

TABLE 29

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

(Dollars in thousands)

Institution	Rank	All R&D expenditures	Computer and information sciences	Geosciences, atmospheric sciences, and ocean sciences	Life sciences	Mathematics and statistics	Physical sciences	Psychology	Social sciences	Sciences nec	Engineering	All non-S&E fields
All institutions	-	5,115,480	150,733	76,015	3,445,313	12,149	171,349	12,198	44,268	31,166	1,042,309	129,980
U. Texas M. D. Anderson Cancer Center	1	211,849	0	0	210,555	186	900	8	200	0	0	0
U. Pennsylvania	2	190,755	686	0	186,465	0	1,276	312	344	0	1,519	153
Duke U.	3	187,864	0	178	181,815	159	313	0	385	0	2,444	2,570
Massachusetts Institute of Technology	4	177,759	28,094	1,953	11,074	922	29,966	0	3,681	10,286	66,314	25,469
SUNY, Polytechnic Institute	5	150,915	0	0	28	0	0	0	0	0	150,887	0
Ohio State U.	6	129,914	2,691	65	90,962	8	506	0	714	344	33,774	850
U. California, San Francisco	7	128,370	0	0	124,344	0	4,026	0	0	0	0	0
Stanford U.	8	113,691	4,931	742	83,922	219	4,627	121	821	0	18,308	0
Washington U., Saint Louis	9	105,176	45	0	103,412	0	50	16	0	0	55	1,598
Johns Hopkins U. ^a	10	103,162	233	431	91,319	160	927	0	59	202	9,520	311
U. Michigan, Ann Arbor	11	91,117	258	28	58,988	82	2,063	1	986	0	27,896	815
U. California, Los Angeles	12	87,959	1,374	651	73,270	298	2,248	143	413	186	7,451	1,925
Wichita State U.	13	86,621	0	0	7,259	0	79	0	0	0	76,128	3,155
U. California, San Diego	14	85,003	403	10,201	62,858	29	1,297	666	748	218	8,333	250
Vanderbilt U. and Vanderbilt U. Medical Center	15	81,360	237	84	76,915	0	294	46	261	0	2,645	878
Yale U.	16	76,784	365	0	73,928	0	495	0	409	0	662	925
U. California, Berkeley	17	71,696	1,373	204	15,014	174	9,191	537	2,633	7,727	33,159	1,684
Columbia U. in the City of New York	18	71,239	1,319	1,044	65,894	0	248	88	428	0	1,912	306
U. Texas, Austin	19	68,580	1,528	9,819	12,674	466	1,261	5	582	63	31,721	10,461
U. Louisiana, Lafayette	20	67,346	6,339	717	46,812	433	268	0	0	0	7,785	4,992
Purdue U., West Lafayette	21	64,364	1,345	16	9,661	261	5,545	27	647	54	39,947	6,861
U. Southern California	22	61,867	1,432	0	53,965	0	1,794	16	1,965	0	2,435	260
U. Alabama, Birmingham	23	61,764	0	76	58,335	0	2,714	0	0	0	608	31
Icahn School of Medicine at Mount Sinai	24	59,235	0	0	59,235	0	0	0	0	0	0	0
Emory U.	25	58,517	278	0	58,053	0	144	0	0	0	0	42
U. California, Davis	26	56,160	808	670	42,561	190	2,102	0	524	0	8,547	758
Georgia Institute of Technology	27	56,015	7,984	171	1,536	0	953	124	1,185	0	43,635	427
Harvard U.	28	55,357	2,037	2,171	39,861	61	5,704	0	803	152	3,449	1,119
Northwestern U.	29	54,888	1,143	0	46,675	0	716	0	394	1,383	3,594	983

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U. Washington, Seattle	30	54,751	1,160	325	44,883	0	566	40	18	0	7,653	106
New York U.	31	51,800	1,113	0	44,954	1,991	313	255	71	0	2,476	627
North Carolina State U.	32	49,478	595	1,164	21,331	501	644	505	911	784	19,487	3,556
U. North Carolina, Chapel Hill	33	48,938	254	42	45,585	0	1,923	65	398	0	620	51
U. Colorado Anschutz Medical Campus ^b	34	48,309	0	0	48,238	0	0	0	69	0	2	0
U. Minnesota, Twin Cities	35	44,460	143	0	39,244	166	827	295	745	70	2,549	421
Cornell U.	36	43,950	1,214	0	35,605	0	1,928	0	6	0	3,146	2,051
U. Illinois, Urbana-Champaign	37	41,455	12,536	163	10,900	13	2,925	331	6	32	13,526	1,023
Oregon Health and Science U.	38	40,991	0	0	40,583	0	0	0	0	0	408	0
Rutgers, State U. New Jersey, New Brunswick	39	40,861	186	430	38,452	5	347	5	1	0	1,199	236
U. California, Irvine	40	40,622	824	113	31,620	0	1,474	198	0	0	6,386	7
U. Cincinnati	41	39,228	79	0	34,973	0	124	0	26	557	3,138	331
U. Texas Southwestern Medical Center	42	38,886	0	0	38,886	0	0	0	0	0	0	0
U. Utah	43	38,783	534	666	34,726	0	472	328	33	0	1,879	145
U. Chicago	44	38,215	203	0	35,746	2	982	0	65	0	1,157	60
U. Miami	45	34,768	56	207	34,027	0	0	321	0	0	157	0
Carnegie Mellon U.	46	34,473	27,042	0	111	0	118	11	418	0	6,762	11
U. Rochester	47	34,036	30	0	30,391	0	2,217	0	0	892	506	0
Pennsylvania State U., University Park and Hershey Medical Center	48	33,787	1,228	1,021	14,432	136	1,374	222	953	0	13,385	1,036
U. Pittsburgh, Pittsburgh	49	33,240	155	45	32,067	0	0	0	5	0	934	34
Texas A&M U., College Station and Health Science Center	50	32,978	389	1,232	6,547	36	1,565	0	215	63	18,356	4,575
Virginia Polytechnic Institute and State U.	51	32,964	442	13	6,550	209	469	332	165	22	24,073	689
U. Wisconsin-Madison	52	31,502	510	500	23,793	0	1,757	30	211	1,559	3,080	62
U. Florida	53	31,394	288	30	25,011	0	912	194	6	0	4,911	42
U. Maryland ^c	54	30,638	791	278	24,432	0	650	0	523	276	3,532	156
Baylor C. of Medicine	55	29,465	0	0	29,465	0	0	0	0	0	0	0
Indiana U., Bloomington	56	29,077	548	92	27,497	7	781	3	37	42	21	49
U. Virginia, Charlottesville	57	28,643	242	4	22,777	0	298	234	101	36	4,699	252

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U. Kansas	58	27,517	54	174	25,318	0	161	148	14	0	1,648	0
U. Iowa	59	25,536	0	0	23,509	0	15	0	194	6	1,229	583
U. Arizona	60	24,601	38	1,052	16,976	0	1,888	106	53	0	4,298	190
Arizona State U.	61	23,580	1,648	40	2,807	30	668	388	1,304	3,167	13,036	492
Medical C. Wisconsin	62	23,118	0	0	23,118	0	0	0	0	0	0	0
Temple U.	63	22,560	0	0	21,103	0	4	5	0	0	977	471
Scripps Research Institute	64	22,399	0	0	22,399	0	0	0	0	0	0	0
Medical U. South Carolina	65	22,129	0	0	22,129	0	0	0	0	0	0	0
SUNY, U. Buffalo	66	21,474	289	1	14,565	0	97	2	0	0	6,343	177
U. California, Santa Barbara	67	20,480	785	4,568	1,197	0	4,542	101	94	0	9,193	0
Princeton U.	68	20,200	2,078	2,449	1,359	676	7,442	1	1,654	0	4,541	0
Boston U.	69	20,071	1,619	0	15,309	0	443	167	0	3	2,425	105
U. Nebraska, Lincoln	70	19,843	49	4	13,698	32	1,920	0	110	112	3,835	83
Iowa State U.	71	19,837	69	102	11,064	365	154	0	0	0	7,861	222
U. Oklahoma, Norman and Health Science Center	72	19,294	170	1,470	13,606	0	89	0	0	0	3,926	33
Thomas Jefferson U.	73	18,591	0	0	18,591	0	0	0	0	0	0	0
California Institute of Technology	74	17,193	468	564	658	0	8,404	0	0	0	7,053	46
Georgetown U.	75	16,888	0	0	16,111	0	190	0	127	0	0	460
U. Massachusetts, Medical School	76	16,669	0	0	16,669	0	0	0	0	0	0	0
Rensselaer Polytechnic Institute	77	16,432	5,103	0	0	1,365	1,778	626	0	0	7,292	268
U. Texas Health Science Center, Houston	78	16,305	0	0	16,305	0	0	0	0	0	0	0
Clemson U.	79	16,178	317	0	1,990	10	531	68	104	0	9,142	4,016
Wake Forest U.	80	15,449	0	0	13,619	0	0	0	37	0	19	1,774
Rush U.	81	15,329	0	0	15,329	0	0	0	0	0	0	0
U. South Florida ^d	82	14,798	26	115	13,880	0	64	47	17	0	608	41
U. Missouri, Columbia	83	14,488	124	12	12,805	0	323	0	0	0	1,155	69
U. Illinois, Chicago	84	13,998	294	0	12,449	0	0	42	86	0	889	238
U. Notre Dame	85	13,499	970	0	520	15	188	0	164	102	11,114	426
U. Arkansas for Medical Sciences	86	13,493	0	0	13,493	0	0	0	0	0	0	0
Virginia Commonwealth U.	87	12,494	18	61	11,326	0	6	0	72	0	990	21

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Texas Tech U.	88	12,221	120	576	3,889	193	440	611	1,241	0	2,518	2,633
Colorado State U., Fort Collins	89	11,979	70	726	7,856	60	614	0	7	267	2,377	2
Louisiana State U., Baton Rouge	90	11,492	596	687	6,838	43	222	56	186	13	2,156	695
U. Central Florida	91	11,489	2,142	340	745	124	5,311	7	299	2	2,389	130
U. Georgia	92	11,212	35	486	8,940	0	40	83	118	0	1,478	32
Michigan State U.	93	11,016	468	1	5,160	129	739	0	48	28	2,950	1,493
U. Colorado Boulder	94	10,691	494	485	719	139	1,714	0	69	4	6,835	232
U. Texas Health Science Center, San Antonio	95	10,085	0	0	10,085	0	0	0	0	0	0	0
Washington State U.	96	9,897	34	54	7,832	0	209	73	52	7	1,343	293
U. Louisville	97	9,846	0	0	8,297	0	549	0	0	5	945	50
U. Connecticut	98	9,827	353	77	4,641	336	379	351	128	0	3,437	125
Oklahoma State U., Stillwater	99	9,786	3	2	7,628	0	105	0	3	0	1,322	723
Northeastern U.	100	9,547	437	33	3,050	0	527	179	260	0	4,992	69
U. Nebraska, Medical Center	101	9,286	0	0	9,286	0	0	0	0	0	0	0
Colorado School of Mines	102	9,036	105	526	505	0	302	0	0	0	7,598	0
Tufts U.	103	8,655	0	11	5,369	197	0	0	291	260	1,928	599
U. Kentucky	104	8,529	10	197	6,993	5	83	28	0	0	1,189	24
U. Texas Medical Branch	105	8,424	0	0	8,424	0	0	0	0	0	0	0
Tulane U.	106	8,279	0	48	7,978	0	197	0	0	0	56	0
U. North Dakota	107	8,194	1	44	1	0	17	0	0	0	8,107	24
Southern Illinois U., Carbondale	108	7,901	32	0	6,808	0	31	1	7	114	908	0
U. New Hampshire	109	7,870	0	306	592	19	77	0	164	0	6,668	44
U. Houston	110	7,745	154	1,113	1,393	15	47	99	217	6	3,464	1,237
U. Massachusetts, Amherst	111	7,710	2,670	232	1,536	0	49	31	8	0	3,063	121
U. Tulsa	112	7,397	0	0	16	0	0	59	0	0	7,322	0
U. California, Santa Cruz	113	7,273	814	548	708	0	765	236	553	42	3,561	46
U. Tennessee, Knoxville	114	7,224	35	0	2,168	91	308	0	46	183	4,356	37
Rice U.	115	7,123	474	2	172	506	1,651	95	288	41	3,894	0
Michigan Technological U.	116	7,078	167	2,570	126	0	32	0	0	0	4,183	0
Utah State U.	117	6,975	0	50	2,042	36	517	26	0	0	4,304	0
U. California, Riverside	118	6,809	391	202	2,392	38	303	0	222	0	3,261	0

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Kansas State U.	119	6,671	40	0	5,545	0	440	1	39	0	606	0
U. Texas, Dallas	120	6,581	363	122	108	42	228	0	17	0	5,659	42
U. Arkansas, Fayetteville	121	6,561	107	250	3,166	0	122	244	227	0	1,204	1,241
Oregon State U.	122	6,517	150	0	3,001	0	1	36	0	10	3,319	0
Auburn U., Auburn	123	6,492	61	13	3,446	0	347	15	0	0	2,286	324
Syracuse U.	124	6,481	5	100	10	0	115	1	140	0	146	5,964
U. Dayton	125	6,277	348	0	0	0	59	0	0	0	5,773	97
U. Wyoming	126	6,088	281	2,078	385	0	11	0	5	12	3,302	14
U. Delaware	127	6,026	132	1,277	694	0	858	0	69	198	2,605	193
George Mason U.	128	5,910	331	57	841	55	0	34	1,589	0	230	2,773
Mercer U.	129	5,342	0	0	519	0	0	0	0	0	4,793	30
U. Texas, San Antonio	130	5,196	510	21	635	0	888	69	538	0	721	1,814
SUNY, Stony Brook U.	131	5,135	252	196	2,861	12	336	0	0	497	981	0
Brown U.	132	4,925	187	0	3,025	0	210	0	29	0	1,276	198
Dartmouth C. and Dartmouth Hitchcock Medical Center	133	4,723	369	0	3,220	0	50	0	188	0	896	0
West Virginia U.	134	4,505	21	3	3,032	0	49	23	0	0	1,377	0
East Carolina U.	135	4,387	0	1	4,261	0	59	28	0	0	38	0
SUNY, Upstate Medical U.	136	4,314	0	0	4,314	0	0	0	0	0	0	0
U. New Mexico	137	4,253	0	13	3,343	0	0	0	20	0	877	0
Wayne State U.	138	4,228	24	0	2,468	0	728	0	105	45	289	569
Albert Einstein C. of Medicine	139	4,184	0	0	4,184	0	0	0	0	0	0	0
George Washington U.	140	4,155	85	0	2,852	0	0	0	82	0	425	711
Case Western Reserve U.	141	4,035	33	0	2,105	0	276	0	0	0	1,343	278
Missouri U. of Science and Technology	142	4,007	0	0	0	0	211	0	0	0	3,796	0
New York Medical C.	143	4,002	0	0	4,002	0	0	0	0	0	0	0
Albany Medical C.	144	3,788	0	0	3,788	0	0	0	0	0	0	0
U. Tennessee, Health Science Center	145	3,708	0	0	3,708	0	0	0	0	0	0	0
Saint Louis U.	146	3,614	10	120	3,459	0	0	0	0	0	25	0
U. Maine	147	3,612	0	360	835	0	0	0	74	588	1,679	76
Brigham Young U., Provo	148	3,592	77	271	469	0	1,024	0	0	0	1,751	0
Abilene Christian U.	149	3,546	0	0	62	0	3,484	0	0	0	0	0

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Georgia Southern U.	150	3,482	0	43	182	0	2,987	0	29	14	92	135
U. South Alabama	151	3,466	0	1,315	1,816	0	0	0	0	0	206	129
U. Massachusetts, Lowell	152	3,444	111	43	329	0	392	0	33	0	2,533	3
Ohio U.	153	3,433	8	82	313	0	0	0	19	0	3,007	4
U. South Carolina, Columbia	154	3,409	38	0	1,120	0	0	0	32	0	2,116	103
SUNY, Binghamton U.	155	3,399	281	0	247	0	282	3	513	0	2,069	4
Loyola U., Chicago	156	3,359	0	0	3,359	0	0	0	0	0	0	0
Cold Spring Harbor Laboratory	157	3,333	0	0	3,333	0	0	0	0	0	0	0
Worcester Polytechnic Institute	158	3,296	169	0	46	5	11	0	55	0	3,010	0
Augusta U.	159	3,282	0	0	3,276	0	6	0	0	0	0	0
Mississippi State U.	160	3,257	0	423	2,292	0	251	0	14	0	262	15
Rockefeller U.	161	3,210	0	0	3,177	0	33	0	0	0	0	0
Drexel U.	162	3,196	25	0	1,536	0	0	0	90	0	1,534	11
Baylor U.	163	3,116	324	12	28	0	140	0	0	0	2,081	531
Florida State U.	164	3,033	0	939	165	0	510	35	49	11	1,216	108
U. Texas, Arlington	165	3,006	64	0	161	17	288	3	0	0	2,079	394
U. Nevada, Reno	166	2,919	106	141	1,820	0	87	62	0	0	703	0
Howard U.	167	2,860	21	0	1,382	0	0	326	251	0	683	197
Woods Hole Oceanographic Institution	168	2,804	0	2,325	0	0	0	0	0	0	479	0
Louisiana State U., Health Sciences Center, New Orleans	169	2,800	0	0	2,800	0	0	0	0	0	0	0
Florida Atlantic U.	170	2,762	70	0	2,382	4	60	0	0	0	241	5
U. Toledo	171	2,718	0	0	2,118	0	81	0	0	0	519	0
U. Puerto Rico, Medical Sciences Campus	172	2,688	0	0	2,688	0	0	0	0	0	0	0
U. Alabama, Tuscaloosa	173	2,679	0	88	231	0	103	0	658	0	963	636
U. Hawaii, Manoa	174	2,660	41	1,224	756	0	29	0	175	3	432	0
U. Mississippi	175	2,600	0	6	2,428	0	75	31	1	0	11	48
Rochester Institute of Technology	176	2,563	67	0	13	8	1,051	0	5	0	1,398	21
New Mexico State U.	177	2,562	150	14	1,059	0	229	141	0	0	964	5
U. Alaska, Fairbanks	178	2,534	20	1,679	142	0	0	0	1	22	670	0
Milwaukee School of Engineering	179	2,377	0	0	0	0	14	0	0	0	2,363	0
U. North Carolina, Charlotte	180	2,349	241	34	155	0	267	1	0	0	1,494	157

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Florida International U.	181	2,311	224	68	426	0	74	294	44	0	1,181	0
U. Massachusetts, Boston	182	2,222	12	0	8	0	0	88	301	0	338	1,475
California State U., Maritime Academy	183	2,102	0	0	0	0	0	0	0	0	2,102	0
U. Akron	184	2,093	0	0	228	0	538	24	0	0	1,266	37
Montana State U., Bozeman	185	2,084	0	0	1,220	0	87	0	0	0	777	0
Southern Methodist U.	186	2,072	15	303	88	0	4	0	0	0	1,496	166
U. Rhode Island	187	2,060	0	221	787	0	137	330	102	91	303	89
U. North Texas, Denton	188	1,992	175	0	702	0	674	94	0	0	320	27
U. Vermont	189	1,989	6	0	1,658	2	0	0	0	0	323	0
U. Michigan, Dearborn	190	1,911	0	0	0	0	0	0	0	0	1,911	0
U. Maryland, Baltimore County	191	1,860	872	98	36	9	639	1	0	0	205	0
Indiana U.-Purdue U., Indianapolis	192	1,855	159	0	1,165	0	109	0	54	0	368	0
U. Idaho	193	1,794	152	78	798	0	42	61	0	0	634	29
Cleveland State U.	194	1,755	0	0	1,112	0	0	0	75	0	568	0
U. Denver	195	1,740	0	0	0	0	0	0	0	0	1,740	0
Teachers C., Columbia U.	196	1,700	0	0	5	0	0	0	1,695	0	0	0
Western Michigan U. and Homer Stryker M.D. School of Medicine	197	1,697	0	0	298	0	0	31	0	0	1,368	0
U. of St. Thomas (MN)	198	1,690	0	0	0	0	29	0	0	0	1,573	88
Ponce Health Sciences U.	199	1,683	0	0	1,683	0	0	0	0	0	0	0
Texas Christian U.	200	1,670	0	0	182	0	77	0	0	0	22	1,389
U. North Texas, Health Science Center	201	1,633	0	0	1,633	0	0	0	0	0	0	0
U. Oregon	202	1,611	0	57	37	0	11	38	46	0	0	1,422
U. Wisconsin-Milwaukee	203	1,596	0	0	185	0	5	160	1,025	0	141	80
Claremont Graduate U.	204	1,518	0	0	0	0	0	0	0	0	0	1,518
North Dakota State U.	205	1,508	0	0	1,115	0	94	0	58	36	203	2
U. Massachusetts, Dartmouth	206	1,488	37	1,292	0	0	124	0	0	0	35	0
Creighton U.	207	1,478	44	0	1,095	11	74	16	93	0	0	145
Brandeis U.	208	1,418	53	0	0	0	15	0	1,228	0	108	14
Stevens Institute of Technology	209	1,403	0	0	0	0	98	0	0	0	1,305	0
South Dakota State U.	210	1,304	0	0	1,076	93	0	0	0	0	135	0
Eastern Virginia Medical School	211	1,298	0	0	1,298	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 2021

(Dollars in thousands)

Institution	Rank	All R&D expenditures	Computer and information sciences	Geosciences, atmospheric sciences, and ocean sciences	Life sciences	Mathematics and statistics	Physical sciences	Psychology	Social sciences	Sciences nec	Engineering	All non-S&E fields
New Jersey Institute of Technology	212	1,278	136	0	427	0	26	0	0	0	648	41
Miami U.	213	1,249	0	13	171	3	229	16	36	0	761	20
U. Southern Mississippi	214	1,239	0	381	635	0	218	0	0	0	0	5
New Mexico Institute of Mining and Technology	215	1,236	12	9	0	3	12	0	0	0	1,200	0
Philadelphia C. of Osteopathic Medicine	216	1,220	0	0	1,220	0	0	0	0	0	0	0
Embry-Riddle Aeronautical U.	217	1,195	63	103	0	0	200	0	201	0	620	8
U. of the Sciences Philadelphia	218	1,155	0	0	1,097	0	58	0	0	0	0	0
Clarkson U.	219	1,147	25	0	44	0	36	0	12	0	1,030	0
San Jose State U.	220	1,080	30	501	0	0	0	0	0	0	496	53
Illinois Institute of Technology	221	1,074	90	0	316	11	310	0	0	0	347	0
California Polytechnic State U., San Luis Obispo	222	1,053	109	0	263	0	105	0	57	0	519	0
California State U., East Bay	223	1,033	0	0	62	0	0	0	75	0	878	18
Oakland U.	224	1,023	34	0	4	0	123	0	0	0	806	56
U. Texas, El Paso	225	994	142	313	84	0	12	0	0	0	212	231
Pittsburg State U.	226	969	0	0	0	0	0	0	0	0	969	0
Marquette U.	227	947	80	0	195	0	0	17	0	0	629	26
Louisiana Tech U.	228	937	13	0	2	0	132	19	0	0	770	1
Old Dominion U.	229	918	3	13	451	0	17	10	0	0	421	3
SUNY, C. of Optometry	230	907	0	0	907	0	0	0	0	0	0	0
U. Nevada, Las Vegas	231	905	0	104	2	0	111	0	0	0	268	420
U. North Carolina, Wilmington	232	867	0	42	276	0	12	0	25	0	495	17
Portland State U.	233	847	168	0	129	0	0	0	1	0	549	0
Northern Arizona U.	234	839	15	0	335	0	0	1	0	0	446	42
West Texas A&M U.	235	832	0	12	339	0	0	0	0	0	442	39
Florida Institute of Technology	236	824	477	47	51	0	27	3	0	0	219	0
Alaska Pacific U.	237	817	0	817	0	0	0	0	0	0	0	0
U. Memphis	238	814	8	0	225	0	31	0	115	0	388	47
American U.	239	774	0	0	0	0	35	0	48	0	0	691
Texas State U.	240	765	36	28	171	0	0	0	243	110	176	1

TABLE 29

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

(Dollars in thousands)

Institution	Rank	All R&D expenditures	Computer and information sciences	Geosciences, atmospheric sciences, and ocean sciences	Life sciences	Mathematics and statistics	Physical sciences	Psychology	Social sciences	Sciences nec	Engineering	All non-S&E fields
Albany C. of Pharmacy and Health Sciences	241	715	0	0	715	0	0	0	0	0	0	0
Southern U. and A&M C., Baton Rouge	242	704	0	0	0	18	18	0	0	0	41	627
Ball State U.	243	702	653	0	48	0	0	1	0	0	0	0
CUNY, City C.	244	691	6	0	2	0	55	0	0	0	628	0
U. Alabama, Huntsville	245	688	0	2	15	0	107	0	0	0	556	8
Rowan U.	246	677	55	0	53	23	51	0	0	0	495	0
Purdue U., Northwest	247	667	3	0	0	0	0	0	0	0	647	17
Air Force Institute of Technology	248	663	0	0	0	30	506	0	0	0	127	0
Catholic U. of America	249	624	0	0	9	0	456	1	0	0	73	85
Georgia State U.	250	615	66	0	293	0	0	29	142	0	0	85
U. West Florida	251	614	23	0	56	0	0	0	471	0	7	57
Langston U.	252	609	0	0	609	0	0	0	0	0	0	0
Texas A&M U.-Corpus Christi	253	603	0	199	2	0	0	0	0	0	402	0
U. Montana, Missoula	254	601	142	41	377	0	33	0	8	0	0	0
SUNY, C. of Environmental Science and Forestry	255	580	0	0	483	0	0	0	0	0	38	59
Boise State U.	256	576	0	4	28	0	102	0	0	0	432	10
Kent State U.	257	573	57	0	3	0	246	28	68	82	66	23
SUNY, U. Albany	257	573	17	315	240	0	1	0	0	0	0	0
South Dakota School of Mines and Technology	259	569	0	0	0	0	0	0	0	0	569	0
Chapman U.	260	567	0	0	446	0	0	0	68	0	4	49
Florida A&M U.	261	566	0	0	493	4	0	0	0	0	69	0
Santa Clara U.	262	558	0	0	0	0	4	0	0	0	541	13
Manhattan C.	263	556	0	0	0	0	0	0	0	0	383	173
William & Mary	264	543	59	207	80	0	56	0	54	0	0	87
Lehigh U.	265	531	0	0	2	0	53	0	0	0	458	18
San Diego State U.	266	523	0	0	160	0	32	20	0	0	301	10
Boston C.	267	522	19	0	46	0	184	0	200	0	0	73
Desert Research Institute	268	521	0	521	0	0	0	0	0	0	0	0
Rosalind Franklin U. of Medicine and Science	269	520	0	0	520	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 2021

(Dollars in thousands)

Institution	Rank	All R&D expenditures	Computer and information sciences	Geosciences, atmospheric sciences, and ocean sciences	Life sciences	Mathematics and statistics	Physical sciences	Psychology	Social sciences	Sciences nec	Engineering	All non-S&E fields
U. Colorado Colorado Springs	270	518	3	0	0	0	50	0	0	108	356	1
California State U., Stanislaus	271	504	0	0	428	0	0	76	0	0	0	0
North Carolina Central U.	272	503	37	65	116	0	3	0	0	0	276	6
U. Maryland Center for Environmental Science	273	496	40	126	330	0	0	0	0	0	0	0
Pennsylvania State U., Behrend	274	494	0	0	46	8	98	0	0	0	333	9
U. Colorado Denver ^b	275	493	35	12	1	0	0	258	46	0	64	77
Nova Southeastern U.	276	486	0	130	290	0	0	66	0	0	0	0
U. of Health Sciences and Pharmacy in St. Louis	277	462	0	0	462	0	0	0	0	0	0	0
U. Missouri, Kansas City	278	451	0	5	326	0	0	0	0	0	120	0
Lawrence Technological U.	279	434	0	0	0	0	1	0	0	0	66	367
U. New Haven	280	418	220	0	0	0	49	0	55	0	94	0
Wright State U.	281	415	0	0	241	0	0	0	0	0	173	1
St. Cloud State U.	282	403	0	0	47	0	0	0	134	0	22	200
Montana Technological U.	283	402	0	100	109	0	0	0	0	0	193	0
Texas Tech U., Health Sciences Center, El Paso	284	395	0	0	395	0	0	0	0	0	0	0
Occidental C.	285	392	0	392	0	0	0	0	0	0	0	0
Idaho State U.	286	387	51	41	227	0	7	0	0	0	61	0
U. Minnesota, Duluth	287	381	0	0	263	0	0	0	0	0	118	0
Villanova U.	287	381	0	0	0	0	0	0	0	0	370	11
U. California, Merced	289	373	0	0	62	0	0	0	0	0	287	24
U. New Orleans	290	372	0	0	0	0	116	0	53	0	182	21
Appalachian State U.	291	365	0	22	235	0	0	21	87	0	0	0
U. Wisconsin-La Crosse	291	365	0	0	32	0	20	0	313	0	0	0
Western U. of Health Sciences	291	365	0	0	349	0	0	0	0	0	0	16
SUNY, Downstate Health Sciences U.	294	354	0	0	354	0	0	0	0	0	0	0
Texas A&M U.-Kingsville	295	353	0	0	247	0	0	0	0	0	106	0
Arkansas State U., Jonesboro	296	349	0	0	307	0	17	2	0	0	23	0
U. Alaska, Anchorage	297	348	0	95	87	0	0	0	2	0	109	55
Texas Tech U., Health Sciences Center	298	342	0	0	334	0	0	0	0	0	0	8
Marshall B. Ketchum U.	299	340	0	0	340	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 2021

(Dollars in thousands)

Institution	Rank	All R&D expenditures	Computer and information sciences	Geosciences, atmospheric sciences, and ocean sciences	Life sciences	Mathematics and statistics	Physical sciences	Psychology	Social sciences	Sciences nec	Engineering	All non-S&E fields
James Madison U.	300	330	0	106	0	174	6	0	0	0	14	30
Kennesaw State U.	301	318	78	0	7	47	4	26	15	0	47	94
Kettering U.	302	314	0	0	0	0	46	0	0	0	263	5
Bucknell U.	303	311	0	0	0	0	0	0	0	0	311	0
Louisiana State U., Health Sciences Center, Shreveport	304	297	0	0	297	0	0	0	0	0	0	0
Alabama State U.	305	287	0	0	0	0	0	0	0	0	287	0
Franklin and Marshall C.	306	279	0	0	0	0	0	0	0	0	0	279
U. Texas Rio Grande Valley	307	265	0	0	96	0	0	0	0	0	149	20
Naval Postgraduate School	308	264	164	0	0	0	91	0	0	0	9	0
U. Wisconsin-Platteville	308	264	5	0	123	3	15	5	25	3	31	54
Tarleton State U.	310	263	0	0	47	216	0	0	0	0	0	0
Middle Tennessee State U.	311	259	0	7	141	14	44	0	53	0	0	0
CUNY, Advanced Science Research Center	312	251	0	0	0	0	241	0	0	0	10	0
Loma Linda U.	313	241	0	0	241	0	0	0	0	0	0	0
U. Texas, Tyler	314	238	0	0	2	0	0	0	0	0	223	13
Drake U.	315	233	0	0	205	0	0	0	0	0	0	28
Toyota Technological Institute, Chicago	316	232	232	0	0	0	0	0	0	0	0	0
Marshall U.	317	226	0	0	192	0	5	0	0	0	29	0
Morgan State U.	318	225	0	0	1	0	0	0	0	0	211	13
Southern Illinois U., Edwardsville	319	221	0	2	16	0	0	0	16	0	186	1
Rhode Island School of Design	320	215	0	0	0	0	0	0	56	0	0	159
DePaul U.	321	203	18	0	0	0	0	0	0	0	0	185
U. Michigan, Flint	321	203	0	0	12	0	0	0	0	0	191	0
Dakota State U.	323	201	196	5	0	0	0	0	0	0	0	0
U. Nebraska, Omaha	323	201	172	0	2	0	0	27	0	0	0	0
St. John's U., New York	325	200	0	0	200	0	0	0	0	0	0	0
Jackson State U.	326	198	114	2	0	0	0	0	0	0	82	0
Southeastern Louisiana U.	327	197	0	0	157	0	40	0	0	0	0	0
California State U., Long Beach	328	195	0	0	3	0	19	0	45	0	127	1
Delaware State U.	328	195	0	0	85	0	0	0	0	0	110	0

TABLE 29

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

(Dollars in thousands)

Institution	Rank	All R&D expenditures	Computer and information sciences	Geosciences, atmospheric sciences, and ocean sciences	Life sciences	Mathematics and statistics	Physical sciences	Psychology	Social sciences	Sciences nec	Engineering	All non-S&E fields
Pennsylvania State U., Harrisburg	330	191	0	0	175	2	0	14	0	0	0	0
California State U., Channel Islands	331	186	0	0	0	0	186	0	0	0	0	0
California State U., Fresno	331	186	0	0	150	0	0	0	0	0	36	0
U. Puerto Rico, Rio Piedras	333	181	0	0	104	30	29	0	0	2	0	16
Midwestern U.	334	178	0	0	178	0	0	0	0	0	0	0
Western Illinois U.	335	176	0	0	94	0	0	0	0	0	0	82
New England C. of Optometry	336	175	0	0	175	0	0	0	0	0	0	0
CUNY, Lehman C.	337	171	0	0	90	0	81	0	0	0	0	0
U. Hawaii, Hilo	338	166	0	0	166	0	0	0	0	0	0	0
Humboldt State U.	339	164	0	0	40	0	0	0	12	0	112	0
Babson C.	340	160	0 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i	160 i
Northern Illinois U.	341	155	30	12	0	0	25	0	0	0	88	0
Alfred U.	342	149	0	0	0	0	0	0	0	0	149	0
CUNY, Queens C.	342	149	0	0	122	0	27	0	0	0	0	0
North Carolina Agricultural and Technical State U.	342	149	49	0	28	0	7	0	0	0	65	0
California State U., Sacramento	345	147	0	0	5	0	0	0	0	0	142	0
Duquesne U.	346	146	0	0	106	0	25	0	0	0	0	15
Lamar U.	347	145	0	0	5	0	0	0	0	0	34	106
Keck Graduate Institute	348	144 i	0 i	0 i	113 i	0 i	0 i	0 i	0 i	0 i	16 i	15 i
U. of the Virgin Islands	349	142	0	0	142	0	0	0	0	0	0	0
California State Polytechnic U., Pomona	350	141	0	0	131	0	0	0	0	0	10	0
Purdue U., Fort Wayne	350	141	0	0	90	0	0	0	0	0	51	0
U. Wisconsin-River Falls	350	141	0	0	132	0	8	0	0	0	0	1
U. Arkansas, Little Rock	353	139	59	0	0	0	80	0	0	0	0	0
Wellesley C.	354	138	5	0	133	0	0	0	0	0	0	0
Western Carolina U.	355	137	0	0	16	0	24	0	81	0	16	0
Western Washington U.	355	137	0	13	0	0	0	83	0	0	41	0
Florida Gulf Coast U.	357	136	0	22	0	0	4	7	0	0	99	4
East Tennessee State U.	358	134	0	0	134	0	0	0	0	0	0	0
Saint Joseph's U.	358	134	6	0	0	0	0	128	0	0	0	0
Missouri State U.	360	132	0	0	132	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 2021

(Dollars in thousands)

Institution	Rank	All R&D expenditures	Computer and information sciences	Geosciences, atmospheric sciences, and ocean sciences	Life sciences	Mathematics and statistics	Physical sciences	Psychology	Social sciences	Sciences nec	Engineering	All non-S&E fields
National U. of Natural Medicine	360	132	0	0	132	0	0	0	0	0	0	0
Fayetteville State U.	362	128	0	0	0	0	0	0	53	0	0	75
Albany State U.	363	125	0	125	0	0	0	0	0	0	0	0
Rutgers, State U. New Jersey, Camden	364	123	123	0	0	0	0	0	0	0	0	0
Murray State U.	365	120	0	0	99	0	15	0	0	0	0	6
Alabama A&M U.	366	117 i	3 i	0 i	68 i	1 i	6 i	2 i	5 i	0 i	19 i	13 i
Spelman C.	366	117	0	0	0	0	0	0	0	0	0	117
Prairie View A&M U.	368	115	0	0	1	0	0	0	0	0	114	0
Tennessee Technological U.	369	111	0	0	1	0	0	0	24	0	86	0
U. Texas Health Science Center, Tyler	369	111	0	0	111	0	0	0	0	0	0	0
Central Michigan U.	371	109	0	0	102	2	0	0	0	0	5	0
U. Houston-Clear Lake	372	107	0	0	92	0	0	15	0	0	0	0
U. North Carolina, Greensboro	373	106	0	0	19	0	56	0	12	0	0	19
CUNY, Brooklyn C.	374	105	0	93	12	0	0	0	0	0	0	0
Western Kentucky U.	374	105	0	0	14	0	0	0	0	0	91	0
Pacific U.	376	100	0	0	100	0	0	0	0	0	0	0
California State U., Fullerton	377	97	0	49	0	25	0	0	0	0	0	23
U. Missouri, Saint Louis	378	96	54	0	0	0	41	0	0	0	0	1
Seton Hall U.	379	95	0	0	0	0	0	0	0	0	0	95
Oregon Institute of Technology	380	94	3 i	7 i	64 i	2 i	0 i	2 i	0 i	0 i	16 i	0 i
Van Andel Research Institute	381	90	0	0	90	0	0	0	0	0	0	0
Christopher Newport U.	382	89	0	0	53	0	36	0	0	0	0	0
Florida Polytechnic U.	382	89	0	0	0	0	0	0	0	0	89	0
U. New England	382	89	0	0	89	0	0	0	0	0	0	0
CUNY, Hunter C.	385	85	2	0	42	0	7	1	12	0	0	21
Texas A&M International U.	385	85	0	0	3	0	0	0	0	0	0	82
Bowling Green State U.	387	84	49	0	27	0	8	0	0	0	0	0
Calvin U.	388	83 i	32 i	6 i	8 i	0 i	10 i	0 i	13 i	0 i	11 i	3 i
Fordham U.	388	83	80	0	0	0	2	0	0	0	0	1
U. of the Incarnate Word	388	83	0	0	36	0	0	0	0	0	47	0
U. Wisconsin-Eau Claire	388	83	0	3	0	53	27	0	0	0	0	0
California State U., Northridge	392	81	22	3	0	0	47	0	0	0	9	0

TABLE 29

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

(Dollars in thousands)

Institution	Rank	All R&D expenditures	Computer and information sciences	Geosciences, atmospheric sciences, and ocean sciences	Life sciences	Mathematics and statistics	Physical sciences	Psychology	Social sciences	Sciences nec	Engineering	All non-S&E fields
Framingham State U.	392	81 i	0 i	0 i	78 i	0 i	3 i	0 i	0 i	0 i	0 i	0 i
Biola U.	394	80 i	2 i	0 i	50 i	1 i	4 i	1 i	4 i	1 i	8 i	9 i
Citadel Military C. South Carolina	394	80	0	0	0	0	0	0	0	0	80	0
Youngstown State U.	396	77	0	0	0	0	0	0	0	0	77	0
Colgate U.	397	75	0	0	0	0	75	0	0	0	0	0
Texas Woman's U.	397	75	0	0	75	0	0	0	0	0	0	0
Smith C.	399	74	18	0	18	0	0	0	0	0	38	0
U. Central Oklahoma	400	73 i	0 i	0 i	1 i	1 i	1 i	0 i	0 i	0 i	0 i	70 i
Kentucky State U.	401	72	0	0	72	0	0	0	0	0	0	0
U. Oklahoma, Tulsa	401	72	0	0	72	0	0	0	0	0	0	0
Eastern Michigan U.	403	71	0	0	9	0	34	0	0	0	28	0
Kean U.	404	70	69	0	0	0	0	0	0	1	0	0
California State U., Chico	405	69	0	0	31	0	0	0	0	0	38	0
Sonoma State U.	405	69	0	40	29	0	0	0	0	0	0	0
CUNY, system office	407	68	68	0	0	0	0	0	0	0	0	0
Indiana State U.	407	68	0	0	68	0	0	0	0	0	0	0
Liberty U.	407	68	0	0	68	0	0	0	0	0	0	0
U.S. Air Force Academy	407	68	0	0	0	0	50	0	0	0	18	0
Oberlin C.	411	67	0	0	0	0	0	0	9	0	0	58
Roseman U. of Health Sciences	412	65	0	0	65	0	0	0	0	0	0	0
U. Tennessee, Chattanooga	412	65	0	0	11	0	0	8	0	0	46	0
Elizabeth City State U.	414	62	0	0	1	0	0	0	0	0	0	61
Wesleyan U.	414	62	0	0	0	0	62	0	0	0	0	0
C. New Jersey	416	57	0	0	0	0	0	0	0	0	57	0
Clark Atlanta U.	416	57	47	0	0	10	0	0	0	0	0	0
Oklahoma State U., Center for Health Sciences	418	56	0	0	56	0	0	0	0	0	0	0
Central Washington U.	419	55	0	0	7	0	0	0	48	0	0	0
U. Texas of the Permian Basin	420	54	0	0	0	0	28	2	0	0	0	24
Norfolk State U.	421	52	0	0	0	0	0	0	0	0	52	0
U. Nebraska, central administration	422	50	0	0	0	0	0	0	0	0	50	0
Fort Hays State U.	423	48	0	0	0	0	30	0	0	0	0	18

TABLE 29

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

(Dollars in thousands)

Institution	Rank	All R&D expenditures	Computer and information sciences	Geosciences, atmospheric sciences, and ocean sciences	Life sciences	Mathematics and statistics	Physical sciences	Psychology	Social sciences	Sciences nec	Engineering	All non-S&E fields
U. North Florida	424	47	0	0	6	7	0	0	0	0	32	2
U.S. Military Academy	425	45	0	0	0	0	0	0	0	0	45	0
Tennessee State U.	426	43 i	0 i	0 i	37 i	0 i	2 i	0 i	0 i	0 i	2 i	2 i
Fort Lewis C.	427	42	0	0	7	0	15	0	0	0	20	0
SUNY, Oswego	427	42	0	0	0	0	28	2	0	0	12	0
Towson U.	427	42	0	0	27	0	0	0	15	0	0	0
Montclair State U.	430	41	0	0	41	0	0	0	0	0	0	0
CUNY, John Jay C. of Criminal Justice	431	37	0	0	0	0	0	0	0	0	0	37
U. Nebraska, Kearney	431	37	0	0	5	0	6	0	4	0	0	22
U. Puerto Rico, Mayaguez	431	37	0	0	0	0	0	0	0	0	37	0
Long Island U.	434	36	0	0	36	0	0	0	0	0	0	0
SUNY, C. Brockport	435	32	0	0	32	0	0	0	0	0	0	0
CUNY, New York City C. of Technology	436	31	0	0	0	31	0	0	0	0	0	0
Edward Via C. of Osteopathic Medicine	436	31	0	0	31	0	0	0	0	0	0	0
U. Wisconsin-Oshkosh	436	31	0	0	31	0	0	0	0	0	0	0
New School	439	30	17	0	0	0	0	0	0	0	0	13
U. North Carolina, Asheville	439	30	0	0	30	0	0	0	0	0	0	0
Sam Houston State U.	441	29	0	0	14	0	0	0	15	0	0	0
West Chester U. Pennsylvania	442	27	0	0	0	27	0	0	0	0	0	0
Sul Ross State U.	443	26 i	0 i	0 i	19 i	0 i	0 i	0 i	7 i	0 i	0 i	0 i
Illinois State U.	444	25	0	0	5	0	20	0	0	0	0	0
Monmouth U.	444	25	0	0	25	0	0	0	0	0	0	0
Troy U.	444	25	0	0	25	0	0	0	0	0	0	0
U. Wisconsin-Green Bay	444	25	1 i	1 i	16 i	0 i	1 i	0 i	0 i	0 i	4 i	2 i
Davidson C.	448	24	0	0	0	0	24	0	0	0	0	0
SUNY, Buffalo State	448	24	0	0	0	0	0	0	0	0	0	24
U. Guam	448	24	0	0	24	0	0	0	0	0	0	0
Barnard C.	451	22	0	0	22	0	0	0	0	0	0	0
Lipscomb U.	451	22	0	0	0	0	0	0	0	22	0	0
California State U., San Bernardino	453	20	0	0	3	0	0	0	17	0	0	0
Eastern Washington U.	453	20	0	1	0	0	0	0	19	0	0	0
Loyola Marymount U.	453	20	0	0	20	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 2021

(Dollars in thousands)

Institution	Rank	All R&D expenditures	Computer and information sciences	Geosciences, atmospheric sciences, and ocean sciences	Life sciences	Mathematics and statistics	Physical sciences	Psychology	Social sciences	Sciences nec	Engineering	All non-S&E fields
Touro U.	453	20	0	0	20	0	0	0	0	0	0	0
U. Maryland, Eastern Shore	457	19	0	0	0	0	0	0	0	0	19	0
Bryn Mawr C.	458	18	18	0	0	0	0	0	0	0	0	0
U. Wisconsin-Superior	459	16	0	0	12	0	0	0	0	0	0	4
Franklin W. Olin C. of Engineering	460	15	0	0	0	0	0	0	0	0	15	0
Furman U.	460	15	0	0	15	0	0	0	0	0	0	0
St. Edward's U.	460	15	0	0	0	0	0	0	10	0	0	5
Stephen F. Austin State U.	463	13	0	4	9	0	0	0	0	0	0	0
U. Detroit Mercy	464	12	0	0	0	0	0	0	0	0	12	0
U. Wisconsin-Stevens Point	464	12	0	0	12	0	0	0	0	0	0	0
Harvey Mudd C.	466	11	0	0	0	6	0	0	0	0	5	0
Morehead State U.	466	11	0	0	10	0	0	0	1	0	0	0
Roger Williams U.	466	11	0	11	0	0	0	0	0	0	0	0
U. of the Pacific	466	11	0	0	11	0	0	0	0	0	0	0
U. Puerto Rico, Cayey	466	11	0	0	0	0	0	0	11	0	0	0
William Paterson U.	466	11	0	0	11	0	0	0	0	0	0	0
Rutgers, State U. New Jersey, Newark	472	8	0	0	0	0	7	1	0	0	0	0
Salisbury U.	472	8	8	0	0	0	0	0	0	0	0	0
Texas A&M U.-Commerce	472	8	0	0	8	0	0	0	0	0	0	0
U. Northern Colorado	472	8	0	0	8	0	0	0	0	0	0	0
Indiana U. Pennsylvania	476	7	0	0	6	0	0	0	1	0	0	0
Union C., Schenectady	476	7	0	0	0	0	0	0	0	0	7	0
Alcorn State U.	478	6	0	0	6	0	0	0	0	0	0	0
Ithaca C.	479	5	0	0	5	0	0	0	0	0	0	0
Saginaw Valley State U.	479	5 i	1 i	0 i	2 i	0 i	0 i	1 i	0 i	0 i	1 i	0 i
Trinity U.	479	5	0	0	5	0	0	0	0	0	0	0
U. Hartford	479	5	0	0	0	0	0	0	0	0	5	0
Johnson C. Smith U.	483	4 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i	4 i
U. Alaska, Southeast	483	4	0	0	0	0	0	0	0	0	4	0
California State U., Monterey Bay	485	3	1	0	2	0	0	0	0	0	0	0
Des Moines U.	485	3 i	0 i	1 i	2 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i
Winthrop U.	485	3	0	0	0	0	3	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 2021

(Dollars in thousands)

Institution	Rank	All R&D expenditures	Computer and information sciences	Geosciences, atmospheric sciences, and ocean sciences	Life sciences	Mathematics and statistics	Physical sciences	Psychology	Social sciences	Sciences nec	Engineering	All non-S&E fields
Azusa Pacific U.	488	2	0	0	0	0	2	0	0	0	0	0
Northern Kentucky U.	488	2	0	0	2	0	0	0	0	0	0	0
U. of Mary Washington	488	2	0	0	0	0	2	0	0	0	0	0
Meharry Medical C.	491	1	0	0	1	0	0	0	0	0	0	0
Pace U.	491	1	0	0	0	0	0	0	0	0	0	1
Swarthmore C.	491	1	0	0	0	1	0	0	0	0	0	0
U. Massachusetts, central office	491	1	0	0	0	0	0	0	1	0	0	0
U. North Georgia	491	1	0	1	0	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 \$6,563 thousand in business-financed R&D expenditures in FY 2021.^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 2021 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 2021.