

TABLE 23

## Higher education R&amp;D expenditures, ranked by all R&amp;D expenditures, by R&amp;D field: FY 2023

(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	-	108,681,008	3,617,348	4,032,534	62,204,360	1,060,700	6,944,769	1,637,829	3,615,227	1,194,804	17,468,446	6,904,991
Johns Hopkins U. <sup>a</sup>	1	3,801,585	309,828	72,538	1,264,589	230,354	332,727	8,378	11,336	64,191	1,493,689	13,955
U. California, San Francisco	2	2,046,539	0	0	1,978,891	0	67,648	0	0	0	0	0
U. Pennsylvania	3	1,953,617	21,066	2,293	1,497,834	8,603	72,101	17,413	66,203	9,310	112,740	146,054
U. Michigan, Ann Arbor	4	1,925,875	17,076	19,164	1,116,866	21,033	70,259	23,483	217,488	5,664	324,306	110,536
U. Washington, Seattle	5	1,734,091	30,158	162,612	1,175,596	9,783	69,424	11,239	23,577	1,135	180,277	70,290
U. Wisconsin-Madison	6	1,731,949	38,571	77,933	1,058,529	8,838	113,636	13,198	75,982	57,926	171,445	115,891
U. California, Los Angeles	7	1,721,665	19,118	52,655	1,222,724	11,947	61,410	20,440	86,049	58,077	113,969	75,276
U. California, San Diego	8	1,705,410	37,484	245,278	1,043,913	5,471	105,927	13,623	23,568	0	176,720	53,426
U. North Carolina, Chapel Hill	9	1,549,617	41,385	34,095	1,141,727	4,894	51,933	56,582	95,692	139	49,721	73,449
Stanford U.	10	1,537,846	27,907	35,299	1,119,445	6,455	103,816	14,151	22,966	224	158,868	48,715
Duke U.	11	1,507,996	12,836	9,796	1,266,314	8,374	29,127	10,189	43,163	501	109,885	17,811
New York U.	12	1,457,424	16,701	732	1,065,030	19,747	30,409	26,613	41,857	0	132,311	124,024
Cornell U.	13	1,451,971	32,821	5,762	1,020,982	4,173	136,751	12,439	30,044	145	149,807	59,047
Ohio State U.	14	1,449,188	31,323	9,777	977,520	5,135	39,570	6,403	24,943	40,363	242,745	71,409
Harvard U.	15	1,435,218	28,969	30,302	793,236	19,878	134,733	8,218	169,192	12,681	99,830	138,179
Georgia Institute of Technology	16	1,405,080	198,783	13,138	42,645	9,953	39,186	4,464	7,944	0	1,061,402	27,565
U. Pittsburgh, Pittsburgh	17	1,398,078	12,535	13,409	1,205,739	5,160	33,092	16,409	5,653	13,638	82,238	10,205
U. Maryland <sup>b</sup>	18	1,385,302	80,519	87,557	719,375	6,039	135,422	11,142	72,987	18,057	183,899	70,305
Columbia U. in the City of New York	19	1,341,952	30,853	88,243	980,046	4,294	52,418	4,443	18,686	0	100,161	62,808
Yale U.	20	1,326,807	11,131	7,593	1,154,182	3,906	63,036	11,027	19,496	829	40,153	15,454
U. Minnesota, Twin Cities	21	1,320,183	24,219	16,935	948,410	8,376	47,610	33,730	39,384	3,864	145,670	51,985
Texas A&M U., College Station and Health Science Center	22	1,277,814	28,414	125,114	464,675	8,774	65,248	10,488	32,324	13,003	464,769	65,005
U. Texas M. D. Anderson Cancer Center	23	1,255,190	0	0	1,166,465	23,423	23,775	18,290	23,237	0	0	0
Vanderbilt U. and Vanderbilt U. Medical Center	24	1,253,156	24,592	3,637	958,220	2,323	30,399	17,439	28,357	0	82,313	105,876
U. Florida	25	1,250,201	20,449	19,578	922,704	2,928	43,930	15,487	17,586	4,575	150,126	52,838
Pennsylvania State U., University Park and Hershey Medical Center	26	1,206,793	108,873	33,406	346,482	24,625	111,514	41,284	42,771	0	453,476	44,362
Washington U., Saint Louis	27	1,168,861	5,859	6,986	1,043,446	1,309	30,262	8,442	2,859	178	33,691	35,829
U. Southern California	28	1,154,804	122,842	20,785	744,073	2,031	18,195	8,053	81,705	0	82,633	74,487
Northwestern U.	29	1,114,269	13,831	1,795	816,739	2,311	97,816	3,316	23,363	22,022	93,785	39,291
Emory U.	30	1,094,328	5,494	3,189	998,674	1,840	31,085	4,712	5,560	0	26,414	17,360
U. California, Berkeley	31	1,076,754	15,434	11,609	290,429	11,060	234,242	20,253	87,836	109,018	209,311	87,562
U. Texas, Austin	32	1,035,838	116,971	76,120	188,258	18,889	123,113	16,683	32,781	5,907	360,947	96,169

TABLE 23

## Higher education R&amp;D expenditures, ranked by all R&amp;D expenditures, by R&amp;D field: FY 2023

(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
Massachusetts Institute of Technology	33	1,000,081	119,666	28,790	127,959	10,270	180,988	525	55,636	21,825	404,440	49,982
Icahn School of Medicine at Mount Sinai	34	972,476	0	0	972,476	0	0	0	0	0	0	0
U. California, Davis	35	962,399	6,959	38,078	682,290	4,722	36,471	4,171	38,849	10,491	124,470	15,898
U. Arizona	36	955,424	18,319	44,173	522,916	7,530	173,256	10,219	27,542	13,247	103,771	34,451
Arizona State U.	37	903,779	33,267	59,803	179,408	2,786	59,230	17,382	93,071	30,565	265,026	163,241
Indiana U., Bloomington	38	853,056	47,950	6,894	623,240	3,010	30,417	16,940	44,795	12,069	25,104	42,637
Baylor C. of Medicine	39	847,305	0	0	847,305	0	0	0	0	0	0	0
Purdue U., West Lafayette	40	844,570	31,316	9,201	282,174	3,115	60,623	5,839	17,096	2,636	360,289	72,281
Michigan State U.	41	844,076	18,855	7,557	377,253	13,271	207,802	14,085	46,373	16,262	86,949	55,669
Rutgers, State U. New Jersey, New Brunswick	42	831,719	8,406	35,546	619,096	11,898	28,283	15,490	10,539	2,248	61,910	38,303
U. Illinois, Urbana-Champaign	43	821,023	99,934	23,906	245,437	5,040	84,748	15,234	9,883	17,353	272,650	46,838
U. Texas Southwestern Medical Center	44	800,391	0	0	800,391	0	0	0	0	0	0	0
U. Alabama, Birmingham	45	780,479	1,013	0	721,450	169	5,624	11,715	782	0	28,505	11,221
Boston U.	46	773,200	22,142	10,080	486,968	5,008	42,374	26,387	14,027	7,622	111,856	46,736
U. Utah	47	723,713	249	11,126	453,037	3,727	24,991	5,663	14,062	0	113,129	97,729
U. Virginia, Charlottesville	48	714,457	28,652	7,041	418,932	2,301	27,920	7,392	12,798	848	112,702	95,871
U. Cincinnati	49	698,642	4,958	1,489	567,982	1,732	12,181	11,756	11,576	987	54,548	31,433
U. Colorado Anschutz Medical Campus	50	686,026	0	183	676,151	0	521	1,487	394	0	842	6,448
U. Iowa	51	662,134	4,037	3,415	478,820	1,074	63,779	10,435	4,172	2,535	57,579	36,288
U. Colorado Boulder	52	651,924	21,212	140,081	61,853	4,116	179,084	16,643	16,815	1,576	175,118	35,426
North Carolina State U.	53	633,251	26,585	34,922	284,651	18,035	28,745	1,887	8,771	16,191	196,594	16,870
U. Chicago	54	628,302	34,390	10,053	395,289	5,931	78,200	9,445	34,694	0	47,857	12,443
U. Nebraska, Lincoln and Medical Center <sup>c</sup>	55	617,372	10,348	3,364	413,555	5,687	37,541	17,233	11,621	928	76,802	40,293
U. California, Irvine	56	609,614	26,089	11,236	369,735	8,818	43,790	14,662	13,104	457	84,902	36,821
Virginia Polytechnic Institute and State U.	57	598,113	30,263	6,047	221,029	12,051	22,452	6,359	13,608	0	261,707	24,597
U. Georgia	58	570,956	5,970	25,512	343,271	6,927	11,502	30,072	38,671	7,940	27,420	73,671
Case Western Reserve U.	59	553,740	5,998	812	462,781	709	5,407	1,840	11,687	183	59,900	4,423
Oregon Health and Science U.	60	517,742	0	0	502,768	0	14	0	0	0	14,960	0
Princeton U.	61	513,365	29,801	33,668	128,054	16,810	109,961	6,305	83,793	0	87,035	17,938
U. Miami	62	509,951	3,156	61,748	398,810	1,693	7,163	18,271	2,075	302	8,034	8,699
U. Kentucky	63	504,005	5,019	3,438	381,193	1,448	8,370	6,526	6,340	14,176	62,529	14,966
Colorado State U., Fort Collins	64	498,073	4,521	59,772	313,226	3,310	19,169	3,362	13,333	14,204	52,539	14,637
Uniformed Services U. of the Health Sciences	65	496,441	0	0	448,540	0	0	47,901	0	0	0	0

TABLE 23

## Higher education R&amp;D expenditures, ranked by all R&amp;D expenditures, by R&amp;D field: FY 2023

(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
Scripps Research Institute	66	494,946	0	0	494,946	0	0	0	0	0	0	0
U. Illinois, Chicago	67	492,936	12,543	1,331	347,162	5,823	28,674	4,041	11,499	12,958	46,820	22,085
California Institute of Technology	68	490,672	13,730	47,263	102,066	794	235,054	1,117	3,213	13,285	73,871	279
Carnegie Mellon U.	69	484,757	220,946	1,549	16,878	16,604	27,237	10,187	12,649	5,575	155,436	17,696
U. Rochester	70	481,227	3,544	3,103	304,786	396	124,977	6,934	1,167	10,533	22,767	3,020
Virginia Commonwealth U.	71	479,930	8,058	180	320,557	839	5,346	12,123	7,273	0	29,609	95,945
SUNY, U. Buffalo	72	471,569	20,464	6,700	263,888	2,886	15,320	5,809	4,321	2,708	123,383	26,090
U. Kansas	73	466,222	6,179	15,975	258,443	751	19,261	11,333	2,220	12,013	25,610	114,437
U. Missouri, Columbia	74	462,435	6,644	1,728	309,601	1,583	57,534	6,593	3,972	2,570	24,365	47,845
U. South Florida	75	461,390	18,841	24,544	232,123	2,902	10,460	7,605	33,891	1,490	62,025	67,509
U. Oklahoma, Norman and Health Science Center	76	436,964	9,628	83,345	174,395	2,621	21,859	5,725	17,870	0	58,746	62,775
U. Delaware	77	428,128	12,538	26,658	89,502	6,401	56,483	12,376	26,345	11,966	161,894	23,965
Iowa State U.	78	420,823	6,326	5,103	172,991	19,968	31,219	3,350	8,107	435	140,782	32,542
Florida State U.	79	414,463	10,374	20,511	75,107	8,048	78,948	19,078	25,182	6,239	67,635	103,341
Utah State U.	80	401,437	4,436	2,460	66,338	1,009	6,477	5,720	1,734	0	308,386	4,877
U. Connecticut	81	390,165	6,946	11,951	222,563	2,934	15,372	30,889	9,126	3,119	72,672	14,593
Rockefeller U.	82	385,168	8,060	151	369,447	1,396	6,114	0	0	0	0	0
Louisiana State U., Baton Rouge	83	384,268	10,527	41,171	181,370	8,112	36,946	1,077	5,824	12,114	63,779	23,348
Washington State U.	84	378,744	8,664	10,521	220,515	383	27,495	4,278	11,439	3,404	47,254	44,791
U. Texas Health Science Center, Houston	85	374,105	0	0	374,105	0	0	0	0	0	0	0
Dartmouth C. and Dartmouth Hitchcock Medical Center	86	366,856	18,309	9,202	179,246	10,328	24,630	15,408	22,605	3,097	41,232	42,799
Wichita State U.	87	366,848	0	162	7,402	758	2,802	1,138	1,530	0	336,096	16,960
George Washington U.	88	360,260	9,922	1,115	186,518	1,737	8,736	5,528	38,480	11,498	29,442	67,284
Brown U.	89	353,591	19,235	13,244	176,938	16,873	18,064	10,682	41,238	12,212	27,640	17,465
Auburn U., Auburn	90	349,273	6,337	5,277	147,192	4,229	19,616	3,763	4,507	3,879	108,344	46,129
Medical C. Wisconsin	91	346,691	0	0	338,863	0	0	0	0	0	7,828	0
U. Tennessee, Knoxville	92	338,847	8,009	3,939	110,556	3,447	25,471	4,134	10,761	22,268	116,222	34,040
Oregon State U.	93	337,985	5,346	57,207	175,883	1,358	7,604	1,398	7,579	3,718	71,532	6,360
Georgetown U.	94	337,006	18,504	0	198,724	2,853	13,835	2,003	45,315	3,033	0	52,739
Albert Einstein C. of Medicine	95	336,238	0	0	336,238	0	0	0	0	0	0	0
Medical U. South Carolina	96	333,826	0	0	333,826	0	0	0	0	0	0	0
U. Notre Dame	97	331,943	23,170	0	35,232	5,775	59,388	6,586	16,096	17,065	113,853	54,778
U. Massachusetts, Medical School	98	326,731	0	0	326,731	0	0	0	0	0	0	0

TABLE 23

## Higher education R&amp;D expenditures, ranked by all R&amp;D expenditures, by R&amp;D field: FY 2023

(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
SUNY, Stony Brook U.	99	324,531	15,550	39,762	136,089	7,442	49,245	5,969	2,869	20,112	40,873	6,620
Mississippi State U.	100	319,684	11,570	16,521	145,647	1,979	13,806	2,421	25,913	3,289	78,080	20,458
U. New Mexico	101	316,026	4,816	7,551	204,109	1,012	11,065	7,440	13,113	8,015	51,318	7,587
U. Hawaii, Manoa	102	313,143	22,818	88,512	133,335	593	25,554	603	2,906	5,914	29,058	3,850
Wake Forest U.	103	308,972	629	0	291,310	716	2,331	704	3,798	0	1,499	7,985
Florida International U.	104	306,434	22,726	29,061	71,169	3,628	31,704	41,054	21,873	3,554	56,199	25,466
U. California, Santa Barbara	105	305,483	23,101	38,926	13,211	1,759	68,503	4,387	11,052	18,612	111,017	14,915
Temple U.	106	292,029	5,498	1,323	227,767	1,004	15,792	11,114	3,521	844	8,815	16,351
Northeastern U.	107	288,558	28,375	5,205	46,459	1,443	33,512	12,014	11,463	0	119,529	30,558
Woods Hole Oceanographic Institution	108	287,825	0	194,513	0	0	0	0	0	0	93,312	0
Clemson U.	109	286,503	9,428	0	81,964	2,131	12,096	3,826	7,532	0	103,188	66,338
SUNY, Polytechnic Institute	110	284,677	18	0	2,369	0	0	0	0	0	282,110	180
U. Texas Health Science Center, San Antonio	111	281,078	0	0	281,078	0	0	0	0	0	0	0
U. Massachusetts, Amherst	112	268,657	30,057	4,835	79,726	3,383	27,580	9,888	8,461	880	82,841	21,006
U. South Carolina, Columbia	113	262,207	4,491	9,266	108,934	4,385	5,158	13,699	21,393	8	47,155	47,718
Tulane U.	114	258,439	1,712	7,662	209,699	977	5,633	2,938	6,522	0	6,779	16,517
Thomas Jefferson U.	115	258,345	0	0	258,291	0	0	0	0	0	33	21
Rice U.	116	255,115	12,530	6,249	19,778	7,338	43,704	5,420	24,172	627	129,719	5,578
George Mason U.	117	252,239	22,076	17,068	37,589	2,657	7,098	4,323	73,092	100	61,036	27,200
Wayne State U.	118	250,911	3,578	182	182,874	717	23,226	3,539	1,775	8,448	13,718	12,854
Tufts U.	119	247,276	4,526	2,008	138,203	4,607	10,498	6,701	17,786	18,361	34,614	9,972
U. Central Florida	120	247,259	30,129	6,932	39,523	2,971	45,916	9,837	8,249	6,424	68,340	28,938
West Virginia U.	121	246,173	2,155	5,036	153,092	448	16,296	1,929	4,192	1,552	50,052	11,421
Texas Tech U.	122	240,107	5,472	11,667	74,439	4,501	15,057	8,343	13,213	0	53,564	53,851
Georgia State U.	123	237,493	6,583	1,883	84,391	2,428	19,102	12,584	37,953	0	0	72,569
U. Vermont	124	233,806	3,361	4,650	167,760	2,319	3,944	4,830	9,950	2,642	18,270	16,080
U. Texas Medical Branch	125	233,192	0	0	225,795	0	0	0	0	0	7,397	0
U. Houston	126	231,942	9,325	12,509	46,297	7,605	27,682	19,682	4,721	1,101	67,684	35,336
Montana State U., Bozeman	127	229,682	3,175	6,124	81,492	2,828	27,448	956	1,903	14,374	67,024	24,358
U. Dayton	128	228,723	23,693	743	1,695	98	385	180	121	0	198,049	3,759
Oklahoma State U., Stillwater	129	226,498	3,598	4,254	92,203	4,680	9,993	7,181	10,445	11,514	44,510	38,120
U. Louisiana, Lafayette	130	225,924	27,922	4,887	98,792	3,236	4,358	95	4,916	1,479	35,532	44,707
U. New Hampshire	131	223,683	1,505	99,189	54,290	1,738	5,689	1,110	17,256	0	29,519	13,387

TABLE 23

## Higher education R&amp;D expenditures, ranked by all R&amp;D expenditures, by R&amp;D field: FY 2023

(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. Arkansas, Fayetteville	132	221,525	7,865	2,987	96,316	896	19,209	2,080	7,479	5,694	49,645	29,354
U. Louisville	133	220,568	91	65	171,778	519	3,003	3,767	1,653	583	24,702	14,407
U. Alaska, Fairbanks	134	218,041	222	111,890	38,729	338	13,507	3	4,498	16,108	31,211	1,535
Kansas State U.	135	217,992	3,858	299	129,457	3,353	12,230	4,857	10,652	8,279	30,352	14,655
U. California, Riverside	136	214,802	7,414	12,654	108,803	2,694	18,535	6,971	10,057	2,877	36,650	8,147
U. Arkansas for Medical Sciences	137	209,409	0	0	209,409	0	0	0	0	0	0	0
U. California, Santa Cruz	138	203,883	8,695	39,967	34,549	605	43,696	1,226	7,665	680	57,256	9,544
North Dakota State U.	139	190,330	3,422	472	122,001	970	11,009	2,750	8,600	5,117	25,034	10,955
U. Maine	140	188,690	2,517	27,518	46,999	718	7,816	742	2,212	16,590	72,340	11,238
U. Nevada, Reno	141	188,505	4,617	19,059	77,346	1,408	11,696	5,242	6,324	3,437	41,198	18,178
U. Alabama, Tuscaloosa	142	184,880	18,813	16,822	23,853	2,918	11,124	5,690	13,350	264	51,029	41,017
Syracuse U.	143	183,850	7,300	3,549	18,677	2,855	20,189	3,515	15,676	1,381	24,796	85,912
U. North Dakota	144	182,195	4,136	7,444	36,939	444	7,486	4,993	1,725	156	105,141	13,731
U. Mississippi	145	172,176	1,418	2,219	106,290	1,042	13,565	1,918	4,488	718	11,818	28,700
Drexel U.	146	169,583	6,621	0	94,232	617	3,102	4,336	1,739	1,662	44,002	13,272
U. Oregon	147	164,500	6,807	8,392	63,107	1,828	18,110	22,362	5,585	1,817	5,844	30,648
U. Alabama, Huntsville	148	163,428	47,962	24,941	3,100	775	19,243	405	1,910	0	55,164	9,928
New Jersey Institute of Technology	149	161,078	12,638	0	24,332	5,475	18,434	0	625	277	90,849	8,448
U. Texas, San Antonio	150	158,453	22,722	4,765	31,428	1,782	12,226	3,133	12,152	1,929	25,584	42,732
San Diego State U.	151	158,013	2,902	2,911	46,665	4,198	10,039	23,094	7,749	8,999	16,138	35,318
U. Wyoming	152	150,124	1,958	21,692	57,427	1,816	3,585	907	5,624	23,805	23,084	10,226
U. Texas, Arlington	153	147,265	9,165	1,228	23,340	3,317	20,371	2,416	150	0	64,548	22,730
U. Texas, Dallas	154	146,779	10,213	973	39,684	1,616	17,707	4,915	2,513	28	55,368	13,762
U. Texas, El Paso	155	145,724	8,443	4,729	35,325	2,552	12,207	6,453	4,319	3,722	45,627	22,347
U. Maryland, Baltimore County	156	144,262	17,976	34,435	14,790	2,353	25,604	3,086	20,411	3,001	10,631	11,975
U. Rhode Island	157	144,013	2,484	61,366	36,874	57	6,026	3,779	4,447	4,195	14,637	10,148
SUNY, Binghamton U.	158	141,685	7,948	1,540	15,773	3,122	16,702	10,713	20,938	0	45,755	19,194
SUNY, U. Albany	159	141,671	6,022	15,430	55,543	2,531	12,431	4,133	16,605	0	4,562	24,414
Texas State U.	160	141,291	5,633	7,467	20,212	3,465	6,776	329	10,760	4,272	11,165	71,212
Augusta U.	161	139,121	896	0	134,668	136	187	177	94	0	0	2,963
Brigham Young U., Provo	162	137,748	7,241	1,351	27,160	5,651	10,717	2,863	9,403	67	26,923	46,372
U. Idaho	163	135,901	5,340	5,351	93,469	812	3,021	364	3,845	3,262	13,229	7,208
U. Montana, Missoula	164	133,958	1,971	5,945	81,610	1,003	9,031	710	22,266	0	0	11,422

TABLE 23

## Higher education R&amp;D expenditures, ranked by all R&amp;D expenditures, by R&amp;D field: FY 2023

(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
Rush U.	165	132,394	0	0	128,200	0	0	4,194	0	0	0	0
U. Tennessee, Health Science Center	166	130,472	4	0	128,251	0	0	0	0	1,175	683	359
New Mexico State U.	167	126,337	5,075	4,514	55,765	170	12,826	312	701	4,087	40,884	2,003
Rensselaer Polytechnic Institute	168	121,706	13,075	1,961	8,077	3,783	12,723	3,870	1,412	0	66,158	10,647
New Mexico Institute of Mining and Technology	169	118,735	14,923	16,521	558	157	7,124	464	0	0	76,286	2,702
Cold Spring Harbor Laboratory	170	117,483	0	0	117,483	0	0	0	0	0	0	0
U. Massachusetts, Lowell	171	117,336	8,478	1,436	17,363	1,434	19,076	1,435	7,826	0	51,877	8,411
U. North Texas, Denton	172	106,665	12,171	538	16,228	1,879	9,854	3,758	4,801	0	27,249	30,187
Colorado School of Mines	173	104,297	3,677	13,053	1,960	969	18,977	46	1,088	345	61,175	3,007
Michigan Technological U.	174	103,819	8,624	16,557	11,201	2,076	4,747	826	1,343	974	54,177	3,294
Brandeis U.	175	103,653	2,955	0	32,578	2,203	17,131	5,142	25,241	1,038	5,918	11,447
Touro U., New York	176	100,547	0	0	100,542	0	0	0	0	0	0	5
U. Memphis	177	100,042	8,935	4,386	10,618	510	3,870	7,084	10,088	7,492	14,577	32,482
U. Nevada, Las Vegas	178	98,751	2,120	5,803	36,005	2,558	11,407	2,027	7,566	910	13,866	16,489
U. North Texas, Health Science Center	179	94,652	0	0	93,494	0	0	0	1,158	0	0	0
U. North Carolina, Charlotte	180	92,027	11,068	2,523	11,443	2,704	7,278	1,960	7,825	0	23,417	23,809
Cleveland State U.	181	87,941	0	0	52,377	901	1,610	769	7,143	0	15,061	10,080
Indiana U.-Purdue U., Indianapolis	182	87,648	6,191	1,598	27,536	601	3,382	3,439	18,507	2,959	9,390	14,045
Saint Louis U.	183	85,921	1,566	7,307	56,051	222	4,726	281	2,485	0	3,187	10,096
Howard U.	184	84,756	7,235	0	48,554	369	7,016	1,976	1,671	0	11,221	6,714
San Jose State U.	185	83,406	570	16,140	6,431	1,522	5,800	16,798	4,400	0	9,496	22,249
U. Texas Rio Grande Valley	186	82,444	2,540	2,766	37,668	3,845	5,214	1,268	4,897	63	11,028	13,155
Baylor U.	187	82,074	2,063	4,243	13,879	1,604	11,399	5,848	3,585	4,335	11,454	23,664
William & Mary	188	81,815	3,779	43,485	4,618	382	7,096	202	11,684	377	0	10,192
Boston C.	189	81,425	1,408	9,394	11,638	1,377	13,121	4,748	11,542	0	592	27,605
Van Andel Research Institute	190	80,748	0	0	80,748	0	0	0	0	0	0	0
Florida Atlantic U.	191	77,593	4,999	890	35,633	1,112	3,509	2,749	1,089	0	17,629	9,983
Northern Arizona U.	192	77,533	4,797	5,518	48,110	34	7,952	196	520	1,472	5,880	3,054
Naval Postgraduate School	193	77,364	9,987	11,189	529	2,375	4,107	365	8,103	7,577	27,413	5,719
American U.	194	76,041	733	1,082	1,584	1,501	4,853	1,266	18,962	5,880	0	40,180
U. Southern Mississippi	195	75,034	311	28,664	10,616	0	12,954	17	2,151	0	10,921	9,400
Rochester Institute of Technology	196	72,405	12,888	0	2,005	2,542	15,762	538	3,259	0	28,126	7,285
South Dakota State U.	197	71,340	49	1,193	55,010	691	2,892	324	1,426	0	8,819	936

TABLE 23

## Higher education R&amp;D expenditures, ranked by all R&amp;D expenditures, by R&amp;D field: FY 2023

(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
Old Dominion U.	198	71,334	3,127	4,434	13,232	1,043	8,733	1,647	1,887	0	32,001	5,230
U. Massachusetts, Boston	199	70,978	1,944	4,352	12,213	820	3,981	6,030	12,589	564	1,298	27,187
Louisiana State U., Health Sciences Center, New Orleans	200	68,707	0	0	68,707	0	0	0	0	0	0	0
U. Toledo	201	67,656	0	6,117	32,455	55	11,716	359	63	0	11,520	5,371
East Carolina U.	202	67,082	1,095	6,772	43,941	90	2,274	1,788	1,476	0	3,013	6,633
Worcester Polytechnic Institute	203	66,353	10,974	0	3,170	3,402	4,748	0	1,824	0	37,920	4,315
Florida A&M U.	204	65,159	220	5,377	31,768	33	2,201	120	467	0	9,530	15,443
U. California, Office of the President	205	63,629	0	0	54,407	0	8,957	0	0	0	0	265
CUNY, City C.	206	63,159	358	1,627	8,800	358	10,061	1,297	76	4	21,627	18,951
North Carolina A&T State U.	207	62,307	1,884	0	22,995	1,149	3,306	95	111	2,056	20,925	9,786
U. California, Merced	208	62,279	1,864	3,811	10,265	1,650	6,930	365	4,460	4,708	21,052	7,174
Missouri U. of Science and Technology	209	61,496	2,948	0	1,359	230	3,747	310	14	886	51,351	651
U. Puerto Rico, Medical Sciences Campus	210	61,235	0	250	60,985	0	0	0	0	0	0	0
U. Wisconsin-Milwaukee	211	60,712	399	9,007	10,761	198	9,286	5,341	5,609	3,244	9,725	7,142
Stevens Institute of Technology	212	60,685	4,997	0	157	464	2,841	0	193	0	50,295	1,738
Ohio U.	213	59,877	290	2,475	20,740	18	6,865	3,242	1,855	0	16,193	8,199
Southern Methodist U.	214	59,749	518	5,716	3,187	2,199	9,217	1,872	2,227	3,765	8,535	22,513
Kent State U.	215	58,984	2,228	1,472	11,557	1,591	10,220	5,320	6,091	1,908	1,904	16,693
Southern Illinois U., Carbondale	216	58,291	893	2,121	38,745	133	2,547	1,348	3,644	1,618	3,183	4,059
Morehouse School of Medicine	217	57,125	0	0	57,125	0	0	0	0	0	0	0
Air Force Institute of Technology	218	56,848	9,028	1,271	0	375	8,942	0	0	0	37,232	0
Lehigh U.	219	56,301	2,725	1,439	8,884	489	5,588	739	602	39	32,406	3,390
U. Missouri, Kansas City	220	54,565	1,344	388	27,493	0	1,556	714	508	1,640	16,959	3,963
CUNY, Graduate Center	221	54,089	1,079	881	3,725	1,564	2,993	5,510	14,400	354	206	23,377
U. Denver	222	53,484	511	110	7,747	106	2,249	8,183	7,023	84	3,612	23,859
U. Maryland Center for Environmental Science	223	53,233	0	42,880	9,006	0	132	0	318	150	0	747
SUNY, Upstate Medical U.	224	53,219	0	0	53,219	0	0	0	0	0	0	0
U. South Alabama	225	53,182	632	11,611	26,117	584	970	4,059	767	0	7,228	1,214
Boise State U.	226	52,989	3,449	4,255	12,924	646	7,828	324	2,564	973	17,088	2,938
Loyola U., Chicago	227	52,445	973	0	44,733	82	1,796	1,343	1,578	0	151	1,789
Nova Southeastern U.	228	50,173	1,022	12,274	26,746	268	359	2,278	2,439	1,366	108	3,313
Texas Tech U., Health Sciences Center	229	48,638	0	0	47,072	0	0	0	0	0	0	1,566
Marquette U.	230	47,819	1,831	0	17,556	921	2,115	1,335	717	0	12,351	10,993

TABLE 23

## Higher education R&amp;D expenditures, ranked by all R&amp;D expenditures, by R&amp;D field: FY 2023

(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
Rowan U.	231	47,810	606	1,549	11,750	795	3,480	1,934	1,280	139	19,322	6,955
Catholic U. of America	232	47,022	118	0	1,689	202	32,191	1,232	935	0	3,217	7,438
Portland State U.	233	46,324	1,971	2,147	14,371	1,505	1,932	1,554	6,170	53	7,108	9,513
Mercer U.	234	45,247	147	0	8,788	238	1,664	268	115	159	33,284	584
Western Michigan U. and Homer Stryker M.D. School of Medicine	235	45,157	665	3,043	8,797	1,191	1,823	1,580	3,312	108	14,491	10,147
U.S. Air Force Academy	236	44,880	1,285	53	4,130	34	1,679	0	118	1,014	36,441	126
U. North Carolina, Greensboro	237	44,521	1,076	31	13,196	470	5,687	3,445	1,370	18	0	19,228
Morgan State U.	238	43,868	1,109	8,663	10,795	356	3,287	286	1,864	0	10,725	6,783
East Tennessee State U.	239	42,335	0	298	19,166	19	404	44	48	2	87	22,267
U. Massachusetts, Dartmouth	240	42,018	3,116	16,141	3,229	2,210	3,547	38	313	0	11,936	1,488
Chapman U.	241	41,791	851	364	17,909	0	2,106	1,096	3,528	0	2,041	13,896
U. West Florida	242	40,454	7,321	9	3,187	22	1,719	339	3,209	40	1,322	23,286
Georgia Southern U.	243	40,026	1,032	884	7,695	1,542	6,163	1,027	4,880	50	4,200	12,553
Texas A&M U.-Corpus Christi	244	39,305	982	15,556	4,745	126	1,643	9	1,030	1,336	9,507	4,371
Montclair State U.	245	38,209	1,332	2,352	5,509	1,684	2,520	6,448	4,747	0	402	13,215
Oakland U.	246	37,263	4,406	0	11,634	63	10,708	456	68	0	9,138	790
CUNY, Hunter C.	247	37,172	1,805	1,258	10,272	262	5,712	8,218	1,537	0	0	8,108
California Polytechnic State U., San Luis Obispo	248	35,830	186	1,768	10,928	2,996	5,010	21	463	0	9,181	5,277
Louisiana State U., Health Sciences Center, Shreveport	249	35,624	0	0	35,624	0	0	0	0	0	0	0
SUNY, Downstate Health Sciences U.	250	35,600	0	0	35,600	0	0	0	0	0	0	0
San Francisco State U.	251	34,466	2,172	3,055	14,372	1,155	2,867	1,912	3,053	1,561	1,967	2,352
Teachers C., Columbia U.	252	34,183	2,791	0	6,595	0	0	2,232	22,332	0	0	233
Marshall U.	253	33,693	284	456	21,925	44	1,501	0	81	0	5,227	4,175
Delaware State U.	254	33,499	1,071	1,451	20,808	803	5,666	473	787	1,296	419	725
Illinois Institute of Technology	255	33,021	3,514	94	12,293	412	3,038	0	14	158	13,311	187
Illinois State U.	256	32,961	353	620	5,174	255	2,138	54	1,093	0	0	23,274
SUNY, C. of Environmental Science and Forestry	257	32,682	314	1,743	22,461	3	2,106	2,535	61	0	2,095	1,364
Kennesaw State U.	258	32,497	4,916	0	7,045	876	323	15	426	0	3,445	15,451
U. Texas Health Science Center, Tyler	259	32,077	0	0	32,077	0	0	0	0	0	0	0
Louisiana Tech U.	260	31,676	2,582	0	3,732	969	2,519	184	604	0	15,078	6,008
Villanova U.	261	31,513	430	952	4,709	163	3,239	1,128	1,737	0	11,370	7,785
U. Nebraska, Omaha	262	30,841	5,913	177	7,248	652	556	221	3,291	9,208	1,782	1,793
Desert Research Institute	263	30,716	0	27,742	2,974	0	0	0	0	0	0	0



TABLE 23

## Higher education R&amp;D expenditures, ranked by all R&amp;D expenditures, by R&amp;D field: FY 2023

(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 Dakota	264	29,855	334	0	17,382	236	4,481	1,711	1,083	224	1,153	3,251
Rutgers, State U. New Jersey, Newark	265	29,787	1,107	3,154	11,575	0	4,188	1,638	3,265	171	0	4,689
U. Puerto Rico, Rio Piedras	266	29,202	783	2,644	3,451	157	5,852	76	1,443	3,953	2,930	7,913
Northern Illinois U.	267	29,134	1,297	1,540	2,809	114	6,765	893	5,104	0	4,565	6,047
Creighton U.	268	28,443	1,196	0	21,496	309	2,097	348	1,209	0	0	1,788
Miami U.	269	28,430	750	768	7,968	636	4,186	2,246	1,166	0	4,562	6,148
Tennessee State U.	270	28,246	1,412	0	16,921	0	369	152	0	0	3,026	6,366
California State U., Sacramento	271	28,027	212	850	1,182	112	630	176	2,511	6,623	11,433	4,298
Embry-Riddle Aeronautical U.	272	27,451	2,014	2,085	636	681	6,884	0	135	0	13,774	1,242
CUNY, Graduate School of Public Health and Health Policy	273	26,651	0	0	25,876	0	0	775	0	0	0	0
Texas A&M U.-Kingsville	274	26,401	784	215	18,205	0	265	72	24	255	5,130	1,451
Wright State U.	275	26,189	5,443	474	13,117	75	715	1,371	0	95	4,819	80
California State U., Fullerton	276	25,811	1,299	902	5,538	887	2,331	918	2,253	1,397	1,355	8,931
Tuskegee U.	277	25,625	923	0	18,189	616	2,141	0	5	472	3,262	17
U. Minnesota, Duluth	278	25,534	257	621	20,530	248	619	473	326	0	1,878	582
CUNY, Queens C.	279	25,492	442	680	16,586	380	2,163	2,523	1,325	617	0	776
Clarkson U.	280	25,399	780	170	1,725	830	4,148	87	514	0	14,568	2,577
Central Michigan U.	281	25,363	50	933	18,284	46	2,004	201	173	1,932	377	1,363
Florida Gulf Coast U.	282	24,899	3	3,744	2,748	77	376	50	285	0	221	17,395
U. Tulsa	283	24,845	4,897	137	1,499	4	961	859	553	0	10,991	4,944
Texas Christian U.	284	24,050	84	980	3,632	483	3,625	1,474	10	5,239	95	8,428
Eastern Virginia Medical School	285	23,991	0	0	23,991	0	0	0	0	0	0	0
Fordham U.	286	23,832	393	60	1,566	396	1,226	3,003	1,619	0	0	15,569
Tarleton State U.	287	23,345	282	2,037	10,879	211	409	537	962	2,370	857	4,801
U. North Florida	288	23,269	861	9	2,718	27	1,544	1,744	1,011	0	4,313	11,042
Albany Medical C.	289	23,259	0	0	23,259	0	0	0	0	0	0	0
California State U., Northridge	290	23,093	329	1,969	7,147	480	8,180	676	597	242	2,209	1,264
CUNY, John Jay C. of Criminal Justice	291	22,967	6	0	419	342	723	2,412	2,511	83	0	16,471
New School	292	22,680	41	239	1,440	0	0	1,040	7,393	2,576	3,565	6,386
U. Colorado Denver	293	22,530	573	893	5,291	1,613	1,924	1,218	432	16	4,511	6,059
U. Guam	294	22,388	0	7,715	13,548	160	266	0	126	0	0	573
Loma Linda U.	295	22,262	0	0	20,844	0	0	1,413	0	0	0	5
Meharry Medical C.	296	22,002	508	0	21,494	0	0	0	0	0	0	0

TABLE 23

## Higher education R&amp;D expenditures, ranked by all R&amp;D expenditures, by R&amp;D field: FY 2023

(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	297	21,927	129	321	12,048	0	955	104	212	361	6,427	1,370
U. North Carolina, Wilmington	298	21,879	1,169	7,843	7,597	53	1,317	272	1,321	384	1,317	606
Prairie View A&M U.	299	21,791	671	2	10,328	40	1,545	5	431	4	5,101	3,664
U. Akron	300	21,525	132	261	1,185	78	9,555	435	131	150	8,851	747
California State U., Long Beach	301	21,458	542	514	7,345	534	2,993	2,056	1,113	365	3,160	2,836
California State U., East Bay	302	21,312	136	671	2,537	180	999	418	936	0	155	15,280
James Madison U.	303	21,265	1,156	1,073	4,300	301	2,525	985	673	31	576	9,645
Tennessee Technological U.	304	20,797	3,548	51	4,713	0	682	189	68	1	9,802	1,743
Bowling Green State U.	305	20,726	456	2,062	4,114	163	1,994	885	4,328	110	189	6,425
U.S. Military Academy	306	20,493	4,064	144	167	2,073	408	192	5,737	0	7,462	246
U. New Orleans	307	20,396	2,579	947	1,181	642	2,094	1,034	1,908	523	2,509	6,979
South Dakota School of Mines and Technology	308	20,337	325	0	0	95	4,365	0	0	0	15,552	0
U. of the Virgin Islands	309	20,259	267	8,729	8,130	679	1,130	0	534	0	790	0
U. Alaska, Anchorage	310	19,850	165	2,790	9,605	0	505	0	2,384	1,440	1,878	1,083
Charles R. Drew U. of Medicine and Science	311	19,551	0	0	19,551	0	0	0	0	0	0	0
Jackson State U.	312	19,457	383	0	6,183	128	7,333	167	559	618	3,214	872
Alcorn State U.	313	19,141	0	0	11,432	0	0	0	6,360	0	1,349	0
California State Polytechnic U., Humboldt	314	18,800	39	1,264	6,526	32	1,038	4	2,072	735	5,920	1,170
North Carolina Central U.	315	18,477	i 157	i 261	i 7,115	i 0	i 5,524	i 0	i 357	i 293	i 2,317	i 2,453
Montana Technological U.	316	18,375	49	11,289	803	0	83	0	0	0	6,151	0
Idaho State U.	317	17,548	1,596	1,893	5,984	70	1,225	43	183	826	5,435	293
CUNY, Advanced Science Research Center	318	17,309	0	570	5,548	0	9,285	0	0	0	1,871	35
Towson U.	319	17,198	2,485	508	3,100	899	1,576	923	2,217	114	0	5,376
New York Medical C.	320	17,113	0	0	17,113	0	0	0	0	0	0	0
Florida Institute of Technology	321	16,859	3,416	3,062	1,682	210	2,408	819	0	0	5,021	241
Long Island U.	322	16,612	234	59	9,621	226	1,015	1,131	681	0	0	3,645
Texas Southern U.	323	16,287	100	0	11,092	125	1,823	661	1,096	0	75	1,315
Western Washington U.	324	15,874	482	3,008	864	536	3,100	904	1,173	1,765	884	3,158
Alabama A&M U.	325	15,588	557	i 0	i 9,197	i 118	i 1,143	i 310	i 447	i 0	i 3,018	i 798
Fort Valley State U.	326	15,536	0	70	15,331	17	118	0	0	0	0	0
Xavier U. Louisiana	327	15,519	540	0	7,030	0	7,701	0	91	0	135	22
Duquesne U.	328	14,989	0	236	10,506	83	726	83	253	0	187	2,915
U. Tennessee, Chattanooga	329	14,671	684	4	1,055	608	662	395	208	4,516	4,138	2,401

TABLE 23

## Higher education R&amp;D expenditures, ranked by all R&amp;D expenditures, by R&amp;D field: FY 2023

(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
Missouri State U.	330	14,654	0	228	1,438	0	164	71	120	0	12,633	0
Salisbury U.	331	14,557	357	2,719	1,962	133	396	39	532	36	3	8,380
U. Hawaii, system office	332	14,172	574	13,598	0	0	0	0	0	0	0	0
Loyola Marymount U.	333	14,086	98	13	1,620	0	252	1,992	2,507	334	0	7,270
U. Puerto Rico, Mayaguez	334	13,989	333	1,976	368	51	2,339	0	177	0	7,401	1,344
Virginia State U.	335	13,504	102	45	8,961	36	144	323	16	1	2,110	1,766
DePaul U.	336	13,267	1,399	456	3,609	168	16	267	544	0	106	6,702
Texas Tech U., Health Sciences Center, El Paso	337	13,189	0	0	11,829	0	0	0	0	0	0	1,360
California State U., San Bernardino	338	13,152	1,228	239	1,559	462	3,067	3,229	349	208	1,108	1,703
Northeast Ohio Medical U.	339	13,116	0	137	12,577	0	0	0	290	91	0	21
U. San Diego	340	12,902	0	190	541	2,125	1,758	166	1,150	0	608	6,364
U. Missouri, Saint Louis	341	12,808	225	28	5,767	135	1,336	680	2,250	195	38	2,154
Midwestern U.	342	12,725	0	0	12,725	0	0	0	0	0	0	0
Oklahoma State U., Center for Health Sciences	343	12,500	107	0	9,376	0	0	2,998	0	0	0	19
Sam Houston State U.	344	11,760	109	86	1,829	455	467	208	4,784	0	109	3,713
Ball State U.	345	11,650	56	0	5,898	100	1,277	446	570	0	32	3,271
Rosalind Franklin U. of Medicine and Science	346	11,629	0	0	11,116	0	0	513	0	0	0	0
Kentucky State U.	347	11,591	13	0	11,578	0	0	0	0	0	0	0
Clark U.	348	11,539	326	1,430	3,733	15	1,435	613	3,741	0	0	246
California State U., San Marcos	349	11,443	640	229	2,102	52	1,109	894	140	4,551	937	789
California State U., Fresno	350	11,411	219	221	6,128	909	1,295	186	401	0	1,450	602
Central State U.	351	11,123	0	163	10,270	59	352	0	0	124	155	0
U.S. Naval Academy	352	10,920	1,179	439	0	1,044	2,148	0	262	0	5,848	0
U. Michigan, Dearborn	353	10,839	8	0	270	416	515	319	193	112	8,414	592
Wesleyan U.	354	10,828	0	963	1,998	659	2,538	1,193	250	85	0	3,142
U. Maryland, Eastern Shore	355	10,730	0	3,388	7,264	0	15	0	0	0	63	0
California State Polytechnic U., Pomona	356	10,722	432	4	4,204	106	1,453	19	93	50	1,673	2,688
Pacific U.	357	10,719	0	0	6,401	0	49	73	125	0	0	4,071
California State U., Monterey Bay	358	10,678	1,294	3,299	5,232	204	349	0	148	0	23	129
Pepperdine U.	359	10,632	5	0	2,953	217	139	939	2,794	117	0	3,468
Langston U.	360	10,505	0	0	9,676	27	110	518	0	0	0	174
Clark Atlanta U.	361	10,320	113	0	5,873	845	3,168	0	0	0	114	207
West Texas A&M U.	362	10,302	363	322	7,434	1	247	0	0	290	1,075	570

TABLE 23

## Higher education R&amp;D expenditures, ranked by all R&amp;D expenditures, by R&amp;D field: FY 2023

(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., Los Angeles	363	10,186	499	236	1,272	10	4,354	249	648	0	2,149	769
Kean U.	364	10,062	1,801	129	1,463	187	502	281	1,843	70	1	3,785
Gallaudet U.	365	9,894	2,868	36	3,261	102	308	521	2,028	0	0	770
Hampton U.	366	9,769	409	1,880	1,745	490	3,898	0	139	0	837	371
U. San Francisco	367	9,633	233	272	1,782	145	1,183	772	398	13	4	4,831
Middle Tennessee State U.	368	9,577	737	178	2,229	314	1,412	100	1,492	0	196	2,919
Rutgers, State U. New Jersey, Camden	369	9,527	3,577	0	363	2	229	44	3,541	0	0	1,771
Western Kentucky U.	370	9,298	13	963	3,615	52	1,717	1,087	396	0	615	840
Lamar U.	371	9,168	420	6	488	0	546	0	241	0	6,659	808
U. Northern Colorado	372	9,064	88	602	1,925	371	374	875	985	0	0	3,844
Bryn Mawr C.	373	9,039	368	337	1,141	541	1,094	479	1,716	0	0	3,363
Western U. of Health Sciences	374	8,929	0	0	4,946	0	0	0	0	0	0	3,983
U. Arkansas, Little Rock	375	8,685	2,804	0	1,821	0	452	0	85	0	2,063	1,460
Saint Joseph's U.	376	8,675	361	0	5,186	9	906	331	222	0	0	1,660
Winston-Salem State U.	377	8,668	746	0	2,928	43	551	195	264	0	0	3,941
Yeshiva U.	378	8,661	453	0	4,003	1,542	419	0	0	204	0	2,040
CUNY, Brooklyn C.	379	8,535	203	1,023	1,067	242	2,680	1,693	162	0	0	1,465
Appalachian State U.	380	8,479	536	986	4,134	72	971	130	296	0	266	1,088
Eastern Michigan U.	381	8,363	47	157	3,091	272	446	230	1,039	10	534	2,537
Lincoln U., Jefferson City	382	8,196	0	996	6,626	0	0	0	237	336	0	1
Abilene Christian U.	383	8,182	0	0	179	9	7,716	14	8	0	15	241
Hofstra U.	384	8,162	68	239	2,155	368	401	381	370	0	642	3,538
Amherst C.	385	8,152	312	845	1,485	994	1,728	333	833	524	0	1,098
U. Hawaii, Hilo	386	8,112	286	1,981	4,929	6	268	0	337	291	0	14
Southern Connecticut State U.	387	8,007	196	372	1,275	14	893	319	462	381	0	4,095
U. of the District of Columbia	388	7,945	351	146	107	227	7	284	50	145	3,342	3,286
U. Central Oklahoma	389	7,870	265	0	3,778	118	637	148	379	0	1,032	1,513
South Carolina State U.	390	7,814	1,025	278	3,360	0	541	0	619	0	924	1,067
U. Arkansas, Pine Bluff	391	7,766	0	0	6,081	0	726	0	0	477	0	482
Southern U. and A&M C., Agricultural Research and Extension Center	392	7,764	0	0	7,764	0	0	0	0	0	0	0
Pennsylvania State U., Behrend	393	7,614	1	1,466	2,704	46	773	183	2	0	1,892	547
Edward Via C. of Osteopathic Medicine	394	7,597	0	0	7,597	0	0	0	0	0	0	0
Grinnell C.	394	7,597	735	0	1,082	299	1,361	28	1,281	0	0	2,811

TABLE 23

## Higher education R&amp;D expenditures, ranked by all R&amp;D expenditures, by R&amp;D field: FY 2023

(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
Purdue U., Northwest	396	7,504	510	0	1,035	0	302	10	0	261	3,078	2,308
Philadelphia C. of Osteopathic Medicine	397	7,459	0	0	7,459	0	0	0	0	0	0	0
MGH Institute of Health Professions	398	7,426	0	0	6,200	0	0	0	0	0	0	1,226
Arkansas State U., Jonesboro	399	7,323	120	0	5,853	0	342	41	193	0	660	114
Claremont Graduate U.	400	7,262	56	0	25	253	0	186	2,178	0	0	4,564
C. Charleston	401	7,231	421	2,157	1,677	109	768	63	429	0	583	1,024
Seton Hall U.	402	7,068	350	0	2,862	75	2,375	0	10	0	0	1,396
Texas A&M U.-Commerce	403	7,029	449	0	2,368	213	1,116	279	204	0	113	2,287
U. Colorado Colorado Springs	404	7,012	2,705	227	566	86	377	325	310	0	1,144	1,272
Claremont McKenna C.	405	6,925	166	4	239	178	191	496	5,165	44	0	442
Texas Woman's U.	406	6,922	43	0	4,253	166	286	1,450	412	10	0	302
Hope C.	407	6,910	49	43	2,289	56	1,652	110	390	0	493	1,828
U. North Carolina, Asheville	408	6,761	278	212	2,138	0	894	0	253	282	2	2,702
U. New England	409	6,756	0	440	6,282	2	15	0	1	0	0	16
Reed C.	410	6,750	i 172	i 0	i 2,991	i 155	i 978	i 271	i 587	i 0	i 0	i 1,596
U. Baltimore	411	6,615	353	0	0	0	14	75	3,062	0	0	3,111
Williams C.	412	6,448	i 137	i 384	i 2,592	i 119	i 768	i 235	i 606	i 0	i 0	i 1,607
California State U., Bakersfield	413	6,409	0	194	661	1,353	202	23	446	0	711	2,819
Barnard C.	414	6,320	327	236	1,571	0	1,588	1,277	756	0	0	565
Wellesley C.	414	6,320	208	420	1,171	644	879	636	923	14	50	1,375
U. Washington, Tacoma	416	6,243	117	3,991	541	182	0	0	100	208	328	776
Grand Valley State U.	417	6,231	108	2,990	1,401	75	339	74	592	0	239	413
Norfolk State U.	418	6,194	444	0	326	123	1,074	0	323	0	2,218	1,686
Northwest Indian C.	419	6,184	i 0	i 64	i 539	i 0	i 0	i 0	i 0	i 0	i 243	i 5,338
West Chester U. Pennsylvania	420	6,132	39	65	1,053	132	857	605	751	0	51	2,579
Azusa Pacific U.	421	6,097	119	0	2,795	49	256	1,021	35	0	21	1,801
Roseman U. of Health Sciences	422	6,065	0	0	6,065	0	0	0	0	0	0	0
Indiana U. Pennsylvania	423	6,052	246	178	1,909	1	204	555	380	138	0	2,441
U.S. Army War C.	424	6,035	i 0	i 0	i 0	i 0	i 0	i 0	i 6,035	i 0	i 0	i 0
California State U., Chico	425	5,984	3	485	2,734	25	396	0	110	0	1,465	766
Smith C.	426	5,954	659	128	2,023	455	517	357	283	74	567	891
High Tech High Graduate School of Ed.	427	5,939	0	0	0	0	0	0	0	0	0	5,939
U. Southern Maine	428	5,930	1,792	169	647	35	0	0	2,703	82	301	201



TABLE 23

## Higher education R&amp;D expenditures, ranked by all R&amp;D expenditures, by R&amp;D field: FY 2023

(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
Lawrence Technological U.	461	4,632	0	0	0	127	57	0	0	0	816	3,632
Sonoma State U.	462	4,625	0	2,019	744	724	145	68	134	84	67	640
U. Wisconsin-Stevens Point	463	4,589	2	529	3,851	0	125	0	0	0	82	0
U. Northern Iowa	464	4,564	0	210	446	5	877	0	2,785	13	0	228
Colby C.	465	4,454	73	101	2,502	127	456	119	568	0	0	508
SUNY, C. of Optometry	466	4,423	0	0	4,423	0	0	0	0	0	0	0
U. of Health Sciences and Pharmacy in St. Louis	467	4,343	0	0	4,284	0	59	0	0	0	0	0
CUNY, system office	468	4,296	18	0	179	0	0	3	0	1,705	413	1,978
Carleton C.	469	4,185	299	1,775	265	260	390	309	491	0	1	395
Alfred U.	470	4,154	0	1	0	0	8	69	0	0	4,076	0
Pomona C.	471	4,149	224	328	500	433	1,040	315	923	0	0	386
Franklin and Marshall C.	472	4,111	42	514	672	68	920	237	424	0	0	1,234
Trinity C., Hartford	473	4,099	160	0	749	226	271	314	817	0	71	1,491
Haverford C.	474	4,088	114	92	1,556	97	1,183	326	200	0	0	520
CUNY, Baruch C.	475	4,084	0	269	807	682	347	175	169	9	0	1,626
Keck Graduate Institute	476	4,059	0	0	3,930	0	0	0	0	0	129	0
Pace U.	477	4,056	1,067	0	667	0	106	152	19	0	684	1,361
California State U., Channel Islands	478	3,992	149	82	1,854	536	357	7	197	609	0	201
St. John's U., New York	479	3,955	222	0	2,577	0	380	539	0	0	0	237
Austin Peay State U.	480	3,950	0	716	2,220	0	96	21	178	0	9	710
Seattle U.	481	3,949	67	10	676	104	327	162	415	0	282	1,906
Des Moines U.	482	3,932	0	12	3,560	0	0	0	246	0	0	114
Western Illinois U.	483	3,824	0	0	2,533	0	106	0	208	0	717	260
Northern Kentucky U.	484	3,790	52	0	1,864	155	505	674	182	5	0	353
Troy U.	485	3,785	0	133	373	0	2,538	12	24	0	47	658
Citadel Military C. South Carolina	486	3,757	2,419	35	65	18	122	25	11	0	491	571
Chicago State U.	487	3,756	8	0	1,984	0	1,534	0	230	0	0	0
Central Washington U.	488	3,683	384	2,043	464	209	267	0	226	0	56	34
Harvey Mudd C.	489	3,682	585	0	524	405	1,130	0	0	215	774	49
U. Nebraska, Kearney	490	3,681	111	0	1,862	3	832	61	64	0	0	748
Stephen F. Austin State U.	491	3,661	27	132	2,028	382	60	2	163	16	0	851
U. New Haven	492	3,602	992	132	404	1	131	231	1,453	0	120	138
Fayetteville State U.	493	3,569	524	0	872	0	183	0	173	47	141	1,629

TABLE 23

## Higher education R&amp;D expenditures, ranked by all R&amp;D expenditures, by R&amp;D field: FY 2023

(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
Christopher Newport U.	494	3,507	0	0	628	159	1,394	77	134	0	541	574
U. Texas, Tyler	495	3,487	25	119	1,957	87	122	59	57	0	812	249
New Mexico Highlands U.	496	3,468	1,095	151	1,803	242	12	151	0	0	0	14
Roger Williams U.	497	3,465	5	883	1,157	0	224	84	0	52	202	858
Fort Lewis C.	498	3,372	24	35	1,054	0	725	0	0	0	628	906
Bowdoin C.	499	3,339	125	490	1,258	103	654	53	126	0	0	530
Milwaukee School of Engineering	500	3,317	82	0	431	0	0	0	0	0	2,790	14
Hamilton C.	501	3,285	110	270	190	16	606	62	514	0	0	1,517
Youngstown State U.	502	3,244	76	104	155	133	122	49	45	0	2,553	7
Alabama State U.	503	3,229	255	0	2,579	141	0	0	0	0	14	240
Murray State U.	504	3,193	0	614	1,908	166	481	0	0	0	0	24
Winthrop U.	505	3,189	97	0	308	62	378	0	138	0	0	2,206
Saginaw Valley State U.	506	3,143	i 289	i 0	i 2,025	i 0	i 0	i 1	i 222	i 0	i 0	i 606
U. Central Arkansas	507	3,092	154	75	1,219	7	399	0	25	0	221	992
U. Richmond	508	3,058	0	135	1,051	56	563	322	121	0	0	810
Minnesota State U., Mankato	509	3,055	143	168	702	58	46	304	124	0	1,166	344
Dine C.	510	3,054	0	0	2,551	0	0	0	0	0	147	356
Marian U., Indianapolis	511	3,009	0	0	1,774	43	33	0	9	569	0	581
Pittsburg State U.	512	2,979	0	0	430	0	39	0	49	0	2,461	0
Middlebury C.	513	2,975	229	585	827	35	598	125	343	0	0	233
East Stroudsburg U. Pennsylvania	514	2,928	9	0	2,082	0	0	0	9	0	0	828
Davidson C.	515	2,926	114	0	709	298	605	506	400	0	0	294
U. Wisconsin-La Crosse	516	2,921	60	39	729	21	322	21	1,359	10	0	360
Hawaii Pacific U.	517	2,913	140	574	2,196	0	0	0	0	0	0	3
St. Cloud State U.	518	2,901	25	8	387	0	12	4	401	0	54	2,010
Touro U., California	519	2,877	0	0	2,877	0	0	0	0	0	0	0
Southeastern Louisiana U.	520	2,858	266	0	1,357	0	427	0	30	0	140	638
CUNY, New York City C. of Technology	521	2,819	241	0	162	220	585	0	24	0	806	781
Purdue U., Fort Wayne	522	2,804	0	0	438	458	99	151	231	229	192	1,006
U. Wisconsin-Green Bay	523	2,801	82	i 121	i 1,590	i 21	i 166	i 45	i 97	i 0	i 484	i 195
U. Wisconsin-River Falls	524	2,772	0	0	2,125	0	373	0	0	0	42	232
U. Texas of the Permian Basin	525	2,769	0	161	593	7	51	62	271	0	416	1,208
Lewis and Clark C.	526	2,686	24	171	647	21	214	0	101	0	0	1,508



TABLE 23

## Higher education R&amp;D expenditures, ranked by all R&amp;D expenditures, by R&amp;D field: FY 2023

(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
Tougaloo C.	527	2,663 i	106 i	2 i	1,368 i	105 i	610 i	127 i	70 i	2 i	2 i	271 i
Morehead State U.	528	2,658	0	0	389	0	0	123	5	0	2,141	0
C. New Jersey	529	2,641	214	0	1,107	66	529	25	209	150	278	63
SUNY, Buffalo State U.	530	2,636	53	1,276	945	192	47	18	72	0	0	33
Bowie State U.	531	2,612	892	0	1,002	14	0	0	69	0	0	635
Marymount U.	532	2,601	427	0	790	39	32	180	287	0	111	735
Vassar C.	533	2,596	48	223	798	185	450	373	349	0	0	170
Albany C. of Pharmacy and Health Sciences	534	2,594 i	0 i	0 i	2,594 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i
SUNY, Cobleskill	535	2,566	0	0	140	0	0	0	0	0	2,301	125
Calvin U.	536	2,555	25 i	30 i	523 i	63 i	536 i	2 i	35 i	0 i	134 i	1,207 i
Eastern Washington U.	537	2,546	0	37	454	1	86	87	1,810	0	71	0
Lake Superior State U.	538	2,545	0	0	2,477	0	25	0	0	0	43	0
Elon U.	539	2,544	42	0	457	109	116	212	297	56	30	1,225
Western Carolina U.	540	2,543	0	484	822	72	56	0	182	0	395	532
Mount Holyoke C.	541	2,533	118	119	618	191	347	377	257	0	0	506
Monmouth U.	542	2,517	38	1,838	337	0	32	0	168	0	0	104
U. Illinois, Springfield	543	2,508	0	0	3	0	0	64	930	21	0	1,490
Colorado C.	544	2,498	77	164	263	142	283	69	703	0	0	797
La Sierra U.	545	2,496 i	0 i	0 i	8 i	0 i	1 i	82 i	0 i	0 i	0 i	2,405 i
National Defense U.	546	2,494	143	0	400	0	0	0	1,951	0	0	0
New England C. of Optometry	547	2,491	0	0	2,491	0	0	0	0	0	0	0
Franklin W. Olin C. of Engineering	548	2,450	0	0	0	0	0	0	0	0	2,312	138
Erikson Institute	549	2,414	0	0	0	0	0	0	0	0	0	2,414
Wheaton C., Wheaton	550	2,403	0	217	430	0	119	542	825	0	0	270
Stockton U.	551	2,386	0	964	313	0	0	0	1,109	0	0	0
Skidmore C.	552	2,384	0	394	825	19	456	324	214	0	0	152
Hobart and William Smith Colleges	553	2,373	16	300	1,653	15	211	2	40	19	0	117
Virginia Military Institute	554	2,350	1,805	0	88	46	108	0	29	0	147	127
Benedict C.	555	2,307	189	0	354	187	149	0	0	0	1,428	0
California State U., Stanislaus	556	2,305	125	2	813	281	203	364	441	0	0	76
Dillard U.	557	2,296	0	33	1,498	14	163	0	1	198	85	304
U. of St. Thomas (MN)	558	2,280	2	5	143	1	338	336	13	0	1,145	297
Furman U.	559	2,267	12	172	574	0	1,250	173	12	0	0	74

TABLE 23

## Higher education R&amp;D expenditures, ranked by all R&amp;D expenditures, by R&amp;D field: FY 2023

(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
Northeastern Illinois U.	560	2,262	481	44	1,271	0	0	0	11	0	0	455
Black Hills State U.	561	2,260	421	0	1,400	0	120	2	0	0	0	317
Florida Polytechnic U.	561	2,260	486	0	0	30	7	0	75	0	1,404	258
U. South Carolina, Aiken	563	2,250	3	124	784	13	165	24	1	0	126	1,010
U. of the Incarnate Word	564	2,245	10	6	1,324	0	349	0	0	0	289	267
C. Wooster	565	2,209	789	176	224	123	524	12	168	0	0	193
U. Louisiana, Monroe	566	2,203	0	127	1,682	0	195	0	169	0	0	30
U. Wisconsin-Eau Claire	567	2,191	0	302	139	22	1,160	327	175	0	0	66
U. Ana G. Mendez, Gurabo	568	2,132	0	0	0	0	0	0	0	0	0	2,132
U. Houston-Clear Lake	569	2,127	57	0	1,369	0	206	103	56	5	184	147
Bates C.	570	2,118	221	118	1,378	11	175	60	73	0	0	82
U. Wisconsin-Oshkosh	571	2,087	10	28	810	0	196	10	129	0	157	747
U. Puerto Rico, Humacao	572	2,074	0	105	117	0	1,852	0	0	0	0	0
Northwestern State U. Louisiana	573	2,057	i 147	i 0	i 204	i 26	i 0	i 8	i 978	i 0	i 9	i 685
Utah Valley U.	574	2,015	115	96	256	159	563	0	0	152	668	6
Lafayette C.	575	1,991	117	80	197	118	445	76	164	0	581	213
U. of the Pacific	576	1,972	87	221	1,448	0	88	0	0	0	128	0
U. Houston-Downtown	577	1,967	367	30	245	35	110	41	0	0	79	1,060
SUNY, Geneseo	578	1,958	0	55	286	7	1,176	149	39	0	0	246
Babson C.	579	1,957	0	i 0	i 2	i 55	i 0	i 0	i 470	i 0	i 0	i 1,430
Lipscomb U.	580	1,946	0	0	360	0	6	0	0	0	153	1,427
Macalester C.	581	1,935	48	238	352	96	682	8	251	0	0	260
Albany State U.	582	1,932	57	0	158	60	111	0	169	188	1,177	12
Ferris State U.	583	1,915	0	0	1,411	252	179	0	0	9	0	64
Liberty U.	584	1,900	369	0	728	0	0	0	0	0	588	215
Union C., Schenectady	585	1,881	53	344	108	75	383	41	127	14	519	217
SUNY, C. Brockport	586	1,877	12	0	1,444	0	310	0	81	0	0	30
Northern Michigan U.	587	1,871	30	100	1,080	35	15	149	70	0	0	392
Alaska Pacific U.	588	1,823	0	1,735	7	0	0	0	0	0	0	81
U. Alaska, Southeast	589	1,822	0	372	566	0	66	0	86	541	92	99
Marshall B. Ketchum U.	590	1,777	i 0	i 0	i 1,777	i 0	i 0	i 0	i 0	i 0	i 0	i 0
Nevada State C.	591	1,744	0	59	995	0	0	286	0	0	0	404
Palmer C. of Chiropractic, Davenport	592	1,725	0	0	1,725	0	0	0	0	0	0	0

TABLE 23

## Higher education R&amp;D expenditures, ranked by all R&amp;D expenditures, by R&amp;D field: FY 2023

(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.	593	1,724	7	0	486	86	158	6	14	0	0	967
St. Olaf C.	593	1,724	129	111	908	71	196	42	90	0	0	177
SUNY, C. Plattsburgh	595	1,722	0	1,078	292	0	331	0	21	0	0	0
CUNY, York C.	596	1,711	0	518	430	356	188	91	0	0	0	128
Savannah State U.	597	1,706	0	522	318	0	85	0	74	205	502	0
U. North Georgia	598	1,643	149	132	77	21	218	5	131	0	0	910
Elizabeth City State U.	599	1,641	386	0	495	0	0	3	116	0	0	641
Lincoln Memorial U.	599	1,641	0	0	1,622	0	0	0	0	0	0	19
Norwich U.	601	1,637	0	77	301	178	200	350	1	196	124	210
Colorado State U., Pueblo	602	1,624	158	0	1,395	0	0	0	63	0	8	0
U. Puget Sound	603	1,613	3	65	1,166	3	127	0	64	69	0	116
Johnson C. Smith U.	604	1,602	43	308	98	0	0	0	0	0	0	1,153
SUNY, Oswego	605	1,595	26	332	188	5	315	142	76	251	150	110
Indiana U., South Bend	606	1,593	5	0	141	0	392	177	34	324	0	520
Texas A&M U.-San Antonio	606	1,593	117	38	409	29	0	91	87	53	34	735
Bentley U.	608	1,589	8	138	947	0	0	0	47	0	72	377
Whitman C.	609	1,568	17	221	311	0	656	93	94	0	0	176
Merrimack C.	610	1,560	0	0	1,338	16	36	0	59	0	16	95
Pratt Institute	611	1,558	0	0	0	0	0	0	0	0	0	1,558
Willamette U.	612	1,542	4	197	243	8	227	69	0	70	0	724
U. Hartford	613	1,533	15	0	115	48	32	33	174	0	1,067	49
U. Puerto Rico, Cayey	614	1,519	0	0	81	0	248	0	237	953	0	0
Hartford International U. for Religion and Peace	615	1,485	0	0	0	0	0	0	0	0	0	1,485
Fairfield U.	616	1,484	92	6	131	118	76	92	64	47	225	633
U. Wisconsin-Platteville	617	1,481	48	0	665	25	107	25	121	17	223	250
Saint John's U.	618	1,479	26	0	618	17	142	49	164	0	0	463
U. South Carolina, Beaufort	619	1,466	558	289	292	15	0	0	3	0	135	174
Biola U.	620	1,461	0	0	163	0	0	665	0	0	0	633
West Virginia School of Osteopathic Medicine	621	1,459	0	0	1,457	0	0	0	0	0	0	2
Eastern Connecticut State U.	622	1,449	65	30	83	117	7	158	34	3	0	952
Eastern Kentucky U.	623	1,446	0	0	458	0	598	8	63	0	69	250
Northland C.	624	1,442	0	102	818	50	0	82	99	0	0	291
Connecticut C.	625	1,440	66	0	518	0	144	189	35	0	0	488

TABLE 23

## Higher education R&amp;D expenditures, ranked by all R&amp;D expenditures, by R&amp;D field: FY 2023

(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
Robert Morris U.	626	1,419	210	0	48	13	7	23	20	0	612	486
Clafin U.	627	1,418	306	53	562	0	340	0	94	0	63	0
Oberlin C.	628	1,408	122	88	351	49	467	62	44	28	0	197
C. of Saint Benedict	629	1,400 i	26 i	0 i	592 i	18 i	142 i	47 i	150 i	0 i	0 i	425 i
Butler U.	630	1,396	0	0	821	4	406	11	28	0	0	126
United Tribes Technical C.	631	1,387	61	0	666	0	0	0	0	0	444	216
U. Hawaii, Maui C.	632	1,376	186	313	521	0	61	0	0	0	0	295
Kenyon C.	633	1,371	0	0	694	69	523	5	34	0	0	46
National U. of Natural Medicine	634	1,336	0	0	1,336	0	0	0	0	0	0	0
St. Edward's U.	635	1,334	20	304	680	35	70	60	140	25	0	0
Indiana State U.	636	1,327	0	137	461	0	16	0	0	0	59	654
Arcadia U.	637	1,321	0	0	43	0	0	0	0	0	0	1,278
Radford U.	638	1,315	71	14	255	0	0	9	203	235	0	528
Andrews U.	639	1,255	1	21	65	28	380	0	144	0	48	568
Heidelberg U.	640	1,254	0	1,254	0	0	0	0	0	0	0	0
Manhattan C.	641	1,250	0	0	114	260	79	0	221	0	447	129
U. Virginia's C. Wise	642	1,223	223	6	180	76	18	0	40	0	0	680
Pennsylvania State U., Altoona	643	1,215	0	0	609	39	77	0	3	0	425	62
U. Scranton	644	1,169	35	561	251	0	100	8	8	0	4	202
Ursinus C.	645	1,150	12	0	665	120	344	3	6	0	0	0
U. of Mary Washington	646	1,115	71	25	213	2	63	33	38	0	0	670
Western New England U.	646	1,115	76	0	318	35	0	0	0	0	686	0
Gettysburg C.	648	1,099	4	0	274	0	228	24	393	0	0	176
New C. Florida	649	1,080	99	21	720	43	40	14	38	0	32	73
Southern U., New Orleans	650	1,004	0	0	536	0	0	0	0	0	0	468
Gustavus Adolphus C.	651	969	0	124	64	13	598	8	14	0	0	148
Central Connecticut State U.	652	934	27	10	95	40	82	21	219	0	172	268
Canisius U.	653	905	0	0	0	0	108	0	0	797	0	0
Ithaca C.	654	861	72	154	76	87	277	6	44	0	0	145
Rhode Island C.	655	839	98	0	358	0	326	57	0	0	0	0
Framingham State U.	656	735	0	0	710	0	5	0	13	0	0	7
U.S. Coast Guard Academy	657	689	108	20	0	7	62	0	207	0	133	152
U. Puerto Rico, Ponce	658	659	0	0	401	69	9	0	0	0	0	180

TABLE 23

**Higher education R&D expenditures, ranked by all R&D expenditures, by R&D field: FY 2023**

(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
Lincoln U.	659	628	96	0	232	0	14	0	0	0	0	286
Bryant U.	660	558	3	7	353	82	0	0	12	0	0	101
William Paterson U.	661	533	32	114	121	1	1	79	18	0	0	167
Grambling State U.	662	449	112	16	118	0	0	101	0	0	0	102
Albion C.	663	276	0	73	0	0	203	0	0	0	0	0
St. Mary's C. Maryland	664	205	0	158	0	0	22	0	0	0	13	12

i = imputed.

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

<sup>a</sup> Johns Hopkins University includes the Applied Physics Laboratory, with \$2,333,049 thousand in total R&D expenditures in FY 2023.<sup>b</sup> 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.<sup>c</sup> The University of Nebraska, Lincoln and Medical Center includes expenditures from the University of Nebraska, Lincoln; University of Nebraska, Medical Center; and University of Nebraska, Central Administration campuses. Due to a realignment within the University of Nebraska system that occurred on 22 June 2023, the three campuses fall under the leadership of one president. Prior to FY 2023, these three campuses reported to the survey as separate institutions.**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 2022. Institutions reporting less than \$1 million in total R&D expenditures in 2022 completed a shorter version of the survey form in FY 2023, 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 2023.