

TABLE 29

Higher education R&D expenditures funded by businesses, 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	-	5,701,656	164,698	90,513	3,840,001	12,774	176,315	16,385	43,081	32,785	1,184,067	141,037
U. Texas M. D. Anderson Cancer Center	1	241,850	0	0	240,608	171	981	7	83	0	0	0
Duke U.	2	208,132	253	121	200,158	141	374	0	869	0	3,355	2,861
U. Pennsylvania	3	204,216	951	0	197,407	0	1,461	323	880	0	2,936	258
SUNY, Polytechnic Institute	4	169,101	0	0	0	0	0	0	0	0	169,101	0
Massachusetts Institute of Technology	5	165,200	26,525	3,573	10,759	979	20,834	0	3,284	9,786	67,752	21,708
Ohio State U.	6	141,894	831	26	83,362	0	2,087	46	694	318	53,919	611
Stanford U.	7	138,118	4,547	4,738	104,302	232	6,572	204	645	0	16,224	654
U. California, San Francisco	8	128,983	0	0	123,953	0	5,030	0	0	0	0	0
Washington U., Saint Louis	9	121,140	74	0	119,110	0	187	4	0	0	47	1,718
Wichita State U.	10	120,443	0	0	127	0	68	0	0	0	116,336	3,912
Johns Hopkins U. ^a	11	120,023	788	586	103,776	261	2,649	0	242	492	10,572	657
U. California, San Diego	12	106,189	127	15,290	78,581	44	701	1,948	256	229	8,835	178
U. Michigan, Ann Arbor	13	106,122	69	0	73,487	118	2,359	0	171	0	29,179	739
U. Southern California	14	91,844	884	0	86,445	0	1,265	12	724	0	1,947	567
U. California, Los Angeles	15	87,218	1,936	222	75,392	79	966	349	270	1,244	5,485	1,275
Columbia U. in the City of New York	16	83,684	2,504	1,055	75,761	0	237	126	255	0	3,422	324
Vanderbilt U. and Vanderbilt U. Medical Center	17	83,213	283	76	78,967	0	556	80	175	0	2,135	941
Georgia Institute of Technology	18	82,540	13,420	304	6,909	0	1,014	69	673	0	59,672	479
Icahn School of Medicine at Mount Sinai	19	81,384	0	0	81,384	0	0	0	0	0	0	0
U. Texas, Austin	20	76,512	2,516	8,722	12,284	682	2,079	11	1,350	34	38,637	10,197
Yale U.	21	76,240	226	0	73,845	0	530	0	6	0	1,633	0
U. Louisiana, Lafayette	22	74,657	5,319	1,222	52,686	832	510	0	61	0	7,649	6,378
U. Alabama, Birmingham	23	73,595	0	1	72,373	0	508	29	0	0	684	0
Purdue U., West Lafayette	24	69,428	2,015	76	10,998	139	8,798	18	404	83	41,426	5,471
U. California, Berkeley	25	69,062	194	46	14,112	88	8,841	172	2,446	6,461	34,783	1,919
Emory U.	26	64,536	355	72	63,490	43	198	0	0	0	378	0
Harvard U.	27	62,034	788	1,972	45,390	17	7,771	0	1,090	72	4,137	797
U. Washington, Seattle	28	61,099	1,154	70	50,376	66	731	5	40	0	8,426	231
Northwestern U.	29	59,850	1,307	0	50,263	0	1,166	0	378	1,876	4,462	398
New York U.	30	58,776	1,135	0	50,177	2,181	83	838	55	0	2,807	1,500
Cornell U.	31	55,328	1,392	0	46,260	0	748	586	138	0	2,643	3,561
North Carolina State U.	32	52,960	763	1,227	22,636	563	496	465	1,322	996	20,645	3,847

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Higher education R&D expenditures funded by businesses, 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. Colorado Anschutz Medical Campus ^b	33	52,346	0	0	52,114	0	0	48	56	0	127	1
U. Minnesota, Twin Cities	34	51,926	660	1	44,410	217	1,111	239	636	61	3,696	895
U. California, Davis	35	50,684	255	551	40,823	0	1,321	0	519	0	6,889	326
U. North Carolina, Chapel Hill	36	49,664	780	282	46,217	0	1,627	69	28	0	661	0
U. Illinois, Urbana-Champaign	37	49,272	15,048	329	9,065	32	2,992	405	15	4	19,976	1,406
U. Texas Southwestern Medical Center	38	47,282	0	0	47,282	0	0	0	0	0	0	0
U. Chicago	39	46,694	286	0	44,067	22	663	0	0	0	1,583	73
U. Cincinnati	40	45,002	12	2	39,727	0	160	0	209	530	3,996	366
Rutgers, State U. New Jersey, New Brunswick	41	44,250	1,274	1,176	34,330	4	4,273	197	1	7	2,326	662
Oregon Health and Science U.	42	43,965	0	0	43,413	0	0	0	0	0	552	0
U. Utah	43	43,073	764	709	37,418	108	617	851	139	0	2,386	81
U. California, Irvine	44	42,941	490	67	34,615	0	1,608	156	732	126	5,108	39
Carnegie Mellon U.	45	42,115	31,989	0	270	72	205	99	331	5	8,312	832
U. Wisconsin-Madison	46	40,450	936	400	30,949	0	2,259	18	170	2,033	3,480	205
U. Florida	47	39,233	252	34	32,532	0	737	363	56	0	5,209	50
Virginia Polytechnic Institute and State U.	48	37,005	188	0	4,979	588	650	167	61	0	28,971	1,401
U. Rochester	49	36,329	197	0	31,348	0	1,960	0	0	912	1,912	0
U. Pittsburgh, Pittsburgh	50	36,310	142	166	33,960	0	0	0	0	0	2,022	20
Texas A&M U., College Station and Health Science Center	51	35,535	872	1,235	6,567	10	1,637	0	105	263	19,944	4,902
U. Miami	52	35,378	2	316	34,601	0	0	0	306	0	153	0
Scripps Research Institute	53	35,318	0	0	35,318	0	0	0	0	0	0	0
Medical C. Wisconsin	54	35,121	0	0	35,121	0	0	0	0	0	0	0
U. Maryland ^c	55	34,844	989	446	27,392	0	1,266	0	1,053	108	2,982	608
Indiana U., Bloomington	56	34,091	634	92	31,742	0	1,239	12	59	53	218	42
U. Virginia, Charlottesville	57	32,511	652	0	26,854	0	422	41	78	17	4,031	416
U. Iowa	58	32,201	0	0	28,290	0	109	0	205	0	2,958	639
SUNY, U. Buffalo	59	29,723	330	8	13,779	0	148	0	0	0	15,432	26
U. Kansas	60	29,384	167	47	26,965	0	237	0	1	12	1,938	17
Baylor C. of Medicine	61	28,251	0	0	28,251	0	0	0	0	0	0	0
U. Arizona	62	27,911	75	1,136	17,958	2	2,998	46	96	20	5,307	273
Thomas Jefferson U.	63	26,469	0	0	26,469	0	0	0	0	0	0	0
Temple U.	64	26,463	0	0	24,585	0	259	9	0	0	1,483	127
Pennsylvania State U., University Park and Hershey Medical Center	65	24,121	977	666	11,498	276	1,748	34	214	0	8,242	466

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Higher education R&D expenditures funded by businesses, 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
Boston U.	66	22,525	1,811	0	16,734	7	329	167	73	0	3,254	150
Wake Forest U.	67	22,212	0	0	18,256	0	0	0	1,281	0	20	2,655
Arizona State U.	68	21,980	1,445	100	3,762	2	105	525	537	1,959	12,858	687
Medical U. South Carolina	69	20,932	0	0	20,932	0	0	0	0	0	0	0
U. Massachusetts, Medical School	70	20,870	0	0	20,870	0	0	0	0	0	0	0
U. Nebraska, Lincoln	71	19,767	49	8	13,407	20	977	0	23	155	4,755	373
Iowa State U.	72	18,924	52	16	11,426	491	219	0	3	0	6,447	270
Clemson U.	73	17,690	276	0	2,626	27	570	148	130	0	8,931	4,982
U. Missouri, Columbia	74	17,608	106	23	15,755	16	266	8	0	0	1,354	80
Princeton U.	75	17,455	2,962	2,562	1,629	322	3,297	3	957	0	5,714	9
California Institute of Technology	76	17,200	655	618	1,368	0	7,036	0	0	0	7,430	93
U. California, Santa Barbara	77	16,324	913	3,674	1,109	0	5,419	151	156	0	4,902	0
U. Notre Dame	78	16,225	732	0	543	0	456	0	29	7	13,102	1,356
Virginia Commonwealth U.	79	16,124	2	10	14,656	0	129	0	56	0	895	376
Georgetown U.	80	16,111	0	0	15,287	8	122	0	229	0	0	465
Rush U.	81	15,789	0	0	15,789	0	0	0	0	0	0	0
U. Texas Health Science Center, Houston	82	15,764	0	0	15,764	0	0	0	0	0	0	0
U. Oklahoma, Norman and Health Science Center	83	15,450	211	635	12,744	0	33	0	0	0	1,827	0
Rensselaer Polytechnic Institute	84	15,282	5,339	0	430	1,144	1,720	373	0	0	6,046	230
U. North Dakota	85	13,559	16	65	144	0	4	0	26	0	13,304	0
Louisiana State U., Baton Rouge	86	13,449	144	829	8,366	11	519	118	204	17	2,619	622
Texas Tech U.	87	13,367	189	668	4,812	123	267	603	1,319	0	3,017	2,369
U. Georgia	88	12,775	30	430	10,191	0	46	109	226	0	1,661	82
Tufts U.	89	12,765	140	5	8,116	52	20	0	663	277	3,156	336
U. South Florida ^d	90	12,463	1	31	11,416	0	76	63	47	0	780	49
Northeastern U.	91	12,107	500	14	4,456	0	2,961	344	36	0	3,635	161
U. Illinois, Chicago	92	11,917	361	0	10,465	2	0	0	110	0	729	250
U. Louisville	93	11,915	23	0	10,504	0	389	0	0	0	993	6
Colorado State U., Fort Collins	94	11,888	9	610	8,029	212	932	0	67	77	1,952	0
U. Connecticut	95	11,371	465	71	5,295	419	125	532	133	0	4,125	206
U. Colorado Boulder	96	11,316	466	868	828	102	897	0	0	6	7,948	201
U. Central Florida	97	11,278	1,845	610	477	136	4,611	42	166	0	3,260	131
Oklahoma State U., Stillwater	98	11,236	0	8	7,734	0	128	4	671	1	2,195	495

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U. Arkansas for Medical Sciences	99	11,022	0	0	11,022	0	0	0	0	0	0	0
Tulane U.	100	10,974	0	30	10,707	0	141	0	0	0	96	0
Michigan State U.	101	10,942	449	17	5,337	77	580	1	0	876	2,927	678
U. Kentucky	102	10,715	112	128	8,937	5	0	94	13	0	1,386	40
U. New Hampshire	103	9,893	0	1,465	643	18	5	0	15	0	7,591	156
U. Houston	104	9,709	119	875	747	0	792	737	111	0	4,566	1,762
Colorado School of Mines	105	9,580	48	2,107	578	0	219	0	99	0	6,529	0
U. Tennessee, Knoxville	106	9,528	51	0	2,547	94	350	0	61	274	6,060	91
SUNY, Stony Brook U.	107	9,512	394	1,552	5,632	57	235	3	0	577	1,062	0
U. Texas, Dallas	108	9,499	337	161	460	35	358	0	1	0	8,088	59
U. Texas Health Science Center, San Antonio	109	9,276	0	0	9,276	0	0	0	0	0	0	0
Washington State U.	110	9,099	175	28	7,071	5	210	53	25	26	1,226	280
U. Nebraska, Medical Center	111	8,591	0	0	8,591	0	0	0	0	0	0	0
U. Massachusetts, Amherst	112	8,582	3,338	296	1,205	0	20	193	10	0	3,408	112
Syracuse U.	113	8,568	39	147	210	0	55	0	71	0	706	7,340
Auburn U., Auburn	114	8,338	54	11	2,852	0	212	171	0	0	3,093	1,945
Kansas State U.	115	8,259	57	63	5,941	54	1,217	3	21	1	902	0
Oregon State U.	116	8,037	248	0	4,202	0	158	4	0	49	3,376	0
U. California, Santa Cruz	117	7,330	956	462	1,101	0	866	163	776	45	2,888	73
U. Texas Medical Branch	118	7,267	0	0	7,267	0	0	0	0	0	0	0
Southern Illinois U., Carbondale	119	7,169	5	94	6,272	0	28	2	5	84	679	0
George Mason U.	120	6,969	139	218	368	232	7	53	2,040	0	274	3,638
Utah State U.	121	6,871	0	263	1,789	48	360	13	0	0	4,398	0
Michigan Technological U.	122	6,687	100	2,347	0	0	5	0	0	0	4,150	85
Wayne State U.	123	6,556	0	27	4,873	0	568	0	7	53	502	526
U. California, Riverside	124	6,267	331	219	2,817	1	662	0	185	0	2,052	0
U. Tulsa	125	6,130	0	0	0	0	2	72	0	0	6,056	0
SUNY, Upstate Medical U.	126	5,883	0	0	5,883	0	0	0	0	0	0	0
U. Delaware	127	5,839	280	831	850	1	742	0	62	50	2,801	222
U. Texas, San Antonio	128	5,765	392	19	946	0	981	105	606	0	507	2,209
U. Dayton	129	5,620	84	0	0	0	168	0	0	0	5,360	8
Rice U.	130	5,535	463	30	261	77	1,352	56	196	0	3,100	0
Saint Louis U.	131	5,459	49	117	5,238	0	0	0	0	0	0	55

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George Washington U.	132	5,048	0	0	3,868	0	0	0	341	0	357	482
West Virginia U.	133	5,016	0	20	4,507	0	66	1	23	0	382	17
Florida State U.	134	4,914	60	1,336	106	0	511	0	75	10	2,677	139
Abilene Christian U.	135	4,907	0	0	66	0	4,841	0	0	0	0	0
Case Western Reserve U.	136	4,856	65	0	2,440	0	536	0	0	0	1,808	7
U. Arkansas, Fayetteville	137	4,705	77	72	3,095	0	0	17	0	0	1,108	336
U. New Mexico	138	4,625	0	0	3,955	0	0	0	67	0	603	0
Georgia Southern U.	139	4,608	0	60	248	0	3,565	42	133	32	280	248
Missouri U. of Science and Technology	140	4,559	50	0	0	0	93	0	0	0	4,416	0
U. Massachusetts, Lowell	141	4,463	149	74	312	0	576	0	232	0	3,100	20
U. South Carolina, Columbia	142	4,322	142	0	1,719	0	0	0	24	0	2,318	119
Brown U.	143	4,247	343	47	2,265	0	115	0	33	0	1,238	206
U. Wyoming	144	4,099	98	2,973	977	0	0	0	13	0	38	0
Mercer U.	145	4,083	0	0	428	0	0	0	0	0	3,654	1
East Carolina U.	146	3,991	0	28	3,623	0	9	37	0	0	66	228
U. Tennessee, Health Science Center	147	3,958	0	0	3,958	0	0	0	0	0	0	0
Woods Hole Oceanographic Institution	148	3,874	0	3,389	0	0	0	0	0	0	485	0
U. Maine	149	3,848	0	314	1,488	0	1	0	62	0	1,971	12
Albert Einstein C. of Medicine	150	3,820	0	0	3,820	0	0	0	0	0	0	0
Cold Spring Harbor Laboratory	151	3,766	0	0	3,766	0	0	0	0	0	0	0
Ohio U.	152	3,634	50	89	252	0	0	0	2	0	3,231	10
Albany Medical C.	153	3,606	0	0	3,606	0	0	0	0	0	0	0
Brigham Young U., Provo	154	3,577	116	81	637	0	1,003	38	0	0	1,702	0
Loyola U., Chicago	155	3,527	8	0	3,519	0	0	0	0	0	0	0
Cleveland State U.	156	3,481	0	0	3,057	0	0	0	35	0	370	19
SUNY, Binghamton U.	157	3,458	405	0	72	0	309	0	520	0	2,141	11
Augusta U.	158	3,451	0	0	3,451	0	0	0	0	0	0	0
Claremont Graduate U.	159	3,384	0	0	0	0	0	0	0	0	0	3,384
U. Alaska, Fairbanks	160	3,346	0	1,031	340	0	0	0	4	1,176	795	0
U. Toledo	161	3,312	0	6	2,711	0	111	0	2	0	482	0
Worcester Polytechnic Institute	162	3,308	112	0	174	0	58	0	15	0	2,949	0
U. Puerto Rico, Medical Sciences Campus	163	3,228	0	0	3,228	0	0	0	0	0	0	0
Louisiana State U., Health Sciences Center, New Orleans	164	3,193	0	0	3,193	0	0	0	0	0	0	0

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Mississippi State U.	165	3,170	0	63	2,082	0	212	0	3	0	810	0
Baylor U.	166	3,165	134	30	68	0	119	0	0	0	2,282	532
New York Medical C.	167	2,947	0	0	2,947	0	0	0	0	0	0	0
U. Texas, Arlington	168	2,935	164	0	298	0	259	19	0	0	1,662	533
New Mexico Institute of Mining and Technology	169	2,922	0	31	0	17	63	0	0	0	2,811	0
Howard U.	170	2,908	27	0	1,279	0	0	354	375	0	658	215
Florida International U.	171	2,800	145	53	586	0	210	133	226	0	1,434	13
Rochester Institute of Technology	172	2,789	7	0	27	0	790	0	0	0	1,960	5
U. Nevada, Reno	173	2,787	3	77	2,079	0	55	43	0	0	530	0
U. Vermont	174	2,785	0	0	2,366	82	49	0	0	0	288	0
U. Alabama, Tuscaloosa	175	2,701	0	97	25	0	14	0	841	0	1,162	562
U. Mississippi	176	2,696	0	13	2,625	0	48	0	0	0	10	0
U. North Carolina, Charlotte	177	2,689	171	25	236	0	296	52	18	0	1,501	390
Oakland U.	178	2,613	340	0	137	0	881	0	0	0	1,255	0
Stevens Institute of Technology	179	2,608	143	0	29	0	9	0	0	0	2,389	38
Milwaukee School of Engineering	180	2,485	0	0	0	0	0	0	0	0	2,485	0
New Mexico State U.	181	2,451	56	8	1,271	0	187	233	20	288	387	1
Florida Atlantic U.	182	2,431	137	0	2,128	0	50	0	0	0	116	0
Dartmouth C. and Dartmouth Hitchcock Medical Center	183	2,383	128	0	1,567	0	41	0	257	0	390	0
Drexel U.	184	2,323	29	0	1,201	0	0	0	0	0	1,043	50
U. Hawaii, Manoa	185	2,304	44	1,257	622	0	49	0	22	0	310	0
Philadelphia C. of Osteopathic Medicine	186	2,300	0	0	2,300	0	0	0	0	0	0	0
Rockefeller U.	187	2,292	0	0	2,273	0	19	0	0	0	0	0
Saint Joseph's U.	188	2,252	10	0	1,940	0	174	128	0	0	0	0
U. Akron	189	2,102	0	0	170	0	825	90	0	0	998	19
U. Michigan, Dearborn	190	2,070	0	0	0	0	0	0	0	0	2,070	0
Western Michigan U. and Homer Stryker M.D. School of Medicine	191	2,063	0	0	307	0	0	72	1	0	1,683	0
U. Massachusetts, Boston	192	2,043	109	0	77	0	0	109	277	0	122	1,349
Texas Christian U.	193	2,028	2	0	142	0	177	8	10	0	4	1,685
California Polytechnic State U., San Luis Obispo	194	2,008	74	1	553	0	173	0	32	0	1,158	17
U. North Texas, Denton	195	1,979	98	85	810	0	514	90	0	0	365	17
U. Maryland, Baltimore County	196	1,958	799	235	102	0	647	0	0	0	122	53
U. Denver	197	1,937	0	0	13	22	0	0	88	0	1,651	163

TABLE 29

Higher education R&D expenditures funded by businesses, 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
Illinois Institute of Technology	231	948	0	0	199	0	101	0	0	0	613	35
U. Texas Health Science Center, Tyler	232	858	0	0	858	0	0	0	0	0	0	0
Pennsylvania State U., Behrend	233	848	0	0	24	0	403	0	0	0	421	0
Old Dominion U.	234	820	93	33	342	0	95	0	0	0	240	17
Northern Arizona U.	235	813	0	0	352	0	0	0	0	0	348	113
SUNY, C. of Environmental Science and Forestry	236	795	6 i	16 i	680 i	0 i	4 i	57 i	1 i	0 i	25 i	6 i
U. Oregon	237	782	2	28	23	0	0	241	6	0	100	382
U. California, Merced	238	768	0	0	0	0	0	0	0	0	308	460
Marquette U.	239	752	62	0	228	0	0	35	0	0	400	27
South Dakota School of Mines and Technology	240	741	0	0	0	0	10	0	0	0	731	0
SUNY, U. Albany	241	735	0	288	324	23	25	0	63	0	0	12
CUNY, Hunter C.	242	716	0	0	72	0	51	0	0	0	0	593
Louisiana Tech U.	243	713	0	0	42	0	55	0	5	0	611	0
U. Montana, Missoula	244	709	151	127	376	29	26	0	0	0	0	0
U. West Florida	245	683	15	16	43	0	0	0	590	0	0	19
U.S. Air Force Academy	246	680	60	23	0	0	135	0	0	0	460	2
CUNY, Graduate School of Public Health and Health Policy	247	658	0	0	658	0	0	0	0	0	0	0
Boston C.	248	652	30	0	129	0	246	0	131	0	0	116
Kent State U.	249	640	11	0	4	0	332	41	74	46	72	60
Portland State U.	250	636	93	0	60	0	0	0	20	0	421	42
Southern U. and A&M C., Baton Rouge	251	635	0	0	0	0	14	0	0	0	0	621
U. of Health Sciences and Pharmacy in St. Louis	251	635	0	0	635	0	0	0	0	0	0	0
Northern Illinois U.	253	634	42	179	1	0	6	0	2	0	404	0
U. Alabama, Huntsville	254	626	0	108	17	0	150	0	0	0	335	16
Appalachian State U.	255	617	0	0	556	0	0	48	8	0	0	5
Villanova U.	256	605	0	0	0	0	13	0	0	0	583	9
Morgan State U.	257	601	23	0	56	0	83	0	53	0	332	54
St. Cloud State U.	257	601	0	1	61	0	0	0	81	0	25	433
Lehigh U.	259	595	0	0	5	0	9	0	0	0	560	21
U. Colorado Colorado Springs	259	595	107	0	0	0	2	0	0	0	486	0
Rosalind Franklin U. of Medicine and Science	261	593	0	0	593	0	0	0	0	0	0	0
U. North Carolina, Greensboro	261	593	0	0	355	0	129	0	0	0	0	109
Southern Illinois U., Edwardsville	263	577	0	1	1	0	0	0	0	0	575	0

TABLE 29

Higher education R&D expenditures funded by businesses, 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. Southern Mississippi	264	555	0	124	414	0	15	0	0	0	0	2										
Idaho State U.	265	547	19	72	403	0	0	0	0	0	53	0										
Boise State U.	266	536	13	7	137	0	107	0	11	0	261	0										
California State U., Long Beach	267	534	0	0	1	0	68	27	66	0	320	52										
Manhattan C.	268	518	0	0	0	0	0	0	0	0	412	106										
Santa Clara U.	268	518	0	0	0	0	19	0	0	0	475	24										
Texas Tech U., Health Sciences Center	270	508	0	0	502	0	0	0	0	0	0	6										
Georgia State U.	271	502	117	17	98	0	1	90	132	0	0	47										
U. North Texas, Health Science Center	271	502	0	0	502	0	0	0	0	0	0	0										
Sonoran U. Health Sciences	273	500	0	0	500	0	0	0	0	0	0	0										
U. New Orleans	274	483	0	0	0	0	84	0	25	0	264	110										
U.S. Military Academy	275	482	0	0	0	22	0	151	0	0	309	0										
Occidental C.	276	480	i	0	i	268	i	52	i	0	i	94	i	16	i	50	i	0	i	0	i	
Purdue U., Northwest	277	477	8	0	0	0	0	0	0	0	448	21										
Texas Tech U., Health Sciences Center, El Paso	278	475	0	0	475	0	0	0	0	0	0	0										
CUNY, City C.	279	467	43	0	0	0	227	0	0	0	197	0										
Florida Institute of Technology	280	465	70	54	49	0	19	28	0	0	245	0										
California State U., Stanislaus	281	464	0	0	388	0	0	76	0	0	0	0										
San Diego State U.	282	457	0	0	109	0	102	0	0	0	242	4										
U. Colorado Denver ^b	283	453	14	0	0	0	27	300	45	0	54	13										
North Carolina Central U.	284	434	86	1	19	0	85	0	0	88	19	136										
Toyota Technological Institute, Chicago	285	431	431	0	0	0	0	0	0	0	0	0										
American U.	286	428	0	0	0	0	0	0	0	0	0	428										
Chapman U.	287	425	0	0	424	0	0	0	0	0	0	1										
Nova Southeastern U.	288	417	0	11	321	0	0	85	0	0	0	0										
Langston U.	289	416	0	0	372	2	0	4	0	0	0	38										
Monmouth U.	290	407	0	381	18	0	0	0	0	0	0	8										
Wright State U.	290	407	0	0	333	0	2	3	0	0	57	12										
U. Houston-Clear Lake	292	399	0	0	399	0	0	0	0	0	0	0										
Marshall B. Ketchum U.	293	397	i	0	i	397	i	0	i	0	i	0	i									
Texas A&M U.-Kingsville	294	389	0	0	340	0	0	0	0	0	49	0										
Alabama A&M U.	295	386	9	i	0	i	229	i	2	i	19	i	6	i	18	i	0	i	64	i	39	i
U. Minnesota, Duluth	296	382	0	0	282	5	0	0	0	0	95	0										

TABLE 29

Higher education R&D expenditures funded by businesses, 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. Guam	297	375	0	22	353	0	0	0	0	0	0	0
Catholic U. of America	298	370	0	0	0	0	271	0	0	0	0	99
Bucknell U.	299	369	12	0	0	0	0	0	0	0	356	1
California State U., Fresno	300	356	0	0	333	0	0	0	5	0	18	0
U. New Haven	301	352	135	0	21	0	8	0	63	0	125	0
Western U. of Health Sciences	302	351	0	0	333	0	0	0	0	0	0	18
Morehead State U.	303	345	0	0	0	0	0	0	0	0	345	0
Franklin and Marshall C.	304	339	0	0	0	0	0	0	0	30	0	309
U. Missouri, Kansas City	305	338	0	7	280	0	0	0	0	0	51	0
Florida A&M U.	306	334	0	0	314	15	0	0	0	0	5	0
Rutgers, State U. New Jersey, Camden	307	330	60	0	23	0	142	2	83	0	0	20
Prairie View A&M U.	308	327	0	0	72	0	0	0	0	0	255	0
U. of St. Thomas (MN)	308	327	0	0	0	0	37	0	0	0	181	109
CUNY, Advanced Science Research Center	310	324	0	0	0	0	315	0	0	0	9	0
Marshall U.	311	320	0	0	275	0	45	0	0	0	0	0
Hawaii Pacific U.	312	315	0	0	315	0	0	0	0	0	0	0
Naval Postgraduate School	313	313	222	0	0	0	13	0	0	0	78	0
U. Wisconsin-Platteville	314	305	6	0	142	4	18	5	29	4	34	63
Midwestern U.	315	290	0	0	290	0	0	0	0	0	0	0
Montana Technological U.	316	282	0	53	114	0	0	0	0	0	115	0
U. Alaska, Anchorage	316	282	0	136	77	0	0	0	0	0	12	57
Arkansas State U., Jonesboro	318	271	8	0	198	0	28	0	32	0	5	0
California State U., Channel Islands	319	267	0	0	0	0	267	0	0	0	0	0
Alfred U.	320	264	0	0	0	0	0	0	0	0	264	0
Middle Tennessee State U.	321	261	1	0	151	20	65	8	12	0	0	4
North Carolina A&T State U.	321	261	40	0	8	0	0	0	0	0	178	35
DePaul U.	323	260	102	0	0	0	0	0	128	0	0	30
Tarleton State U.	324	257	0	0	80	177	0	0	0	0	0	0
Albany C. of Pharmacy and Health Sciences	325	250	0	0	250	0	0	0	0	0	0	0
Smith C.	326	248	177	0	22	0	0	0	0	0	49	0
Ball State U.	327	247	173	0	73	0	0	1	0	0	0	0
U. Wisconsin-Eau Claire	328	243	30	0	53	0	95	64	1	0	0	0
U. Puerto Rico, Rio Piedras	329	229	11	0	118	48	52	0	0	0	0	0

TABLE 29

Higher education R&D expenditures funded by businesses, 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
Eastern Virginia Medical School	363	148	0	0	148	0	0	0	0	0	0	0
Spelman C.	364	147	0	0	0	0	0	0	0	0	0	147
CUNY, John Jay C. of Criminal Justice	365	144	0	0	0	0	0	0	0	0	0	144
U. Northern Colorado	366	143	0	0	117	0	5	0	21	0	0	0
Babson C.	367	140	0 i	0 i	0 i	5 i	0 i	0 i	38 i	0 i	0 i	97 i
Purdue U., Fort Wayne	367	140	0	0	140	0	0	0	0	0	0	0
Texas Woman's U.	369	135	0	0	72	0	0	0	0	0	0	63
U. Texas of the Permian Basin	370	132	18	0	0	0	23	29	16	0	46	0
U. Hawaii, Hilo	371	131	0	0	131	0	0	0	0	0	0	0
California State U., Chico	372	130	0	0	14	0	5	0	0	0	111	0
U. New England	373	126	0	0	126	0	0	0	0	0	0	0
Bowling Green State U.	374	122	30	0	92	0	0	0	0	0	0	0
William Paterson U.	375	121	0	0	121	0	0	0	0	0	0	0
Tennessee Technological U.	376	117	0	0	0	0	0	0	0	0	117	0
Fayetteville State U.	377	116	0	0	0	0	0	0	53	0	0	63
California State U., Sacramento	378	115	32	13	0	0	0	0	6	0	48	16
Butler U.	379	113	0	0	103	0	10	0	0	0	0	0
Murray State U.	380	112	0	0	91	0	16	0	0	0	0	5
U. Texas, Tyler	381	111	0	0	4	0	0	0	2	0	101	4
California State Polytechnic U., Humboldt	382	110	0	0	71	0	0	0	12	0	27	0
Florida Gulf Coast U.	382	110	0	33	13	0	0	0	0	0	62	2
Oregon Institute of Technology	384	109 i	3 i	8 i	74 i	2 i	0 i	3 i	0 i	0 i	19 i	0 i
Mercyhurst U.	385	108	0	0	0	0	0	0	0	0	0	108
U. North Florida	386	107	0	0	44	10	25	0	0	0	8	20
Roseman U. of Health Sciences	387	106	0	0	106	0	0	0	0	0	0	0
U. Tennessee, Chattanooga	387	106	0	0	20	0	0	3	0	31	52	0
U. Oklahoma, Tulsa	389	104	0	0	80	0	0	0	0	0	24	0
CUNY, system office	390	99	99	0	0	0	0	0	0	0	0	0
California State U., Fullerton	391	95	0	16	48	0	0	0	9	0	0	22
Framingham State U.	391	95 i	2 i	0 i	53 i	1 i	8 i	2 i	5 i	0 i	0 i	24 i
Missouri State U.	391	95	0	0	95	0	0	0	0	0	0	0
Jackson State U.	394	93	17	0	1	0	0	0	0	0	75	0
Wesleyan U.	394	93	0	0	90	3	0	0	0	0	0	0

TABLE 29

Higher education R&D expenditures funded by businesses, 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
Texas A&M U.-Corpus Christi	396	90	0	83	0	0	0	0	0	0	0	7
Wellesley C.	397	89	0	5	84	0	0	0	0	0	0	0
New England C. of Optometry	398	88	0	0	88	0	0	0	0	0	0	0
U. Central Oklahoma	399	85 i	2 i	0 i	43 i	1 i	6 i	1 i	4 i	0 i	9 i	19 i
U. Washington, Bothell	399	85	0	0	0	0	0	0	0	0	0	85
Dakota State U.	401	84	84	0	0	0	0	0	0	0	0	0
Indiana State U.	401	84	0	0	79	0	0	0	0	0	0	5
CUNY, Queens C.	403	83	0	0	66	0	17	0	0	0	0	0
Kentucky State U.	403	83	0	0	83	0	0	0	0	0	0	0
Lake Superior State U.	403	83	0	0	42	0	0	0	0	0	41	0
Franklin W. Olin C. of Engineering	406	82	0	0	0	0	0	0	0	0	82	0
U. Missouri, Saint Louis	407	81	62	0	0	0	19	0	0	0	0	0
Colgate U.	408	78	0	0	0	0	78	0	0	0	0	0
Texas A&M International U.	409	73	0	0	0	0	0	0	0	0	0	73
Western Washington U.	410	68	0	0	0	0	9	20	0	0	39	0
Robert Morris U.	411	67 i	2 i	0 i	46 i	0 i	0 i	1 i	4 i	0 i	7 i	7 i
Marymount U.	412	66	31	0	35	0	0	0	0	0	0	0
Elizabeth City State U.	413	61	31	0	0	0	0	0	3	0	0	27
Southeastern Louisiana U.	413	61	0	0	18	0	43	0	0	0	0	0
Eastern Michigan U.	415	57	0	32	25	0	0	0	0	0	0	0
Central Washington U.	416	55	0	0	0	0	3	0	52	0	0	0
Western Kentucky U.	416	55	0	0	33	0	0	0	0	0	22	0
Illinois State U.	418	54	0	3	0	0	41	0	0	0	6	4
Montclair State U.	418	54	0	0	54	0	0	0	0	0	0	0
U. North Carolina, Asheville	418	54	0	0	0	0	0	0	0	54	0	0
Oklahoma State U., Center for Health Sciences	421	53	0	0	53	0	0	0	0	0	0	0
San Francisco State U.	421	53	0	0	0	0	0	0	53	0	0	0
California State U., Monterey Bay	423	50	36	0	14	0	0	0	0	0	0	0
Christopher Newport U.	424	48	0	0	48	0	0	0	0	0	0	0
U. Nebraska, Kearney	424	48	0	0	5	0	22	0	5	0	0	16
U. of the Virgin Islands	424	48	0	0	48	0	0	0	0	0	0	0
Western New England U.	427	46	0	0	44	0	0	0	0	0	2	0
Pacific U.	428	45	0	0	45	0	0	0	0	0	0	0

TABLE 29

Higher education R&D expenditures funded by businesses, 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. Nebraska, Omaha	429	44	0	0	22	0	0	22	0	0	0	0		
Air Force Institute of Technology	430	43	0	0	0	0	0	0	0	0	43	0		
Youngstown State U.	431	42	0	0	0	0	0	0	0	0	42	0		
U. Louisiana, Monroe	432	41	0	0	0	0	0	0	0	0	0	41		
C. Charleston	433	40	39	0	0	0	1	0	0	0	0	0		
Sonoma State U.	433	40	0	31	9	0	0	0	0	0	0	0		
Barnard C.	435	39	0	0	39	0	0	0	0	0	0	0		
Troy U.	436	38	0	0	1	0	0	0	0	0	0	37		
U. Wisconsin-Oshkosh	437	36	0	0	34	0	2	0	0	0	0	0		
East Tennessee State U.	438	35	0	0	35	0	0	0	0	0	0	0		
Lafayette C.	439	32	0	0	0	0	0	0	5	0	2	25		
U. South Dakota	439	32	0	0	32	0	0	0	0	0	0	0		
West Chester U. Pennsylvania	439	32	0	0	0	27	0	5	0	0	0	0		
Davidson C.	442	31	0	0	0	0	31	0	0	0	0	0		
Roger Williams U.	443	30	18	12	0	0	0	0	0	0	0	0		
St. Catherine U.	443	30	0	0	30	0	0	0	0	0	0	0		
Sul Ross State U.	443	30	i	2	i	2	i	16	i	0	i	6	i	
Towson U.	443	30	2	0	28	0	0	0	0	0	0	0		
Fordham U.	447	27	0	0	0	0	3	23	0	0	0	1		
Furman U.	448	25	0	0	25	0	0	0	0	0	0	0		
Meharry Medical C.	448	25	0	0	25	0	0	0	0	0	0	0		
U. Wisconsin-Green Bay	448	25	1	i	0	i	14	i	1	i	0	i	3	i
Calvin U.	451	24	0	0	0	0	0	14	10	0	0	0		
U. Alaska, Southeast	451	24	0	0	24	0	0	0	0	0	0	0		
SUNY, C. Brockport	453	23	0	0	23	0	0	0	0	0	0	0		
Northern Kentucky U.	454	22	0	0	19	0	0	0	3	0	0	0		
Stephen F. Austin State U.	454	22	0	7	15	0	0	0	0	0	0	0		
Texas A&M U.-San Antonio	454	22	0	0	22	0	0	0	0	0	0	0		
CUNY, New York City C. of Technology	457	20	0	0	0	20	0	0	0	0	0	0		
U. of the Pacific	458	18	0	0	18	0	0	0	0	0	0	0		
U. Detroit Mercy	459	16	0	0	0	0	0	0	0	0	16	0		
Grinnell C.	460	15	0	0	0	0	0	0	15	0	0	0		
Kean U.	460	15	14	0	1	0	0	0	0	0	0	0		

TABLE 29

Higher education R&D expenditures funded by businesses, 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
St. Edward's U.	460	15	0	0	0	0	0	0	0	0	0	15
Eastern Washington U.	463	13	0	1	2	2	0	0	8	0	0	0
U. North Georgia	463	13	0	0	13	0	0	0	0	0	0	0
Winthrop U.	463	13	0	0	0	0	0	0	0	0	0	13
Johnson C. Smith U.	466	12	0	0	0	0	0	0	0	0	0	12
Edward Via C. of Osteopathic Medicine	467	8	0	0	8	0	0	0	0	0	0	0
U. of the Incarnate Word	467	8	0	0	0	0	0	0	0	0	8	0
Alcorn State U.	469	7 i	0 i	0 i	3 i	0 i	0 i	0 i	4 i	0 i	0 i	0 i
Loyola Marymount U.	470	6	0	0	1	0	0	0	0	0	5	0
U. Hartford	470	6	0	0	0	0	0	0	0	0	6	0
U. of Mary Washington	470	6	0	0	0	0	0	0	0	0	0	6
Saginaw Valley State U.	473	5 i	0 i	0 i	4 i	0 i	0 i	0 i	0 i	0 i	0 i	1 i
SUNY, Buffalo State	473	5	0	0	0	0	0	0	0	0	0	5
SUNY, Cobleskill	475	4	0	0	0	0	0	0	0	0	4	0
Tennessee State U.	475	4	0	0	0	0	0	0	0	0	0	4
Texas A&M U.-Commerce	475	4	0	0	4	0	0	0	0	0	0	0
Trinity C., Hartford	475	4	4	0	0	0	0	0	0	0	0	0
U. Baltimore	475	4	0	0	0	0	0	0	4	0	0	0
U. Virginia's C. Wise	475	4	0	0	0	0	0	0	4	0	0	0
California State U., San Bernardino	481	3	0	0	3	0	0	0	0	0	0	0
Citadel Military C. South Carolina	481	3	0	0	0	0	0	0	0	0	3	0
CUNY, Brooklyn C.	481	3	0	0	3	0	0	0	0	0	0	0
Seattle U.	481	3	0	0	3	0	0	0	0	0	0	0
Stockton U.	481	3	0	3	0	0	0	0	0	0	0	0
California State U., East Bay	486	2	0	0	2	0	0	0	0	0	0	0
Harvey Mudd C.	486	2	0	0	0	0	0	0	0	0	2	0
New School	486	2	2	0	0	0	0	0	0	0	0	0
Union C., Schenectady	486	2	2	0	0	0	0	0	0	0	0	0
CUNY, C. Staten Island	490	1	0	0	0	0	1	0	0	0	0	0
Sam Houston State U.	490	1	0	0	1	0	0	0	0	0	0	0
U. Wisconsin-Stevens Point	490	1	0	0	1	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 \$9,458 thousand in business-financed R&D expenditures in FY 2022.

^b 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.

^c 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.

^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):

Institutions reporting zero expenditures in ranked total for FY 2022 are not listed in this table. Tied institutions are ranked alphabetically. Ranked institutions are geographically separate campuses headed by a campus-level president or chancellor. Some campuses are part of large, multi-campus universities; some are part of state university systems. For a complete list of campuses that belong to a larger university or system and their aggregate R&D expenditures, see table 6.

Source(s):

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