

TABLE 23

Higher education R&D expenditures, ranked by all R&D expenditures, by R&D field: FY 2021

(Dollars in thousands)

Institution	Rank	All R&D expenditures	Computer and information sciences	Geosciences, atmospheric sciences, and ocean sciences	Life sciences	Mathematics and statistics	Physical sciences	Psychology	Social sciences	Sciences nec	Engineering	All non-S&E fields
All institutions	-	89,723,447	2,951,923	3,295,883	52,364,596	772,935	5,740,630	1,326,030	2,842,033	1,022,500	14,293,487	5,113,430
Johns Hopkins U. ^a	1	3,181,385	270,040	79,257	1,069,865	117,429	338,454	6,201	5,305	50,406	1,237,980	6,448
U. California, San Francisco	2	1,710,036	0	0	1,639,862	0	69,817	0	0	357	0	0
U. Michigan, Ann Arbor	3	1,639,645	13,922	15,080	931,174	17,937	66,041	18,255	175,698	3,628	279,682	118,228
U. Pennsylvania	4	1,631,950	27,396	1,929	1,243,966	8,637	59,246	15,250	46,021	1,172	88,937	139,396
U. Washington, Seattle	5	1,488,645	26,869	128,033	1,013,261	5,778	58,664	11,269	13,491	0	157,622	73,658
U. California, Los Angeles	6	1,454,880	16,186	41,818	1,053,540	12,110	56,624	17,464	62,413	42,390	93,906	58,429
U. California, San Diego	7	1,425,499	46,962	185,870	827,370	5,639	86,893	18,645	22,940	13,214	177,564	40,402
U. Wisconsin-Madison	8	1,380,075	23,678	65,814	861,558	6,394	87,587	10,944	63,043	44,157	131,709	85,191
Stanford U.	9	1,274,483	23,232	21,216	905,150	6,070	98,672	16,587	22,559	272	136,251	44,474
Harvard U.	10	1,254,008	20,858	38,756	714,069	19,503	109,606	4,200	136,543	8,608	92,782	109,083
Duke U.	11	1,237,686	5,273	7,310	1,040,786	8,922	22,131	6,923	36,432	23	94,483	15,403
Ohio State U.	12	1,236,111	16,691	7,979	876,239	4,793	40,010	8,139	17,017	42,228	163,509	59,506
U. North Carolina, Chapel Hill	13	1,205,883	32,344	16,879	925,380	5,489	38,809	43,348	67,325	15	30,935	45,359
Cornell U.	14	1,183,524	28,125	6,589	833,824	2,467	120,151	11,273	22,269	0	118,621	40,205
Yale U.	15	1,165,148	7,379	7,021	1,012,626	3,589	56,847	10,453	14,055	29	35,778	17,371
Texas A&M U., College Station and Health Science Center	16	1,147,720	19,178	106,932	487,219	6,729	56,029	6,546	28,965	10,943	385,656	39,523
U. Maryland ^b	17	1,142,264	50,483	61,660	633,517	3,760	101,322	8,600	58,423	15,701	154,163	54,635
U. Pittsburgh, Pittsburgh	18	1,135,416	10,455	9,952	983,251	2,891	27,919	16,966	4,070	12,637	56,681	10,594
U. Texas M. D. Anderson Cancer Center	19	1,124,971	0	0	1,056,727	18,914	17,572	17,939	13,819	0	0	0
Georgia Institute of Technology	20	1,114,481	146,318	13,998	32,997	8,614	33,914	3,782	7,467	0	839,071	28,320
Columbia U. in the City of New York	21	1,098,570	27,763	77,515	797,089	2,951	46,386	4,637	11,332	0	75,457	55,440
U. Minnesota, Twin Cities	22	1,072,961	22,629	13,634	760,975	8,555	41,812	29,408	33,248	2,845	121,637	38,218

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New York U.	23	1,063,704	15,246	436	771,663	16,998	26,417	27,209	29,601	17	99,307	76,810
Vanderbilt U. and Vanderbilt U. Medical Center	24	1,019,273	18,226	1,861	806,323	1,317	30,077	15,687	8,539	0	86,541	50,702
Washington U., Saint Louis	25	989,214	4,575	6,083	887,653	840	24,320	6,121	1,374	3,116	26,574	28,558
Pennsylvania State U., University Park and Hershey Medical Center	26	970,544	73,737	31,930	291,733	14,090	89,035	29,685	27,130	0	378,667	34,537
U. Florida	27	959,965	15,238	16,189	706,987	1,757	28,005	12,597	16,015	12	122,704	40,461
U. Southern California	28	955,565	115,694	14,323	598,925	1,472	21,413	9,837	75,520	162	78,179	40,040
Massachusetts Institute of Technology	29	949,076	116,877	30,961	118,283	9,015	170,494	478	47,850	19,812	382,569	52,737
Northwestern U.	30	913,178	8,957	1,342	659,195	1,490	83,618	3,352	21,988	27,424	80,735	25,077
Emory U.	31	852,922	2,841	2,217	789,831	1,693	25,676	5,215	3,979	0	11,488	9,982
U. California, Berkeley	32	846,872	9,583	7,857	264,394	8,067	156,896	16,892	56,908	74,539	199,711	52,025
Icahn School of Medicine at Mount Sinai	33	820,260	0	0	820,260	0	0	0	0	0	0	0
U. California, Davis	34	817,409	5,934	30,603	590,027	4,698	27,906	3,177	30,951	9,720	102,370	12,023
U. Texas, Austin	35	779,348	87,595	54,009	148,471	17,349	85,250	10,293	23,660	2,806	279,730	70,185
U. Arizona	36	770,031	16,503	32,088	447,584	3,347	140,655	4,255	18,628	6,158	72,158	28,655
U. Illinois, Urbana-Champaign	37	731,268	99,600	5,521	258,253	3,612	78,698	15,063	5,604	13,335	216,233	35,349
Baylor C. of Medicine	38	716,976	0	0	716,976	0	0	0	0	0	0	0
Michigan State U.	39	710,178	15,996	5,695	317,235	11,152	167,520	13,042	45,620	17,284	79,360	37,274
Indiana U., Bloomington	40	695,258	38,843	7,960	501,125	1,678	30,322	13,211	40,800	12,122	13,012	36,185
Purdue U., West Lafayette	41	679,482	22,324	7,578	237,182	2,742	42,663	8,342	14,611	2,619	285,469	55,952
Arizona State U.	42	677,303	22,498	68,116	111,790	4,121	26,742	14,623	73,205	128,982	145,574	81,652
Boston U.	43	652,096	14,542	7,876	445,535	5,039	35,094	22,092	9,041	6,515	79,757	26,605
U. Alabama, Birmingham	44	644,330	1,356	436	571,525	383	9,885	5,695	317	10	46,844	7,879

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Rutgers, State U. New Jersey, New Brunswick	45	643,955	6,316	24,326	483,265	9,673	23,111	6,145	7,351	3,804	51,289	28,675
U. Texas Southwestern Medical Center	46	632,134	0	0	632,134	0	0	0	0	0	0	0
U. Utah	47	624,737	33,446	47,024	420,965	3,708	30,441	7,255	6,254	0	48,225	27,419
U. Virginia, Charlottesville	48	611,313	24,669	5,356	402,376	1,710	27,304	7,565	18,063	2,389	62,271	59,610
U. Colorado Anschutz Medical Campus ^c	49	562,855	0	212	559,348	0	391	20	352	0	1,204	1,328
U. Iowa	50	553,876	4,180	1,971	415,734	406	32,013	10,981	6,010	3,124	47,722	31,735
U. Cincinnati	51	551,826	3,614	913	456,847	1,320	9,189	4,278	11,451	898	42,434	20,882
U. Colorado Boulder	52	547,724	16,468	118,876	53,211	2,857	120,677	13,610	14,018	1,724	177,604	28,679
North Carolina State U.	53	547,118	17,016	25,579	237,289	20,392	28,455	2,523	10,768	14,385	172,900	17,811
Virginia Polytechnic Institute and State U.	54	542,045	25,466	3,534	207,204	8,107	24,374	4,169	11,574	89	246,965	10,563
U. California, Irvine	55	523,752	23,444	13,034	315,900	6,314	38,794	10,898	12,606	1,036	65,454	36,272
U. Chicago	56	497,651	26,205	8,854	336,114	4,653	55,032	6,041	22,088	0	30,018	8,646
U. Georgia	57	493,944	4,121	17,846	309,153	5,845	10,896	27,865	28,411	4,995	20,289	64,523
Scripps Research Institute	58	485,435	0	0	485,435	0	0	0	0	0	0	0
SUNY, Polytechnic Institute	59	465,273	0	0	2,587	0	0	0	0	0	462,562	124
Oregon Health and Science U.	60	452,812	0	0	439,212	0	0	60	0	0	13,526	14
Colorado State U., Fort Collins	61	447,197	3,621	60,073	288,731	2,980	12,947	3,755	11,988	6,461	41,575	15,066
California Institute of Technology	62	438,624	13,508	43,295	100,754	1,039	212,265	0	0	0	51,630	16,133
U. Illinois, Chicago	63	429,585	12,103	943	324,053	4,021	17,718	2,928	8,351	6,112	35,675	17,681
U. Kentucky	64	429,241	4,011	3,356	323,030	1,512	8,722	4,185	4,075	17,548	52,361	10,441
SUNY, U. Buffalo	65	425,349	17,679	4,912	254,314	1,730	13,431	5,677	8,687	642	100,194	18,083
Case Western Reserve U.	66	421,868	2,407	536	360,294	697	9,007	1,654	5,880	379	39,079	1,935
U. Rochester	67	409,255	3,608	2,536	271,630	214	99,556	5,135	343	7,256	16,780	2,197

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U. South Florida ^d	68	405,088	11,614	19,373	203,414	3,055	9,900	6,927	33,907	1,299	50,547	65,052
Princeton U.	69	404,448	23,518	29,203	95,938	11,672	99,326	5,441	57,323	0	67,231	14,796
Carnegie Mellon U.	70	402,376	196,380	364	14,273	12,464	21,109	10,631	12,392	6,330	112,597	15,836
U. Missouri, Columbia	71	388,779	6,866	1,249	237,728	1,377	8,722	5,836	6,665	29,372	56,685	34,279
U. Kansas	72	385,637	3,652	11,923	230,059	543	15,492	11,469	1,918	8,381	21,363	80,837
Uniformed Services U. of the Health Sciences	73	384,490	0	0	366,610	0	0	17,880	0	0	0	0
U. Oklahoma, Norman and Health Science Center	74	380,048	4,661	91,101	165,745	2,274	16,497	2,599	11,396	0	39,785	45,990
U. Miami	75	375,841	835	50,826	297,764	843	5,000	14,808	463	64	4,527	711
Virginia Commonwealth U.	76	364,096	6,270	278	233,486	698	3,396	10,533	4,959	0	32,233	72,243
Iowa State U.	77	360,275	5,844	5,650	142,283	16,101	26,696	3,595	10,196	878	123,428	25,604
Washington State U.	78	357,648	8,393	8,946	211,107	535	26,256	5,000	15,147	1,216	48,031	33,017
Rockefeller U.	79	357,543	8,886	660	339,729	1,433	6,835	0	0	0	0	0
U. Massachusetts, Medical School	80	347,337	0	0	347,337	0	0	0	0	0	0	0
U. New Mexico	81	332,566	3,657	6,727	243,730	1,229	7,087	6,321	10,544	6,770	41,317	5,184
Dartmouth C. and Dartmouth Hitchcock Medical Center	82	330,226	18,556	4,607	163,702	6,932	26,312	11,670	23,175	4,466	33,559	37,247
Florida State U.	83	328,604	10,320	16,252	61,377	6,567	63,481	16,829	18,501	5,435	52,153	77,689
Utah State U.	84	325,223	3,039	2,146	56,043	720	5,111	5,331	2,417	0	247,332	3,084
U. Tennessee, Knoxville	85	316,273	11,725	5,062	86,080	2,938	20,809	4,744	10,596	16,841	128,579	28,899
U. Texas Health Science Center, Houston	86	308,823	0	0	308,823	0	0	0	0	0	0	0
U. Nebraska, Lincoln	87	307,083	9,353	2,028	153,809	4,556	25,194	12,502	11,493	2,521	51,287	34,340
U. Connecticut	88	302,329	5,294	10,483	175,232	2,119	17,682	22,130	6,705	2,260	54,185	6,239
Albert Einstein C. of Medicine	89	301,715	0	0	301,715	0	0	0	0	0	0	0
Temple U.	90	299,778	6,327	2,108	223,136	2,547	17,979	11,427	7,649	548	8,279	19,778

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Louisiana State U., Baton Rouge	91	296,673	15,399	28,763	158,608	2,077	23,438	750	4,537	10,831	39,104	13,166
Georgetown U.	92	279,932	19,590	0	183,629	2,606	10,525	949	32,030	0	0	30,603
Medical U. South Carolina	93	277,761	0	0	277,761	0	0	0	0	0	0	0
Oregon State U.	94	276,955	7,241	43,111	151,779	1,247	4,727	1,035	5,713	3,634	52,731	5,737
Medical C. Wisconsin	95	276,850	0	0	269,290	0	0	0	0	0	7,560	0
Brown U.	96	276,331	14,984	7,954	139,126	10,903	17,072	8,598	32,799	9,115	23,587	12,193
Mississippi State U.	97	275,143	5,546	15,520	127,096	1,880	10,755	1,836	25,601	2,206	67,472	17,231
SUNY, Stony Brook U.	98	274,516	12,621	26,694	127,257	7,407	43,101	5,557	2,776	16,646	28,344	4,113
U. Hawaii, Manoa	99	271,768	11,590	73,176	123,962	439	26,381	414	3,481	5,283	23,966	3,076
Auburn U., Auburn	100	266,374	5,127	4,008	111,491	3,471	15,214	3,137	6,228	1,998	78,720	36,980
George Washington U.	101	266,108	7,326	175	180,965	725	7,033	3,071	23,621	2,836	22,749	17,607
Wake Forest U.	102	264,216	266	0	253,797	161	2,236	812	689	0	1,204	5,051
Woods Hole Oceanographic Institution	103	262,048	0	160,059	0	0	0	0	0	0	101,989	0
U. California, Santa Barbara	104	248,961	11,503	37,222	29,848	1,416	54,435	3,457	8,231	385	86,303	16,161
Florida International U.	105	246,075	16,708	16,584	55,462	1,915	27,997	34,345	19,172	1,950	41,740	30,202
U. Notre Dame	106	240,324	13,961	0	29,599	4,751	47,332	4,454	10,334	13,385	90,572	25,936
Clemson U.	107	237,485	7,040	0	66,524	1,870	10,139	1,587	6,298	0	90,038	53,989
Wayne State U.	108	235,519	2,158	288	175,847	1,093	19,885	2,542	3,585	5,621	11,675	12,825
U. Delaware	109	231,532	4,182	18,173	60,823	1,384	26,015	7,990	13,326	2,435	90,327	6,877
Tufts U.	110	224,956	1,045	377	149,664	7,181	9,212	5,486	15,859	8,188	24,017	3,927
U. Texas Health Science Center, San Antonio	111	219,734	0	0	219,734	0	0	0	0	0	0	0
U. Central Florida	112	218,596	32,242	3,951	30,876	3,269	37,144	9,231	6,935	893	57,620	36,435
U. South Carolina, Columbia	113	215,374	3,311	9,609	84,069	1,558	6,928	8,759	17,831	154	36,223	46,932
George Mason U.	114	214,207	24,420	12,577	47,800	2,493	4,786	3,029	48,250	24	49,826	21,002
U. Massachusetts, Amherst	115	213,824	27,336	3,582	69,519	3,218	22,250	8,004	5,623	1,590	60,065	12,637

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Northeastern U.	116	211,342	21,505	4,044	32,513	1,210	24,279	9,695	13,062	0	92,723	12,311
Rice U.	117	207,404	11,623	4,786	15,766	7,349	33,015	5,772	21,092	528	100,872	6,601
Georgia State U.	118	206,472	4,896	1,500	65,536	2,091	17,588	9,692	33,767	0	0	71,402
Tulane U.	119	205,206	1,873	4,217	164,874	518	5,018	1,771	6,935	0	6,662	13,338
Kansas State U.	120	203,846	3,898	1,130	119,328	2,708	12,736	4,287	9,633	8,736	27,743	13,647
U. Houston	121	202,536	4,352	9,292	34,322	3,497	52,230	13,601	2,404	1,590	56,555	24,693
U. Nebraska, Medical Center	122	200,974	0	0	200,974	0	0	0	0	0	0	0
Thomas Jefferson U.	123	200,393	0	0	200,309	0	0	0	0	0	55	29
U. Louisville	124	200,362	71	185	157,735	697	3,254	1,757	1,330	1,778	20,965	12,590
West Virginia U.	125	199,907	2,179	3,965	124,894	579	12,431	2,304	3,681	1,063	39,855	8,956
Oklahoma State U., Stillwater	126	198,799	3,636	3,119	77,720	4,276	8,824	6,926	5,445	6,896	35,094	46,863
Texas Tech U.	127	197,739	4,274	9,282	55,930	3,678	15,784	8,762	11,235	0	41,962	46,832
U. Vermont	128	195,320	2,978	3,237	142,622	3,153	4,354	3,694	6,052	4,303	11,914	13,013
U. Arkansas for Medical Sciences	129	194,709	0	0	194,709	0	0	0	0	0	0	0
Montana State U., Bozeman	130	193,577	2,625	5,468	74,897	2,527	23,329	415	2,194	11,499	51,785	18,838
Wichita State U.	131	192,042	0	320	14,196	419	1,438	478	380	0	157,430	17,381
U. Dayton	132	191,228	7,528	465	544	3	910	118	15	0	180,158	1,487
U. California, Riverside	133	189,600	8,295	10,303	98,539	1,994	17,559	3,791	5,224	2,821	34,888	6,186
U. Texas Medical Branch	134	185,759	0	0	184,500	0	0	0	0	0	1,259	0
U. Louisiana, Lafayette	135	181,400	16,823	6,277	80,528	3,119	6,453	151	3,919	1,184	30,295	32,651
U. Nevada, Reno	136	175,386	6,843	19,030	78,218	1,777	8,025	6,422	7,637	2,845	27,769	16,820
U. Alaska, Fairbanks	137	172,957	1,116	95,711	37,477	191	16,441	0	1,248	1,425	17,314	2,034
U. New Hampshire	138	167,373	1,057	55,523	52,907	1,239	4,957	1,279	13,329	0	22,509	14,573
New Jersey Institute of Technology	139	166,587	11,575	0	22,393	4,949	15,415	0	6,602	16	82,240	23,397
U. Arkansas, Fayetteville	140	164,443	5,882	5,686	79,509	60	8,111	994	4,212	0	37,818	22,171
North Dakota State U.	141	164,050	2,929	680	106,163	1,501	10,077	2,283	6,686	5,701	13,963	14,067

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U. California, Santa Cruz	142	160,615	5,128	31,217	28,302	156	35,606	868	5,411	575	49,576	3,776
Drexel U.	143	152,752	5,655	0	96,668	620	2,074	2,435	2,271	1,714	32,665	8,650
Syracuse U.	144	151,717	5,582	3,005	10,916	2,572	13,926	3,916	14,920	145	24,698	72,037
U. Alabama, Huntsville	145	149,792	48,967	17,960	2,620	709	15,071	233	820	0	55,510	7,902
U. Maine	146	146,801	2,585	24,778	38,598	657	6,803	1,108	2,316	12,888	46,986	10,082
U. Texas, San Antonio	147	145,362	19,203	3,429	26,419	1,554	11,547	2,835	9,393	2,153	21,499	47,330
U. North Dakota	148	143,506	1,856	6,234	31,330	372	2,964	1,713	1,577	317	86,578	10,565
U. Oregon	149	139,193	6,362	6,060	56,791	694	13,881	19,455	3,797	1,950	0	30,203
U. Alabama, Tuscaloosa	150	129,509	12,797	4,302	14,565	1,174	7,991	5,384	9,556	0	43,941	29,799
U. Rhode Island	151	129,296	439	52,469	28,984	5	3,328	3,222	1,417	19,636	10,766	9,030
U. Texas, Arlington	152	126,477	6,865	867	19,246	2,350	16,864	1,568	79	0	58,154	20,484
SUNY, Binghamton U.	153	124,565	8,490	1,636	12,788	3,133	14,568	10,640	19,706	0	39,529	14,075
U. Texas, Dallas	154	122,825	8,945	598	27,495	1,363	16,444	4,130	2,666	672	50,646	9,866
U. Montana, Missoula	155	121,571	2,207	6,212	72,501	878	8,615	933	20,948	0	0	9,277
Rensselaer Polytechnic Institute	156	119,056	13,145	1,868	6,913	2,944	12,251	4,036	1,535	78	67,810	8,476
Augusta U.	157	116,480	141	0	115,862	44	172	155	41	0	0	65
U. Mississippi	158	116,175	273	1,306	82,916	358	10,803	889	1,777	174	6,033	11,646
Cold Spring Harbor Laboratory	159	114,903	0	0	114,885	0	0	0	0	0	0	18
SUNY, U. Albany	160	114,501	5,230	15,605	52,135	1,400	6,791	3,748	12,288	23	3,133	14,148
New Mexico State U.	161	110,580	4,043	5,067	48,808	116	20,108	422	570	502	29,884	1,060
U. Tennessee, Health Science Center	162	109,562	0	0	107,620	0	0	0	0	1,255	687	0
U. Texas, El Paso	163	109,410	6,234	3,757	23,452	2,412	9,092	4,407	4,964	5,975	26,599	22,518
San Diego State U.	164	107,681	1,439	2,158	31,479	3,883	6,681	18,729	4,876	6,322	10,715	21,399
Brandeis U.	165	107,549	3,187	0	27,969	1,880	15,157	4,423	34,261	0	4,055	16,617
Rush U.	166	107,398	0	0	104,999	0	0	2,399	0	0	0	0
U. Idaho	167	105,895	2,184	4,803	73,435	194	1,646	189	4,453	2,788	12,944	3,259
U. Nevada, Las Vegas	168	101,009	1,015	6,082	32,306	2,624	10,589	3,738	6,536	558	10,667	26,894

TABLE 23

Higher education R&D expenditures, ranked by all R&D expenditures, by R&D field: FY 2021

(Dollars in thousands)

Institution	Rank	All R&D expenditures	Computer and information sciences	Geosciences, atmospheric sciences, and ocean sciences	Life sciences	Mathematics and statistics	Physical sciences	Psychology	Social sciences	Sciences nec	Engineering	All non-S&E fields
U. Massachusetts, Lowell	169	94,708	7,420	2,614	12,821	754	18,308	1,743	6,915	397	36,339	7,397
U. Wyoming	170	93,202	1,580	11,251	43,538	1,306	1,808	412	1,086	6,574	24,675	972
U. Maryland, Baltimore County	171	84,418	12,102	15,087	10,033	428	19,202	1,491	14,413	2,234	6,668	2,760
Michigan Technological U.	172	81,715	4,582	16,272	2,621	1,942	4,085	546	1,279	447	46,733	3,208
Colorado School of Mines	173	81,443	3,894	5,713	3,081	682	10,812	0	1,220	0	54,062	1,979
U. North Texas, Denton	174	81,252	7,269	1,879	13,582	237	8,710	2,719	4,057	0	18,285	24,514
Saint Louis U.	175	79,005	1,345	2,264	65,928	190	2,131	233	1,380	0	1,999	3,535
Texas State U.	176	72,510	1,200	7,338	11,708	1,057	3,421	272	4,437	1,759	9,321	31,997
Cleveland State U.	177	71,451	0	0	45,321	642	976	762	5,902	0	12,371	5,477
Northern Arizona U.	178	69,129	4,037	6,790	41,082	0	8,120	396	167	469	6,497	1,571
William & Mary	179	68,801	2,575	34,838	2,669	371	5,985	367	9,878	1,380	0	10,738
U. Southern Mississippi	180	67,417	232	26,110	11,218	0	14,672	118	2,134	0	5,963	6,970
U. Memphis	181	67,092	7,957	4,089	9,537	1,250	3,372	5,431	7,319	1,702	9,464	16,971
American U.	182	65,912	649	1,035	1,148	1,538	4,404	1,063	16,428	3,243	0	36,404
Van Andel Research Institute	183	65,789	0	0	65,789	0	0	0	0	0	0	0
Indiana U.-Purdue U., Indianapolis	184	65,330	4,643	938	22,890	404	2,748	4,030	11,605	4,993	6,604	6,475
Boston C.	185	65,156	663	7,414	9,313	1,079	11,863	4,588	10,756	0	50	19,430
Naval Postgraduate School	186	65,101	6,058	6,591	1,537	2,435	5,927	151	6,669	4,618	24,254	6,861
U. Massachusetts, Boston	187	63,723	2,709	2,960	8,612	486	4,174	4,292	12,178	444	1,266	26,602
Old Dominion U.	188	62,332	2,693	3,775	15,041	1,097	7,021	1,381	1,659	0	25,811	3,854
San Jose State U.	189	60,100	297	14,857	3,655	751	3,437	18,930	2,940	0	3,664	11,569
Florida Atlantic U.	190	58,471	2,479	2,013	27,748	1,026	2,726	1,771	153	0	17,064	3,491
U. Texas Rio Grande Valley	191	58,187	1,581	1,649	28,556	2,194	4,338	1,181	3,534	63	5,354	9,737
CUNY, City C.	192	57,361	778	1,600	9,192	158	8,709	15	16	0	34,710	2,183

TABLE 23

Higher education R&D expenditures, ranked by all R&D expenditures, by R&D field: FY 2021

(Dollars in thousands)

Institution	Rank	All R&D expenditures	Computer and information sciences	Geosciences, atmospheric sciences, and ocean sciences	Life sciences	Mathematics and statistics	Physical sciences	Psychology	Social sciences	Sciences nec	Engineering	All non-S&E fields
Rochester Institute of Technology	193	56,043	8,809	0	1,551	2,178	12,388	110	2,603	0	20,874	7,530
U. Wisconsin-Milwaukee	194	55,664	193	7,385	9,109	707	10,970	3,800	6,531	2,309	8,577	6,083
Missouri U. of Science and Technology	195	54,437	2,545	0	555	252	4,478	134	69	166	43,470	2,768
U. Toledo	196	53,169	0	5,309	25,012	3	10,594	365	47	0	10,299	1,540
Howard U.	197	52,412	1,747	289	30,787	198	5,720	2,214	952	0	9,535	970
Mercer U.	198	51,989	140	0	8,627	219	1,878	270	105	217	40,439	94
U. North Carolina, Charlotte	199	51,877	18,214	1,054	4,701	782	3,367	750	2,947	0	15,643	4,419
East Carolina U.	200	51,662	603	4,564	28,703	7	1,814	974	2,319	0	3,069	9,609
South Dakota State U.	201	51,542	32	801	38,411	433	1,943	600	1,772	0	7,161	389
U. Maryland Center for Environmental Science	202	51,201	40	40,621	8,729	15	519	0	326	0	72	879
U. California, Office of the President	203	50,848	0	0	42,520	0	7,905	0	0	37	0	386
U. North Texas, Health Science Center	204	50,698	0	0	50,692	0	0	0	6	0	0	0
Kent State U.	205	50,408	1,509	1,038	9,034	1,385	9,048	4,536	4,930	828	3,732	14,368
Ohio U.	206	49,764	271	2,183	16,838	53	5,520	1,792	897	0	16,645	5,565
Baylor U.	207	48,809	1,148	2,731	11,299	877	8,289	3,692	1,420	5,390	7,241	6,722
Worcester Polytechnic Institute	208	48,702	10,707	0	2,188	1,880	3,852	0	1,515	0	27,108	1,452
U. South Alabama	209	47,610	3,722	4,466	31,362	163	626	561	515	0	5,085	1,110
Southern Illinois U., Carbondale	210	47,210	566	1,643	37,448	14	2,052	381	996	990	3,120	0
Florida A&M U.	211	47,124	16	5,633	23,507	4	1,346	212	5	0	5,222	11,179
Boise State U.	212	46,065	1,686	3,129	12,908	1,475	5,881	127	2,554	489	14,918	2,898
U. California, Merced	213	45,964	1,134	3,849	9,742	2,139	5,753	424	1,816	1,156	13,854	6,097
Air Force Institute of Technology	214	45,703	1,921	175	0	828	15,999	0	0	0	26,780	0
SUNY, Upstate Medical U.	215	44,870	0	0	44,870	0	0	0	0	0	0	0

TABLE 23

Higher education R&D expenditures, ranked by all R&D expenditures, by R&D field: FY 2021

(Dollars in thousands)

Institution	Rank	All R&D expenditures	Computer and information sciences	Geosciences, atmospheric sciences, and ocean sciences	Life sciences	Mathematics and statistics	Physical sciences	Psychology	Social sciences	Sciences nec	Engineering	All non-S&E fields
Louisiana State U., Health Sciences Center, New Orleans	216	44,370	0	0	44,370	0	0	0	0	0	0	0
U. Puerto Rico, Medical Sciences Campus	217	44,111	0	265	43,846	0	0	0	0	0	0	0
Loyola U., Chicago	218	44,036	216	0	38,592	81	1,026	1,288	1,139	0	0	1,694
Brigham Young U., Provo	219	43,916	929	853	9,660	483	6,357	382	927	0	20,162	4,163
Stevens Institute of Technology	220	43,386	4,984	0	94	56	2,066	0	0	130	33,983	2,073
Southern Methodist U.	221	41,960	205	5,367	2,221	1,736	4,598	1,273	529	97	9,972	15,962
Texas Tech U., Health Sciences Center	222	41,583	0	0	40,567	0	0	0	0	0	0	1,016
Portland State U.	223	41,311	1,644	1,818	13,784	947	1,977	1,257	4,338	663	6,668	8,215
Lehigh U.	224	41,279	2,514	1,087	5,271	140	3,642	398	212	19	25,835	2,161
North Carolina Agricultural and Technical State U.	225	40,751	1,227	0	20,086	797	1,158	236	69	0	11,616	5,562
U. Denver	226	38,751	22	52	5,347	80	3,977	6,659	1,678	0	3,558	17,378
Georgia Southern U.	227	37,201	1,045	890	7,662	1,405	5,400	1,069	3,743	26	4,052	11,909
Marquette U.	228	37,087	1,439	0	12,236	1,110	3,903	1,223	431	0	9,027	7,718
U. North Carolina, Greensboro	229	37,033	806	0	8,934	308	4,250	3,539	1,155	0	0	18,041
U. West Florida	230	36,837	2,510	18	2,192	81	1,356	424	3,779	0	709	25,768
San Francisco State U.	231	35,768	1,579	3,975	13,143	1,326	3,418	1,617	3,892	1,546	2,386	2,886
Catholic U. of America	232	35,548	50	0	1,649	53	19,708	520	651	0	3,926	8,991
SUNY, Downstate Health Sciences U.	233	34,459	0	0	34,459	0	0	0	0	0	0	0
U. Missouri, Kansas City	234	33,855	1,698	190	17,966	3	1,451	646	180	448	9,174	2,099
CUNY, Hunter C.	235	33,816	1,395	1,010	7,852	217	5,489	12,382	2,509	0	0	2,962
Morehouse School of Medicine	236	32,637	0	0	32,637	0	0	0	0	0	0	0
U.S. Air Force Academy	237	32,086	150	34	369	0	2,398	0	3	0	29,132	0

TABLE 23

Higher education R&D expenditures, ranked by all R&D expenditures, by R&D field: FY 2021

(Dollars in thousands)

Institution	Rank	All R&D expenditures	Computer and information sciences	Geosciences, atmospheric sciences, and ocean sciences	Life sciences	Mathematics and statistics	Physical sciences	Psychology	Social sciences	Sciences nec	Engineering	All non-S&E fields
Texas A&M U.-Corpus Christi	238	30,500	313	12,296	5,422	6	1,089	0	464	890	6,590	3,430
Illinois Institute of Technology	239	29,698	2,647	224	9,053	381	3,483	0	13	4	13,737	156
U. Puerto Rico, Rio Piedras	240	28,896	604	3,409	4,283	178	4,886	7	1,185	4,093	1,152	9,099
New Mexico Institute of Mining and Technology	241	28,745	6,732	7,309	290	3	1,151	0	0	0	13,002	258
U. Massachusetts, Dartmouth	242	28,729	1,718	12,196	1,834	1,497	2,650	0	42	0	8,049	743
SUNY, C. of Environmental Science and Forestry	243	28,440	190	995	23,850	0	404	1,531	22	68	1,085	295
U. Texas Health Science Center, Tyler	244	27,928	0	0	27,928	0	0	0	0	0	0	0
U. South Dakota	245	27,537	174	0	15,920	189	3,713	1,150	316	0	1,429	4,646
Louisiana Tech U.	246	27,417	1,952	236	2,242	999	2,342	616	1,136	0	11,257	6,637
Tennessee State U.	247	26,880	454	314	21,260	116	435	259	509	0	3,062	471
Rowan U.	248	26,458	588	397	10,849	225	1,524	739	65	129	11,570	372
Desert Research Institute	249	26,365	0	22,791	3,574	0	0	0	0	0	0	0
Wright State U.	250	26,259	3,531	163	11,213	90	1,465	1,194	0	67	8,129	407
California Polytechnic State U., San Luis Obispo	251	25,953	679	1,106	6,526	2,668	4,953	157	930	0	5,522	3,412
Chapman U.	252	25,820	701	304	9,497	16	1,314	1,161	3,253	0	348	9,226
Western Michigan U. and Homer Stryker M.D. School of Medicine	253	25,314	169	1,660	5,982	21	1,148	302	245	87	8,058	7,642
Northern Illinois U.	254	25,261	944	803	3,011	40	5,454	947	4,024	0	4,134	5,904
Miami U.	255	25,138	564	1,071	9,733	427	3,940	1,510	1,444	0	4,356	2,093
Villanova U.	256	24,723	413	443	3,610	116	3,095	900	433	703	9,484	5,526

TABLE 23

Higher education R&D expenditures, ranked by all R&D expenditures, by R&D field: FY 2021

(Dollars in thousands)

Institution	Rank	All R&D expenditures	Computer and information sciences	Geosciences, atmospheric sciences, and ocean sciences	Life sciences	Mathematics and statistics	Physical sciences	Psychology	Social sciences	Sciences nec	Engineering	All non-S&E fields
Louisiana State U., Health Sciences Center, Shreveport	257	24,600	0	0	24,600	0	0	0	0	0	0	0
Nova Southeastern U.	258	24,513	32	10,973	12,827	0	0	353	0	0	0	328
Teachers C., Columbia U.	259	24,335	2,913	0	5,040	0	0	878	15,472	0	0	32
Illinois State U.	260	24,152	168	591	4,364	215	1,171	50	1,105	0	0	16,488
Rutgers, State U. New Jersey, Newark	261	23,854	2,013	1,873	11,845	0	2,667	1,139	672	43	0	3,602
U. Minnesota, Duluth	262	23,767	242	451	19,119	274	624	20	154	0	2,392	491
California State U., Sacramento	263	23,699	340	752	1,446	116	238	330	6,544	4,320	5,986	3,627
Marshall U.	264	23,620	79	404	18,296	0	295	3	3	0	2,475	2,065
Texas A&M U.-Kingsville	265	23,578	12	0	16,283	0	213	51	0	99	4,622	2,298
Ponce Health Sciences U.	266	23,297	0	0	22,009	0	0	1,288	0	0	0	0
Creighton U.	267	23,251	928	0	17,512	239	1,621	279	1,068	0	0	1,604
Florida Institute of Technology	268	23,195	5,643	3,254	2,175	286	3,547	1,371	0	71	5,891	957
Delaware State U.	269	23,193	334	377	14,196	3	2,304	1,144	528	0	308	3,999
Middle Tennessee State U.	270	22,531	1,000	126	4,048	1,187	2,967	652	3,668	0	592	8,291
Albany Medical C.	271	22,443	0	0	22,443	0	0	0	0	0	0	0
Central Michigan U.	272	21,726	87	557	14,879	141	1,891	486	152	1,785	412	1,336
Tuskegee U.	273	21,355	463	0	8,136	1,146	169	0	5,828	85	5,528	0
U. Alaska, Anchorage	274	21,332	166	5,735	8,381	0	1,160	277	3,020	177	1,674	742
U. Nebraska, central administration	275	21,295	448	0	12,423	0	0	0	0	0	8,060	364
Morgan State U.	276	20,628	660	3,298	5,810	146	774	9	160	0	8,031	1,740
Oakland U.	277	20,261	1,150	0	7,887	55	5,596	377	161	0	4,437	598
California State U., East Bay	278	20,108	264	1,493	1,762	482	2,441	465	3,331	29	1,024	8,817

TABLE 23

Higher education R&D expenditures, ranked by all R&D expenditures, by R&D field: FY 2021

(Dollars in thousands)

Institution	Rank	All R&D expenditures	Computer and information sciences	Geosciences, atmospheric sciences, and ocean sciences	Life sciences	Mathematics and statistics	Physical sciences	Psychology	Social sciences	Sciences nec	Engineering	All non-S&E fields
Embry-Riddle Aeronautical U.	279	19,830	2,136	1,200	0	110	3,853	0	476	0	11,279	776
U.S. Military Academy	280	19,696	2,305	2	2,642	1,259	338	387	4,179	156	7,772	656
Eastern Virginia Medical School	281	19,415	0	0	19,415	0	0	0	0	0	0	0
U. Nebraska, Omaha	282	19,006	2,588	34	7,208	468	76	456	2,324	3,349	1,051	1,452
Kennesaw State U.	283	18,880	3,745	0	3,073	287	1,133	231	2,554	1,280	1,858	4,719
New York Medical C.	284	18,872	0	0	18,872	0	0	0	0	0	0	0
Bowling Green State U.	285	18,619	192	1,875	3,158	160	2,345	979	3,631	20	57	6,202
East Tennessee State U.	286	18,449	4 i	26 i	13,835 i	50 i	240 i	3,057 i	46 i	0 i	138 i	1,053 i
U. Puerto Rico, Mayaguez	287	18,368	0	2,014	1,729	87	1,002	0	93	0	11,397	2,046
Southern Illinois U., Edwardsville	288	18,044	49	2,542	7,333	185	1,374	0	334	0	1,786	4,441
U. Colorado Denver ^c	289	18,039	475	379	4,284	1,122	1,574	1,179	359	0	3,695	4,972
Tarleton State U.	290	17,729	395	3,745	7,521	342	359	368	778	1,014	166	3,041
U. Guam	291	17,666	0	5,047	11,783	87	86	0	205	4	0	454
Prairie View A&M U.	292	17,582	188	0	8,187	81	1,348	292	17	67	4,687	2,715
Montclair State U.	293	17,390	314	1,815	3,231	785	737	3,099	1,378	7	104	5,920
U. Akron	294	17,340	32	467	1,390	161	6,703	226	54	0	7,714	593
U. New Orleans	295	16,979	1,370	1,244	1,114	482	2,652	523	3,079	1,037	1,897	3,581
Clarkson U.	296	16,765	776	172	1,014	868	2,414	113	42	0	10,113	1,253
Fordham U.	297	16,731	287	0	1,207	140	1,067	2,116	662	0	0	11,252
U. North Carolina, Wilmington	298	16,656	244	4,311	7,179	51	435	214	1,183	370	1,064	1,605
California State U., Northridge	299	16,573	380	731	4,020	685	7,447	255	393	93	1,216	1,353
U. Tulsa	300	16,449	2,783	202	725	3	403	472	174	0	10,926	761
Jackson State U.	301	16,157	662	2	3,183	44	8,231	174	73	217	2,236	1,335
CUNY, Queens C.	302	16,063	294	402	10,421	251	1,815	1,082	579	102	0	1,117
Meharry Medical C.	303	15,840	0	0	15,840	0	0	0	0	0	0	0
U. North Florida	304	15,782	418	21	1,647	19	608	249	277	0	2,119	10,424

TABLE 23

Higher education R&D expenditures, ranked by all R&D expenditures, by R&D field: FY 2021

(Dollars in thousands)

Institution	Rank	All R&D expenditures	Computer and information sciences	Geosciences, atmospheric sciences, and ocean sciences	Life sciences	Mathematics and statistics	Physical sciences	Psychology	Social sciences	Sciences nec	Engineering	All non-S&E fields
South Dakota School of Mines and Technology	305	15,746	48	0	0	216	1,824	0	0	0	13,658	0
CUNY, Advanced Science Research Center	306	15,403	74	1,030	5,261	0	6,107	0	0	0	2,928	3
Tennessee Technological U.	307	15,387	2,581	24	2,510	0	879	80	87	0	8,455	771
Texas Christian U.	308	15,336	86	121	570	0	398	206	74	11,584	36	2,261
U. of the Virgin Islands	309	15,231	90	6,508	6,045	439	1,069	0	248	0	832	0
California State U., Long Beach	310	15,134	271	226	3,700	446	2,723	1,431	645	194	4,574	924
Long Island U.	311	15,059	5	261	7,162	372	996	950	906	0	0	4,407
CUNY, Graduate School of Public Health and Health Policy	312	15,035	0	0	14,025	0	0	1,010	0	0	0	0
Montana Technological U.	313	14,933	0	8,222	661	0	216	0	0	0	5,834	0
James Madison U.	314	14,687	845	628	3,372	345	1,825	1,345	150	3	174	6,000
U. Baltimore	315	14,672	46	0	0	0	45	0	2,824	0	0	11,757
U. Missouri, Saint Louis	316	14,632	187	0	6,118	407	2,345	241	1,882	304	0	3,148
New School	317	14,281	19	169	197	56	0	635	5,293	0	3,793	4,119
Alcorn State U.	318	14,188	0	0	6,826	0	0	0	7,181	0	181	0
North Carolina Central U.	319	14,105	157	294	6,109	0	3,257	0	250	0	1,773	2,265
Humboldt State U.	320	14,103	85	1,141	5,303	8	90	4	1,385	69	5,564	454
Loma Linda U.	321	14,029	0	0	13,191	0	0	597	0	0	0	241
Idaho State U.	322	13,953	686	1,627	4,167	2	1,847	266	213	527	4,411	207
Northeast Ohio Medical U.	323	13,853	0	5	13,823	0	0	0	23	2	0	0
Rosalind Franklin U. of Medicine and Science	324	13,805	0	0	13,478	0	0	327	0	0	0	0
Western Washington U.	325	13,450	383	3,379	719	375	2,191	1,497	818	1,096	587	2,405
Sam Houston State U.	326	13,315	26	124	2,688	444	503	631	1,970	0	36	6,893

TABLE 23

Higher education R&D expenditures, ranked by all R&D expenditures, by R&D field: FY 2021

(Dollars in thousands)

Institution	Rank	All R&D expenditures	Computer and information sciences	Geosciences, atmospheric sciences, and ocean sciences	Life sciences	Mathematics and statistics	Physical sciences	Psychology	Social sciences	Sciences nec	Engineering	All non-S&E fields
Charles R. Drew U. of Medicine and Science	327	13,228	0	0	13,228	0	0	0	0	0	0	0
U. Hawaii, system office	328	12,918	1,327	11,591	0	0	0	0	0	0	0	0
Loyola Marymount U.	329	12,819	58	527	819	134	269	1,604	1,724	67	234	7,383
Xavier U. Louisiana	330	12,799	652	0	3,511	0	8,440	0	0	0	57	139
CUNY, John Jay C. of Criminal Justice	331	11,791	16	0	48	12	235	933	569	95	0	9,883
Hampton U.	332	11,669	994	2,881	1,685	344	3,409	0	1,041	0	827	488
California State U., San Bernardino	333	11,607	228	51	1,016	466	1,992	2,299	208	357	1,382	3,608
Texas Tech U., Health Sciences Center, El Paso	334	11,360	0	0	10,555	0	0	0	0	0	0	805
U. Tennessee, Chattanooga	335	11,192	899	0	878	206	22	246	21	3,530	3,578	1,812
Rhode Island C.	336	10,990	24	0	1,157	0	320	115	13	0	0	9,361
Midwestern U.	337	10,961	0	4	10,957	0	0	0	0	0	0	0
U.S. Naval Academy	338	10,818	774	649	0	993	1,604	0	8	0	6,719	71
Salisbury U.	339	10,552	303	988	2,598	123	440	13	488	0	3	5,596
Duquesne U.	340	10,521	0	510	6,085	71	615	160	46	0	102	2,932
California State U., San Marcos	341	10,213	620	13	1,120	0	1,063	1,150	680	2,892	1,682	993
Virginia State U.	342	10,123	0	8	7,191	217	0	95	0	0	1,273	1,339
Missouri State U.	343	10,014	42	177	2,109	0	345	34	263	0	7,024	20
West Texas A&M U.	344	9,920	301	688	6,240	1	200	0	0	184	1,400	906
St. Edward's U.	345	9,527	1,050	478	1,445	645	1,101	20	50	0	0	4,738
California State U., Los Angeles	346	9,382	218	23	740	26	5,165	103	1,131	0	1,486	490
California State U., Fresno	347	9,213	141	379	4,197	490	1,307	116	165	199	1,290	929
Texas Southern U.	348	9,128	136	79	5,033	167	1,168	425	845	0	27	1,248
Alabama A&M U.	349	9,065	307	0	5,357	74	627	171	283	0	1,714	532

TABLE 23

Higher education R&D expenditures, ranked by all R&D expenditures, by R&D field: FY 2021

(Dollars in thousands)

Institution	Rank	All R&D expenditures	Computer and information sciences	Geosciences, atmospheric sciences, and ocean sciences	Life sciences	Mathematics and statistics	Physical sciences	Psychology	Social sciences	Sciences nec	Engineering	All non-S&E fields
California State U., Fullerton	350	9,006	200	229	2,507	212	1,343	272	342	597	661	2,643
Bryn Mawr C.	351	8,987	356	151	709	599	1,119	327	1,542	0	0	4,184
Clark Atlanta U.	352	8,892	160	0	6,614	286	1,616	0	0	0	36	180
Ball State U.	353	8,826	1,079	0	2,674	27	826	183	1,473	0	0	2,564
Kentucky State U.	354	8,756	15	2	8,546	193	0	0	0	0	0	0
Central State U.	355	8,751	0	102	8,134	69	67	0	0	168	211	0
U. Arkansas, Pine Bluff	356	8,713	0	0	6,852	3	1,175	0	0	683	0	0
U. Maryland, Eastern Shore	357	8,636	0	4,182	4,310	0	0	0	0	0	144	0
Arkansas State U., Jonesboro	358	8,422	239	0	6,436	3	665	62	267	323	384	43
U. Washington, Bothell	359	8,311	188	405	668	0	681	0	0	0	304	6,065
Florida Gulf Coast U.	360	8,197	13	2,475	2,209	0	197	10	8	0	145	3,140
Winston-Salem State U.	361	8,123	590	0	3,530	0	956	356	1,458	0	0	1,233
U. of the District of Columbia	362	8,104	242	177	3,054	447	0	0	0	0	3,134	1,050
Wesleyan U.	363	8,009	0	450	1,469	402	2,137	1,002	136	0	0	2,413
Clark U.	364	7,931	36	1,197	2,197	0	1,386	223	2,711	0	0	181
William Paterson U.	365	7,867	178	487	1,051	68	140	485	1,591	0	0	3,867
Oklahoma State U., Center for Health Sciences	366	7,758	99	0	6,928	0	0	624	0	0	101	6
Lincoln U., Jefferson City	367	7,621	6	60	7,345	90	0	0	120	0	0	0
U. San Diego	368	7,580	42	226	111	643	1,377	149	209	37	980	3,806
U. Michigan, Dearborn	369	7,472	61	0	226	190	169	154	62	89	6,223	298
U. Hawaii, Hilo	370	7,411	94	1,195	4,525	998	66	0	179	322	0	32
U. Arkansas, Little Rock	371	7,397	3,312	0	1,997	0	685	0	93	0	809	501
Claremont Graduate U.	372	7,235	55	0	0	111	0	300	2,815	0	0	3,954
Eastern Michigan U.	373	7,233	30	108	2,811	174	211	183	892	6	427	2,391
U. Oklahoma, Tulsa	374	7,185	0	0	2,096	0	0	28	19	0	1,289	3,753

TABLE 23

Higher education R&D expenditures, ranked by all R&D expenditures, by R&D field: FY 2021

(Dollars in thousands)

Institution	Rank	All R&D expenditures	Computer and information sciences	Geosciences, atmospheric sciences, and ocean sciences	Life sciences	Mathematics and statistics	Physical sciences	Psychology	Social sciences	Sciences nec	Engineering	All non-S&E fields
California State Polytechnic U., Pomona	375	7,011	360	151	3,557	20	1,150	19	9	96	1,516	133
Western Kentucky U.	376	6,944	0	1,013	2,315	9	1,205	757	189	0	604	852
California State U., Monterey Bay	377	6,882	1,298	1,953	3,452	12	57	0	47	25	0	38
Grand Valley State U.	378	6,809	31	2,803	1,833	53	247	52	1,178	0	118	494
Western U. of Health Sciences	379	6,688	0	0	5,598	0	0	0	0	0	0	1,090
DePaul U.	380	6,675	1,552	276	573	2	258	2,415	43	174	0	1,382
Edward Via C. of Osteopathic Medicine	381	6,629	0	0	6,629	0	0	0	0	0	0	0
West Virginia State U.	382	6,565	2	0	6,436	0	0	0	0	0	0	127
C. Charleston	383	6,361	322	1,156	1,370	61	983	36	48	1,061	72	1,252
Langston U.	384	6,345	0	0	6,062	0	28	0	0	0	0	255
CUNY, Brooklyn C.	385	6,318	314	504	1,570	68	1,325	1,723	169	18	77	550
California State U., Bakersfield	386	6,253	0	134	197	2,321	447	524	146	0	839	1,645
Wellesley C.	387	6,252	505	86	1,554	263	327	899	722	0	345	1,551
U. New England	388	6,234	0	867	5,340	1	19	2	0	0	0	5
Philadelphia C. of Osteopathic Medicine	389	6,186	0	0	6,131	0	0	55	0	0	0	0
Indiana U. Pennsylvania	390	6,180	165	33	1,890	4	364	490	303	0	0	2,931
Southern U. and A&M C., Agricultural Research and Extension Center	391	6,164	0	0	6,164	0	0	0	0	0	0	0
Gallaudet U.	392	6,126	2,141	2	1,159	1	92	1,715	1,006	0	0	10
U. Central Oklahoma	393	5,997	139	0	382	132	729	0	0	106	1	4,508
Roseman U. of Health Sciences	394	5,985	0	0	5,893	0	0	0	0	0	0	92
Southern Connecticut State U.	395	5,750	154	300	689	187	576	332	400	229	0	2,883
Purdue U., Northwest	396	5,647	863	0	974	0	110	22	1	70	2,220	1,387

TABLE 23

Higher education R&D expenditures, ranked by all R&D expenditures, by R&D field: FY 2021

(Dollars in thousands)

Institution	Rank	All R&D expenditures	Computer and information sciences	Geosciences, atmospheric sciences, and ocean sciences	Life sciences	Mathematics and statistics	Physical sciences	Psychology	Social sciences	Sciences nec	Engineering	All non-S&E fields
Hofstra U.	397	5,545	97	53	1,062	85	141	109	1,032	0	528	2,438
Naval War C.	398	5,542	0	0	0	0	0	0	794	0	0	4,748
Pennsylvania State U., Behrend	399	5,509	112	1,249	593	174	282	254	43	0	2,395	407
U. Southern Maine	400	5,480	1,422	18	830	11	17	0	2,867	17	159	139
Colorado C.	401	5,467	0	114	260	18	154	23	117	0	0	4,781
Yeshiva U.	402	5,452	0	0	3,830	0	253	0	0	0	0	1,369
U. Colorado Colorado Springs	403	5,338	1,965	141	755	0	310	259	36	127	902	843
Seton Hall U.	404	5,320	0	0	607	0	396	0	0	0	0	4,317
Azusa Pacific U.	405	5,318	92	0	1,022	125	207	844	171	0	5	2,852
U. of Health Sciences and Pharmacy in St. Louis	406	5,313	0	0	5,313	0	0	0	0	0	0	0
Des Moines U.	407	5,258	0	206	3,805	0	0	0	593	0	0	654
Hope C.	408	5,211	63	59	1,152	30	2,032	177	639	0	277	782
U. of St. Thomas (MN)	409	5,146	328	222	182	28	168	328	3	0	3,212	675
Rutgers, State U. New Jersey, Camden	410	5,142	2,353	0	13	111	41	26	1,339	0	0	1,259
Reed C.	411	5,132	72	0	1,629	229	866	464	422	0	0	1,450
High Tech High Graduate School of Ed.	412	5,032	0	0	0	0	0	0	0	0	0	5,032
Toyota Technological Institute, Chicago	413	4,967	4,967	0	0	0	0	0	0	0	0	0
Southern U. and A&M C., Baton Rouge	414	4,943	473	0	492	68	583	0	1	0	2,282	1,044
Texas Woman's U.	414	4,943	11	0	3,053	1	7	695	83	0	0	1,093
Williams C.	416	4,902	113	200	703	411	1,237	83	812	1	0	1,342
U. North Carolina, Asheville	417	4,844	284	260	2,045	0	558	2	0	0	0	1,695
Fort Valley State U.	418	4,842	42	82	4,620	22	76	0	0	0	0	0
Lamar U.	419	4,734	72	24	423	83	115	0	0	0	2,437	1,580
Pacific U.	420	4,690	0	0	3,186	46	299	0	236	0	0	923
U.S. Army War C.	421	4,662	0	0	0	0	0	0	4,662	0	0	0

TABLE 23

Higher education R&D expenditures, ranked by all R&D expenditures, by R&D field: FY 2021

(Dollars in thousands)

Institution	Rank	All R&D expenditures	Computer and information sciences	Geosciences, atmospheric sciences, and ocean sciences	Life sciences	Mathematics and statistics	Physical sciences	Psychology	Social sciences	Sciences nec	Engineering	All non-S&E fields
Amherst C.	422	4,636	150	567	1,259	316	1,203	201	530	0	0	410
Barnard C.	423	4,632	260	164	1,008	10	1,319	1,043	320	0	0	508
Abilene Christian U.	424	4,597	0	0	101	0	4,209	21	11	25	45	185
U. Detroit Mercy	425	4,578	0	0	4,096	153	6	53	0	0	114	156
Morehouse C.	426	4,533	540	0	90	949	1,831	59	0	633	0	431
Claremont McKenna C.	427	4,515	0	17	274	103	136	113	3,532	29	0	311
Appalachian State U.	428	4,509	356	357	1,745	29	591	307	265	0	0	859
Bucknell U.	429	4,476	114	10	674	110	816	129	126	663	1,494	340
New York Institute of Technology	430	4,465	303	0	3,277	0	3	0	31	0	775	76
West Chester U. Pennsylvania	431	4,433	21	55	815	103	466	253	524	140	0	2,056
U. Wisconsin-Stevens Point	432	4,401	0	368	3,716	0	61	0	7	0	241	8
Fisk U.	433	4,320	415	0	1,601	415	1,645	60	7	0	0	177
Norfolk State U.	434	4,316	1,957	0	88	29	763	0	58	0	1,413	8
Oregon Institute of Technology	435	4,314	134	328	2,894	84	0	113	0	0	761	0
U. Washington, Tacoma	436	4,291	224	2,838	281	25	0	0	175	0	319	429
CUNY, Graduate Center	437	4,265	22	0	110	332	547	682	1,325	328	6	913
California State U., Chico	438	4,209	0	426	1,522	41	172	0	237	0	1,236	575
CUNY, Lehman C.	439	4,181	81	20	249	343	2,062	0	213	0	0	1,213
Grinnell C.	440	4,122	201	0	423	108	691	20	686	0	0	1,993
Smith C.	441	4,085	352	228	1,462	120	495	195	93	0	688	452
U. New Haven	442	4,069	1,359	93	190	0	323	232	1,499	0	319	54
U. North Carolina, general administration	443	4,024	1,192	0	534	0	0	11	0	0	2,068	219
U. of the Sciences Philadelphia	444	4,005	0	0	3,319	0	686	0	0	0	0	0
U. Central Arkansas	445	3,990	470	22	755	35	568	87	2	0	0	2,051
Fayetteville State U.	446	3,933	584	0	960	0	147	0	293	0	288	1,661
South Carolina State U.	446	3,933	108	0	1,416	0	1,000	0	0	0	712	697

TABLE 23

Higher education R&D expenditures, ranked by all R&D expenditures, by R&D field: FY 2021

(Dollars in thousands)

Institution	Rank	All R&D expenditures	Computer and information sciences	Geosciences, atmospheric sciences, and ocean sciences	Life sciences	Mathematics and statistics	Physical sciences	Psychology	Social sciences	Sciences nec	Engineering	All non-S&E fields
Murray State U.	448	3,844	0	139	3,108	309	201	0	0	0	0	87
Haverford C.	449	3,835	39	145	647	28	2,342	77	146	0	0	411
U. Central del Caribe	450	3,831	0	0	3,831	0	0	0	0	0	0	0
Texas A&M U.-Commerce	451	3,827	61	0	587	34	995	191	99	0	64	1,796
Carleton C.	452	3,800	68	900	501	173	531	234	577	0	0	816
Towson U.	453	3,794	530	481	914	191	723	213	238	0	0	504
National Defense U.	454	3,786	0	0	400	0	0	0	2,186	0	0	1,200
Memorial Sloan Kettering Cancer Center, Louis V. Gerstner Jr. Graduate S. of Biomedical Sciences	455	3,776	0	0	3,776	0	0	0	0	0	0	0
Texas A&M International U.	456	3,740	0	39	216	91	154	53	914	628	241	1,404
Franklin and Marshall C.	457	3,722	70	119	840	50	660	80	376	4	0	1,523
Albany C. of Pharmacy and Health Sciences	458	3,687	0	0	3,687	0	0	0	0	0	0	0
Pace U.	459	3,649	758	0	644	0	226	7	5	0	706	1,303
Occidental C.	460	3,587	280	1,201	503	97	762	393	287	0	0	64
U. Massachusetts, central office	461	3,541	0	0	392	0	0	0	1,611	852	0	686
Kean U.	462	3,538	229	61	56	0	18	16	0	13	0	3,145
Western Illinois U.	463	3,532	0	0	2,346	1	68	0	199	0	780	138
U. Texas of the Permian Basin	464	3,504	0	0	983	0	30	23	380	60	792	1,236
Touro U.	465	3,489	0	0	3,475	0	0	0	0	0	0	14
SUNY, C. of Optometry	466	3,460	0	0	3,460	0	0	0	0	0	0	0
Dakota State U.	467	3,416	3,080	37	80	0	58	0	0	0	0	161
Northern Kentucky U.	468	3,403	34	0	1,939	65	671	459	98	0	0	137
U. Virginia's C. Wise	469	3,310	1,174	0	125	0	20	0	27	0	0	1,964
Colgate U.	470	3,306	214	677	507	153	884	63	309	0	0	499

TABLE 23

Higher education R&D expenditures, ranked by all R&D expenditures, by R&D field: FY 2021

(Dollars in thousands)

Institution	Rank	All R&D expenditures	Computer and information sciences	Geosciences, atmospheric sciences, and ocean sciences	Life sciences	Mathematics and statistics	Physical sciences	Psychology	Social sciences	Sciences nec	Engineering	All non-S&E fields
Swarthmore C.	471	3,296	16	0	824	136	891	110	194	51	174	900
U. Northern Iowa	472	3,259	18	151	387	1	966	0	1,657	0	0	79
Stephen F. Austin State U.	473	3,204	14	121	2,042	109	29	2	203	0	0	684
U. Nebraska, Kearney	474	3,201	43	0	2,021	0	657	127	19	0	0	334
Milwaukee School of Engineering	475	3,193	47	0	0	0	17	0	0	0	3,129	0
U. Northern Colorado	476	3,159	0	147	1,263	135	149	81	534	0	0	850
Santa Clara U.	477	3,142	0	0	545	39	516	0	102	0	1,588	352
MGH Institute of Health Professions	478	3,037	0	0	2,500	0	0	0	0	0	0	537
U. Wisconsin-La Crosse	479	3,001	42	18	681	84	476	7	1,487	52	0	154
Colorado State U., Pueblo	480	2,990	190	0	1,845	19	8	27	6	0	64	831
Sonoma State U.	481	2,957	12	1,617	585	235	289	58	51	30	1	79
St. John's U., New York	482	2,940	75	0	2,197	0	345	79	0	0	0	244
Pennsylvania State U., Harrisburg	483	2,938	2	22	1,536	4	0	444	258	0	386	286
Middlebury C.	484	2,927	241	425	1,017	62	648	181	353	0	0	0
Saint Joseph's U.	485	2,922	192	0	547	8	137	349	165	0	0	1,524
Trinity U.	486	2,905	64	96	461	41	1,165	313	411	0	47	307
CUNY, C. Staten Island	487	2,860	54	0	1,109	391	525	352	21	0	274	134
Western Carolina U.	488	2,847	0	314	1,484	3	45	0	290	0	305	406
Northwest Indian C.	489	2,806	1	1,084	108	0	0	0	1,096	0	0	517
California State U., Maritime Academy	490	2,799	0	0	0	0	0	0	0	0	2,603	196
Youngstown State U.	491	2,775	28	0	42	3	335	55	33	0	1,794	485
Austin Peay State U.	492	2,740	1	611	1,404	1	50	0	0	16	0	657
Pittsburg State U.	493	2,730	0	0	293	0	24	0	163	0	2,250	0
California State U., Dominguez Hills	494	2,690	620	8	140	125	418	360	314	0	0	705
Alfred U.	495	2,660	0	1	0	0	5	0	0	0	2,654	0
Christopher Newport U.	496	2,656	0	0	536	180	731	54	216	0	656	283

TABLE 23

Higher education R&D expenditures, ranked by all R&D expenditures, by R&D field: FY 2021

(Dollars in thousands)

Institution	Rank	All R&D expenditures	Computer and information sciences	Geosciences, atmospheric sciences, and ocean sciences	Life sciences	Mathematics and statistics	Physical sciences	Psychology	Social sciences	Sciences nec	Engineering	All non-S&E fields
Pepperdine U.	497	2,655	0	0	564	26	111	248	503	112	0	1,091
Alabama State U.	498	2,631	0	0	2,265	0	0	0	0	0	366	0
Bates C.	499	2,620	19	37	1,783	2	413	101	173	49	0	43
U. Illinois, Springfield	500	2,612	0	0	6	0	20	0	2,260	0	0	326
U. Wisconsin-Superior	501	2,602	0	11	2,338	0	0	0	42	0	207	4
Winthrop U.	502	2,586	36	0	253	6	382	44	642	78	0	1,145
Pratt Institute	503	2,547	0	0	0	0	0	0	0	0	0	2,547
Dillard U.	504	2,528	0	87	1,356	0	252	0	38	0	0	795
CUNY, Baruch C.	505	2,521	45	44	785	211	256	279	677	0	0	224
Purdue U., Fort Wayne	506	2,495	0	0	255	8	92	233	108	156	465	1,178
Davidson C.	507	2,466	0	0	595	79	451	691	456	7	0	187
Johnson C. Smith U.	508	2,461	i 12	i 0	i 437	i 0	i 318	i 0	i 0	i 0	i 386	i 1,308
Furman U.	509	2,431	53	78	348	0	1,114	178	5	0	0	655
Saginaw Valley State U.	510	2,428	i 7	i 36	i 1,282	i 617	i 36	i 11	i 105	i 12	i 280	i 42
Bowdoin C.	511	2,417	81	328	1,262	10	288	125	18	0	0	305
Central Washington U.	512	2,410	202	1,204	380	169	285	0	88	0	72	10
Framingham State U.	513	2,401	i 0	i 0	i 2,132	i 0	i 258	i 11	i 0	i 0	i 0	i 0
St. Cloud State U.	514	2,379	233	128	379	0	13	0	393	2	31	1,200
Harvey Mudd C.	515	2,359	645	0	364	111	531	0	0	162	515	31
California State U., Channel Islands	516	2,341	22	0	1,001	348	301	4	22	485	79	79
Skidmore C.	517	2,335	14	320	1,042	0	689	146	58	0	0	66
Marymount U.	518	2,307	655	0	624	0	88	89	356	0	0	495
U. Richmond	519	2,294	0	218	766	114	454	354	211	0	0	177
Spelman C.	520	2,282	13	0	633	96	523	568	53	0	0	396
Lewis and Clark C.	521	2,281	0	280	288	79	249	29	11	0	0	1,345
U. Texas, Tyler	522	2,279	21	0	1,260	9	46	214	27	0	537	165
Keck Graduate Institute	523	2,254	i 0	i 0	i 1,765	i 0	i 0	i 0	i 0	i 0	i 356	i 133
Coastal Carolina U.	524	2,245	91	1,415	386	0	88	7	0	7	68	183
Palmer C. of Chiropractic, Davenport	525	2,233	0	0	2,233	0	0	0	0	0	0	0
U. Louisiana, Monroe	526	2,198	0	64	1,885	0	17	0	169	0	0	63

TABLE 23

Higher education R&D expenditures, ranked by all R&D expenditures, by R&D field: FY 2021

(Dollars in thousands)

Institution	Rank	All R&D expenditures	Computer and information sciences	Geosciences, atmospheric sciences, and ocean sciences	Life sciences	Mathematics and statistics	Physical sciences	Psychology	Social sciences	Sciences nec	Engineering	All non-S&E fields
Minnesota State U., Mankato	527	2,170	0	13	448	0	29	298	0	250	996	136
Pomona C.	528	2,146	272	193	288	162	347	286	330	0	0	268
Sul Ross State U.	529	2,143	0	22	1,654	1	0	0	466	0	0	0
Grambling State U.	530	2,124	0	0	0	0	1,238	0	0	0	0	886
Tougaloo C.	531	2,092	0	0	1,733	0	359	0	0	0	0	0
California State U., Stanislaus	532	2,085	186	13	1,232	253	84	218	70	0	0	29
SUNY, Geneseo	533	2,070	0	212	108	3	1,197	219	108	0	0	223
Citadel Military C. South Carolina	534	2,054	1,033	0	108	8	76	16	6	0	250	557
Suffolk U.	535	2,043	0	28	33	0	70	438	0	0	66	1,408
U. South Carolina, Aiken	536	2,042	0	0	657	3	9	3	0	0	1,322	48
Elon U.	537	2,032	41	0	288	87	59	132	264	21	29	1,111
Mount Holyoke C.	538	2,026	152	0	456	62	550	519	106	0	0	181
U. of the Incarnate Word	539	1,982	0	0	1,369	42	298	0	0	0	186	87
New England C. of Optometry	540	1,978	0	0	1,978	0	0	0	0	0	0	0
SUNY, Buffalo State	541	1,962	0	869	780	112	0	0	174	0	0	27
Hobart and William Smith Colleges	542	1,941	4	23	1,664	6	152	7	30	0	0	55
Mercyhurst U.	543	1,937	76	42	1,428	20	134	22	86	0	0	129
Fort Lewis C.	544	1,926	0	46	416	4	835	0	0	0	605	20
Eastern Washington U.	545	1,921	0	61	436	1	63	39	1,318	0	0	3
Northeastern Illinois U.	546	1,913	46	68	1,111	71	34	0	40	0	0	543
C. New Jersey	547	1,912	178	0	856	10	423	10	1	67	283	84
U. Puerto Rico, Cayey	548	1,881	0	0	563	0	127	0	171	1,020	0	0
U. Wisconsin-Green Bay	549	1,879	56	82	1,065	15	112	31	64	0	327	127
Manhattan C.	550	1,864	0	0	49	239	112	0	0	0	1,122	342
Roger Williams U.	551	1,854	0	777	543	0	2	116	0	0	32	384

TABLE 23

Higher education R&D expenditures, ranked by all R&D expenditures, by R&D field: FY 2021

(Dollars in thousands)

Institution	Rank	All R&D expenditures	Computer and information sciences	Geosciences, atmospheric sciences, and ocean sciences	Life sciences	Mathematics and statistics	Physical sciences	Psychology	Social sciences	Sciences nec	Engineering	All non-S&E fields
U. Wisconsin-Eau Claire	552	1,852	0	69	232	102	1,041	245	88	0	0	75
Hawaii Pacific U.	553	1,849	72	289	1,211	0	0	0	232	0	13	32
U. Houston-Downtown	554	1,828	194	52	25	19	382	0	128	5	189	834
Willamette U.	555	1,817	0	53	474	10	179	39	4	51	0	1,007
Savannah State U.	556	1,804	0	815	268	0	34	0	0	99	588	0
Trinity C., Hartford	557	1,775	9	0	1,077	64	113	295	117	0	45	55
Lawrence Technological U.	558	1,764	54	0	0	9	55	0	0	0	555	1,091
Morehead State U.	559	1,754	0	7	802	0	5	0	165	0	756	19
Hamilton C.	560	1,747	4	1	122	10	193	69	322	60	0	966
Heidelberg U.	561	1,725	0	1,725	0	0	0	0	0	0	0	0
Erikson Institute	562	1,723	0	0	0	0	0	0	0	0	0	1,723
Southeastern Louisiana U.	562	1,723	2	0	795	0	247	0	11	0	16	652
Elizabeth City State U.	564	1,717	518	0	752	0	0	49	0	0	0	398
U. Houston-Clear Lake	565	1,716	34	0	942	0	236	136	51	0	0	317
Colby C.	566	1,672	94	187	382	3	245	72	150	0	0	539
Monmouth U.	567	1,667	0	1,492	74	0	44	12	45	0	0	0
CUNY, system office	568	1,664	158	0	37	0	0	49	0	283	1,137	0
Northwestern State U. Louisiana	569	1,663	224	0	89	12	0	0	919	0	0	419
U. Wisconsin-Oshkosh	570	1,656	0	126	740	0	292	41	75	0	158	224
Eastern Connecticut State U.	571	1,646	248	143	210	87	5	28	3	127	0	795
Franklin W. Olin C. of Engineering	572	1,627	0	0	0	0	0	0	0	0	936	691
Vassar C.	573	1,606	227	17	307	307	178	269	193	0	0	108
U. Ana G. Mendez, Gurabo	574	1,574	0	0	293	14	142	39	0	0	1,034	52
Seattle U.	575	1,562	0	54	33	93	86	5	176	0	62	1,053
Troy U.	576	1,548	0	31	250	0	1,102	1	10	0	0	154
La Sierra U.	577	1,517	0	0	5	0	1	0	0	0	0	1,511
Calvin U.	578	1,490	218	31	514	33	458	0	88	0	97	51

TABLE 23

Higher education R&D expenditures, ranked by all R&D expenditures, by R&D field: FY 2021

(Dollars in thousands)

Institution	Rank	All R&D expenditures	Computer and information sciences	Geosciences, atmospheric sciences, and ocean sciences	Life sciences	Mathematics and statistics	Physical sciences	Psychology	Social sciences	Sciences nec	Engineering	All non-S&E fields
Drake U.	579	1,488	1	0	503	28	221	0	31	0	0	704
U. North Georgia	580	1,415	335	132	122	0	2	0	5	0	0	819
Bowie State U.	581	1,398	446	0	96	0	438	0	0	0	0	418
Union C., Schenectady	582	1,396	59	252	74	6	185	24	31	0	722	43
U. San Francisco	583	1,375	16	204	398	16	144	28	148	50	3	368
U. of the Pacific	584	1,371	0	43	870	0	223	6	0	0	228	1
CUNY, New York City C. of Technology	585	1,367	172	0	362	50	331	0	11	0	103	338
Northern Michigan U.	586	1,364	37	101	855	0	10	69	55	0	0	237
Marshall B. Ketchum U.	587	1,351	0	0	1,351	0	0	0	0	0	0	0
U. Puerto Rico, Humacao	588	1,321	0	17	111	0	1,083	110	0	0	0	0
Kettering U.	589	1,315	5	0	8	2	77	0	0	0	295	928
Central Connecticut State U.	590	1,314	33	79	142	25	73	14	541	0	100	307
Babson C.	591	1,286	0	0	0	0	0	0	0	0	0	1,286
Black Hills State U.	592	1,280	295	0	806	0	103	0	0	0	0	76
Macalester C.	592	1,280	70	221	108	100	451	23	160	0	0	147
SUNY, C. Plattsburgh	592	1,280	0	813	279	0	137	0	0	0	0	51
Florida Polytechnic U.	595	1,269	193	0	0	0	71	0	73	0	829	103
West Virginia School of Osteopathic Medicine	596	1,255	0	0	1,245	0	0	0	0	0	0	10
U. Hartford	597	1,252	1	0	77	100	0	51	55	0	963	5
Stockton U.	598	1,246	0	885	247	0	0	0	114	0	0	0
Connecticut C.	599	1,244	168	0	232	0	271	166	407	0	0	0
Biola U.	600	1,243	48	0	811	13	85	13	40	8	167	58
Doane U.	601	1,176	198	0	630	0	119	0	0	0	1	228
U. Alaska, Southeast	601	1,176	0	228	788	0	67	0	9	80	4	0
U. Wisconsin-Platteville	603	1,144	37	0	514	19	82	20	93	14	171	194
CUNY, York C.	604	1,133	0	543	142	12	192	159	0	0	12	73
New Mexico Highlands U.	605	1,129	141	198	222	0	568	0	0	0	0	0
Albion C.	606	1,127	1	82	94	30	435	44	171	11	0	259

TABLE 23

Higher education R&D expenditures, ranked by all R&D expenditures, by R&D field: FY 2021

(Dollars in thousands)

Institution	Rank	All R&D expenditures	Computer and information sciences	Geosciences, atmospheric sciences, and ocean sciences	Life sciences	Mathematics and statistics	Physical sciences	Psychology	Social sciences	Sciences nec	Engineering	All non-S&E fields
Saint John's U.	607	1,125 i	20 i	0 i	470 i	13 i	108 i	37 i	125 i	0 i	0 i	352 i
U. of Mary Washington	608	1,123	82	54	155	5	100	0	40	0	0	687
SUNY, C. Brockport	609	1,114	0	319	680	1	103	0	6	0	2	3
Northland C.	610	1,096 i	0 i	78 i	628 i	40 i	0 i	63 i	72 i	0 i	0 i	215 i
C. Wooster	611	1,071 i	109 i	59 i	257 i	106 i	240 i	37 i	16 i	0 i	0 i	247 i
C. of Saint Benedict	612	1,064 i	19 i	0 i	450 i	14 i	108 i	37 i	114 i	0 i	0 i	322 i
Indiana State U.	613	1,042	0	74	465	37	89	0	0	10	2	365
Alaska Pacific U.	614	1,036	0	1,005	29	0	0	0	0	0	0	2
Canisius C.	614	1,036	0	0	0	0	173	0	0	863	0	0
Ithaca C.	616	1,030	73	114	230	74	379	2	94	0	0	64
Clafin U.	617	1,015	173	26	515	0	129	0	107	0	65	0
Lafayette C.	617	1,015	76	5	94	24	286	88	85	0	201	156
Augustana U.	619	1,013	0	0	546	0	457	0	0	0	0	10
SUNY, Oswego	620	1,003	56	71	135	3	328	2	71	257	43	37
U. Wisconsin-River Falls	621	999	86	0	645	0	84	4	0	0	18	162
Eastern Kentucky U.	622	986	0	10	509	0	131	43	64	82	58	89
Sacred Heart U.	623	972	12	40	26	0	64	0	0	32	0	798
Rhode Island School of Design	624	971 i	0 i	0 i	0 i	0 i	0 i	0 i	247 i	0 i	0 i	724 i
U. Hawaii, Maui C.	625	967	450	144	253	0	0	0	10	0	0	110
Liberty U.	626	937	0	0	497	0	0	0	17	0	208	215
Keene State C.	627	919	47	0	510	0	248	0	0	0	114	0
Indiana U., South Bend	628	898	3	1	62	0	281	187	10	170	0	184
Arcadia U.	629	889	84	0	201	0	0	0	0	0	0	604
Albany State U.	630	880	0	299	272	0	102	0	11	0	14	182
U. Minnesota, Morris	631	855	168	180	31	0	108	0	33	0	0	335
Mills C.	632	850	0	0	129	38	0	0	0	0	0	683
National U. of Natural Medicine	632	850	0	0	850	0	0	0	0	0	0	0
Fairfield U.	634	849	12	0	36	78	134	9	79	0	109	392
Fielding Graduate U.	635	843	0	0	0	0	0	0	843	0	0	0
St. Olaf C.	636	816	114	71	321	4	82	51	84	0	0	89

TABLE 23

Higher education R&D expenditures, ranked by all R&D expenditures, by R&D field: FY 2021

(Dollars in thousands)

Institution	Rank	All R&D expenditures	Computer and information sciences	Geosciences, atmospheric sciences, and ocean sciences	Life sciences	Mathematics and statistics	Physical sciences	Psychology	Social sciences	Sciences nec	Engineering	All non-S&E fields
American Samoa Community C.	637	815	0	0	0	0	0	0	815	0	0	0
Andrews U.	638	802	0	32	7	0	174	0	509	0	50	30
Fort Hays State U.	639	800	0	117	334	0	267	0	11	0	0	71
Oberlin C.	640	776	62	27	239	39	298	11	26	0	0	74
Providence C.	641	766	0	144	442	0	99	35	18	0	17	11
U. Michigan, Flint	642	752	16	0	172	0	12	5	14	30	225	278
Wheaton C., Wheaton	643	729	6	81	57	15	148	89	282	0	0	51
Dordt U.	644	696	69	0	464	94	11	0	1	0	45	12
Niagara U.	645	509	0	0	49	5	42	0	195	0	0	218
Albizu U.	646	428	0	0	0	0	0	428	0	0	0	0
Lipscomb U.	647	321	0	0	0	0	0	0	0	99	203	19
Jacksonville State U.	648	275	0	0	61	0	0	0	0	0	6	208

i = imputed.

nec = not elsewhere classified; S&E = science and engineering.

^a Johns Hopkins University includes the Applied Physics Laboratory, with \$1,949,752 thousand in total R&D expenditures in FY 2021.^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 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.**Note(s):**

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. This table includes only institutions reporting \$1 million or more in total R&D expenditures in 2020. Institutions reporting less than \$1 million in total R&D expenditures in 2020 completed a shorter version of the survey form in FY 2021, and that form did not collect R&D expenditures by source and detailed field. For R&D expenditures by major field at institutions completing the shorter version of the survey, see table 84.

Source(s):

National Center for Science and Engineering Statistics, Higher Education Research and Development Survey, FY 2021.