

TABLE 23

Higher education R&D expenditures, ranked by all R&D expenditures, by R&D field: FY 2022

(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	-	97,680,528	3,225,002	3,690,235	56,498,207	879,526	6,167,583	1,443,894	3,165,440	1,156,452	15,596,634	5,857,608
Johns Hopkins U. ^a	1	3,420,312	270,237	96,789	1,179,546	141,477	317,282	7,744	9,118	63,353	1,324,646	10,120
U. California, San Francisco	2	1,805,950	0	0	1,734,339	0	71,611	0	0	0	0	0
U. Pennsylvania	3	1,791,311	29,513	1,856	1,364,745	8,921	67,341	16,035	53,759	3,520	106,282	139,339
U. Michigan, Ann Arbor	4	1,770,708	16,789	15,865	1,018,062	20,129	65,018	20,806	189,167	4,036	299,254	121,582
U. Washington, Seattle	5	1,559,708	25,836	152,187	1,045,014	7,095	62,596	10,431	16,490	15	172,004	68,040
U. California, Los Angeles	6	1,536,197	14,755	45,869	1,110,788	9,537	55,159	17,022	68,872	50,149	98,403	65,643
U. California, San Diego	7	1,533,357	28,879	187,175	915,619	6,383	97,804	19,075	31,031	8,417	212,583	26,391
U. Wisconsin-Madison	8	1,523,513	30,295	68,178	952,068	7,005	97,161	10,208	65,924	48,230	148,673	95,771
Duke U.	9	1,390,538	8,320	8,178	1,174,640	9,125	23,281	7,467	40,627	284	102,748	15,868
Stanford U.	10	1,384,555	25,448	30,947	999,214	6,408	101,529	15,648	18,390	161	142,213	44,597
Ohio State U.	11	1,363,388	27,225	9,228	897,954	5,660	47,143	10,892	28,605	43,348	219,388	73,945
U. North Carolina, Chapel Hill	12	1,361,028	39,486	23,339	1,020,666	5,464	49,368	49,297	77,515	234	39,242	56,417
Harvard U.	13	1,308,458	21,712	38,984	741,297	22,230	118,530	6,355	144,801	6,472	96,920	111,157
Cornell U.	14	1,300,357	29,874	6,463	929,175	3,287	120,697	11,971	23,814	0	125,320	49,756
New York U.	15	1,276,038	14,731	800	909,144	20,916	26,391	30,932	38,528	321	119,160	115,115
U. Pittsburgh, Pittsburgh	16	1,251,998	11,763	11,232	1,082,521	4,042	30,591	16,203	4,587	14,631	65,936	10,492
Georgia Institute of Technology	17	1,231,485	161,111	14,771	37,289	8,634	33,858	4,126	12,596	0	935,632	23,468
Columbia U. in the City of New York	18	1,230,924	31,786	79,949	893,199	4,427	52,767	5,168	13,157	0	87,884	62,587
U. Maryland ^b	19	1,228,550	63,281	78,455	655,867	4,538	110,607	9,885	56,249	22,223	164,304	63,141
U. Minnesota, Twin Cities	20	1,202,084	28,809	13,095	864,018	7,615	42,715	29,392	40,045	2,966	131,042	42,387
Yale U.	21	1,191,201	8,675	6,411	1,044,120	3,632	57,627	11,550	13,840	64	36,714	8,568
U. Texas M. D. Anderson Cancer Center	22	1,182,536	0	0	1,104,846	20,403	19,651	19,296	18,340	0	0	0
Texas A&M U., College Station and Health Science Center	23	1,152,666	25,705	122,622	435,563	6,898	56,540	7,635	29,994	8,415	402,999	56,295
Vanderbilt U. and Vanderbilt U. Medical Center	24	1,086,223	14,617	1,737	846,605	1,421	28,937	15,372	21,601	0	78,534	77,399
U. Florida	25	1,085,834	15,896	18,734	797,710	2,303	39,928	14,968	16,987	20	134,339	44,949
Washington U., Saint Louis	26	1,047,098	4,634	6,678	938,655	1,584	25,954	7,209	1,631	1,737	28,151	30,865
U. Southern California	27	1,039,905	112,104	22,308	680,873	1,392	17,696	5,103	75,558	0	63,694	61,177
Pennsylvania State U., University Park and Hershey Medical Center	28	1,019,940	79,162	35,715	319,598	17,140	73,580	30,225	41,275	0	385,594	37,651
Northwestern U.	29	1,000,695	10,117	1,443	721,230	2,215	90,194	4,231	24,515	26,507	88,008	32,235
Massachusetts Institute of Technology	30	989,166	124,985	29,992	128,090	9,676	174,813	803	54,104	19,882	397,946	48,875
U. California, Berkeley	31	981,035	12,736	8,644	275,739	9,474	196,281	16,945	73,560	106,357	206,541	74,758

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Emory U.	32	958,281	4,730	2,792	874,729	1,385	28,576	4,796	4,780	0	16,415	20,078
Icahn School of Medicine at Mount Sinai	33	893,968	0	0	893,968	0	0	0	0	0	0	0
U. California, Davis	34	883,807	5,764	32,940	626,320	4,392	35,319	3,509	38,078	10,220	114,118	13,147
U. Texas, Austin	35	845,896	100,730	55,612	156,202	18,319	93,232	11,067	22,612	2,548	319,719	65,855
Baylor C. of Medicine	36	827,005	0	0	827,005	0	0	0	0	0	0	0
U. Arizona	37	824,340	18,270	33,859	471,046	4,105	142,519	6,573	22,491	10,723	84,682	30,072
Arizona State U.	38	797,224	21,414	67,062	141,306	3,418	27,777	15,720	80,307	119,141	192,681	128,398
U. Illinois, Urbana-Champaign	39	765,909	104,436	6,575	270,361	3,729	77,419	13,192	6,718	15,852	228,786	38,841
Michigan State U.	40	759,229	15,978	6,532	347,119	11,990	183,514	13,643	43,672	16,268	81,143	39,370
Purdue U., West Lafayette	41	754,627	38,868	8,127	254,784	2,727	49,938	8,597	14,770	1,154	312,394	63,268
Indiana U., Bloomington	42	751,309	40,488	9,084	550,148	2,329	31,360	13,583	40,995	12,406	12,030	38,886
Boston U.	43	725,402	17,480	9,399	485,379	4,935	38,445	24,237	12,084	7,203	91,643	34,597
U. Texas Southwestern Medical Center	44	719,002	0	0	719,002	0	0	0	0	0	0	0
U. Alabama, Birmingham	45	713,480	898	66	653,373	263	6,282	9,755	494	0	30,637	11,712
Rutgers, State U. New Jersey, New Brunswick	46	712,231	9,306	27,807	521,311	10,013	32,108	10,418	11,158	2,491	57,490	30,129
U. Utah	47	670,119	29,132	47,824	379,462	6,083	18,579	6,805	16,524	1,015	47,060	117,635
U. Virginia, Charlottesville	48	662,658	27,291	6,392	432,700	2,552	27,721	6,549	17,920	5,596	65,604	70,333
U. Cincinnati	49	615,070	3,655	993	508,639	1,549	10,335	8,721	9,610	863	46,955	23,750
U. Colorado Boulder	50	611,380	19,612	129,830	56,184	3,616	143,342	13,945	15,231	1,523	191,531	36,566
U. Colorado Anschutz Medical Campus ^c	51	611,358	0	71	606,860	0	566	313	449	0	957	2,142
U. Iowa	52	594,215	4,187	3,663	431,761	690	55,128	10,399	3,682	1,910	49,233	33,562
Virginia Polytechnic Institute and State U.	53	591,861	28,642	4,652	223,775	12,917	23,394	5,111	14,507	72	260,158	18,633
U. Chicago	54	591,805	31,302	10,117	384,527	5,395	70,483	7,883	26,781	0	41,866	13,451
North Carolina State U.	55	583,203	20,889	30,854	262,669	17,531	27,486	1,739	9,396	26,024	171,162	15,453
U. Georgia	56	545,631	5,509	19,938	334,447	5,701	10,161	30,933	33,930	11,976	22,379	70,657
U. California, Irvine	57	534,947	24,680	11,555	318,016	7,424	40,171	11,147	13,324	987	75,898	31,745
Scripps Research Institute	58	492,639	0	0	492,639	0	0	0	0	0	0	0
Oregon Health and Science U.	59	479,226	0	0	463,631	0	0	2,090	0	0	13,373	132
California Institute of Technology	60	478,142	11,363	57,033	98,580	1,063	227,465	0	0	0	51,975	30,663
U. Kentucky	61	476,517	5,913	2,948	352,400	1,582	9,118	5,066	5,072	19,971	61,287	13,160
Case Western Reserve U.	62	467,389	3,165	634	406,880	520	10,694	1,539	790	228	41,783	1,156
Princeton U.	63	461,185	28,066	29,942	112,932	15,763	101,461	4,568	72,862	0	78,831	16,760
Colorado State U., Fort Collins	64	456,911	4,052	53,708	289,050	3,006	14,885	3,476	15,024	14,505	47,833	11,372

TABLE 23

Higher education R&D expenditures, ranked by all R&D expenditures, by R&D field: FY 2022

(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. Rochester	65	450,805	3,099	2,724	291,673	175	112,275	6,367	634	9,138	22,179	2,541
Carnegie Mellon U.	66	449,707	211,839	736	15,109	14,435	23,841	10,640	12,720	5,264	138,117	17,006
U. Illinois, Chicago	67	440,573	12,880	948	325,514	4,213	21,497	3,620	8,851	5,584	39,656	17,810
SUNY, U. Buffalo	68	439,709	20,493	4,848	257,060	1,926	11,990	4,111	6,573	187	109,870	22,651
U. Miami	69	439,300	1,620	59,693	342,103	1,257	5,939	16,155	1,907	128	5,961	4,537
U. Missouri, Columbia	70	432,310	6,157	1,575	283,404	1,666	9,469	6,487	8,731	1,838	78,494	34,489
SUNY, Polytechnic Institute	71	413,763	0	0	1,673	0	0	0	0	0	411,929	161
U. Oklahoma, Norman and Health Science Center	72	408,656	6,637	89,076	176,123	2,495	18,730	3,077	13,702	0	44,727	54,089
Virginia Commonwealth U.	73	405,898	7,073	269	269,742	931	3,282	10,807	4,628	0	30,592	78,574
U. Kansas	74	405,267	4,418	13,717	237,780	682	16,123	11,416	2,768	9,786	22,075	86,502
U. South Florida ^d	75	405,166	9,503	22,129	203,592	3,192	10,866	7,280	30,394	1,398	50,859	65,953
Iowa State U.	76	393,184	5,782	4,897	160,235	19,927	30,440	3,852	10,305	375	132,475	24,896
Washington State U.	77	368,396	8,523	10,772	211,742	509	25,553	3,860	12,699	3,333	45,571	45,834
U. Delaware	78	368,107	5,740	33,416	81,458	5,684	50,077	12,949	22,727	7,511	123,997	24,548
U. Connecticut	79	367,557	4,766	11,254	220,304	2,616	11,245	26,385	9,724	1,684	68,902	10,677
Rockefeller U.	80	360,877	8,486	800	344,493	1,405	5,693	0	0	0	0	0
U. Massachusetts, Medical School	81	358,204	0	0	358,204	0	0	0	0	0	0	0
Florida State U.	82	355,986	9,004	17,014	67,760	7,277	65,661	17,992	17,838	6,779	58,212	88,449
Utah State U.	83	344,851	3,545	2,173	60,940	943	5,408	5,562	1,911	0	259,482	4,887
Louisiana State U., Baton Rouge	84	344,556	18,477	33,440	173,539	6,720	30,594	832	4,752	11,070	53,974	11,158
Dartmouth C. and Dartmouth Hitchcock Medical Center	85	344,126	17,794	8,933	171,185	8,959	24,806	15,457	19,335	2,660	36,219	38,778
U. Texas Health Science Center, Houston	86	342,633	0	0	342,633	0	0	0	0	0	0	0
U. Nebraska, Lincoln	87	340,260	11,208	2,220	170,212	5,411	29,612	15,053	10,339	838	56,068	39,299
U. New Mexico	88	331,164	4,264	7,336	230,657	801	10,115	6,521	13,611	6,865	45,191	5,803
U. Tennessee, Knoxville	89	324,435	10,765	2,609	100,488	3,044	23,139	4,977	9,813	22,697	115,464	31,439
Thomas Jefferson U.	90	321,644	0	0	321,561	0	0	0	0	0	77	6
Medical C. Wisconsin	91	321,506	0	0	313,888	0	0	0	0	0	7,618	0
Albert Einstein C. of Medicine	92	318,314	0	0	318,314	0	0	0	0	0	0	0
Georgetown U.	93	313,220	18,321	0	190,912	2,463	15,192	2,719	38,879	0	0	44,734
SUNY, Stony Brook U.	94	312,698	12,929	33,444	139,641	6,847	45,541	6,579	2,472	22,228	38,670	4,347
Brown U.	95	310,780	16,895	9,945	149,795	14,835	18,299	8,605	39,703	10,284	29,569	12,850
Auburn U., Auburn	96	304,439	5,174	4,791	128,578	3,875	17,011	3,848	3,856	3,031	93,219	41,056
Mississippi State U.	97	303,418	7,546	16,607	140,283	1,721	12,061	2,015	25,716	3,487	73,980	20,002

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Higher education R&D expenditures, ranked by all R&D expenditures, by R&D field: FY 2022

(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
Temple U.	98	301,395	6,734	1,498	223,126	3,063	17,215	13,248	7,110	591	8,898	19,912
Oregon State U.	99	297,934	5,820	46,982	162,192	1,601	6,297	1,024	6,357	3,181	58,552	5,928
Medical U. South Carolina	100	284,553	0	0	284,553	0	0	0	0	0	0	0
Florida International U.	101	281,665	18,348	18,793	67,166	2,201	33,613	37,185	20,526	3,325	48,549	31,959
U. Notre Dame	102	280,604	15,067	0	35,522	5,031	47,516	5,922	12,729	16,480	103,773	38,564
U. California, Santa Barbara	103	278,897	13,354	43,416	19,387	1,335	72,934	3,276	10,473	4,939	97,329	12,454
U. Hawaii, Manoa	104	277,323	17,690	78,404	122,760	409	23,293	455	2,407	3,976	24,574	3,355
Uniformed Services U. of the Health Sciences	105	277,240	0	0	257,828	0	0	19,412	0	0	0	0
George Washington U.	106	275,483	8,137	288	184,091	781	6,840	3,090	25,553	4,661	23,736	18,306
Wake Forest U.	107	269,109	401	0	253,966	381	1,996	1,035	2,534	0	1,427	7,369
Clemson U.	108	263,158	8,664	0	72,699	1,919	11,923	3,225	6,858	0	98,733	59,137
Wichita State U.	109	261,519	63	0	15,666	127	1,703	1,023	817	0	226,111	16,009
Woods Hole Oceanographic Institution	110	255,017	0	166,020	0	0	0	0	0	0	88,997	0
U. Massachusetts, Amherst	111	245,158	30,721	4,378	77,193	3,351	23,286	8,227	7,235	1,260	67,776	21,731
Wayne State U.	112	242,247	2,214	193	183,074	208	20,880	2,572	1,575	6,648	13,632	11,251
U. Houston	113	240,126	6,539	10,320	40,187	5,858	60,462	17,383	3,842	36	64,026	31,473
U. Texas Health Science Center, San Antonio	114	238,510	0	0	238,510	0	0	0	0	0	0	0
Northeastern U.	115	231,607	27,623	5,122	37,639	1,107	27,207	10,494	9,361	0	92,855	20,199
Tufts U.	116	231,224	2,568	982	134,584	6,353	11,206	5,146	19,308	14,093	32,535	4,449
George Mason U.	117	230,068	25,373	14,205	30,410	3,606	6,154	3,809	61,667	51	57,196	27,597
U. Louisville	118	229,582	119	166	185,107	661	3,872	2,457	1,130	307	23,630	12,133
U. South Carolina, Columbia	119	229,162	4,628	8,202	97,376	4,101	4,761	9,997	19,583	34	35,508	44,972
Texas Tech U.	120	226,729	5,410	11,018	65,627	3,793	15,739	8,234	12,411	0	46,952	57,545
Tulane U.	121	222,605	1,713	4,967	179,205	1,083	4,579	2,081	6,996	0	6,823	15,158
U. Central Florida	122	221,488	26,882	5,319	33,455	3,609	39,361	9,368	8,004	634	59,060	35,796
U. Vermont	123	216,307	3,614	4,278	158,896	3,132	4,354	5,186	8,023	2,755	11,621	14,448
Rice U.	124	216,202	11,172	4,738	18,022	6,937	31,638	4,805	21,779	571	110,648	5,892
Georgia State U.	125	215,908	5,346	2,276	73,616	2,033	18,277	10,364	37,729	0	0	66,267
West Virginia U.	126	214,081	1,562	5,177	135,260	432	13,067	1,638	3,216	1,756	43,972	8,001
Kansas State U.	127	212,974	3,900	1,295	124,308	2,956	14,709	4,337	10,049	7,521	29,980	13,919
U. Dayton	128	211,494	10,551	851	823	18	876	414	47	0	195,856	2,058
U. New Hampshire	129	206,392	1,465	86,032	55,600	1,481	5,090	1,086	15,906	0	25,040	14,692
U. Arkansas for Medical Sciences	130	205,493	0	0	205,493	0	0	0	0	0	0	0

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U. Nebraska, Medical Center	131	205,253	0	0	205,253	0	0	0	0	0	0	0
U. Louisiana, Lafayette	132	205,201	25,361	4,439	89,731	2,939	3,957	86	4,463	1,343	32,259	40,623
U. Texas Medical Branch	133	204,518	0	0	202,875	0	0	0	0	0	1,643	0
U. Alaska, Fairbanks	134	202,516	907	121,905	28,235	181	13,832	59	1,184	16,488	17,869	1,856
Montana State U., Bozeman	135	200,820	3,026	5,246	82,986	2,852	19,778	673	1,946	10,256	54,188	19,869
U. California, Riverside	136	199,135	7,468	11,310	107,118	2,207	17,938	5,411	6,764	2,261	32,758	5,900
Oklahoma State U., Stillwater	137	195,041	3,099	3,663	77,513	4,176	8,685	6,977	9,806	9,603	36,217	35,302
U. Arkansas, Fayetteville	138	184,080	6,819	5,333	92,217	59	10,739	1,294	6,866	0	40,691	20,062
U. Nevada, Reno	139	181,782	6,103	20,831	78,928	1,640	10,640	6,146	5,985	3,112	32,454	15,943
U. California, Santa Cruz	140	176,760	5,441	35,788	30,133	348	37,808	682	5,793	236	55,542	4,989
North Dakota State U.	141	174,904	2,957	804	115,027	1,357	9,362	2,354	7,856	6,064	20,187	8,936
U. Maine	142	171,931	2,084	25,600	41,542	660	6,427	1,217	2,169	13,120	68,261	10,851
U. Alabama, Huntsville	143	169,532	60,893	23,111	2,695	655	17,852	349	1,113	0	53,958	8,906
New Jersey Institute of Technology	144	167,135	10,764	0	31,619	4,727	17,202	0	7,277	114	83,738	11,694
U. Alabama, Tuscaloosa	145	163,204	16,400	5,895	22,348	2,367	7,524	5,349	12,938	58	49,885	40,440
U. Oregon	146	160,500	6,598	5,895	67,072	1,249	15,315	21,629	4,723	2,074	4,656	31,289
Syracuse U.	147	157,407	4,858	2,463	11,393	2,279	14,286	3,719	19,097	146	21,602	77,564
U. Mississippi	148	152,903	251	1,614	93,555	500	11,784	2,037	5,018	623	8,095	29,426
Drexel U.	149	151,903	6,589	0	87,434	729	2,306	3,077	1,870	1,890	38,649	9,359
U. North Dakota	150	147,717	2,266	6,874	35,064	348	3,641	1,682	1,618	175	84,614	11,435
U. Texas, San Antonio	151	147,629	21,484	4,787	27,073	2,075	12,128	3,738	10,456	5,839	24,403	35,646
U. Wyoming	152	139,764	2,220	19,400	52,377	1,661	2,625	883	5,421	19,572	28,379	7,226
U. Texas, Arlington	153	133,770	8,415	668	20,310	2,443	18,905	1,404	124	0	61,467	20,034
U. Texas, Dallas	154	130,914	10,179	815	31,502	1,429	16,709	5,601	2,262	930	51,310	10,177
SUNY, Binghamton U.	155	130,882	7,724	1,789	15,476	3,211	14,636	11,896	22,172	0	33,595	20,383
U. Texas, El Paso	156	130,501	7,833	4,565	30,381	2,413	10,021	4,911	3,365	2,705	40,798	23,509
SUNY, U. Albany	157	129,796	6,141	15,821	49,048	2,264	7,299	3,901	16,133	0	4,266	24,923
U. Rhode Island	158	129,102	743	54,685	29,670	0	4,119	3,552	2,746	7,743	11,931	13,913
Augusta U.	159	127,313	291	0	123,587	110	266	183	689	0	0	2,187
U. Montana, Missoula	160	125,603	2,206	5,818	76,032	983	7,724	716	20,418	0	0	11,706
San Diego State U.	161	123,856	2,321	2,684	36,057	3,896	7,435	18,073	5,482	7,315	14,048	26,545
Rensselaer Polytechnic Institute	162	121,809	14,752	2,214	8,885	3,658	15,894	3,954	1,829	0	63,146	7,477
New Mexico State U.	163	121,472	4,103	4,830	53,389	164	13,339	480	679	2,713	40,367	1,408

TABLE 23

Higher education R&D expenditures, ranked by all R&D expenditures, by R&D field: FY 2022

(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
Cold Spring Harbor Laboratory	164	118,034	0	0	118,034	0	0	0	0	0	0	0
U. Idaho	165	115,603	3,673	5,991	78,351	128	2,177	125	5,960	2,073	13,720	3,405
U. Tennessee, Health Science Center	166	115,161	0	0	113,398	0	0	0	0	1,123	640	0
Rush U.	167	114,874	0	0	111,165	0	0	3,709	0	0	0	0
U. Massachusetts, Lowell	168	111,144	9,858	2,493	17,817	767	18,186	1,726	6,681	426	44,358	8,832
U. Maryland, Baltimore County	169	110,319	13,685	20,378	13,643	1,893	20,806	1,891	17,891	2,430	8,140	9,562
Texas State U.	170	110,102	1,598	8,853	17,849	1,343	5,123	908	10,265	2,082	9,722	52,359
Brandeis U.	171	102,378	3,218	27	30,648	2,092	16,778	3,793	22,375	2,784	5,264	15,399
Colorado School of Mines	172	98,404	3,443	9,411	2,918	1,012	12,923	90	696	0	60,371	7,540
U. Nevada, Las Vegas	173	94,967	1,556	5,393	31,571	2,224	9,030	1,959	7,012	1,068	12,665	22,489
U. North Texas, Denton	174	93,538	9,124	687	17,731	0	8,762	3,186	3,953	0	23,078	27,017
Michigan Technological U.	175	91,084	7,889	19,663	2,804	1,720	4,600	697	1,438	769	48,400	3,104
New Mexico Institute of Mining and Technology	176	89,900	14,645	15,847	691	77	1,798	572	0	0	53,897	2,373
Saint Louis U.	177	82,740	1,221	3,879	66,726	192	3,579	435	1,974	0	1,559	3,175
Cleveland State U.	178	81,225	0	0	51,438	521	1,030	751	4,782	214	14,519	7,970
Van Andel Research Institute	179	78,626	0	0	78,626	0	0	0	0	0	0	0
William & Mary	180	75,953	2,873	38,810	3,112	395	6,411	351	10,114	2,076	0	11,811
U. Southern Mississippi	181	72,477	662	27,927	12,031	119	14,071	139	2,114	0	7,380	8,034
San Jose State U.	182	71,695	151	16,303	5,838	1,157	4,464	17,046	3,260	0	6,968	16,508
U. Memphis	183	71,271	6,795	4,298	10,731	1,138	3,012	6,817	8,068	1,554	11,825	17,033
Boston C.	184	68,958	1,399	9,912	8,226	951	12,202	4,174	9,261	0	438	22,395
American U.	185	67,616	753	1,091	1,117	1,615	4,351	1,109	17,191	4,458	0	35,931
Howard U.	186	67,594	1,576	305	44,152	215	6,125	2,546	1,296	0	10,431	948
Northern Arizona U.	187	66,729	2,492	5,396	43,147	5	7,427	178	345	1,148	4,194	2,397
Baylor U.	188	66,014	2,382	3,569	13,144	1,451	11,717	4,051	3,244	2,908	9,061	14,487
CUNY, City C.	189	65,569	820	2,547	7,942	220	11,590	1,260	3	0	36,189	4,998
U. Massachusetts, Boston	190	65,215	1,996	3,666	8,974	541	3,076	5,519	12,312	451	1,218	27,462
Old Dominion U.	191	64,877	2,672	3,787	12,010	857	8,410	1,526	2,345	0	28,288	4,982
U. Toledo	192	64,654	127	5,367	30,176	38	11,637	344	174	0	11,957	4,834
U. Texas Rio Grande Valley	193	64,401	3,543	1,981	26,835	2,731	3,997	1,119	4,604	48	7,844	11,699
Indiana U.-Purdue U., Indianapolis	194	64,162	5,049	1,393	21,631	177	2,736	4,196	11,122	3,754	6,626	7,478
Naval Postgraduate School	195	64,055	11,304	5,148	872	2,859	4,745	257	6,114	6,039	21,556	5,161
Rochester Institute of Technology	196	62,383	9,956	0	1,657	2,356	14,979	159	2,590	0	22,869	7,817

TABLE 23

Higher education R&D expenditures, ranked by all R&D expenditures, by R&D field: FY 2022

(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
Florida Atlantic U.	197	61,748	2,776	1,332	31,522	1,403	2,364	2,486	261	0	16,449	3,155
South Dakota State U.	198	59,590	44	953	44,606	657	1,610	426	1,791	0	8,977	526
Southern Methodist U.	199	57,544	494	4,956	2,765	2,009	5,607	1,276	2,132	10,766	7,313	20,226
Worcester Polytechnic Institute	200	56,904	10,044	0	3,538	3,090	3,487	0	1,854	0	31,514	3,377
U. Wisconsin-Milwaukee	201	56,822	376	9,026	10,207	25	10,084	4,294	5,843	2,404	8,246	6,317
East Carolina U.	202	55,693	484	4,751	34,271	439	1,740	1,336	1,226	0	2,737	8,709
U. California, Office of the President	203	54,640	0	0	45,843	0	8,725	0	0	0	0	72
Louisiana State U., Health Sciences Center, New Orleans	204	53,995	0	0	53,995	0	0	0	0	0	0	0
U. Maryland Center for Environmental Science	205	53,718	6	42,407	8,403	0	1,014	0	509	475	0	904
Stevens Institute of Technology	206	53,563	4,815	0	1,245	355	1,775	0	96	0	43,702	1,575
Missouri U. of Science and Technology	207	53,357	2,899	0	797	221	3,734	154	149	169	43,119	2,115
U. Missouri, Kansas City	208	52,657	1,075	285	33,588	0	1,277	1,359	148	734	12,219	1,972
Ohio U.	209	52,465	89	2,847	17,612	38	5,892	2,551	1,245	0	17,216	4,975
Kent State U.	210	52,175	1,619	1,088	10,845	1,824	8,065	4,245	5,668	1,239	1,847	15,735
Lehigh U.	211	51,769	2,373	1,124	9,078	289	5,157	911	439	43	28,948	3,407
Florida A&M U.	212	50,636	1,208	6,499	26,175	15	1,905	108	62	62	5,752	8,850
SUNY, Upstate Medical U.	213	50,586	0	0	50,586	0	0	0	0	0	0	0
Mercer U.	214	50,222	149	0	8,473	221	1,925	300	89	464	38,452	149
U. California, Merced	215	48,147	1,387	4,454	10,814	1,863	6,863	493	2,936	2,638	11,997	4,702
North Carolina A&T State U.	216	47,908	1,008	0	19,160	863	2,053	156	0	0	18,186	6,482
Boise State U.	217	47,617	3,448	2,927	12,000	1,550	6,848	101	2,458	606	14,758	2,921
U. Puerto Rico, Medical Sciences Campus	218	47,578	0	264	47,314	0	0	0	0	0	0	0
Southern Illinois U., Carbondale	219	46,967	389	1,522	38,470	9	1,825	252	1,358	834	2,308	0
Texas Tech U., Health Sciences Center	220	46,574	0	0	44,961	0	0	0	0	0	0	1,613
Loyola U., Chicago	221	46,169	456	0	39,546	90	1,691	1,115	1,189	0	95	1,987
Brigham Young U., Provo	222	45,610	1,533	787	10,040	769	6,726	400	880	0	19,599	4,876
U. Denver	223	45,561	78	96	5,422	243	4,420	7,261	3,542	0	3,632	20,867
Air Force Institute of Technology	224	44,391	3,474	1,025	0	164	11,934	0	0	0	27,794	0
U. South Alabama	225	43,491	1,432	4,841	25,738	267	561	2,217	633	0	6,231	1,571
U. North Carolina, Charlotte	226	43,126	8,681	1,077	5,643	803	3,345	1,100	2,519	0	15,096	4,862
Morehouse School of Medicine	227	42,489	0	0	42,489	0	0	0	0	0	0	0
Portland State U.	228	41,483	1,521	1,826	14,531	1,192	2,410	1,497	3,900	558	5,582	8,466
U. North Carolina, Greensboro	229	41,303	398	135	11,226	609	5,251	3,551	1,033	0	0	19,100

TABLE 23

Higher education R&D expenditures, ranked by all R&D expenditures, by R&D field: FY 2022

(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
Marquette U.	230	40,638	1,681	0	13,619	892	2,539	991	871	0	10,278	9,767
U. West Florida	231	38,870	4,832	92	3,311	71	1,269	340	3,261	819	450	24,425
Catholic U. of America	232	38,191	0	0	637	0	23,353	1,064	1,897	8	3,076	8,156
Oakland U.	233	38,061	3,608	0	9,762	80	8,447	367	61	0	14,783	953
San Francisco State U.	234	36,617	1,878	4,988	13,356	1,288	3,626	1,917	3,159	1,424	2,423	2,558
U.S. Air Force Academy	235	36,506	210	120	244	451	2,310	0	0	0	33,169	2
Georgia Southern U.	236	36,362	1,104	642	6,734	1,344	5,740	994	4,176	119	3,302	12,207
Texas A&M U.-Corpus Christi	237	36,014	355	14,478	5,184	19	1,459	4	623	1,132	8,737	4,023
CUNY, Hunter C.	238	35,348	1,556	1,197	7,870	200	4,838	9,591	1,827	386	191	7,692
Chapman U.	239	34,212	708	324	13,148	29	1,814	1,329	3,609	0	539	12,712
U. Texas Health Science Center, Tyler	240	33,872	0	0	33,872	0	0	0	0	0	0	0
California Polytechnic State U., San Luis Obispo	241	33,155	359	2,006	9,048	2,826	5,294	183	738	74	8,472	4,155
U. Massachusetts, Dartmouth	242	33,136	2,552	13,329	2,620	1,417	3,290	0	164	0	8,480	1,284
SUNY, C. of Environmental Science and Forestry	243	32,904	409	1,103	27,321	0	561	1,793	98	30	1,291	298
Montclair State U.	244	32,202	1,888	2,393	3,830	1,388	1,811	4,824	3,543	0	1,129	11,396
Nova Southeastern U.	245	31,189	57	11,526	14,336	20	0	846	981	20	0	3,403
Teachers C., Columbia U.	246	30,978	3,235	0	6,007	0	0	1,729	19,950	0	0	57
SUNY, Downstate Health Sciences U.	247	30,918	0	0	30,918	0	0	0	0	0	0	0
U. South Dakota	248	30,322	450	0	17,850	117	4,107	1,288	693	188	1,447	4,182
Rowan U.	249	29,949	540	494	10,188	397	1,483	1,055	0	134	15,432	226
Illinois Institute of Technology	250	29,791	3,307	146	9,464	429	3,705	0	91	66	12,502	81
Louisiana State U., Health Sciences Center, Shreveport	251	29,502	0	0	29,502	0	0	0	0	0	0	0
Morgan State U.	252	29,482	605	5,672	7,898	192	2,314	36	86	0	8,375	4,304
Delaware State U.	253	29,016	185	752	15,815	652	3,965	240	1,618	0	207	5,582
Miami U.	254	28,799	462	829	9,782	346	2,701	3,279	782	0	4,474	6,144
Embry-Riddle Aeronautical U.	255	28,650	2,417	1,823	1,064	111	5,852	0	66	0	16,049	1,268
Desert Research Institute	256	28,478	0	24,804	3,674	0	0	0	0	0	0	0
Rutgers, State U. New Jersey, Newark	257	28,345	2,252	2,487	10,990	0	4,099	1,039	2,024	415	0	5,039
U. Puerto Rico, Rio Piedras	258	28,083	609	2,586	3,500	234	5,456	63	1,270	4,306	4,135	5,924
Western Michigan U. and Homer Stryker M.D. School of Medicine	259	27,768	159	2,077	6,080	75	1,227	1,152	481	84	9,515	6,918
Creighton U.	260	27,609	1,153	0	20,856	298	2,020	337	1,186	0	0	1,759
Wright State U.	261	27,440	5,329	418	11,782	92	1,253	1,388	0	112	6,843	223

TABLE 23

Higher education R&D expenditures, ranked by all R&D expenditures, by R&D field: FY 2022

(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
Northern Illinois U.	262	27,068	983	1,320	2,620	62	6,220	1,018	4,365	0	4,132	6,348
Louisiana Tech U.	263	26,591	1,938	0	3,703	914	2,110	261	785	0	11,673	5,207
Villanova U.	264	25,955	360	565	3,993	119	3,052	1,031	309	0	9,453	7,073
Marshall U.	265	25,692	201	239	17,965	0	1,224	20	0	0	3,333	2,710
Illinois State U.	266	25,510	165	491	4,488	198	1,812	489	43	0	125	17,699
U. Nebraska, central administration	267	25,402	742	0	13,754	0	0	0	0	0	10,082	824
Central Michigan U.	268	25,105	100	683	17,871	122	2,396	390	112	1,831	499	1,101
U. Nebraska, Omaha	269	24,259	4,810	56	7,982	459	180	215	2,807	4,874	1,510	1,366
California State U., Sacramento	270	23,795	221	808	1,154	131	403	319	3,830	5,269	8,253	3,407
Texas A&M U.-Kingsville	271	23,451	0	242	17,132	0	323	51	0	66	4,044	1,593
East Tennessee State U.	272	23,420	0	18	21,542	185	464	97	120	0	27	967
U. Minnesota, Duluth	273	23,362	133	528	19,244	184	493	198	265	0	1,892	425
Middle Tennessee State U.	274	22,631	1,050	229	4,950	1,243	2,115	728	3,527	0	889	7,900
Albany Medical C.	275	22,297	0	0	22,297	0	0	0	0	0	0	0
Eastern Virginia Medical School	276	22,165	0	0	22,165	0	0	0	0	0	0	0
Tuskegee U.	277	21,941	875	0	15,072	888	1,910	108	89	0	2,955	44
U. New Orleans	278	21,911	1,492	1,576	1,016	603	2,181	622	2,787	2,278	2,134	7,222
Kennesaw State U.	279	21,705	3,538	0	5,744	1,114	1,096	112	1,661	1,211	1,652	5,577
Clarkson U.	280	21,703	531	112	1,339	784	3,918	89	146	0	12,446	2,338
CUNY, Queens C.	281	21,434	508	561	14,572	278	2,266	2,015	603	224	0	407
U. Alaska, Anchorage	282	21,024	48	5,286	8,875	0	577	57	1,529	1,296	1,957	1,399
U.S. Military Academy	283	20,841	6,651	26	132	1,074	185	925	4,806	0	6,640	402
U. Guam	284	20,481	0	6,937	12,397	63	131	0	174	0	6	773
Fordham U.	285	20,432	511	0	1,213	212	1,532	2,567	1,519	0	0	12,878
Prairie View A&M U.	286	20,429	134	0	9,381	5	2,139	33	247	117	5,305	3,068
U. of the Virgin Islands	287	20,259	267	8,729	8,130	679	1,130	0	534	0	790	0
South Dakota School of Mines and Technology	288	20,061	0	0	0	16	2,883	0	0	0	17,162	0
Tarleton State U.	289	20,056	763	2,594	9,239	376	503	475	1,033	1,126	685	3,262
U. North Carolina, Wilmington	290	20,053	280	6,351	7,428	51	675	223	1,683	406	537	2,419
U. Akron	291	19,943	44	659	1,587	191	8,690	581	139	0	7,558	494
California State U., Northridge	292	19,638	173	1,181	5,528	435	7,084	308	312	82	2,621	1,914
Bowling Green State U.	293	19,342	97	1,679	4,077	348	2,201	1,200	3,623	58	80	5,979
New School	294	19,218	3	192	675	20	10	1,041	6,743	608	3,301	6,625

TABLE 23

Higher education R&D expenditures, ranked by all R&D expenditures, by R&D field: FY 2022

(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
Southern Illinois U., Edwardsville	295	19,152	71	604	8,447	70	426	0	100	36	8,439	959
California State U., East Bay	296	19,035	287	816	2,587	377	895	207	2,148	0	133	11,585
U. North Florida	297	18,394	575	213	2,409	28	1,134	1,180	1,040	0	2,472	9,343
Texas Christian U.	298	18,353	106	307	558	189	4,131	1,827	2,551	5,670	88	2,926
U. Puerto Rico, Mayaguez	299	18,274	254	4,127	654	74	1,580	219	524	0	8,482	2,360
U. Colorado Denver ^C	300	18,080	687	650	2,804	989	1,895	1,554	638	0	3,906	4,957
Tennessee State U.	301	18,012	384	120	16,043	0	0	0	0	0	1,278	187
Meharry Medical C.	302	17,960	65	0	17,895	0	0	0	0	0	0	0
California State U., Long Beach	303	17,807	390	399	4,858	369	3,494	1,974	574	52	3,671	2,026
Florida Institute of Technology	304	17,706	5,289	1,985	1,313	298	1,682	1,261	0	0	5,100	778
Jackson State U.	305	17,481	671	0	5,257	26	7,277	181	4	190	2,512	1,363
U. Tulsa	306	17,416	3,849	192	1,008	6	718	679	287	163	9,554	960
Long Island U.	307	17,183	142	372	10,025	414	767	1,119	838	1	0	3,505
James Madison U.	308	17,021	961	870	4,434	335	2,256	1,156	225	0	808	5,976
Alcorn State U.	309	16,726	0	0	8,074	0	0	0	8,429	0	222	1
California State U., Fullerton	310	16,642	1,047	414	4,038	1,234	1,615	404	1,163	1,423	1,062	4,242
Idaho State U.	311	16,615	735	2,092	6,213	18	1,490	200	334	527	4,752	254
North Carolina Central U.	312	16,600	138	234	6,414	0	4,976	0	319	259	2,074	2,186
CUNY, Advanced Science Research Center	313	16,507	0	365	4,493	0	9,558	0	0	0	2,083	8
New York Medical C.	314	16,461	0	0	16,461	0	0	0	0	0	0	0
CUNY, Graduate School of Public Health and Health Policy	315	16,423	0	0	14,429	0	0	1,994	0	0	0	0
Tennessee Technological U.	316	16,398	3,541	14	3,456	0	672	77	52	0	7,436	1,150
CUNY, John Jay C. of Criminal Justice	317	16,233	0	0	666	106	650	2,221	764	474	0	11,352
California State Polytechnic U., Humboldt	318	15,612	76	863	4,020	1	899	0	2,088	259	6,779	627
Loma Linda U.	319	15,517	0	0	14,632	0	0	866	0	0	0	19
Western Washington U.	320	15,081	316	3,298	600	332	2,569	1,493	1,204	1,397	560	3,312
Charles R. Drew U. of Medicine and Science	321	14,581	0	0	14,581	0	0	0	0	0	0	0
Texas Tech U., Health Sciences Center, El Paso	322	14,206	0	0	13,073	0	0	0	0	0	0	1,133
Montana Technological U.	323	14,188	18	8,666	656	0	375	0	0	0	4,473	0
Xavier U. Louisiana	324	14,156	696	0	5,786	0	7,578	63	18	0	0	15
Duquesne U.	325	13,944	0	886	8,351	57	629	245	145	0	66	3,565
Northeast Ohio Medical U.	326	13,465	0	6	13,150	0	0	0	278	28	3	0
U. Missouri, Saint Louis	327	13,247	184	0	5,842	174	1,076	228	1,935	740	0	3,068

TABLE 23

Higher education R&D expenditures, ranked by all R&D expenditures, by R&D field: FY 2022

(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
Rosalind Franklin U. of Medicine and Science	328	12,988	0	0	12,579	0	0	409	0	0	0	0
U. Tennessee, Chattanooga	329	12,808	830	0	994	365	40	406	253	3,803	3,823	2,294
Loyola Marymount U.	330	12,773	303	13	2,308	14	383	1,713	1,072	165	57	6,745
U. Hawaii, system office	331	12,646	520	12,125	0	0	0	0	0	0	0	1
California State U., Fresno	332	12,603	234	7	4,894	1,626	2,668	11	652	0	1,970	541
Virginia State U.	333	12,326	0	37	7,493	206	80	76	0	0	2,260	2,174
Texas Southern U.	334	12,120	132	173	8,033	96	1,015	572	531	0	24	1,544
Sam Houston State U.	335	12,009	8	196	3,358	413	308	469	2,785	0	253	4,219
California State U., San Bernardino	336	11,929	672	75	1,251	311	2,161	2,206	278	235	658	4,082
Lincoln U., Jefferson City	337	11,500	0	28	11,109	0	0	0	145	218	0	0
Hampton U.	338	11,462	720	2,576	1,659	163	4,282	0	434	0	1,215	413
Missouri State U.	339	11,162	1	337	1,673	0	291	52	172	0	8,630	6
Rhode Island C.	340	11,127	85	0	634	0	441	194	13	0	0	9,760
Midwestern U.	341	11,069	0	0	11,069	0	0	0	0	0	0	0
U. of the District of Columbia	342	10,779	255	183	2,810	502	0	0	0	0	5,725	1,304
U.S. Naval Academy	343	10,664	867	550	0	1,216	1,679	0	10	0	6,342	0
Salisbury U.	344	10,614	328	882	2,182	123	326	34	474	0	3	6,262
U. North Texas, Health Science Center	345	10,439	0	0	10,439	0	0	0	0	0	0	0
Winston-Salem State U.	346	10,436	419	100	2,711	82	964	509	755	138	0	4,758
Central State U.	347	10,274	0	124	8,806	42	954	0	0	34	314	0
U. San Diego	348	10,143	0	185	233	1,524	1,237	29	1,086	0	820	5,029
Wesleyan U.	349	10,101	0	632	1,833	506	2,622	1,363	262	16	0	2,867
Fort Valley State U.	350	9,969	0	79	9,807	0	83	0	0	0	0	0
Ball State U.	351	9,932	348	0	4,876	83	1,106	219	772	0	0	2,528
Florida Gulf Coast U.	352	9,896	5	2,791	2,606	105	207	79	2	0	222	3,879
California State U., Los Angeles	353	9,839	241	202	1,229	0	5,776	58	391	0	1,423	519
Alabama A&M U.	354	9,611	372	0	5,654	78	758	201	237	0	1,925	386
West Texas A&M U.	355	9,438	257	305	6,054	7	258	0	0	150	1,713	694
Kentucky State U.	356	9,284	5	0	9,156	119	0	0	0	0	0	4
U. Maryland, Eastern Shore	357	9,274	0	3,778	5,437	0	0	0	0	0	59	0
California State U., San Marcos	358	9,238	450	123	1,456	9	981	987	121	3,730	527	854
Bryn Mawr C.	359	9,123	335	189	1,259	545	1,254	508	1,449	0	0	3,584
Saint Joseph's U.	360	9,041	126	0	5,199	15	1,397	295	277	0	0	1,732

TABLE 23

Higher education R&D expenditures, ranked by all R&D expenditures, by R&D field: FY 2022

(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
Western U. of Health Sciences	361	9,029	0	0	7,043	0	0	0	0	0	0	1,986
California State U., Monterey Bay	362	8,975	1,517	2,702	3,977	175	446	8	89	0	0	61
Clark U.	363	8,813	138	843	3,706	0	1,277	102	2,504	0	0	243
Clark Atlanta U.	364	8,791	395	0	5,400	323	2,620	0	0	0	41	12
Towson U.	365	8,788	1,204	654	1,816	269	880	586	816	0	0	2,563
Claremont Graduate U.	366	8,382	76	0	0	74	0	595	2,075	0	0	5,562
Oklahoma State U., Center for Health Sciences	367	8,368	104	0	7,092	0	0	1,111	0	0	0	61
DePaul U.	368	8,362	736	88	2,088	154	13	194	2,780	0	76	2,233
Arkansas State U., Jonesboro	369	8,214	299	0	5,942	0	886	43	187	276	508	73
U. Washington, Bothell	370	8,197	537	351	784	33	1,194	0	68	12	387	4,831
U. Michigan, Dearborn	371	8,180	24	0	217	163	262	178	88	131	6,703	414
Eastern Michigan U.	372	8,025	232	139	2,225	55	540	220	632	59	407	3,516
U. Hawaii, Hilo	373	8,001	89	1,770	4,995	33	376	0	338	354	0	46
U. Oklahoma, Tulsa	374	7,945	0	0	2,351	0	0	17	203	0	1,368	4,006
California State Polytechnic U., Pomona	375	7,909	304	13	3,501	80	1,301	20	22	0	1,759	909
U. Colorado Colorado Springs	376	7,761	2,607	187	379	21	457	378	861	7	1,883	981
Western Kentucky U.	377	7,720	7	1,142	2,547	75	1,714	809	299	0	510	617
William Paterson U.	378	7,574	60	328	1,379	63	124	479	1,506	0	0	3,635
U. Arkansas, Little Rock	379	7,530	3,204	1	1,519	1	292	0	146	0	1,571	796
U. Arkansas, Pine Bluff	380	7,506	0	0	6,299	0	513	0	114	580	0	0
Yeshiva U.	381	7,274	749	0	3,741	1,016	682	0	0	0	0	1,086
Appalachian State U.	382	7,189	327	987	3,066	22	1,013	244	405	0	237	888
Amherst C.	383	7,177	164	1,265	1,741	422	1,649	278	488	447	0	723
Edward Via C. of Osteopathic Medicine	384	7,121	0	0	7,121	0	0	0	0	0	0	0
U. Central Oklahoma	385	7,070	238	0	3,393	106	572	133	342	0	928	1,358
Southern U. and A&M C., Agricultural Research and Extension Center	386	7,048	0	0	7,048	0	0	0	0	0	0	0
Hofstra U.	387	6,939	166	410	1,232	286	711	107	525	0	521	2,981
West Virginia State U.	388	6,703	2	0	6,701	0	0	0	0	0	0	0
Grand Valley State U.	389	6,695	111	2,928	1,765	38	331	54	839	0	117	512
Philadelphia C. of Osteopathic Medicine	390	6,667	0	0	6,667	0	0	0	0	0	0	0
U. New England	391	6,664	0	662	5,953	0	14	7	5	0	0	23
U. Baltimore	392	6,646	336	48	0	0	0	0	2,501	0	0	3,761

TABLE 23

Higher education R&D expenditures, ranked by all R&D expenditures, by R&D field: FY 2022

(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
Langston U.	393	6,481	0	0	6,074	2	53	119	0	0	0	233
Rutgers, State U. New Jersey, Camden	394	6,480	2,722	0	275	0	297	108	1,790	0	0	1,288
C. Charleston	395	6,421	300	2,470	1,536	31	518	129	87	0	158	1,192
Purdue U., Northwest	396	6,387	394	0	1,120	0	202	9	0	288	2,606	1,768
Pennsylvania State U., Behrend	397	6,384	47	1,727	1,484	41	521	206	80	0	1,799	479
Gallaudet U.	398	6,360	1,954	0	1,682	2	60	1,576	813	0	0	273
Hope C.	399	6,355	74	47	2,230	33	2,122	45	515	0	430	859
Wellesley C.	400	6,326	437	169	1,033	179	214	954	1,133	0	395	1,812
Indiana U. Pennsylvania	401	6,313	113	234	1,747	17	456	728	579	196	0	2,243
Abilene Christian U.	402	6,310	0	0	185	0	5,831	10	6	12	29	237
Roseman U. of Health Sciences	403	6,296	0	0	6,285	0	0	0	0	0	0	11
Southern Connecticut State U.	404	6,286	121	386	1,001	107	753	146	466	323	0	2,983
CUNY, Brooklyn C.	405	6,220	273	222	802	107	1,998	1,656	109	265	0	788
High Tech High Graduate School of Ed.	406	6,203	0	0	0	0	0	0	0	0	0	6,203
Pacific U.	407	6,128	66	0	3,813	22	467	4	342	0	0	1,414
Texas Woman's U.	408	6,029	3	0	3,015	125	585	618	312	0	0	1,371
U. North Carolina, Asheville	409	5,973	289	96	1,605	22	718	0	354	648	0	2,241
Reed C.	410	5,922 i	151 i	0 i	2,626 i	136 i	860 i	238 i	514 i	0 i	0 i	1,397 i
West Chester U. Pennsylvania	411	5,903	39	31	1,055	82	771	457	739	12	0	2,717
Claremont McKenna C.	412	5,893	24	4	272	163	385	478	4,189	30	0	348
Grinnell C.	413	5,867	278	0	272	86	823	295	1,087	0	0	3,026
Smith C.	414	5,831	504	120	2,701	296	453	145	152	66	599	795
MGH Institute of Health Professions	415	5,805	0	0	4,628	0	0	0	0	0	0	1,177
Seton Hall U.	416	5,741	0	0	463	0	743	0	0	0	0	4,535
Morehouse C.	417	5,664	396	0	451	47	2,393	59	0	1,710	0	608
Williams C.	418	5,657 i	120 i	337 i	2,275 i	105 i	675 i	206 i	531 i	0 i	0 i	1,408 i
Northwest Indian C.	419	5,632	0	60	504	0	0	0	0	0	227	4,841
New York Institute of Technology	420	5,555	323	0	3,871	0	101	0	1	0	1,181	78
Naval War C.	421	5,529	0	0	0	0	0	0	929	0	0	4,600
CUNY, Graduate Center	422	5,509	6	3	6	88	0	249	1,067	462	0	3,628
Kean U.	423	5,499	850	53	1,234	80	1,576	49	270	14	32	1,341
U. Southern Maine	424	5,498	1,553	64	801	13	0	0	2,619	20	228	200
U.S. Army War C.	425	5,496 i	0 i	0 i	0 i	0 i	0 i	0 i	5,496 i	0 i	0 i	0 i

TABLE 23

Higher education R&D expenditures, ranked by all R&D expenditures, by R&D field: FY 2022

(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. Washington, Tacoma	426	5,484	421	3,535	463	137	0	0	97	19	250	562
Des Moines U.	427	5,307	0	600	4,128	0	36	36	280	0	0	227
Lamar U.	428	5,304	154	0	248	0	124	0	160	0	3,536	1,082
Bucknell U.	429	5,259	113	40	1,255	169	1,038	83	322	265	1,589	385
U. Detroit Mercy	430	5,186	24	0	4,455	0	0	53	0	0	560	94
Oregon Institute of Technology	431	5,086 i	160 i	387 i	3,404 i	100 i	0 i	133 i	0 i	0 i	902 i	0 i
U. Central del Caribe	432	5,053	0	0	5,053	0	0	0	0	0	0	0
Barnard C.	433	4,988	250	76	1,322	0	1,541	1,030	474	0	0	295
Texas A&M U.-Commerce	434	4,955	141	0	2,119	9	1,028	183	46	0	48	1,381
Memorial Sloan Kettering Cancer Center, Louis V. Gerstner Jr. Graduate S. of Biomedical Sciences	435	4,954	0	0	4,954	0	0	0	0	0	0	0
California State U., Bakersfield	436	4,815	0	69	75	1,457	322	72	261	0	440	2,119
Dakota State U.	437	4,684	4,589	15	65	0	15	0	0	0	0	0
CUNY, Lehman C.	438	4,656	9	44	371	214	2,650	16	380	253	0	719
U. Wisconsin-Superior	439	4,615	0	28	4,213	0	0	0	63	0	297	14
U. New Haven	440	4,548	1,363	151	350	17	128	325	1,738	0	329	147
SUNY, C. of Optometry	441	4,497	0	0	4,497	0	0	0	0	0	0	0
Haverford C.	442	4,487	47 i	115 i	1,153 i	51 i	2,231 i	162 i	202 i	0 i	0 i	526 i
Texas A&M International U.	443	4,486	1	53	531	101	275	17	743	853	127	1,785
Toyota Technological Institute, Chicago	444	4,470	4,470	0	0	0	0	0	0	0	0	0
Franklin and Marshall C.	445	4,440	33	305	1,001	30	835	154	441	30	0	1,611
Citadel Military C. South Carolina	446	4,374	2,615	0	225	28	184	66	25	0	363	868
Carleton C.	447	4,358	402	1,374	330	372	301	217	675	0	0	687
Southern U. and A&M C., Baton Rouge	448	4,344	611	0	837	87	200	0	0	0	1,938	671
Colgate U.	449	4,343	101	728	676	153	1,215	112	406	0	0	952
Western Illinois U.	450	4,311	0	0	1,917	0	84	0	182	0	1,983	145
U. of Health Sciences and Pharmacy in St. Louis	451	4,280	0	0	4,271	0	9	0	0	0	0	0
South Carolina State U.	452	4,270 i	117 i	0 i	1,537 i	0 i	1,086 i	0 i	0 i	0 i	773 i	757 i
California State U., Dominguez Hills	453	4,230	413	15	335	72	1,464	435	197	0	0	1,299
Santa Clara U.	454	4,225	0	0	543	41	589	140	512	0	1,741	659
Swarthmore C.	454	4,225	71	0	1,295	174	779	130	219	0	215	1,342
California State U., Chico	456	4,177	0	624	1,445	42	166	0	102	0	1,192	606
Youngstown State U.	457	4,157	167	2	292	74	366	65	50	0	3,058	83

TABLE 23

Higher education R&D expenditures, ranked by all R&D expenditures, by R&D field: FY 2022

(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
Occidental C.	458	4,139	313	1,416	577	108	877	443	334	0	0	71
U. Nebraska, Kearney	459	4,009	105	0	2,409	0	625	34	23	0	0	813
Fisk U.	460	4,000	431	0	1,289	167	1,926	54	0	0	10	123
National Defense U.	461	3,920	0	0	400	0	0	0	3,020	0	0	500
Northern Kentucky U.	462	3,888	122	0	2,148	73	875	405	126	28	0	111
Pepperdine U.	463	3,775	0	0	2,022	29	89	174	248	131	0	1,082
Sonoma State U.	464	3,774	5	1,938	748	511	62	73	72	30	17	318
U. Wisconsin-Stevens Point	465	3,740	0	338	3,144	0	136	0	0	0	111	11
Coastal Carolina U.	466	3,724	133	1,573	497	0	209	66	284	18	175	769
Chicago State U.	467	3,701	78	0	2,223	0	1,341	0	59	0	0	0
U. Central Arkansas	468	3,684	610	0	1,209	10	465	81	252	0	0	1,057
Trinity U.	469	3,657	72	194	756	50	1,272	344	319	0	69	581
Colorado C.	470	3,646	0	806	128	44	316	97	136	0	0	2,119
Norfolk State U.	471	3,593	344	0	148	35	1,051	0	0	0	1,656	359
St. John's U., New York	472	3,592	160	0	2,213	0	510	357	5	0	0	347
U. Texas of the Permian Basin	473	3,577	18	77	887	1	30	70	494	0	797	1,203
CUNY, C. Staten Island	474	3,545	133	25	1,070	173	1,097	631	9	60	0	347
Milwaukee School of Engineering	474	3,545	65	0	0	0	0	0	0	0	3,480	0
Pace U.	476	3,524	903	0	607	0	100	5	10	0	529	1,370
U. North Carolina, general administration	477	3,522	903	0	250	0	0	0	0	0	2,232	137
U. Northern Iowa	478	3,486	5	129	337	6	921	0	2,045	0	0	43
Alfred U.	479	3,477	0	1	0	2	16	0	0	0	3,458	0
C. New Jersey	480	3,464	221	0	1,502	22	923	25	31	312	265	163
Winthrop U.	481	3,424	64	10	352	8	444	3	280	0	0	2,263
St. Edward's U.	482	3,393	270	0	734	209	571	100	30	0	0	1,479
Azusa Pacific U.	483	3,389	29	0	691	30	176	868	87	0	10	1,498
California State U., Channel Islands	484	3,377	69	0	1,401	568	406	8	140	696	4	85
Murray State U.	485	3,371	0	249	2,449	354	293	0	0	0	0	26
Bowie State U.	486	3,351	1,169	0	1,462	0	481	0	0	0	0	239
Harvey Mudd C.	487	3,350	711	0	605	378	744	0	0	249	608	55
U. Northern Colorado	488	3,308	0	202	1,368	83	72	80	597	0	0	906
Hawaii Pacific U.	489	3,302	0	947	1,431	0	0	0	82	0	14	828
Biola U.	490	3,260	0	0	170	0	0	2,469	0	0	2	619

TABLE 23

Higher education R&D expenditures, ranked by all R&D expenditures, by R&D field: FY 2022

(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. Texas, Tyler	491	3,246	38	0	2,233	74	29	2	67	0	542	261
Hobart and William Smith Colleges	492	3,228	13	288	2,357	90	300	5	21	10	0	144
Fayetteville State U.	493	3,206	472	0	784	0	165	0	155	42	127	1,461
Stephen F. Austin State U.	494	3,184	3	62	1,773	241	114	2	212	0	0	777
Alabama State U.	495	3,178	192	0	2,471	0	0	0	0	0	483	32
Central Washington U.	496	3,176	406	1,394	437	196	541	0	128	0	32	42
Calvin U.	497	3,169	73	39	479	57	358	41	62	289	129	1,642
CUNY, Baruch C.	498	3,156	1	102	933	533	338	231	84	0	0	934
Austin Peay State U.	499	3,149	3	635	1,657	0	89	1	0	6	0	758
U. Louisiana, Monroe	500	3,128	0	103	2,583	0	247	0	154	0	0	41
Colorado State U., Pueblo	501	3,117	326	0	1,214	0	0	0	27	82	0	1,468
Lawrence Technological U.	502	3,050	53	0	0	21	148	0	0	0	726	2,102
U. Wisconsin-La Crosse	503	2,942	76	35	897	59	299	16	1,383	13	0	164
Pennsylvania State U., Harrisburg	504	2,927	8	6	1,433	7	8	66	144	0	160	1,095
CUNY, system office	505	2,900	113	0	180	0	0	88	0	32	2,447	40
Pittsburg State U.	506	2,884	0	0	526	0	27	0	22	0	2,309	0
U. Illinois, Springfield	507	2,881	0	0	33	0	14	0	1,978	57	0	799
Morehead State U.	508	2,880	0	0	517	0	10	41	0	0	2,312	0
Saginaw Valley State U.	509	2,862	268	0	1,845	0	0	0	203	0	0	546
Framingham State U.	510	2,830	82	0	1,586	39	238	53	156	0	0	676
Davidson C.	511	2,788	179	0	787	86	531	482	523	0	0	200
Western Carolina U.	512	2,783	0	313	1,326	0	9	0	267	0	363	505
Fort Lewis C.	513	2,765	17	3	806	0	743	0	0	0	623	573
Christopher Newport U.	514	2,762	0	0	625	225	851	44	195	0	437	385
U. Wisconsin-Green Bay	515	2,713	77	114	1,543	21	156	43	97	0	465	197
Spelman C.	516	2,686	26	0	685	668	410	565	55	0	0	277
Johnson C. Smith U.	517	2,685	188	0	146	2	4	0	2	0	52	2,291
U. Richmond	518	2,670	19	369	835	36	519	438	131	0	0	323
U. San Francisco	519	2,657	204	374	970	13	172	42	272	29	3	578
Furman U.	520	2,650	28	132	968	24	1,313	137	15	0	0	33
Bowdoin C.	521	2,648	64	349	1,275	40	376	126	60	0	0	358
U. Virginia's C. Wise	522	2,628	455	0	116	0	44	0	95	0	197	1,721
Middlebury C.	523	2,603	162	513	692	0	564	247	289	0	0	136

TABLE 23

Higher education R&D expenditures, ranked by all R&D expenditures, by R&D field: FY 2022

(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. South Carolina, Aiken	524	2,595	0	0	1,165	12	292	11	245	0	231	639
Pomona C.	525	2,589	120	272	338	301	695	86	515	0	0	262
Vassar C.	526	2,580	133	51	918	95	233	312	472	0	0	366
Lewis and Clark C.	527	2,566	13	222	545	0	246	15	77	0	0	1,448
Touro U., California	528	2,561	0	0	2,290	0	0	0	0	0	0	271
Franklin W. Olin C. of Engineering	529	2,554	0	0	0	0	0	0	0	0	2,380	174
Colby C.	530	2,530	97	376	831	36	345	80	316	0	0	449
Sul Ross State U.	531	2,526 i	92 i	168 i	1,303 i	40 i	219 i	51 i	132 i	0 i	0 i	521 i
Troy U.	532	2,517	1	71	180	4	1,916	3	40	0	56	246
U. of St. Thomas (MN)	533	2,476	11	7	286	19	340	396	15	0	862	540
Bates C.	534	2,468	40	65	1,743	1	330	54	144	0	0	91
Eastern Washington U.	535	2,437	0	17	410	2	125	87	1,789	0	0	7
Southeastern Louisiana U.	536	2,407	38	0	1,022	0	606	0	10	0	24	707
Tougaloo C.	537	2,336 i	92 i	0 i	1,207 i	91 i	537 i	111 i	60 i	0 i	0 i	238 i
Pratt Institute	538	2,325	0	0	0	0	0	0	0	0	0	2,325
Grambling State U.	539	2,306 i	0 i	0 i	0 i	0 i	1,345 i	0 i	0 i	0 i	0 i	961 i
Albany C. of Pharmacy and Health Sciences	540	2,276	0	0	2,276	0	0	0	0	0	0	0
Dillard U.	541	2,270	0	89	1,199	21	158	1	6	265	7	524
La Sierra U.	542	2,246	0	0	7	0	1	73	0	0	0	2,165
St. Cloud State U.	543	2,226	16	12	417	0	19	3	217	2	30	1,510
Northeastern Illinois U.	544	2,224	104	54	1,447	43	0	0	8	0	7	561
Minnesota State U., Mankato	545	2,206	5	8	813	0	39	120	310	0	871	40
Willamette U.	546	2,183	5	119	833	20	139	46	0	76	0	945
SUNY, Buffalo State	547	2,172	3	1,098	767	139	0	0	90	0	23	52
Roger Williams U.	548	2,156	25	506	831	2	47	54	0	3	221	467
Purdue U., Fort Wayne	549	2,134	0	0	343	229	76	262	105	179	169	771
Mount Holyoke C.	550	2,112	235	90	520	159	370	457	37	0	0	244
Dine C.	551	2,091	0	0	2,091	0	0	0	0	0	0	0
SUNY, Geneseo	551	2,091	0	82	152	16	1,234	311	64	0	0	232
Erikson Institute	553	2,068	0	0	0	0	0	0	0	0	0	2,068
U. of the Incarnate Word	554	2,064	0	0	972	0	478	0	0	0	339	275
Lafayette C.	555	2,059	35	13	649	41	483	81	117	0	384	256
Lake Superior State U.	556	2,056	0	0	1,988	0	21	0	6	0	41	0

TABLE 23

Higher education R&D expenditures, ranked by all R&D expenditures, by R&D field: FY 2022

(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
Western New England U.	557	2,052	69	0	467	50	0	2	0	0	1,464	0
Palmer C. of Chiropractic, Davenport	558	2,050	0	0	2,050	0	0	0	0	0	0	0
U. Wisconsin-Oshkosh	559	1,990	1	43	640	0	398	20	93	0	294	501
Black Hills State U.	560	1,987	385	0	1,421	0	101	0	0	0	0	80
California State U., Stanislaus	561	1,966	215	2	1,094	218	117	114	123	0	0	83
CUNY, New York City C. of Technology	562	1,955	195	0	304	239	727	0	0	9	50	431
Monmouth U.	563	1,938	0	1,572	185	0	110	12	49	0	0	10
Elizabeth City State U.	564	1,934	585	0	802	0	0	0	3	0	0	544
CUNY, York C.	565	1,912	0	953	429	109	172	140	0	2	0	107
Utah Valley U.	566	1,895	123	140	380	82	815	0	0	0	310	45
Seattle U.	567	1,894	93	0	281	153	311	0	103	0	137	816
Northern Michigan U.	568	1,888	28	149	1,248	0	43	93	39	0	0	288
Savannah State U.	568	1,888	0	694	255	0	53	0	13	264	609	0
Hamilton C.	570	1,879	3	52	116	4	127	132	337	44	0	1,064
Connecticut C.	571	1,875	134	0	477	0	690	325	57	0	0	192
New England C. of Optometry	572	1,868	0	0	1,868	0	0	0	0	0	0	0
Northwestern State U. Louisiana	573	1,848	132	0	183	23	0	7	881	0	8	614
U. of the Pacific	574	1,835	70	53	1,392	0	152	0	0	30	135	3
Babson C.	575	1,825	0	16	0	56	0	0	483	0	0	1,270
U. Houston-Clear Lake	576	1,800	21	0	1,322	0	123	146	79	0	21	88
Elon U.	577	1,797	25	0	287	135	45	215	193	14	18	865
Virginia Military Institute	578	1,746	1,304	0	83	39	112	0	29	0	119	60
Eastern Connecticut State U.	579	1,734	9	8	281	0	7	109	399	99	0	822
Skidmore C.	579	1,734	18	547	329	26	433	197	55	0	0	129
U. North Georgia	579	1,734	456	137	169	0	15	26	148	0	0	783
Florida Polytechnic U.	582	1,725	210	0	0	9	4	0	33	0	1,310	159
C. Wooster	583	1,717	16	188	429	93	549	1	167	0	0	274
Butler U.	584	1,691	0	0	1,276	0	154	48	15	0	0	198
Drake U.	584	1,691	19	0	536	109	220	6	9	0	0	792
Macalester C.	584	1,691	17	223	158	123	622	28	252	0	0	268
Stockton U.	587	1,657	0	798	291	0	0	0	568	0	0	0
Manhattan C.	588	1,641	0	0	37	242	140	0	0	0	899	323
U. Wisconsin-Eau Claire	589	1,628	46	135	138	11	954	293	17	0	0	34

TABLE 23

Higher education R&D expenditures, ranked by all R&D expenditures, by R&D field: FY 2022

(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
Trinity C., Hartford	590	1,620	9	0	965	31	147	118	161	0	42	147
Alaska Pacific U.	591	1,607	0	1,548	20	0	0	0	0	0	0	39
U. Alaska, Southeast	592	1,570	0	493	479	0	44	0	50	504	0	0
Marshall B. Ketchum U.	593	1,559	0	0	1,559	0	0	0	0	0	0	0
SUNY, C. Brockport	594	1,500	8	79	1,120	1	211	0	28	0	0	53
U. Houston-Downtown	595	1,485	135	14	135	2	88	37	66	0	71	937
Union C., Schenectady	596	1,479	69	181	143	64	244	38	124	0	446	170
U. Puerto Rico, Humacao	597	1,448	0	92	1	0	1,302	53	0	0	0	0
U. Ana G. Mendez, Gurabo	598	1,419	0	0	274	0	33	0	0	1	996	115
East Stroudsburg U. Pennsylvania	599	1,410	15	0	828	8	7	0	2	0	0	550
Suffolk U.	600	1,401	0	14	19	0	45	236	47	0	18	1,022
U. Puerto Rico, Cayey	601	1,390	0	0	30	0	61	55	4	1,224	0	16
Indiana State U.	602	1,354	0	139	548	24	130	0	0	0	87	426
U. Wisconsin-Platteville	603	1,349	44	0	605	23	98	23	109	17	204	226
New Mexico Highlands U.	604	1,331	186	187	207	184	187	0	186	0	0	194
Kenyon C.	605	1,330	0	0	788	45	362	32	34	0	0	69
West Virginia School of Osteopathic Medicine	606	1,329	0	0	1,327	0	0	0	0	0	0	2
Albion C.	607	1,300	63	103	430	59	139	0	162	0	0	344
Marymount U.	608	1,298	350	0	394	0	2	46	200	0	3	303
Saint John's U.	608	1,298	23	0	542	15	125	43	144	0	0	406
Keck Graduate Institute	610	1,282	0	0	1,282	0	0	0	0	0	0	0
Whitman C.	611	1,270	22	121	325	0	486	77	70	0	0	169
Northland C.	612	1,265	0	90	719	44	0	72	86	0	0	254
Texas A&M U.-San Antonio	613	1,242	239	10	348	0	0	3	36	429	104	73
U. of Mary Washington	614	1,229	20	57	190	0	117	0	39	0	0	806
C. of Saint Benedict	615	1,228	23	0	519	16	124	42	132	0	0	372
SUNY, Cobleskill	616	1,211	0	0	0	0	0	0	0	0	1,211	0
SUNY, Oswego	617	1,209	38	64	194	0	450	43	56	340	0	24
Nevada State C.	618	1,191	0	82	1,109	0	0	0	0	0	0	0
Heidelberg U.	619	1,184	0	1,184	0	0	0	0	0	0	0	0
Clafin U.	620	1,179	387	105	458	0	102	0	64	0	63	0
Bentley U.	621	1,161	75	13	652	51	0	0	84	0	0	286
Canisius C.	622	1,160	0	0	0	0	159	0	0	1,001	0	0

TABLE 23

Higher education R&D expenditures, ranked by all R&D expenditures, by R&D field: FY 2022

(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. Hartford	623	1,090	3	0	82	34	8	34	142	0	752	35
U. Puget Sound	624	1,051	0	42	778	4	123	5	36	0	1	62
SUNY, C. Plattsburgh	625	1,043	0	905	112	0	26	0	0	0	0	0
Central Connecticut State U.	626	1,035	27	5	121	24	104	19	346	0	185	204
Ithaca C.	627	1,000	57	80	303	122	291	2	54	0	0	91
Robert Morris U.	627	1,000	41	0	704	11	0	11	35	0	144	54
St. Catherine U.	629	933	0	0	537	0	33	0	322	0	0	41
Kettering U.	630	816	19	0	0	3	29	0	0	0	424	341
Augustana U.	631	724	0	0	403	0	306	0	0	0	0	15
Plymouth State U.	632	669	1	424	182	0	0	0	40	5	0	17
Mercyhurst U.	633	661	0	1	40	0	27	2	380	45	0	166
California Lutheran U.	634	627	0	3	171	0	42	0	178	233	0	0
California State U., Maritime Academy	635	526	0	70	0	0	0	0	0	0	388	68
Sonoran U. Health Sciences	636	520	0	0	520	0	0	0	0	0	0	0
U. Charleston	637	217	0	0	217	0	0	0	0	0	0	0

i = imputed.

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

^a Johns Hopkins University includes the Applied Physics Laboratory, with \$2,056,063 thousand in total R&D expenditures in FY 2022.^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 2021. Institutions reporting less than \$1 million in total R&D expenditures in 2021 completed a shorter version of the survey form in FY 2022, 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 83.

Source(s):

National Center for Science and Engineering Statistics, Higher Education Research and Development Survey, FY 2022.