of Health Sciences	361	885	900	1,268	1,130	1,368	1,099	2,299	2,714		2,562	2,573	4,055	5,020	6,202	4,076		
Winston-Salem State U.	362	ne	743	1,280	436	ne	ne	1,069	1,175		1,289	1,468	3,234	4,190	4,442	3,995		
Fisk U.	363	7,686	4,631	4,058	5,429	i	7,366	7,123	i	7,512	4,327	2,781	4,473	3,811	3,926	3,472	3,819	
U. Arkansas, Pine Bluff	364	3,947	4,696	4,540	4,550		3,875	3,912		4,233	3,747	3,648	4,299	4,393	3,960	3,785		
Chicago State U.	365	1,598	2,014	565	ne	ne	ne	910	ne		1,154	894	ne	ne	3,699	3,756		
U. North Florida	366	4,516	5,048	3,760	1,424	1,045	1,184	1,333	1,287		1,325	1,243	1,167	1,917	3,309	3,700		
U. Wisconsin-Superior	367	5,197	5,638	i	5,302	i	ne	1,941	i	ne	ne	1,916	1,527	1,382	1,843	3,635	3,559	
Pacific U.	368	565	75	198	1,669	539	350	708	2,830		1,559	2,731	1,719	1,528	1,903	3,461		
U. Michigan, Dearborn	369	2,801	4,291	2,881	3,103	2,882	1,844	2,035	1,860		1,341	1,722	2,244	2,366	2,528	3,432		
New Mexico Highlands U.	370	963	986	704	741	969	ne	1,086	1,015		741	ne	1,034	1,828	i	2,622	i	3,416
Towson U.	371	1,806	2,630	1,771	2,015	1,870	1,325	1,449	1,453		2,133	2,141	1,999	1,743	2,809	3,413		
Fordham U.	372	3,426	3,086	3,193	3,748	3,239	2,789	4,760	4,750		4,210	3,171	2,834	3,113	3,384	3,371		
James Madison U.	373	5,563	5,218	6,476	4,604	2,997	2,418	2,189	2,172		1,640	2,075	1,973	2,189	2,724	3,343		
Western Kentucky U.	374	6,606	6,079	5,639	4,161	2,916	2,983	3,346	3,285		2,860	3,128	2,977	2,306	3,127	3,317		
U. Washington, Tacoma	375	47	108	130	0	0	1,386	1,595	727		1,523	2,451	2,899	3,130	4,331	3,300		
Middle Tennessee State U.	376	2,428	1,595	4,207	1,897	1,022	1,609	2,564	2,212		2,206	1,572	1,896	4,098	4,088	3,298		

TABLE 81

Federally financed higher education R&D expenditures in science and engineering fields, ranked by FY 2023 R&D expenditures: FYs 2010–23

(Dollars in thousands)

Institution	Rank	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023			
CUNY, C. Staten Island	377	949	1,470	1,242	1,302	1,241	1,021	1,694	1,524	1,737	i	2,120	2,262	2,234	2,875	3,296		
Western Illinois U.	378	658	742	3,855	1,183	735	350	ne	1,198	1,535		1,486	1,781	3,163	4,032	3,283		
New York Institute of Technology	379	250	369	950	2,097	3,049	2,070	1,536	983	1,439		3,072	1,485	1,970	2,988	3,252		
Norfolk State U.	380	5,413	6,345	7,739	5,465	6,381	4,918	6,947	7,101	6,877		7,935	7,121	3,976	3,082	3,245		
Georgia Southern U.	381	1,882	1,520	1,341	1,990	3,123	2,923	2,540	2,826	1,758		1,765	1,759	3,298	2,356	3,216		
Appalachian State U.	382	1,662	2,398	2,264	1,722	2,186	1,795	1,896	2,629	1,840		1,298	1,375	1,313	2,372	3,177		
U. San Diego	383	1,332	1,139	1,903	2,002	2,435	1,799	2,121	2,299	2,362		2,494	2,048	1,997	2,504	3,117		
U. of Health Sciences and Pharmacy in St. Louis	384	ne	ne	ne	ne	ne	ne	ne	ne	ne		ne	3,767	4,063	2,523	3,110		
Hope C.	385	2,523	2,414	1,912	1,993	1,834	1,436	1,251	1,157	1,088		1,349	1,126	1,957	3,468	3,097		
Arkansas State U., Jonesboro	386	6,169	8,591	9,595	6,268	3,849	4,315	4,826	4,396	4,371		4,867	4,712	4,249	3,932	3,083		
Florida Gulf Coast U.	387	2,661	2,740	1,902	1,553	1,153	1,139	1,377	1,105	764		944	2,639	2,410	4,008	3,056		
Rutgers, State U. New Jersey, Camden	388	1,765	1,259	1,248	1,511	1,728	1,984	2,637	2,322	1,495		1,096	1,952	2,841	3,349	3,042		
Sonoma State U.	389	690	559	ne	1,800	1,581	964	531	ne	ne		ne	936	2,212	2,730	3,003		
Smith C.	390	2,755	3,101	2,626	2,824	3,042	3,575	2,563	3,352	3,288		2,887	2,483	2,249	2,252	2,965		
Citadel Military C. South Carolina	391	ne	157	ne	ne	ne	ne	ne	ne	ne		ne	470	1,258	3,731	2,941		
Colby C.	392	1,015	1,002	1,148	989	943	1,038	1,061	1,038	1,188		1,058	787	623	1,387	2,929		
U. Central del Caribe	392	6,504	6,613	6,304	5,946	6,407	6,147	6,290	4,866	2,937		2,705	2,743	2,492	2,807	2,929		
California State Polytechnic U., Humboldt	394	2,965	3,292	3,575	2,819	2,498	3,280	4,455	3,796	3,024		2,103	2,399	1,975	2,421	2,899		
Sam Houston State U.	395	4,887	2,098	2,422	1,729	1,733	1,488	1,830	1,872	2,200		2,316	2,444	2,472	3,216	2,891		
Occidental C.	396	644	898	1,079	1,105	1,365	853	1,260	701	888		1,614	1,567	2,284	2,551	i	2,887	i
Santa Clara U.	397	3,494	1,992	1,953	1,641	1,992	1,224	1,634	1,406	1,520		1,266	1,487	1,756	2,249	2,880		
Troy U.	398	ne	ne	ne	ne	ne	ne	ne	ne	ne		ne	1,536	1,341	2,150	2,873		
Wellesley C.	399	3,406	2,461	2,895	3,130	3,579	2,971	5,065	3,725	3,668		3,447	4,024	3,469	2,915	2,870		
Amherst C.	400	966	1,775	1,810	i	1,846	1,543	1,835	1,207	1,228		1,630	2,118	1,775	1,375	2,862	2,869	
Midwestern U.	401	285	438	427	369	517	654	1,060	1,184	1,278		1,045	936	1,506	1,609	2,862		
U. Northern Iowa	402	499	1,597	1,982	2,146	2,007	1,847	2,267	2,153	1,697		2,343	1,792	1,978	2,132	2,860		
Purdue U., Northwest	403	na	na	na	na	na	na	na	2,218	1,927		1,513	1,969	2,165	2,621	2,859		
Alabama State U.	404	13,340	12,340	13,607	1,927	2,236	2,303	2,372	2,253	2,434		2,577	2,582	2,338	2,930	2,848		
West Virginia State U.	405	2,759	3,193	3,945	3,292	5,646	5,561	4,126	5,072	5,361		4,526	3,993	4,119	4,278	2,800		
Carleton C.	406	1,643	2,132	2,212	3,326	3,046	1,077	832	727	933		1,891	1,236	1,493	1,907	2,790	i	
U. North Carolina, Asheville	407	1,367	1,519	1,565	1,505	1,174	1,452	2,202	1,714	1,309		1,262	1,848	1,775	2,053	2,764		

TABLE 81

Federally financed higher education R&D expenditures in science and engineering fields, ranked by FY 2023 R&D expenditures: FYs 2010–23

(Dollars in thousands)

Institution	Rank	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
St. John's U., New York	408	1,161	1,181	1,095	868	879	942	868	961	1,528	1,666	1,805	1,931	2,416	2,744
U. Washington, Bothell	409	435	363	323	0	711	1,222	546	747	917	1,800	1,260	1,903	3,145	2,704
Youngstown State U.	410	2,067	3,304	2,159	1,825	1,867	2,346	1,083	3,257	3,634	2,878	3,190	1,717	3,464	2,691
Seton Hall U.	411	2,206	1,259	679	691	688	736	825	850	724	810	539	1,003	1,185	2,689
Southern Illinois U., Edwardsville	412	4,140	3,946	2,808	2,896	2,066	2,111	3,077	3,472	2,907	2,951	2,564	2,800	2,629	2,663
California State U., Chico	413	1,466	1,209	1,332	1,668	1,085	743	851	577	1,051	1,359	1,943	1,706	1,725	2,635
U. Southern Maine	414	2,498	3,592	5,415	4,515	3,071	2,460	1,848	2,252	2,237	2,275	2,128	2,020	2,201	2,598
Middlebury C.	415	2,245	2,289	2,513	1,760	1,320	1,535	1,736	2,002	1,701	1,558	1,546	2,639	2,248	2,536
Central Washington U.	416	4,038	2,238	1,840	1,242	1,108	1,575	1,580	2,287	1,840	2,159	1,701	1,778	2,415	2,494
National Defense U.	416	ne	ne	ne	4,906	6,712	4,832	5,720	5,723	2,219	2,155	2,583	2,586	3,420	2,494
SUNY, C. of Optometry	418	2,829	3,336	3,162	2,757	2,567	2,490	2,487	2,073	1,944	1,823	1,688	2,105	2,080	2,469
Dakota State U.	419	ne	402	3,555	831	908	765	1,448	1,989	3,273	3,006	3,957	2,603	3,976	2,437
Tougaloo C.	420	2,978	2,542	1,865	1,857	1,894	1,868	1,747	2,252	2,860	2,293	2,102	2,092	2,098	2,374
Haverford C.	421	2,698	1,851	1,478	1,547	1,309	1,476	972	1,031	1,660	2,339	2,680	2,455	2,722	2,344
Keck Graduate Institute	422	ne	1,744	1,671	1,227	1,302	937	895	853	811	769	727	685	643	2,338
Eastern Michigan U.	423	3,375	3,802	3,081	2,194	932	1,274	1,200	1,005	1,137	1,971	2,520	2,029	1,828	2,315
Bucknell U.	424	2,626	2,600	1,514	1,581	1,724	1,489	1,368	1,317	1,266	1,403	1,730	1,696	2,532	2,313
Northern Kentucky U.	425	1,476	1,573	1,474	1,239	1,396	1,246	1,061	1,047	780	1,223	1,415	2,155	2,585	2,277
California State U., Dominguez Hills	426	2,658	2,671	2,689	2,738	1,384	1,035	1,124	753	1,072	1,135	1,360	1,528	2,143	2,247
Fort Lewis C.	427	325	511	ne	ne	ne	ne	ne	ne	ne	1,284	1,228	1,730	2,053	2,245
Texas Woman's U.	428	822	942	1,058	588	423	299	573	407	326	677	882	1,009	1,494	2,240
Clark U.	429	3,243	3,776	2,970	2,649	2,643	2,297	1,930	2,465	2,949	3,489	3,350	2,754	2,500	2,235
U. New Haven	430	ne	199	235	728	344	183	2,157	474	3,853	2,786	1,440	2,069	2,447	2,227
Dine C.	431	ne	911	ne	ne	ne	ne	ne	ne	1,238	1,126	347	ne	2,091	2,224
Swarthmore C.	432	901	1,005	1,115	1,203	1,261	1,352	1,393	1,402	1,343	1,367	1,011	1,329	1,612	2,213
Saint Joseph's U.	433	960	683	565	292	147	169	160	129	163	261	775	652	2,122	2,196
Reed C.	434	796	772	678	897	1,092	1,638	1,690	415	1,065	1,423	1,635	1,735	1,921	2,173
Toyota Technological Institute, Chicago	435	ne	496	ne	ne	ne	1,392	1,410	1,581	1,759	1,934	3,038	3,090	2,199	2,127
Trinity U.	436	964	1,046	1,222	1,989	1,535	1,151	956	977	1,116	878	1,195	1,078	1,345	2,104
California State U., East Bay	437	643	921	536	310	ne	ne	479	ne	ne	ne	1,018	1,431	2,382	2,101
U. Wisconsin-Stevens Point	438	4,455	3,752	3,049	2,131	1,740	1,349	957	1,266	1,575	1,884	2,193	1,776	1,235	2,079
Saginaw Valley State U.	439	77	525	330	203	ne	223	228	595	1,215	2,332	1,809	1,899	1,940	2,075

TABLE 81

Federally financed higher education R&D expenditures in science and engineering fields, ranked by FY 2023 R&D expenditures: FYs 2010–23

(Dollars in thousands)

Institution	Rank	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Lamar U.	440	4,184	3,959	3,057	1,604	1,118	297	218	917	1,280	1,604	1,157	1,157	625	2,066
Murray State U.	441	2,074	2,471	1,904	816	601	793	555	1,200	1,587	2,607	1,911	2,641	2,161	2,058
Christopher Newport U.	442	1,035	1,587	1,230	1,083	1,263	938	779	859	1,068	1,285	1,347	1,487	1,674	2,053
CUNY, Graduate Center	443	2,663	1,652	1,849	2,180	2,127	1,707	1,004	i 830	2,313	2,785	2,206	2,251	1,289	1,993
Bowie State U.	444	ne	1,910	1,739	1,422	1,761	1,497	1,507	987	1,100	876	1,368	980	3,112	1,977
Harvey Mudd C.	445	2,049	2,594	2,038	2,004	1,457	1,633	2,320	1,521	1,762	1,619	1,748	1,443	1,956	1,968
California State U., Bakersfield	446	637	727	641	1,721	1,140	1,854	1,662	2,416	3,243	4,245	4,244	3,167	1,675	1,967
Alfred U.	447	1,645	1,964	1,625	1,447	1,310	1,305	1,318	883	1,403	1,580	947	939	1,008	1,958
New England C. of Optometry	448	726	1,236	1,685	1,588	533	419	618	ne	837	928	785	1,623	1,609	1,946
Hawaii Pacific U.	449	ne	525	858	850	1,116	789	2,071	1,921	1,905	1,809	1,699	1,741	1,848	1,939
Bowdoin C.	450	1,806	1,876	3,300	3,240	2,330	2,154	2,452	1,811	2,026	1,777	1,862	1,767	1,702	1,938
Long Island U.	451	545	i 590	i 577	i 567	ne	ne	346	1,183	1,416	1,647	1,277	2,538	2,589	1,925
Pennsylvania State U., Harrisburg	452	963	1,288	1,161	377	194	565	270	215	292	80	437	1,597	1,234	1,920
CUNY, New York City C. of Technology	453	59	145	ne	ne	ne	ne	ne	ne	1,978	1,795	1,359	884	1,383	1,849
U. Central Oklahoma	454	1,059	1,146	750	765	993	1,422	1,081	850	1,048	1,277	1,266	i 1,329	i 1,668	i 1,848
Texas A&M International U.	455	1,481	1,191	985	868	977	658	911	1,722	1,980	1,814	941	1,203	1,611	1,831
U. Puerto Rico, Humacao	456	1,950	i 1,976	1,949	1,452	1,102	669	ne	ne	882	828	1,279	1,137	1,160	1,822
Grand Valley State U.	457	1,078	1,610	i 2,142	i 2,675	2,151	2,033	1,479	1,365	1,719	1,663	1,783	1,407	1,802	1,808
Northeastern Illinois U.	458	288	311	ne	ne	588	ne	ne	805	1,877	2,078	1,378	1,370	1,663	1,807
Pace U.	459	627	952	1,469	1,054	1,155	1,329	1,170	862	610	1,537	2,120	1,522	1,472	1,794
Texas Tech U., Health Sciences Center, El Paso	460	ne	ne	ne	ne	5,316	2,689	2,953	2,329	2,489	2,238	1,675	1,566	1,751	1,757
C. New Jersey	461	447	188	ne	ne	ne	ne	ne	874	778	ne	888	1,016	1,860	1,744
West Texas A&M U.	462	2,100	1,340	1,785	1,314	1,324	1,635	1,523	1,108	1,104	1,278	1,253	1,915	1,850	1,743
CUNY, system office	463	ne	ne	819	397	352	828	774	420	1,977	1,347	869	768	764	1,728
California State U., Channel Islands	464	ne	311	ne	316	520	825	244	122	269	500	513	953	1,621	1,720
Morehead State U.	465	1,291	1,656	1,591	1,798	961	1,064	1,668	2,051	1,672	1,471	1,657	1,709	2,086	1,718
Providence C.	466	857	726	ne	827	ne	1,162	981	783	960	857	913	574	ne	1,708
CUNY, Baruch C.	467	1,010	1,025	1,209	547	548	838	1,214	1,027	1,154	1,359	1,470	1,682	1,819	1,705
Indiana U. Pennsylvania	468	489	616	669	101	169	ne	321	1,303	891	1,773	1,221	1,432	1,797	1,702
Savannah State U.	469	1,774	2,518	1,874	2,514	2,127	1,796	2,245	1,388	1,778	1,709	1,804	1,804	1,881	1,675
Coastal Carolina U.	470	1,533	1,439	1,474	1,691	1,281	1,041	858	1,028	1,031	1,294	1,211	944	1,076	1,670

TABLE 81

Federally financed higher education R&D expenditures in science and engineering fields, ranked by FY 2023 R&D expenditures: FYs 2010–23

(Dollars in thousands)

Institution	Rank	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Albany State U.	471	396	893	1,988	1,532	1,271	1,005	965	842	649	903	506	370	ne	1,669
Black Hills State U.	472	1,355	1,097	1,118	1,123	662	635	1,127	812	813	860	1,234	1,048	1,600	1,666
Benedict C.	473	1,473	2,925	2,713	2,625	2,443	1,373	1,621	1,634	1,889	1,226	633	ne	ne	1,665
Utah Valley U.	473	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	1,280	1,665
U. Louisiana, Monroe	475	1,470	1,971	1,752	976	1,705	1,479	2,016	1,838	1,789	1,949	2,025	1,465	1,993	1,655
Mount Holyoke C.	476	1,346	1,883	1,790	1,775	2,374	2,314	2,848	3,168	2,210	2,074	1,442	1,539	1,511	1,612
Pittsburg State U.	477	999	1,280	989	791	1,006	448	270	316	195	339	477	759	1,167	1,591
SUNY, Buffalo State U.	478	1,247	1,958	2,348	1,336	1,076	846	849	860	1,040	1,203	1,240	977	1,255	1,582
U. Nebraska, Kearney	479	289	1,018	714	838	652	513	870	975	1,014	1,227	1,259	1,286	1,794	1,580
Loyola Marymount U.	480	894	2,759	1,139	1,154	906	809	638	705	616	982	997	1,339	1,786	1,577
U. Texas, Tyler	481	1,689	977	2,084	1,325	280	309	352	613	718	813	774	929	1,585	1,550
Virginia Military Institute	482	451	133	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	1,137	1,534
Roger Williams U.	483	1,056	1,391	1,362	1,206	1,454	1,124	1,215	1,183	854	828	844	972	982	1,522
Colgate U.	484	1,519	1,058	1,497	1,320	1,153	1,109	1,217	1,096	1,389	1,202	858	1,440	1,570	1,521
Palmer C. of Chiropractic, Davenport	485	3,009	3,344	2,906	1,991	1,775	i 1,558	1,485	1,189	1,100	1,100	1,400	1,733	1,550	1,500
Hofstra U.	486	920	948	1,117	666	997	1,836	1,762	1,307	1,060	915	606	960	1,820	1,477
Lake Superior State U.	487	ne	133	ne	ne	ne	327	272	726	237	ne	ne	ne	1,184	1,475
Franklin and Marshall C.	488	1,857	1,397	1,116	879	867	991	945	1,711	1,760	1,580	1,202	1,363	1,680	1,469
CUNY, York C.	489	ne	1,507	812	693	ne	288	ne	ne	ne	1,477	1,480	889	1,638	1,459
U. Central Arkansas	490	1,560	1,300	1,314	1,033	1,145	1,222	931	1,183	1,113	1,347	1,374	1,135	1,482	1,458
Bates C.	491	971	1,485	1,555	1,390	1,114	2,004	1,156	1,053	1,121	1,607	1,885	2,079	1,785	1,455
Ferris State U.	492	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	1,430
Claflin U.	493	3,226	5,103	5,090	2,556	1,511	1,158	1,726	1,344	1,491	1,735	1,907	1,005	1,179	1,418
Austin Peay State U.	494	ne	729	481	364	189	334	301	347	599	295	475	597	870	1,401
Oregon Institute of Technology	495	ne	193	ne	ne	ne	63	1,268	694	i 217	437	i 326	252	i 340	i 1,375
Norwich U.	496	ne	1,064	733	878	811	1,121	461	122	ne	ne	ne	ne	ne	1,366
U. Alaska, Southeast	497	1,150	941	887	1,001	1,158	1,341	1,502	1,480	1,636	1,235	1,092	1,046	1,392	1,364
U. Northern Colorado	498	1,606	1,513	1,117	956	1,867	1,230	1,674	1,752	1,745	1,518	1,233	1,362	1,300	1,341
West Chester U. Pennsylvania	499	3,531	i 5,691	788	513	392	500	453	618	425	704	575	486	835	1,338
Davidson C.	500	1,153	1,053	651	1,574	1,166	1,703	810	1,099	738	895	1,254	1,112	1,370	1,329
Williams C.	501	2,330	2,117	2,029	1,498	1,029	1,700	1,614	1,703	1,458	1,131	1,086	i 1,152	i 1,165	i 1,318
U. Richmond	502	2,050	1,705	2,097	1,747	2,004	1,738	1,924	1,870	1,628	1,545	1,588	1,522	1,611	1,308
Nevada State C.	503	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	1,167	1,307
Furman U.	504	1,245	984	1,044	1,108	857	1,071	1,068	1,292	1,110	1,106	847	1,028	1,280	1,300

TABLE 81

Federally financed higher education R&D expenditures in science and engineering fields, ranked by FY 2023 R&D expenditures: FYs 2010–23

(Dollars in thousands)

Institution	Rank	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
U. of the Pacific	504	1,667	1,414	749	823	985	1,019	1,879	1,403	2,057	2,144	1,362	1,106	1,351	1,300
U. Puget Sound	504	86	186	ne	ne	ne	ne	ne	459	ne	ne	397	ne	743	1,300
New School	507	1,376	1,512	1,830	2,370	1,892	2,106	2,366	2,126	1,665	1,790	986	960	1,164	1,290
Bryn Mawr C.	508	932	1,469	1,619	1,853	1,346	1,713	1,641	1,432	1,265	1,052	833	774	1,257	1,289
Texas A&M U.-Commerce	508	1,078	941	1,182	1,319	1,067	1,121	582	604	956	780	1,004	1,085	1,494	1,289
Touro U., California	510	999	1,196	1,390	1,351	1,374	1,332	1,199	1,196	1,410	1,540	1,546	1,375	964	1,279
SUNY, Geneseo	511	679	1,278	1,499	609	455	635	908	992	998	1,184	950	1,187	1,514	1,276
U. Hartford	512	820	1,571	1,450	1,165	1,080	992	1,172	1,178	62	1,019	842	766	886	1,269
Albany C. of Pharmacy and Health Sciences	513	1,380	1,634	1,182	1,333	1,643	1,065	380	566	1,092	1,690	1,938	1,900	1,110	1,256 i
Southeastern Louisiana U.	514	942	735	794	815	692	1,212	757	1,027	830	586	884	582	1,074	1,254
Skidmore C.	515	1,872	1,562	1,334	1,448	1,170	969	732	1,179	1,878	2,261	1,827	1,739	796	1,233
Yeshiva U.	516	163,399	197,032	201,397	193,831	186,885	180,791	30,266	816	683	380	772	1,509	1,695	1,229
U. Houston-Clear Lake	517	301	818	730	875	739	541	756	753	894	718	632	865	841	1,207
Pomona C.	518	1,038	1,769	1,528	2,144	1,789	1,074	1,579	1,038	867	861	1,123	930	1,217	1,205
Vassar C.	519	1,236	1,552	993	1,136	999	954	1,417	1,579	4,185 i	909	1,055	918	952	1,204
Southern Connecticut State U.	520	0	899	605 i	446	1,620 i	1,205 i	981	1,004	766	718	885	613	707	1,192
U. Wisconsin-Green Bay	521	724	631 i	592 i	552 i	512 i	470 i	833 i	604 i	526 i	792 i	859 i	845 i	1,009 i	1,179 i
Western Carolina U.	521	1,273	691	931	647	669	740	873	963	992	1,650	1,615	1,625	1,462	1,179
Fayetteville State U.	523	2,188	1,810	1,421	1,690	2,185	1,792	2,740	2,202	2,251	1,974	799	979	1,060	1,174 i
U. Baltimore	524	1,518	2,328	2,391	2,063	2,513	2,390	3,479	2,922	1,642	1,309	1,024	848	1,092	1,171
California State U., Stanislaus	525	ne	1,037 i	1,070	650	341	174	221	478	734	964	1,284	1,354	1,056	1,150
Kean U.	526	ne	550	1,191	347	ne	244	8	ne	ne	ne	522	242	388	1,141
Lafayette C.	526	1,223	1,421	1,149	1,145	853	1,052	858	1,303	968	838	745	499	1,291	1,141
United Tribes Technical C.	528	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	1,137
SUNY, C. Plattsburgh	529	1,187	726	454	ne	459	717	545	455	1,254	1,142	930	786	584	1,121
Stephen F. Austin State U.	530	4,704	1,385	953	1,055	1,118	1,565	1,011	835	785	1,297	884	814	833	1,098
Kenyon C.	531	413	358	ne	ne	ne	ne	ne	ne	764	776	714	ne	1,021	1,092
U. of the Incarnate Word	532	ne	111	ne	ne	ne	403	ne	ne	868	1,075	869	1,076	1,078	1,086
Butler U.	533	ne	173	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	1,227	1,077
Grinnell C.	534	1,155	287	648	372	414	546	340	582	588	326	617	309	209	1,068
Dillard U.	535	2,711	5,019 i	7,325	7,692	6,889	8,851	7,585	5,592	5,503	1,390	1,164	841	992	1,048
Macalester C.	536	1,044	1,455	1,075	871	878	708	771	970	553	805	647	617	852	1,044
Claremont McKenna C.	537	1,102	1,061	1,082 i	1,081 i	1,080 i	ne	604	754	555	730	741	637	1,070	1,035
U. Wisconsin-Eau Claire	538	1,271	826	786	646	393	ne	660	925	690	742	647	909	681	1,027

TABLE 81

Federally financed higher education R&D expenditures in science and engineering fields, ranked by FY 2023 R&D expenditures: FYs 2010–23

(Dollars in thousands)

Institution	Rank	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023							
Hobart and William Smith Colleges	539	1,030	1,206	914	1,786	666	378	ne	528	ne	1,047	1,072	758	1,264	1,019							
Eastern Washington U.	540	46	559	725	1,226	885	955	1,244	1,181	997	811	1,092	772	848	1,015							
U. San Francisco	540	335	313	1,842	858	738	503	280	405	310	198	148	255	547	1,015							
Colorado State U., Pueblo	542	364	354	ne	ne	ne	ne	ne	ne	ne	1,282	1,161	1,508	1,278	952							
Ursinus C.	543	413	462	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	942							
U. Hawaii, Maui C.	544	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	841	ne	939							
U. Texas of the Permian Basin	545	627	692	786	716	489	595	510	328	50	ne	736	1,610	1,538	935							
Florida Polytechnic U.	546	na	na	na	na	na	203	ne	ne	ne	338	252	424	631	931							
SUNY, Oswego	547	644	871	ne	673	ne	ne	ne	669	661	628	492	415	544	894							
Merrimack C.	548	ne	ne	ne	ne	ne	ne	ne	ne	353	ne	306	ne	ne	892							
Oberlin C.	549	1,359	1,183	1,330	1,204	1,204	1,364	962	1,558	1,096	1,576	743	505	ne	880							
St. Olaf C.	550	1,235	843	1,220	955	760	668	849	769	287	240	227	265	ne	876							
Minnesota State U., Mankato	551	2,001	812	667	297	296	357	1,189	522	639	708	525	575	575	864							
National U. of Natural Medicine	552	ne	247	ne	ne	ne	ne	ne	427	ne	760	912	523	ne	862							
Calvin U.	553	2,031	556	664	731	1,208	1,034	i	795	880	1,332	900	927	i	928	i	930	854				
Abilene Christian U.	554	537	427	ne	ne	ne	ne	ne	ne	ne	ne	ne	757	934	851							
Northwest Indian C.	555	1,943	1,993	i	2,044	2,216	1,705	i	1,154	i	ne	ne	1,649	2,201	572	i	683	i	791	846	i	
U. Wisconsin-Oshkosh	555	769	1,100	1,140	971	i	1,005	i	1,040	i	ne	1,068	i	1,061	i	1,054	i	1,048	i	1,039	1,114	846
Northwestern State U. Louisiana	557	635	683	609	590	494	ne	490	458	490	579	598	738	742	822	i						
Seattle U.	558	467	i	622	530	ne	848	890	809	748	873	574	487	262	452	818						
SUNY, C. Brockport	559	521	677	989	755	564	535	639	747	672	638	781	500	723	802							
Naval War C.	560	ne	ne	0	i	0	i	0	0	3,797	i	4,384	679	724	794	929	800					
Eastern Kentucky U.	561	2,371	2,736	2,149	1,630	1,251	919	1,000	758	619	598	524	530	ne	798							
U. Scranton	562	19	64	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	796							
Rhode Island C.	563	ne	1,195	1,140	993	851	726	1,107	860	669	726	1,102	1,470	1,298	786							
U. South Carolina, Aiken	564	122	i	592	ne	937	759	i	689	1,155	2,697	2,437	2,063	2,328	1,880	857	782					
Lewis and Clark C.	565	818	684	718	1,490	1,378	872	636	723	834	931	1,268	702	746	776							
Northland C.	565	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	615	i	686	i	776	i				
Monmouth U.	567	2,190	1,873	714	ne	635	ne	173	ne	ne	120	110	174	535	762							
U. South Carolina, Beaufort	568	338	i	675	ne	ne	ne	478	ne	ne	ne	ne	ne	ne	752							
U. Houston-Downtown	569	905	1,178	1,824	464	496	773	620	828	703	130	274	504	345	745							

TABLE 81

Federally financed higher education R&D expenditures in science and engineering fields, ranked by FY 2023 R&D expenditures: FYs 2010–23

(Dollars in thousands)

Institution	Rank	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
U. Puerto Rico, Cayey	570	601	871	1,515	1,168	1,143	959	1,105	704	632	963	1,210	1,202	757	733
Lawrence Technological U.	571	2,809	2,425	1,106	985	739	971	326	569	457	294	296	252	588	729
Union C., Schenectady	571	1,427	959	867	1,863	1,385	1,080	1,680	554	872	964	462	976	750	729
Milwaukee School of Engineering	573	1,177	1,181	1,207	1,245	1,500	1,335	1,164	775	680	764	613	751	969	722
U. Wisconsin-La Crosse	574	2,150	2,013	1,876	1,240	1,095	1,006	1,250	1,158	1,171	775	809	895	968	713
Framingham State U.	575	ne	ne	ne	ne	ne	ne	ne	4	17	ne	179	352	525	700
Stockton U.	576	ne	405	160	ne	380	198	221	ne	246	549	663	486	728	688
Edward Via C. of Osteopathic Medicine	577	ne	707	502	517	250	89	88	94	195	749	566	537	482	678
Trinity C., Hartford	578	1,026	1,217	1,432	1,040	1,313	889	893	2,084	794	1,077	1,019	1,348	1,049	666
Texas A&M U.-San Antonio	579	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	394	661
Salisbury U.	580	422	586	360	674	1,155	967	841	806	369	658	204	416	469	658
U. Oklahoma, Tulsa	581	ne	ne	ne	ne	ne	882	1,046	883	1,531	1,415	1,559	681	1,098	649
Franklin W. Olin C. of Engineering	582	ne	666	1,090	946	1,050	1,103	782	473	425	111	255	636	805	641
Robert Morris U.	583	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	567	622
Claremont Graduate U.	584	4,888	1,050	6,200	7,030	5,517	4,696	3,876	3,056	2,236	1,414	803	626	649	617
Colorado C.	585	412	362	307	269	511	570	320	585	259	202	91	197	702	611
SUNY, Cobleskill	586	1,382	909	ne	844	ne	ne	ne	ne	ne	ne	ne	ne	379	605
Marian U., Indianapolis	587	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	596
C. Wooster	588	249	512	183	ne	404	386	ne	736	744	456	283	505	730	583
Elizabeth City State U.	589	5,352	10,176	3,673	3,767	1,956	1,644	1,619	1,305	960	ne	992	1,266	1,150	556
U. Wisconsin-River Falls	590	134	174	ne	ne	ne	ne	ne	501	445	ne	488	212	ne	551
Alaska Pacific U.	591	283	349	ne	ne	ne	532	322	252	217	304	121	187	542	546
Western New England U.	592	ne	931	325	ne	ne	ne	580	214	ne	ne	ne	ne	648	538
Southern U., New Orleans	593	0	254	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	536
Liberty U.	594	ne	ne	ne	ne	ne	ne	ne	ne	ne	535	486	120	ne	532
Des Moines U.	595	62	91	ne	ne	224	ne	363	842	897	805	425	1,019	1,589	521
Gettysburg C.	596	524	266	ne	ne	ne	ne	ne	597	901	841	320	ne	ne	517
U. of St. Thomas (MN)	597	656	720	557	570	352	ne	195	212	320	313	450	1,321	472	514
Northern Michigan U.	598	287	124	ne	ne	ne	ne	228	96	151	258	418	366	513	511
Winthrop U.	598	ne	871	935	651	594	676	490	391	442	634	697	679	628	511
Connecticut C.	600	954	1,005	1,130	833	514	756	817	777	505	752	483	439	554	501

TABLE 81

Federally financed higher education R&D expenditures in science and engineering fields, ranked by FY 2023 R&D expenditures: FYs 2010–23

(Dollars in thousands)

Institution	Rank	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
West Virginia School of Osteopathic Medicine	601	22	17	ne	ne	ne	ne	ne	ne	ne	ne	414	418	468	500 i
Willamette U.	602	441	419	911	646	672	730	757	739	807	435	222	486	587	490
Indiana State U.	603	990	1,352	1,268	858	1,005	925	954	510	629	821	635	292	579	464
U. Puerto Rico, Ponce	604	ne	130	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	460
Ithaca C.	605	617	627	774	788	763	570	ne	ne	ne	ne	981	685	703	453
Johnson C. Smith U.	606	ne	ne	ne	ne	ne	ne	483	603	994	913	1,087	405 i	370	449
Whitman C.	606	1,072	957	398	ne	ne	ne	ne	ne	ne	701	558	ne	434	449
U. Virginia's C. Wise	608	76	38	ne	ne	ne	ne	ne	ne	ne	ne	ne	1,307	786	447
Andrews U.	609	280	77	ne	ne	ne	ne	ne	ne	ne	278	263	256	ne	445
Philadelphia C. of Osteopathic Medicine	610	812	850	694	277	104	192	150	260	260	346	422	318	40	442
U. Illinois, Springfield	611	332	373	554	503	405	307	527	1,169	1,108	966	971	1,056	881	440
Bryant U.	612	ne	143	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	436
Marshall B. Ketchum U.	613	ne	ne	ne	ne	48	224	375	368 i	354 i	336 i	323 i	343 i	383 i	433 i
Wheaton C., Wheaton	614	ne	585	114	ne	168	162	ne	70	50	301	324	148	ne	428
Bentley U.	615	ne	ne	ne	ne	ne	ne	ne	110	ne	ne	ne	ne	223	426
U. Wisconsin-Platteville	616	46	50 i	ne	ne	287 i	266 i	ne	299 i	ne	294 i	292 i	321 i	396 i	423 i
Manhattan C.	617	166	245	ne	ne	ne	ne	ne	ne	ne	245	398	397	440	422
Canisius U.	618	154	181	ne	ne	ne	ne	ne	1,330	1,044	943	ne	597	454	411
Hamilton C.	619	812	1,085	1,070	848	413	202	173	48	78	88	61	259	329	409
Pepperdine U.	620	199	172	428	465	586	724	966	343	289	399	261	410	364	402
Marymount U.	621	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	337	178	396
Sul Ross State U.	622	1,595	1,672	1,073	735	546	333	272	440	553	339	481	206 i	294 i	383
Elon U.	623	ne	40	111	161	143	92	194	213	285	264	106	138	361	381
Sacred Heart U.	624	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	103	ne	371
U. North Georgia	625	ne	ne	ne	ne	ne	ne	ne	257	198	222	183	435	597	367
Gustavus Adolphus C.	626	97	109	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	364
Lincoln U.	627	1,114	951	1,313	861	ne	ne	ne	ne	645	ne	ne	ne	ne	342
Drake U.	628	361	229	ne	560	ne	ne	830	486	262	220	ne	371	525	324
Indiana U., South Bend	629	282	494	375	638	575	408	344	239	100	ne	ne	262	ne	323
St. Edward's U.	630	ne	3,073	2,450	2,640	1,633	4,200	3,600	5,560	1,596	4,893	4,568	3,980	1,010	315
Pennsylvania State U., Altoona	631	265	386	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	297
Central Connecticut State U.	632	351	662	666	601	433	193	131	208	ne	328	518	508	470	285

TABLE 81

Federally financed higher education R&D expenditures in science and engineering fields, ranked by FY 2023 R&D expenditures: FYs 2010–23

(Dollars in thousands)

Institution	Rank	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
U.S. Coast Guard Academy	633	628	487	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	278
Grambling State U.	634	993	1,515	1,298	1,077	1,065	915	974	846	778	558	359	436	404	i 275
Memorial Sloan Kettering Cancer Center, Louis V. Gerstner Jr. Graduate S. of Biomedical Sciences	635	ne	106	179	340	523	264	643	206	201	191	342	376	858	273
Suffolk U.	636	ne	299	198	351	313	217	411	i 573	i ne	ne	842	634	340	233
Albion C.	637	ne	113	ne	ne	ne	ne	ne	210	114	180	272	257	i 242	i 226
Purdue U., Fort Wayne	638	1,231	1,490	1,132	1,121	806	956	742	688	766	476	561	379	280	208
Heidelberg U.	639	ne	266	i ne	349	199	272	294	428	163	164	188	308	262	197
St. Cloud State U.	640	501	380	215	420	797	1,299	561	554	494	515	141	273	90	196
Fairfield U.	641	372	401	379	i 354	810	339	435	982	1,172	563	365	147	ne	180
William Paterson U.	642	105	140	ne	ne	ne	ne	299	178	195	626	1,072	1,240	1,318	163
Lipscomb U.	643	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	188	i 203	ne	159
U. of Mary Washington	644	ne	563	i 79	ne	ne	187	ne	ne	46	128	207	246	237	149
New C. Florida	645	514	626	451	ne	332	ne	ne	167	ne	ne	ne	ne	ne	146
Azusa Pacific U.	646	ne	970	609	i ne	ne	323	606	334	199	125	128	206	282	140
St. Mary's C. Maryland	646	233	327	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	140
Radford U.	648	136	162	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	109
East Stroudsburg U. Pennsylvania	649	ne	250	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	128	100
Eastern Connecticut State U.	650	ne	0	ne	ne	6	17	27	19	36	181	177	108	42	70
C. of Saint Benedict	651	ne	0	ne	72	71	53	38	44	47	45	i 43	i 42	i 47	i 53
Roseman U. of Health Sciences	652	ne	0	ne	ne	131	0	0	0	18	37	i 56	53	30	38
U. California, Office of the President	653	121	483	1,048	599	248	181	295	288	343	319	217	379	158	25
Arcadia U.	654	460	726	537	ne	ne	ne	ne	ne	ne	ne	ne	178	ne	18
Babson C.	655	ne	187	ne	ne	ne	ne	0	0	0	0	0	0	16	2
Lincoln Memorial U.	655	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	2
All other surveyed institutions	-	1,273,444	1,432,682	1,398,836	1,297,713	1,065,253	1,040,197	1,070,686	1,126,617	1,207,511	633,373	601,309	262,871	251,330	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 \$2,268,228 thousand in federally financed R&D expenditures in science and engineering fields in FY 2023.

^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 Colorado Denver and University of Colorado Anschutz Medical Center report to the survey separately. Prior to FY 2021, expenditures were reported together under University of Colorado Denver and Anschutz Medical Campus.

^d The University of Nebraska, Lincoln and Medical Center includes expenditures from the University of Nebraska, Lincoln; University of Nebraska, Medical Center; and University of Nebraska, Central Administration campuses. Due to a realignment within the University of Nebraska system that occurred on 22 June 2023, the three campuses fall under the leadership of one president. Prior to FY 2023, these three campuses reported to the survey as separate institutions.

^e The University of South Florida includes expenditures from the University of South Florida, Tampa; University of South Florida, Saint Petersburg; and University of South Florida, Sarasota-Manatee campuses. Due to the consolidation of the three campuses that occurred on 1 July 2020, University of South Florida, Saint Petersburg and University of South Florida, Sarasota-Manatee began reporting with the University of South Florida, Tampa as the University of South Florida. Prior to FY 2021, all three campuses reported to the survey as separate institutions.

^f 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.

^g Touro University, New York includes the Lovelace Biomedical Research Institute. In FY 2023, the Lovelace Biomedical Research Institute joined the Touro University System.

Note(s):

Institutions reporting zero expenditures in ranked total for FY 2023 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.