

TABLE 58

## Higher education R&amp;D expenditures in non-science and engineering fields, ranked by all FY 2022 non-S&amp;E fields: FYs 2020–22 and by subfield for FY 2022

(Dollars in thousands)

Institution	Rank	2020	2021	2022								
				All non-S&E fields	Business management and business administration	Communication and communications technologies	Education	Humanities	Law	Social work	Visual and performing arts	Other
All institutions	-	5,035,968	5,114,283	5,857,608	1,081,380	213,000	1,740,784	713,685	358,693	363,079	224,572	1,162,415
U. Pennsylvania	1	146,396	139,396	139,339	80,722	8,837	13,885	10,078	12,920	0	3,622	9,275
Arizona State U.	2	78,430	81,652	128,398	44,875	4,076	47,317	11,005	4,787	10,981	5,357	0
U. Michigan, Ann Arbor	3	100,931	118,228	121,582	15,156	1,740	12,943	25,283	6,311	7,319	3,616	49,214
U. Utah	4	29,823	27,419	117,635	3,460	1,671	1,809	1,557	732	43	3,950	104,413
New York U.	5	89,103	76,810	115,115	7,270	0	26,248	25,247	38,726	5,913	1,800	9,911
Harvard U.	6	123,639	109,083	111,157	32,502	3,057	40,789	12,226	20,298	0	2,285	0
U. Wisconsin-Madison	7	91,878	85,191	95,771	12,255	6,059	30,239	17,166	3,958	1,314	2,423	22,357
Florida State U.	8	80,379	77,689	88,449	14,381	2,413	35,670	9,901	5,189	12,449	5,872	2,574
U. Kansas	9	76,326	80,837	86,502	1,210	1,567	64,951	2,104	18	15,433	342	877
Virginia Commonwealth U.	10	28,285	72,243	78,574	7,429	57	27,439	16,558	0	1,648	7,750	17,693
Syracuse U.	11	71,962	72,037	77,564	25,657	4,913	5,869	11,730	7,609	1,217	5,623	14,946
Vanderbilt U. and Vanderbilt U. Medical Center	12	50,086	50,702	77,399	9,349	0	45,325	3,872	6,860	0	5,372	6,621
U. California, Berkeley	13	43,697	52,025	74,758	21,356	5,520	21,245	4,363	20,943	0	622	709
Ohio State U.	14	54,061	59,506	73,945	4,624	464	27,007	3,789	684	9,261	2,219	25,897
U. Georgia	15	63,130	64,523	70,657	23,884	4,017	9,937	8,741	4,980	4,056	5,957	9,085
U. Virginia, Charlottesville	16	67,324	59,610	70,333	5,246	12	38,779	7,190	1,228	0	491	17,387
U. Washington, Seattle	17	85,569	73,658	68,040	130	12,557	32,072	4,029	689	13,481	1,695	3,387
Georgia State U.	18	76,064	71,402	66,267	14,093	8,946	30,097	645	4,562	5,116	2,808	0
U. South Florida <sup>a</sup>	19	46,005	65,052	65,953	12,629	2,681	31,715	6,239	0	848	3,148	8,693
U. Texas, Austin	20	70,284	70,185	65,855	4,525	9,556	20,684	6,256	1,570	12,013	574	10,677
U. California, Los Angeles	21	54,234	58,429	65,643	18,285	2,891	32,018	6,073	2,973	0	3,267	136
Purdue U., West Lafayette	22	48,429	55,952	63,268	13,921	2,862	9,832	2,930	0	0	547	33,176
U. Maryland <sup>b</sup>	23	55,151	54,635	63,141	1,532	594	6,875	3,918	4,685	23,405	388	21,744
Columbia U. in the City of New York	24	51,003	55,440	62,587	1,740	3,775	5,120	8,364	9,979	31,040	184	2,385
U. Southern California	25	41,691	40,040	61,177	1,673	9,240	12,039	5,895	607	14,598	2,324	14,801
Clemson U.	26	54,255	53,989	59,137	2,867	163	5,119	464	0	0	9	50,515
Texas Tech U.	27	52,481	46,832	57,545	16,346	3,221	24,307	4,350	1,747	0	3,453	4,121
U. North Carolina, Chapel Hill	28	43,949	45,359	56,417	2,381	1,637	13,233	4,259	248	18,958	4,515	11,186
Texas A&M U., College Station and Health Science Center	29	40,859	39,523	56,295	11,284	540	31,580	1,678	379	355	235	10,244
U. Oklahoma, Norman and Health Science Center	30	24,585	45,990	54,089	12,573	1,228	18,284	2,845	289	1,163	958	16,749
Texas State U.	31	31,472	31,997	52,359	3,826	2,000	8,735	3,002	29,171	0	0	5,625
Cornell U.	32	42,944	40,205	49,756	17,796	5,860	441	2,242	992	0	2,837	19,588

TABLE 58

## Higher education R&amp;D expenditures in non-science and engineering fields, ranked by all FY 2022 non-S&amp;E fields: FYs 2020–22 and by subfield for FY 2022

(Dollars in thousands)

Institution	Rank	2020	2021	2022								
				All non-S&E fields	Business management and business administration	Communication and communications technologies	Education	Humanities	Law	Social work	Visual and performing arts	Other
Massachusetts Institute of Technology	33	61,915	52,737	48,875	5,184	151	29,247	2,100	1	260	310	11,622
Washington State U.	34	40,370	33,017	45,834	8,934	6,424	25,232	1,327	98	175	90	3,554
U. South Carolina, Columbia	35	40,744	46,932	44,972	9,103	2,159	7,486	6,800	471	4,606	2,194	12,153
U. Florida	36	52,546	40,461	44,949	2,934	3,467	21,412	5,457	144	2	2,407	9,126
Georgetown U.	37	33,155	30,603	44,734	12,008	432	431	4,079	25,796	0	0	1,988
Stanford U.	38	44,141	44,474	44,597	307	865	40,158	307	2,646	0	131	183
U. Minnesota, Twin Cities	39	43,068	38,218	42,387	17,900	400	12,714	3,640	2,190	958	502	4,083
Auburn U., Auburn	40	33,778	36,980	41,056	17,201	1,038	4,232	6,964	0	428	0	11,193
U. Louisiana, Lafayette	41	25,845	32,651	40,623	12,600	1,238	13,193	9,282	0	237	2,398	1,675
U. Alabama, Tuscaloosa	42	22,940	29,799	40,440	12,382	2,459	10,328	3,936	1,897	3,975	3,107	2,356
Michigan State U.	43	38,813	37,274	39,370	4,683	4,196	15,222	4,138	0	2,024	380	8,727
U. Nebraska, Lincoln	44	35,528	36,001	39,299	12,105	1,416	4,946	7,578	3,270	0	2,819	7,165
Indiana U., Bloomington	45	34,734	36,185	38,886	7,847	1,721	4,582	2,497	1,186	0	4,828	16,225
U. Illinois, Urbana-Champaign	46	30,615	35,349	38,841	3,533	266	5,928	4,727	1,429	7,619	1,299	14,040
Dartmouth C. and Dartmouth Hitchcock Medical Center	47	40,798	37,247	38,778	15,501	0	97	15,701	0	0	1,259	6,220
U. Notre Dame	48	26,720	25,936	38,564	4,630	0	36	7,194	1,777	0	763	24,164
Pennsylvania State U., University Park and Hershey Medical Center	49	21,466	34,537	37,651	8,148	2,159	18,556	5,587	1,703	611	887	0
U. Colorado Boulder	50	29,125	28,679	36,566	3,471	93	27,118	2,243	3,326	57	0	258
American U.	51	34,334	36,404	35,931	6,169	5,816	2,473	2,742	10,783	0	707	7,241
U. Central Florida	52	34,995	36,435	35,796	12,525	1,328	10,791	2,548	138	1,613	1,695	5,158
U. Texas, San Antonio	53	46,980	47,330	35,646	7,400	1,140	7,511	3,467	0	1,805	724	13,599
Oklahoma State U., Stillwater	54	33,474	46,863	35,302	15,765	2,194	2,805	5,285	126	0	1,265	7,862
Boston U.	55	29,183	26,605	34,597	6,289	749	10,744	7,971	3,908	4,246	315	375
U. Missouri, Columbia	56	28,274	34,279	34,489	606	3,088	21,075	432	167	602	217	8,302
U. Iowa	57	27,790	31,735	33,562	7,487	891	12,175	5,426	737	998	199	5,649
Northwestern U.	58	26,992	25,077	32,235	15,461	3,090	8,171	3,470	1,216	0	827	0
Florida International U.	59	26,584	30,202	31,959	8,505	1,306	11,138	5,490	1,191	194	1,797	2,338
U. California, Irvine	60	34,144	36,272	31,745	757	0	21,638	7,131	672	0	1,547	0
U. Houston	61	25,846	24,693	31,473	2,147	667	9,258	1,733	1,106	6,172	52	10,338
U. Tennessee, Knoxville <sup>c</sup>	62	28,093	28,899	31,439	9,931	2,796	3,893	6,179	2,715	1,024	2,042	2,859
U. Oregon	63	25,661	30,203	31,289	2,637	1,520	13,590	1,030	1,478	0	1,137	9,897
Washington U., Saint Louis	64	25,534	28,558	30,865	231	0	212	129	26	30,153	89	25
California Institute of Technology	65	30,954	16,133	30,663	0	388	0	7,342	0	0	0	22,933

TABLE 58

## Higher education R&amp;D expenditures in non-science and engineering fields, ranked by all FY 2022 non-S&amp;E fields: FYs 2020–22 and by subfield for FY 2022

(Dollars in thousands)

Institution	Rank	2020	2021	2022								
				All non-S&E fields	Business management and business administration	Communication and communications technologies	Education	Humanities	Law	Social work	Visual and performing arts	Other
Rutgers, State U. New Jersey, New Brunswick	66	26,421	28,675	30,129	2,704	2,209	11,475	3,245	0	3,237	150	7,109
U. Arizona	67	17,742	28,655	30,072	9,269	190	6,009	4,904	3,505	0	4,575	1,620
U. Mississippi	68	6,988	11,646	29,426	12,892	753	3,125	5,150	3,905	27	1,322	2,252
George Mason U.	69	22,083	21,002	27,597	2,603	2,141	4,654	1,999	15,208	69	225	698
U. Massachusetts, Boston	70	27,392	26,602	27,462	541	42	25,315	842	0	233	462	27
U. North Texas, Denton	71	26,475	24,514	27,017	10,276	0	3,756	5,814	0	0	6,335	836
San Diego State U.	72	18,845	21,399	26,545	6,600	1,452	6,064	6,244	0	2,314	1,704	2,167
U. California, San Diego	73	8,387	40,402	26,391	637	593	6,683	4,290	0	0	1,492	12,696
SUNY, U. Albany	74	17,604	14,148	24,923	5,682	1,138	6,341	5,748	0	3,295	1,248	1,471
Iowa State U.	75	56,769	25,604	24,896	8,981	1,207	2,554	6,803	0	0	1,541	3,810
U. Delaware	76	5,928	6,877	24,548	1,512	0	6,887	10,938	0	0	2,486	2,725
U. West Florida	77	26,275	25,768	24,425	22,074	113	2,103	0	33	25	11	66
U. Cincinnati	78	18,886	20,882	23,750	3,303	162	6,869	3,239	55	0	148	9,974
U. Texas, El Paso	79	21,191	22,518	23,509	5,487	1,736	5,461	3,313	0	1,323	1,548	4,641
Georgia Institute of Technology	80	31,180	28,320	23,468	1,362	1,009	13,268	769	0	0	1,289	5,771
SUNY, U. Buffalo	81	20,398	18,083	22,651	6,747	202	14,153	517	631	175	19	207
U. Nevada, Las Vegas	82	28,266	26,894	22,489	5,608	748	6,226	3,584	2,648	244	0	3,431
Boston C.	83	19,895	19,430	22,395	124	30	13,237	974	162	6,335	64	1,469
U. Massachusetts, Amherst	84	14,391	12,637	21,731	1,686	221	5,421	2,959	18	0	327	11,099
U. Denver	85	18,737	17,378	20,867	128	8	6,354	190	233	13,913	41	0
SUNY, Binghamton U.	86	11,950	14,075	20,383	1,919	67	3,398	9,077	0	107	2,134	3,681
Southern Methodist U.	87	16,199	15,962	20,226	5,341	0	7,422	1,852	2,936	0	1,994	681
Northeastern U.	88	10,266	12,311	20,199	4,599	1,089	3,758	703	3,735	0	768	5,547
Emory U.	89	28,099	9,982	20,078	494	286	909	6,393	929	0	3,491	7,576
U. Arkansas, Fayetteville	90	24,604	22,171	20,062	5,377	101	9,843	582	1,927	224	171	1,837
U. Texas, Arlington	91	26,776	20,484	20,034	3,301	55	1,571	494	0	6,023	272	8,318
Mississippi State U.	92	16,118	17,231	20,002	8,096	488	6,591	1,776	138	236	1,051	1,626
Temple U.	93	25,449	19,778	19,912	3,578	581	3,720	4,328	2,480	965	676	3,584
Montana State U., Bozeman	94	18,842	18,838	19,869	1,831	174	3,546	1,736	0	0	1,207	11,375
U. North Carolina, Greensboro	95	13,602	18,041	19,100	338	0	14,370	239	0	1,761	40	2,352
Virginia Polytechnic Institute and State U.	96	10,169	10,563	18,633	4,875	307	2,006	291	0	0	901	10,253
George Washington U.	97	20,624	17,607	18,306	4,437	9	5,512	1,209	2,609	0	105	4,425
U. Illinois, Chicago	98	16,086	17,681	17,810	1,273	147	4,801	5,726	0	2,394	423	3,046

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## Higher education R&amp;D expenditures in non-science and engineering fields, ranked by all FY 2022 non-S&amp;E fields: FYs 2020–22 and by subfield for FY 2022

(Dollars in thousands)

Institution	Rank	2020	2021	2022								
				All non-S&E fields	Business management and business administration	Communication and communications technologies	Education	Humanities	Law	Social work	Visual and performing arts	Other
Illinois State U.	99	24,411	16,488	17,699	118	0	13,073	40	0	20	0	4,448
U. Memphis	100	15,270	16,971	17,033	4,961	379	3,625	1,652	869	310	1,655	3,582
Carnegie Mellon U.	101	13,865	15,836	17,006	9,058	157	221	4,683	0	0	2,771	116
Princeton U.	102	14,088	14,796	16,760	0	148	12	11,047	0	0	4,332	1,221
San Jose State U.	103	6,827	11,569	16,508	8,735	293	2,893	3,838	0	28	0	721
Wichita State U.	104	14,146	17,381	16,009	1,608	4	362	3,763	0	1	1,178	9,093
U. Nevada, Reno	105	15,463	16,820	15,943	5,967	503	1,072	1,924	1,650	52	1,718	3,057
Duke U.	106	16,429	15,403	15,868	12,685	0	0	1,534	761	0	235	653
Kent State U.	107	16,378	14,368	15,735	5,030	1,309	4,742	2,113	0	0	1,004	1,537
North Carolina State U.	108	18,201	17,811	15,453	57	0	8,693	6,703	0	0	0	0
Brandeis U.	109	13,443	14,906	15,399	655	44	825	6,413	63	0	1,222	6,177
Tulane U.	110	13,706	13,338	15,158	7	142	0	1,596	5,648	0	329	7,436
U. New Hampshire	111	11,057	14,573	14,692	4,272	718	3,399	3,690	827	776	522	488
Baylor U.	112	8,452	6,722	14,487	3,751	496	787	7,848	23	705	225	652
U. Vermont	113	12,319	13,013	14,448	3,363	363	2,473	6,150	0	304	1,670	125
Kansas State U.	114	14,161	13,647	13,919	2,059	302	2,847	1,652	0	0	1,339	5,720
U. Rhode Island	115	7,908	9,030	13,913	1,364	613	1,504	597	145	819	132	8,739
U. Chicago	116	10,487	8,646	13,451	1,490	0	3,422	882	181	5,171	11	2,294
U. Kentucky	117	11,543	10,441	13,160	3,551	370	1,057	1,492	124	1,854	697	4,015
U. California, Davis	118	12,019	12,023	13,147	255	431	7,479	809	555	0	3,590	28
Fordham U.	119	14,984	11,252	12,878	3,255	425	1,230	3,231	2,704	975	0	1,058
Brown U.	120	9,256	12,193	12,850	16	10	5,899	2,862	3	0	292	3,768
Chapman U.	121	12,709	9,226	12,712	779	544	2,075	145	837	0	37	8,295
U. California, Santa Barbara	122	12,911	16,161	12,454	7,794	291	2,519	1,747	0	0	103	0
Georgia Southern U.	123	2,117	11,909	12,207	3,685	417	3,007	2,640	390	15	1,453	600
U. Louisville	124	13,949	12,590	12,133	3,084	346	2,552	792	514	3,056	890	899
William & Mary	125	10,906	10,738	11,811	1,540	0	7,023	1,247	1,928	0	40	33
U. Alabama, Birmingham	126	9,681	7,879	11,712	25	2	6,627	95	0	446	0	4,517
U. Montana, Missoula	127	8,714	9,277	11,706	914	260	3,093	1,108	772	4,950	0	609
U. Texas Rio Grande Valley	128	9,092	9,737	11,699	3,149	349	1,720	686	0	449	1,388	3,958
New Jersey Institute of Technology	129	16,812	23,397	11,694	1,928	0	7,065	945	0	0	0	1,756
California State U., East Bay	130	3,557	4,748	11,585	1,625	63	9,355	101	0	37	45	359
U. North Dakota	131	9,616	10,565	11,435	1,175	456	4,019	1,603	1,807	158	860	1,357

TABLE 58

## Higher education R&amp;D expenditures in non-science and engineering fields, ranked by all FY 2022 non-S&amp;E fields: FYs 2020–22 and by subfield for FY 2022

(Dollars in thousands)

Institution	Rank	2020	2021	2022								
				All non-S&E fields	Business management and business administration	Communication and communications technologies	Education	Humanities	Law	Social work	Visual and performing arts	Other
Montclair State U.	132	7,032	5,920	11,396	2,328	636	3,033	3,083	86	491	1,405	334
Colorado State U., Fort Collins	133	23,258	15,066	11,372	289	288	6,036	3,308	622	396	363	70
CUNY, John Jay C. of Criminal Justice	134	9,382	9,883	11,352	0	0	0	353	10,827	0	15	157
Wayne State U.	135	13,506	12,825	11,251	216	37	2,923	379	26	6,286	174	1,210
Louisiana State U., Baton Rouge	136	8,922	13,166	11,158	1,830	685	817	707	748	669	176	5,526
U. Maine	137	9,184	10,082	10,851	1,627	1,043	1,865	2,278	0	751	548	2,739
U. Connecticut	138	9,734	6,239	10,677	1,684	165	1,597	1,029	96	3,091	1,515	1,500
U. Pittsburgh, Pittsburgh	139	12,685	10,594	10,492	452	13	4,545	288	387	2,059	7	2,741
U. Texas, Dallas	140	12,661	9,866	10,177	8,070	0	640	1,467	0	0	0	0
Johns Hopkins U. <sup>d</sup>	141	5,825	6,448	10,120	0	0	0	9,994	0	0	0	126
Marquette U.	142	7,984	7,718	9,767	900	1,234	138	2,154	914	0	201	4,226
Rhode Island C.	143	8,656	9,361	9,760	1,174	4	7,685	12	0	875	0	10
U. Maryland, Baltimore County	144	4,198	2,760	9,562	28	29	3,669	3,358	0	186	1,022	1,270
Drexel U.	145	8,331	8,650	9,359	1	16	2,953	717	13	0	257	5,402
U. North Florida	146	8,083	10,424	9,343	3,935	13	4,842	177	0	0	155	221
North Dakota State U.	147	5,778	14,067	8,936	5,340	491	257	1,067	0	0	525	1,256
U. Alabama, Huntsville	148	7,326	7,902	8,906	2,817	105	4,886	700	0	4	363	31
Florida A&M U.	149	7,125	11,179	8,850	766	0	2,206	0	364	0	0	5,514
U. Massachusetts, Lowell	150	6,870	7,397	8,832	3,282	0	2,129	2,000	0	0	598	823
East Carolina U.	151	10,697	9,609	8,709	2,857	3	3,039	624	0	506	18	1,662
Yale U.	152	14,439	17,371	8,568	1,992	0	1,230	3,782	44	0	251	1,269
Portland State U.	153	10,013	8,215	8,466	42	310	1,824	733	0	1,797	105	3,655
Catholic U. of America	154	1,122	8,991	8,156	0	0	0	3,174	73	142	0	4,767
U. Southern Mississippi	155	7,826	6,970	8,034	44	9	4,206	681	0	1	864	2,229
West Virginia U.	156	8,103	8,956	8,001	2,383	290	2,190	483	171	69	39	2,376
Cleveland State U.	157	6,097	5,477	7,970	1,799	0	2,225	4	1,001	37	0	2,904
Middle Tennessee State U.	158	3,917	8,291	7,900	605	668	602	3,878	0	56	1,174	917
Rochester Institute of Technology	159	8,205	7,530	7,817	12	2	5,679	211	0	0	1,512	401
CUNY, Hunter C.	160	4,394	2,962	7,692	0	0	2,644	1,812	0	2,531	391	314
Colorado School of Mines	161	3,754	1,979	7,540	45	0	108	10	30	0	0	7,347
Indiana U.-Purdue U., Indianapolis	162	7,301	6,475	7,478	1,667	4	1,691	898	34	1,207	433	1,544
Rensselaer Polytechnic Institute	163	8,367	8,476	7,477	2,491	69	0	0	0	0	947	3,970
Wake Forest U.	164	3,372	5,051	7,369	0	90	505	5,252	339	0	445	738

TABLE 58

## Higher education R&amp;D expenditures in non-science and engineering fields, ranked by all FY 2022 non-S&amp;E fields: FYs 2020–22 and by subfield for FY 2022

(Dollars in thousands)

Institution	Rank	2020	2021	2022								
				All non-S&E fields	Business management and business administration	Communication and communications technologies	Education	Humanities	Law	Social work	Visual and performing arts	Other
U. Wyoming	165	1,323	972	7,226	2,644	400	1,475	1,185	104	185	573	660
U. New Orleans	166	2,908	3,581	7,222	188	0	11	629	0	0	0	6,394
Villanova U.	167	5,091	5,526	7,073	989	83	379	3,535	358	0	53	1,676
Western Michigan U. and Homer Stryker M.D. School of Medicine	168	9,191	7,642	6,918	49	18	6,369	131	0	276	69	6
Loyola Marymount U.	169	2,704	7,383	6,745	303	272	4,321	1,269	530	0	0	50
New School	170	3,931	4,119	6,625	28	350	2,358	643	0	975	1,332	939
North Carolina A&T State U.	171	4,769	5,562	6,482	1,243	0	1,018	0	0	165	0	4,056
Northern Illinois U.	172	8,745	5,904	6,348	868	0	387	0	0	0	269	4,824
U. Wisconsin-Milwaukee	173	6,287	6,083	6,317	26	322	822	2,908	0	724	184	1,331
Salisbury U.	174	5,064	5,596	6,262	816	64	2,428	178	2	1,843	39	892
High Tech High Graduate School of Ed.	175	3,304	5,032	6,203	0	0	6,203	0	0	0	0	0
Miami U.	176	2,681	2,093	6,144	1,213	331	1,693	1,271	0	14	164	1,458
Bowling Green State U.	177	7,030	6,202	5,979	52	0	4,265	414	0	0	223	1,025
James Madison U.	178	4,078	6,000	5,976	1,151	306	1,529	553	0	0	1,008	1,429
Oregon State U.	179	5,959	5,737	5,928	0	0	93	0	0	0	0	5,835
U. Puerto Rico, Rio Piedras	180	5,007	9,099	5,924	309	19	685	107	0	0	0	4,804
U. California, Riverside	181	6,973	6,186	5,900	109	0	2,359	1,416	0	0	24	1,992
Rice U.	182	6,468	6,601	5,892	694	0	3,633	1,262	0	0	32	271
U. New Mexico	183	6,126	5,184	5,803	610	875	2,416	441	523	0	155	783
Delaware State U.	184	3,478	3,999	5,582	300	0	4,755	0	0	527	0	0
Kennesaw State U.	185	3,399	4,719	5,577	2,197	481	816	1,609	0	377	22	75
Claremont Graduate U.	186	5,038	3,954	5,562	3,384	0	2,178	0	0	0	0	0
Louisiana Tech U.	187	6,214	6,637	5,207	3,434	245	341	394	0	0	654	139
Naval Postgraduate School	188	4,627	6,861	5,161	1,853	63	732	0	0	0	0	2,513
Rutgers, State U. New Jersey, Newark	189	4,888	3,602	5,039	2,322	0	137	169	1,814	1	81	515
U. San Diego	190	4,707	3,806	5,029	589	128	1,680	1,038	1,019	0	143	432
CUNY, City C.	191	1,457	2,183	4,998	0	14	2,612	0	3	0	27	2,342
U. California, Santa Cruz	192	3,629	3,776	4,989	0	133	393	3,088	0	0	1,375	0
Old Dominion U.	193	6,842	3,854	4,982	479	13	2,959	210	0	0	81	1,240
Ohio U.	194	9,545	5,565	4,975	1,198	55	1,325	672	0	271	406	1,048
U. Colorado Denver <sup>e</sup>	195	na	4,972	4,957	377	42	2,804	77	220	46	100	1,291
Utah State U.	196	3,362	3,084	4,887	31	85	2,186	278	0	48	281	1,978
Brigham Young U., Provo	197	4,759	4,163	4,876	1,175	51	983	1,462	193	0	308	704

TABLE 58

## Higher education R&amp;D expenditures in non-science and engineering fields, ranked by all FY 2022 non-S&amp;E fields: FYs 2020–22 and by subfield for FY 2022

(Dollars in thousands)

Institution	Rank	2020	2021	2022								
				All non-S&E fields	Business management and business administration	Communication and communications technologies	Education	Humanities	Law	Social work	Visual and performing arts	Other
U. North Carolina, Charlotte	198	4,869	4,419	4,862	585	10	2,244	541	0	337	59	1,086
Northwest Indian C.	199	3,078	3,958	4,841	0	65	4,776	0	0	0	0	0
U. Toledo	200	2,257	1,540	4,834	220	7	3,811	114	0	471	12	199
U. Washington, Bothell	201	5,847	6,065	4,831	531	254	3,837	0	0	0	0	209
Winston-Salem State U.	202	1,403	1,233	4,758	278	107	769	41	0	0	0	3,563
U. California, Merced	203	2,545	6,097	4,702	355	14	1,032	925	0	0	672	1,704
Naval War C.	204	5,220	4,748	4,600	0	0	0	0	0	0	0	4,600
U. Miami	205	940	711	4,537	1	26	1,524	326	2,605	0	55	0
Seton Hall U.	206	5,179	4,317	4,535	0	0	4,535	0	0	0	0	0
Tufts U.	207	6,958	3,927	4,449	76	0	1,503	1,188	211	91	292	1,088
SUNY, Stony Brook U.	208	3,267	4,113	4,347	110	580	355	1,507	0	1,004	659	132
Morgan State U.	209	274	1,740	4,304	458	0	2,851	103	0	441	0	451
California State U., Fullerton	210	472	2,643	4,242	744	657	575	1,398	0	7	542	319
Sam Houston State U.	211	6,679	6,893	4,219	76	17	2,338	91	387	0	43	1,267
U. South Dakota	212	4,513	4,646	4,182	1,081	21	457	922	614	535	444	108
California Polytechnic State U., San Luis Obispo	213	2,926	3,412	4,155	2,798	32	1,012	313	0	0	0	0
California State U., San Bernardino	214	3,404	3,608	4,082	23	22	3,852	7	0	12	43	123
Texas A&M U.-Corpus Christi	215	4,038	3,430	4,023	174	4	1,371	29	0	0	18	2,427
U. Oklahoma, Tulsa	216	2,892	3,753	4,006	0	0	3,096	0	0	821	0	89
Florida Gulf Coast U.	217	3,217	3,140	3,879	5	8	2,394	0	44	48	12	1,368
U. Baltimore	218	11,598	11,757	3,761	0	0	0	0	120	0	0	3,641
William Paterson U.	219	4,631	3,867	3,635	865	200	1,211	960	0	38	333	28
CUNY, Graduate Center	220	1,174	913	3,628	0	0	296	1,806	3	0	42	1,481
Bryn Mawr C.	221	6,067	4,184	3,584	0	0	118	2,746	0	527	193	0
Duquesne U.	222	3,634	2,932	3,565	1,216	0	716	343	440	0	6	844
Eastern Michigan U.	223	2,504	2,391	3,516	1,041	19	1,078	651	57	230	369	71
Long Island U.	224	3,849	4,407	3,505	963	0	568	1,417	0	287	0	270
California State U., Sacramento	225	3,514	3,627	3,407	888	0	1,684	358	0	83	136	258
Lehigh U.	225	1,637	2,161	3,407	54	62	2,830	222	0	0	0	239
U. Idaho	227	3,626	3,259	3,405	19	1	1,759	328	0	8	15	1,275
Nova Southeastern U.	228	559	328	3,403	3,052	22	98	0	106	22	0	103
Worcester Polytechnic Institute	229	1,143	1,452	3,377	2,169	0	0	247	0	0	0	961
U. Hawaii, Manoa	230	2,609	3,076	3,355	47	114	1,320	92	13	948	4	817



TABLE 58

## Higher education R&amp;D expenditures in non-science and engineering fields, ranked by all FY 2022 non-S&amp;E fields: FYs 2020–22 and by subfield for FY 2022

(Dollars in thousands)

Institution	Rank	2020	2021	2022								
				All non-S&E fields	Business management and business administration	Communication and communications technologies	Education	Humanities	Law	Social work	Visual and performing arts	Other
Western Washington U.	231	2,508	2,405	3,312	60	40	1,551	1,310	0	0	340	11
Tarleton State U.	232	2,637	3,041	3,262	753	170	1,318	413	478	0	0	130
Saint Louis U.	233	2,670	3,535	3,175	0	123	1,720	309	416	509	49	49
Florida Atlantic U.	234	3,843	3,491	3,155	1,159	0	417	1	0	271	0	1,307
Michigan Technological U.	235	3,196	3,208	3,104	1,755	0	267	854	0	0	228	0
Prairie View A&M U.	236	2,620	2,715	3,068	0	0	435	233	2,224	0	0	176
U. Missouri, Saint Louis	236	2,676	3,148	3,068	279	29	1,368	491	0	257	0	644
Grinnell C.	238	2,905	1,993	3,026	0	0	464	2,041	0	0	507	14
Southern Connecticut State U.	239	1,887	2,883	2,983	1,074	10	334	787	0	189	223	366
Hofstra U.	240	468	2,438	2,981	858	197	360	415	954	0	162	35
Texas Christian U.	241	1,736	2,261	2,926	49	0	2,801	0	0	76	0	0
Boise State U.	242	4,388	2,898	2,921	526	85	1,533	304	0	79	282	112
Wesleyan U.	243	2,329	2,413	2,867	0	525	1,290	855	0	0	176	21
West Chester U. Pennsylvania	244	3,552	2,056	2,717	445	53	450	451	0	107	101	1,110
Marshall U.	245	3,230	2,065	2,710	724	0	1,370	0	0	0	0	616
Towson U.	246	353	504	2,563	744	181	567	497	25	0	460	89
San Francisco State U.	247	2,651	2,886	2,558	525	301	415	246	8	0	236	827
U. Rochester	248	1,437	2,197	2,541	166	0	1,951	34	0	0	56	334
Ball State U.	249	2,658	2,564	2,528	478	0	552	121	18	376	0	983
U. North Carolina, Wilmington	250	1,539	1,605	2,419	708	0	834	113	0	0	356	408
Northern Arizona U.	251	1,908	1,571	2,397	50	142	2,000	174	26	0	0	5
New Mexico Institute of Mining and Technology	252	324	258	2,373	177	0	0	3	0	0	0	2,193
U. Puerto Rico, Mayaguez	253	657	2,046	2,360	1,060	290	451	14	0	0	101	444
Clarkson U.	254	1,009	1,253	2,338	645	96	710	171	0	0	0	716
Pratt Institute	255	ne	2,547	2,325	0	0	0	0	0	0	0	2,325
U. Tennessee, Chattanooga	256	1,774	1,812	2,294	1,833	53	203	94	0	0	0	111
Johnson C. Smith U.	257	1,385	2,157	2,291	86	65	431	61	0	587	0	1,061
Winthrop U.	258	1,017	1,145	2,263	0	0	2,222	0	0	40	1	0
Indiana U. Pennsylvania	259	2,863	2,931	2,243	1,074	132	175	805	0	0	17	40
U. North Carolina, Asheville	260	1,857	1,695	2,241	165	40	863	466	0	565	0	142
DePaul U.	261	803	1,382	2,233	235	469	676	64	105	111	318	255
Augusta U.	262	75	65	2,187	648	425	423	0	0	0	356	335
North Carolina Central U.	263	2,134	2,265	2,186	76	0	2,070	0	0	40	0	0



TABLE 58

## Higher education R&amp;D expenditures in non-science and engineering fields, ranked by all FY 2022 non-S&amp;E fields: FYs 2020–22 and by subfield for FY 2022

(Dollars in thousands)

Institution	Rank	2020	2021	2022								
				All non-S&E fields	Business management and business administration	Communication and communications technologies	Education	Humanities	Law	Social work	Visual and performing arts	Other
Virginia State U.	264	2,188	1,339	2,174	17	0	1,652	0	0	0	0	505
La Sierra U.	265	1,467	1,511	2,165	128	1	1,105	416	0	0	87	428
U. Colorado Anschutz Medical Campus <sup>e</sup>	266	na	1,328	2,142	0	0	405	599	0	418	0	720
California State U., Bakersfield	267	1,151	1,645	2,119	394	145	1,168	238	122	0	0	52
Colorado C.	267	1,463	4,781	2,119	0	0	216	443	0	0	964	496
Missouri U. of Science and Technology	269	188	2,768	2,115	4	24	3	8	0	0	0	2,076
Lawrence Technological U.	270	646	1,091	2,102	1,470	0	26	2	0	0	0	604
Erikson Institute	271	1,992	1,723	2,068	0	0	2,068	0	0	0	0	0
U. Dayton	272	1,502	1,487	2,058	57	20	1,499	0	0	103	72	307
California State U., Long Beach	273	784	924	2,026	4	183	444	535	0	569	80	211
Loyola U., Chicago	274	1,155	1,694	1,987	26	0	637	32	8	772	0	512
Western U. of Health Sciences	275	1,033	1,090	1,986	0	0	1,986	0	0	0	0	0
U. Missouri, Kansas City	276	1,661	2,099	1,972	342	0	679	298	6	0	187	460
California State U., Northridge	277	1,823	1,353	1,914	127	0	1,387	131	169	0	0	100
U. Alaska, Fairbanks	278	1,935	2,034	1,856	105	20	632	81	0	0	0	1,018
Wellesley C.	279	3,131	1,551	1,812	0	203	1,050	35	0	0	81	443
Texas A&M International U.	280	1,354	1,404	1,785	103	0	238	5	0	0	48	1,391
Purdue U., Northwest	281	1,424	1,387	1,768	803	0	194	43	0	0	156	572
Creighton U.	282	1,440	1,604	1,759	405	68	440	238	188	108	55	257
Saint Joseph's U.	283	1,402	1,524	1,732	829	10	834	54	0	0	5	0
U. Virginia's C. Wise	284	ne	1,964	1,721	656	0	91	0	0	0	0	974
Calvin U.	285	864	1,253	1,642	0	282	72	1,240	0	0	48	0
Texas Tech U., Health Sciences Center	286	1,033	1,016	1,613	0	0	1,567	0	0	0	0	46
Franklin and Marshall C.	287	1,704	1,523	1,611	95	0	233	146	0	0	83	1,054
Texas A&M U.-Kingsville	288	2,177	2,298	1,593	78	0	1,449	0	0	0	0	66
Stevens Institute of Technology	289	2,107	2,073	1,575	557	0	854	129	0	0	32	3
U. South Alabama	290	531	1,110	1,571	4	24	767	19	0	0	0	757
Texas Southern U.	291	1,538	1,248	1,544	0	0	0	0	0	0	0	1,544
St. Cloud State U.	292	2,016	1,200	1,510	0	6	1,458	0	0	0	21	25
Azusa Pacific U.	293	3,459	2,852	1,498	23	75	243	979	0	48	56	74
St. Edward's U.	294	4,242	4,738	1,479	65	35	974	75	0	300	30	0
Colorado State U., Pueblo	295	1,167	831	1,468	0	0	0	0	0	0	0	1,468
Fayetteville State U.	296	812	1,661	1,461	194	255	962	0	0	0	50	0

TABLE 58

## Higher education R&amp;D expenditures in non-science and engineering fields, ranked by all FY 2022 non-S&amp;E fields: FYs 2020–22 and by subfield for FY 2022

(Dollars in thousands)

Institution	Rank	2020	2021	2022								
				All non-S&E fields	Business management and business administration	Communication and communications technologies	Education	Humanities	Law	Social work	Visual and performing arts	Other
Lewis and Clark C.	297	1,443	1,345	1,448	0	0	70	6	1,370	0	2	0
Pacific U.	298	1,302	923	1,414	79	0	780	344	0	5	0	206
New Mexico State U.	299	1,458	1,060	1,408	141	31	499	156	0	36	39	506
Williams C.	299	1,375	1,342	1,408	0	0	0	876	41	0	491	0
U. Alaska, Anchorage	301	590	742	1,399	334	0	525	0	0	497	0	43
Reed C.	302	1,493	1,450	1,397	0	0	0	1,397	0	0	0	0
Texas A&M U.-Commerce	303	1,622	1,796	1,381	156	16	486	11	0	5	11	696
Texas Woman's U.	304	897	1,093	1,371	11	0	941	0	0	0	0	419
Pace U.	305	1,195	1,303	1,370	165	0	1,066	48	47	0	0	44
U. Nebraska, Omaha	306	3,256	1,452	1,366	56	0	322	26	0	0	23	939
Jackson State U.	307	102	1,335	1,363	0	0	1,323	40	0	0	0	0
U. Central Oklahoma	308	4,366	4,508	1,358	739	0	0	538	0	0	81	0
Swarthmore C.	309	1,004	900	1,342	0	0	134	393	0	0	815	0
Kean U.	310	1,125	3,145	1,341	239	0	375	462	0	4	175	86
U. of the District of Columbia	311	648	1,050	1,304	0	0	0	0	0	0	0	1,304
California State U., Dominguez Hills	312	255	705	1,299	36	14	1,139	64	6	0	20	20
Rutgers, State U. New Jersey, Camden	313	599	1,259	1,288	0	0	2	16	35	0	0	1,235
U. Massachusetts, Dartmouth	314	1,510	743	1,284	13	229	1,002	0	11	0	28	1
Babson C.	315	2,352	1,286	1,270	112	0	0	752	22	0	384	0
Embry-Riddle Aeronautical U.	316	350	776	1,268	157	382	613	8	0	0	0	108
U. Texas of the Permian Basin	317	1,166	1,236	1,203	102	8	761	323	0	0	9	0
C. Charleston	318	1,586	1,252	1,192	210	52	131	359	0	0	143	297
MGH Institute of Health Professions	319	535	537	1,177	0	0	1,177	0	0	0	0	0
Case Western Reserve U.	320	2,053	1,935	1,156	149	0	989	3	5	0	0	10
Tennessee Technological U.	321	472	771	1,150	106	0	411	5	0	0	3	625
Texas Tech U., Health Sciences Center, El Paso	322	127	805	1,133	0	0	958	0	0	0	0	175
Central Michigan U.	323	1,398	1,336	1,101	389	47	47	29	0	0	13	576
Pennsylvania State U., Harrisburg	324	68	286	1,095	223	0	702	0	0	170	0	0
Yeshiva U.	325	0	1,369	1,086	41	0	0	0	1,007	10	0	28
Lamar U.	326	1,988	1,580	1,082	232	54	463	52	0	0	3	278
Pepperdine U.	326	853	1,091	1,082	125	44	438	104	266	0	45	60
Hamilton C.	328	1,084	966	1,064	0	2	254	275	0	0	492	41
U. Central Arkansas	329	1,348	2,051	1,057	36	0	791	176	0	0	54	0

TABLE 58

## Higher education R&amp;D expenditures in non-science and engineering fields, ranked by all FY 2022 non-S&amp;E fields: FYs 2020–22 and by subfield for FY 2022

(Dollars in thousands)

Institution	Rank	2020	2021	2022								
				All non-S&E fields	Business management and business administration	Communication and communications technologies	Education	Humanities	Law	Social work	Visual and performing arts	Other
Suffolk U.	330	1,261	1,408	1,022	800	0	94	0	128	0	0	0
U. Colorado Colorado Springs	331	1,172	843	981	43	14	275	0	0	1	2	646
East Tennessee State U.	332	307	1,053	967	399	0	215	0	0	0	0	353
Grambling State U.	333	1,572	886	961	0	0	200	65	0	635	0	61
U. Tulsa	334	300	761	960	5	3	428	379	10	0	20	115
Southern Illinois U., Edwardsville	335	4,013	4,441	959	0	0	0	440	30	0	205	284
Oakland U.	336	98	598	953	45	1	698	16	0	0	0	193
Colgate U.	337	750	499	952	0	0	85	809	0	0	58	0
Howard U.	338	856	970	948	0	248	35	0	0	665	0	0
Willamette U.	339	881	1,007	945	23	0	267	19	243	0	13	380
U. Houston-Downtown	340	1,617	834	937	0	0	639	0	0	0	225	73
CUNY, Baruch C.	341	153	224	934	152	0	0	97	0	13	8	664
California State Polytechnic U., Pomona	342	245	133	909	14	0	0	0	0	0	0	895
U. Northern Colorado	343	1,376	850	906	125	71	626	14	0	0	2	68
U. Maryland Center for Environmental Science	344	884	879	904	0	0	870	0	34	0	0	0
Appalachian State U.	345	753	859	888	152	4	472	114	1	56	1	88
Citadel Military C. South Carolina	346	319	557	868	22	0	813	33	0	0	0	0
Elon U.	347	1,078	1,111	865	291	146	62	193	11	0	129	33
Hope C.	348	665	782	859	0	2	240	184	0	0	47	386
California State U., San Marcos	349	1,332	993	854	33	0	349	14	0	0	16	442
Hawaii Pacific U.	350	0	32	828	0	0	266	3	0	521	0	38
U. Nebraska, central administration	351	858	364	824	0	0	0	0	0	0	0	824
Eastern Connecticut State U.	352	742	795	822	85	0	185	548	0	3	0	1
Seattle U.	353	1,152	1,053	816	0	0	743	9	37	0	0	27
U. Nebraska, Kearney	354	116	334	813	26	382	132	1	0	1	1	270
U. of Mary Washington	355	944	687	806	553	0	0	214	0	0	0	39
U. Illinois, Springfield	356	547	326	799	0	0	594	22	0	0	0	183
U. Arkansas, Little Rock	357	828	501	796	0	0	506	0	204	0	0	86
Smith C.	358	638	452	795	0	0	25	386	0	4	231	149
Drake U.	359	ne	704	792	0	0	618	0	71	0	0	103
CUNY, Brooklyn C.	360	556	550	788	0	0	18	99	0	0	11	660
U. North Georgia	361	1,542	819	783	0	0	741	42	0	0	0	0
Florida Institute of Technology	362	995	957	778	176	8	0	0	0	0	0	594

TABLE 58

## Higher education R&amp;D expenditures in non-science and engineering fields, ranked by all FY 2022 non-S&amp;E fields: FYs 2020–22 and by subfield for FY 2022

(Dollars in thousands)

Institution	Rank	2020	2021	2022								
				All non-S&E fields	Business management and business administration	Communication and communications technologies	Education	Humanities	Law	Social work	Visual and performing arts	Other
Stephen F. Austin State U.	363	1,216	684	777	3	0	360	123	0	166	38	87
U. Guam	364	369	454	773	0	0	715	0	0	0	0	58
Purdue U., Fort Wayne	365	884	1,178	771	7	0	0	91	0	0	6	667
Coastal Carolina U.	366	0	183	769	186	52	155	98	0	0	197	81
Austin Peay State U.	367	859	657	758	1	0	44	7	0	0	478	228
South Carolina State U.	368	673 i	697 i	757 i	139 i	0 i	618 i	0 i	0 i	0 i	0 i	0 i
Amherst C.	369	915	410 i	723	0	0	0	620	0	0	103	0
CUNY, Lehman C.	370	725	1,213	719	0	6	128	43	0	10	32	500
Southeastern Louisiana U.	371	694	652	707	707	0	0	0	0	0	0	0
West Texas A&M U.	372	732	906	694	0	0	275	0	0	0	0	419
Carleton C.	373	974	816	687	0	0	0	369	0	0	318	0
Framingham State U.	374	0	0 i	676 i	214 i	0 i	326 i	136 i	0 i	0 i	0 i	0 i
Southern U. and A&M C., Baton Rouge	375	617	1,044	671	5	0	45	595	0	0	0	26
Santa Clara U.	376	113	352	659	92	49	214	45	138	0	0	121
U. South Carolina, Aiken	377	101	48	639	5	3	125	486	0	0	0	20
California State Polytechnic U., Humboldt	378	337	454	627	0	6	292	0	0	31	0	298
Biola U.	379	545 i	570 i	619	0	0	0	619	0	0	0	0
Western Kentucky U.	380	1,219	852	617	92	37	280	134	0	53	21	0
Northwestern State U. Louisiana	381	599	419	614	202	234	112	0	0	5	55	6
Morehouse C.	382	139	431	608	199	0	0	0	0	0	193	216
California State U., Chico	383	634	575	606	0	0	594	0	0	0	0	12
Trinity U.	384	638	307	581	36	32	10	237	0	0	238	28
U. San Francisco	385	1,004	368	578	61	15	258	81	0	0	12	151
Fort Lewis C.	386	0	20	573	0	0	163	36	0	0	0	374
U. Washington, Tacoma	387	325	429	562	423	0	68	0	0	69	0	2
Northeastern Illinois U.	388	640	543	561	0	0	561	0	0	0	0	0
East Stroudsburg U. Pennsylvania	389	ne	ne	550	2	0	544	0	0	0	4	0
Saginaw Valley State U.	390	42	42 i	546 i	43 i	10 i	366 i	40 i	81 i	0 i	6 i	0 i
Elizabeth City State U.	391	463	398	544	0	2	470	72	0	0	0	0
California State U., Fresno	392	509	929	541	84	0	231	171	0	0	0	55
U. of St. Thomas (MN)	393	632	675	540	0	0	196	0	151	0	0	193
Haverford C.	394	0	411 i	526 i	0 i	0 i	0 i	526 i	0 i	0 i	0 i	0 i
South Dakota State U.	394	339	389	526	0	101	41	1	0	0	0	383

TABLE 58

## Higher education R&amp;D expenditures in non-science and engineering fields, ranked by all FY 2022 non-S&amp;E fields: FYs 2020–22 and by subfield for FY 2022

(Dollars in thousands)

Institution	Rank	2020	2021	2022								
				All non-S&E fields	Business management and business administration	Communication and communications technologies	Education	Humanities	Law	Social work	Visual and performing arts	Other
Dillard U.	396	36	795	524	0	0	330	112	57	0	6	19
Sul Ross State U.	397	0	0	521	105	17	185	67	0	11	0	136
California State U., Los Angeles	398	402	490	519	0	1	473	0	0	0	0	45
Grand Valley State U.	399	438	494	512	13	5	17	30	2	3	9	433
Western Carolina U.	400	344	406	505	44	0	108	2	0	276	10	65
U. Wisconsin-Oshkosh	401	209	224	501	45	13	246	64	0	6	127	0
National Defense U.	402	2,000	1,200	500	0	0	500	0	0	0	0	0
U. Akron	403	901	593	494	126	40	46	181	15	0	51	35
Pennsylvania State U., Behrend	404	30	407	479	19	13	436	2	0	0	9	0
Roger Williams U.	405	246	384	467	2	0	235	0	134	0	0	96
Colby C.	406	146	539	449	0	0	48	279	0	0	83	39
CUNY, New York City C. of Technology	407	228	338	431	0	6	0	20	0	0	0	405
Indiana State U.	408	403	365	426	19	5	388	0	0	0	0	14
U. Minnesota, Duluth	409	503	491	425	112	3	53	13	0	3	60	181
U. Michigan, Dearborn	410	636	298	414	216	0	27	22	0	0	0	149
Hampton U.	411	560	488	413	188	0	8	0	0	0	0	217
CUNY, Queens C.	412	864	1,117	407	0	53	230	67	0	0	16	41
Saint John's U.	413	599	352	406	32	6	194	126	0	0	48	0
U.S. Military Academy	414	601	656	402	5	0	0	364	20	0	0	13
Alabama A&M U.	415	512	455	386	37	11	199	17	0	37	4	81
Bucknell U.	416	406	340	385	67	0	10	157	0	0	87	64
Christopher Newport U.	416	364	283	385	6	100	0	221	0	0	38	20
C. of Saint Benedict	418	582	322	372	31	5	178	113	0	0	45	0
Vassar C.	419	15	108	366	0	0	100	193	0	0	73	0
Norfolk State U.	420	32	8	359	0	0	124	0	0	22	0	213
Bowdoin C.	421	165	305	358	0	0	169	99	0	0	42	48
Claremont McKenna C.	422	443	311	348	0	0	0	348	0	0	0	0
CUNY, C. Staten Island	423	148	134	347	0	0	8	89	0	12	21	217
St. John's U., New York	423	352	244	347	0	3	157	34	85	0	0	68
Albion C.	425	266	259	344	15	7	163	101	3	0	55	0
Kettering U.	426	310	928	341	272	0	61	0	0	8	0	0
Manhattan C.	427	243	342	323	167	0	156	0	0	0	0	0
U. Richmond	427	396	177	323	151	35	0	103	0	0	29	5

TABLE 58

## Higher education R&amp;D expenditures in non-science and engineering fields, ranked by all FY 2022 non-S&amp;E fields: FYs 2020–22 and by subfield for FY 2022

(Dollars in thousands)

Institution	Rank	2020	2021	2022																			
				All non-S&E fields	Business management and business administration	Communication and communications technologies	Education	Humanities	Law	Social work	Visual and performing arts	Other											
Sonoma State U.	429	86	79	318	0	10	171	107	0	0	0	30											
Marymount U.	430	ne	495	303	5	0	142	93	0	0	0	63											
SUNY, C. of Environmental Science and Forestry	431	296	295	298	i	223	i	15	i	0	i	43	i	17	i								
Barnard C.	432	299	508	295	0	0	181	75	0	0	39	0											
Northern Michigan U.	433	360	237	288	102	0	19	163	0	1	0	3											
Bentley U.	434	ne	ne	286	0	0	286	0	0	0	0	0											
Spelman C.	435	614	396	277	0	0	0	0	0	0	0	277											
U. of the Incarnate Word	436	61	87	275	36	0	0	0	0	0	0	239											
C. Wooster	437	253	246	i	274	0	4	0	177	0	0	74	19										
Gallaudet U.	438	1,695	10	273	0	225	0	0	0	0	0	48											
Touro U., California	439	12	14	271	0	0	0	0	0	0	0	271											
Macalester C.	440	190	147	268	0	0	0	237	0	0	31	0											
Pomona C.	441	273	268	262	0	0	0	167	0	0	95	0											
U. Texas, Tyler	442	125	165	261	33	0	141	0	0	0	0	87											
Lafayette C.	443	205	156	256	0	0	0	114	0	0	55	87											
Idaho State U.	444	246	207	254	5	4	131	53	0	0	12	49											
Northland C.	444	ne	215	i	254	i	58	i	0	i	137	i	59	i	0	i							
Troy U.	446	103	154	246	45	1	154	8	0	18	6	14											
Mount Holyoke C.	447	121	181	244	0	29	59	0	0	0	141	15											
Clark U.	448	482	181	243	0	0	119	0	0	0	0	124											
Bowie State U.	449	599	418	239	0	0	0	0	0	0	0	239											
Tougaloo C.	450	0	0	i	238	i	15	i	0	i	134	i	12	i	0	i	19	i	0	i	58	i	
Abilene Christian U.	451	ne	185	237	0	0	5	168	0	6	0	58											
Langston U.	452	455	255	233	0	0	145	0	0	54	0	34											
SUNY, Geneseo	453	114	223	232	17	17	9	65	0	0	4	120											
Des Moines U.	454	626	253	i	227	0	0	227	0	0	0	0											
Rowan U.	455	749	372	226	0	0	59	25	34	0	0	108											
U. Wisconsin-Platteville	455	261	i	194	i	226	i	61	i	0	i	127	i	31	i	0	i	0	i	7	i	0	i
Wright State U.	457	851	407	223	119	0	0	0	18	57	0	29											
Central Connecticut State U.	458	583	307	204	16	4	94	73	0	5	12	0											
Davidson C.	459	421	187	200	0	0	9	55	0	0	0	136											
U. Southern Maine	459	455	139	200	0	0	18	0	0	0	64	118											
Butler U.	461	ne	ne	198	17	48	14	105	0	0	14	0											

TABLE 58

## Higher education R&amp;D expenditures in non-science and engineering fields, ranked by all FY 2022 non-S&amp;E fields: FYs 2020–22 and by subfield for FY 2022

(Dollars in thousands)

Institution	Rank	2020		2021		2022																	
						All non-S&E fields	Business management and business administration	Communication and communications technologies	Education	Humanities	Law	Social work	Visual and performing arts	Other									
U. Wisconsin-Green Bay	462	133	i	127	i	197	i	39	i	8	i	65	i	23	i	0	i	12	i	0	i	50	i
New Mexico Highlands U.	463	0		0	i	194	i	64	i	26	i	0	i	100	i	0	i	4	i	0	i	0	i
Connecticut C.	464	0		0		192		0		0		0		183		0		0		0		9	
Tennessee State U.	465	464		181	i	187		0		0		187		0		0		0		0		0	
Franklin W. Olin C. of Engineering	466	913		691		174		0		0		170		0		0		0		0		4	
Union C., Schenectady	467	225		43		170		0		0		0		80		0		0		67		23	
Whitman C.	468	0		ne		169		0		0		0		123		0		0		21		25	
Mercyhurst U.	469	289	i	227	i	166		2		2		2		11		0		0		4		145	
U. Wisconsin-La Crosse	470	225		154		164		25		0		0		35		0		0		3		101	
C. New Jersey	471	75		84		163		2		6		114		33		0		0		8		0	
SUNY, Polytechnic Institute	472	132		124		161		0		0		0		161		0		0		0		0	
Florida Polytechnic U.	473	20		103		159		159		0		0		0		0		0		0		0	
Mercer U.	474	161		94		149		61		0		82		6		0		0		0		0	
Trinity C., Hartford	475	119		55		147		0		0		2		106		0		0		39		0	
U. New Haven	475	107		54		147		26		15		106		0		0		0		0		0	
Western Illinois U.	477	164		138		145		5		0		136		0		0		4		0		0	
Hobart and William Smith Colleges	478	107		55		144		9		2		13		62		0		0		51		7	
U. North Carolina, general administration	479	10		219		137		0		0		0		0		0		0		0		137	
Middlebury C.	480	0		0		136		0		0		0		0		0		0		33		103	
Oregon Health and Science U.	481	64		14		132		0		0		0		0		132		0		0		0	
Skidmore C.	482	96		66		129		26		0		14		0		0		14		15		60	
Fisk U.	483	0		177		123		0		0		14		109		0		0		0		0	
U. Ana G. Mendez, Gurabo	484	24		52		115	i	0	i	0	i	0	i	0	i	0	i	0	i	0	i	115	i
Northern Kentucky U.	485	282		137		111		10		17		0		38		0		17		26		3	
CUNY, York C.	486	43		73		107		3		0		0		9		0		5		3		87	
U. Detroit Mercy	487	30		156		94		6		10		0		0		61		0		0		17	
Bates C.	488	66		43		91		0		0		81		1		0		0		9		0	
Ithaca C.	488	70		64		91		0		10		3		16		0		0		16		46	
U. Houston-Clear Lake	490	235		317		88		4		0		10		1		0		0		0		73	
California State U., Channel Islands	491	98		79		85		20		17		30		14		0		0		0		4	
California State U., Stanislaus	492	74		29		83		8		0		0		31		0		5		39		0	
Youngstown State U.	492	124		485		83		5		0		24		0		0		0		9		45	
Illinois Institute of Technology	494	119		156		81		51		0		9		0		0		0		0		21	



TABLE 58

## Higher education R&amp;D expenditures in non-science and engineering fields, ranked by all FY 2022 non-S&amp;E fields: FYs 2020–22 and by subfield for FY 2022

(Dollars in thousands)

Institution	Rank	2020	2021	2022								
				All non-S&E fields	Business management and business administration	Communication and communications technologies	Education	Humanities	Law	Social work	Visual and performing arts	Other
Black Hills State U.	495	60	76	80	0	0	80	0	0	0	0	0
New York Institute of Technology	496	107	76	78	0	0	78	0	0	0	0	0
Arkansas State U., Jonesboro	497	3	43	73	0	0	29	0	0	0	44	0
Texas A&M U.-San Antonio	497	ne	ne	73	8	0	0	0	0	0	0	65
U. California, Office of the President	499	0	386	72	0	0	0	0	0	0	0	72
Occidental C.	500	0	64	71	0	0	71	0	0	0	0	0
Kenyon C.	501	12	ne	69	0	0	0	47	0	0	18	4
California State U., Maritime Academy	502	0	196	68	0	0	0	0	0	0	0	68
U. Puget Sound	503	72	ne	62	1	0	0	61	0	0	0	0
California State U., Monterey Bay	504	111	38	61	8	2	3	2	0	0	0	46
Oklahoma State U., Center for Health Sciences	504	36	6	61	61	0	0	0	0	0	0	0
Virginia Military Institute	506	ne	ne	60	10	0	0	0	0	0	0	50
Teachers C., Columbia U.	507	460	32	57	0	0	57	0	0	0	0	0
Harvey Mudd C.	508	66	31	55	0	0	0	55	0	0	0	0
Robert Morris U.	509	ne	ne	54	14	2	16	10	0	0	2	10
SUNY, C. Brockport	510	6	3	53	0	0	6	34	0	3	8	2
SUNY, Buffalo State	511	45	27	52	0	0	44	0	0	0	0	8
U. Hawaii, Hilo	512	35	32	46	0	0	0	46	0	0	0	0
Utah Valley U.	513	ne	ne	45	0	0	0	45	0	0	0	0
Tuskegee U.	514	0	0	44	0	0	0	13	0	31	0	0
U. Northern Iowa	515	100	79	43	0	0	22	17	0	0	4	0
Central Washington U.	516	54	10	42	0	8	10	14	10	0	0	0
St. Catherine U.	517	ne	ne	41	2	0	0	21	0	0	0	18
U. Louisiana, Monroe	517	13	63	41	0	0	0	0	0	0	0	41
CUNY, system office	519	234	0	40	0	0	0	0	0	0	0	40
Minnesota State U., Mankato	519	415	136	40	1	0	4	0	0	0	0	35
Alaska Pacific U.	521	27	2	39	0	0	39	0	0	0	0	0
U. Hartford	522	197	5	35	0	4	2	11	0	0	10	8
U. Wisconsin-Eau Claire	523	43	75	34	0	0	0	34	0	0	0	0
Furman U.	524	22	655	33	0	0	31	0	0	0	0	2
Alabama State U.	525	0	0	32	0	0	0	0	0	0	0	32
Murray State U.	526	26	87	26	12	0	3	8	0	0	0	3
SUNY, Oswego	527	34	37	24	4	5	4	4	0	0	7	0

TABLE 58

## Higher education R&amp;D expenditures in non-science and engineering fields, ranked by all FY 2022 non-S&amp;E fields: FYs 2020–22 and by subfield for FY 2022

(Dollars in thousands)

Institution	Rank	2020	2021	2022								
				All non-S&E fields	Business management and business administration	Communication and communications technologies	Education	Humanities	Law	Social work	Visual and performing arts	Other
U. New England	528	5	5	23	1	0	0	19	0	0	0	3
Loma Linda U.	529	279 i	241	19	19	0	0	0	0	0	0	0
Plymouth State U.	530	ne	ne	17	0	0	17	0	0	0	0	0
U. Puerto Rico, Cayey	531	0	0	16	16	0	0	0	0	0	0	0
Augustana U.	532	ne	10	15	0	15	0	0	0	0	0	0
Xavier U. Louisiana	532	52	139	15	0	0	15	0	0	0	0	0
U. Wisconsin-Superior	534	6	4	14	14	0	0	0	0	0	0	0
Clark Atlanta U.	535	193	180	12	0	0	0	0	0	6	0	6
Roseman U. of Health Sciences	536	0	92	11	0	0	0	0	0	0	0	11
U. Wisconsin-Stevens Point	536	51	8	11	0	0	0	2	0	0	0	9
Monmouth U.	538	0	0	10	0	0	10	0	0	0	0	0
CUNY, Advanced Science Research Center	539	147	3	8	0	0	0	0	0	0	1	7
Eastern Washington U.	540	61	3	7	0	0	7	0	0	0	0	0
Missouri State U.	541	111	20	6	0	0	0	6	0	0	0	0
Thomas Jefferson U.	541	23	29	6	0	0	0	0	0	0	0	6
Kentucky State U.	543	0	0	4	0	4	0	0	0	0	0	0
U. of the Pacific	544	23	1	3	0	0	0	2	0	0	0	1
U.S. Air Force Academy	545	8,889	0	2	2	0	0	0	0	0	0	0
West Virginia School of Osteopathic Medicine	545	8	10	2	0	0	2	0	0	0	0	0
Alcorn State U.	547	0	0	1 i	0 i	0 i	0 i	0 i	1 i	0 i	0 i	0 i
U. Hawaii, system office	547	0	0	1	0	0	1	0	0	0	0	0
All other surveyed institutions	-	39,041	6,672	0	0	0	0	0	0	0	0	0

i = imputed. na = not applicable; institution did not exist or did not exist as a separate entity. ne = not eligible; institution did not meet the criteria for inclusion.

S&E = science and engineering.

<sup>a</sup> 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.

<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 Tennessee, Knoxville includes expenditures from the University of Tennessee Institute of Agriculture. Due to a reorganization within the University of Tennessee system, the Institute of Agriculture now falls under the leadership of the University of Tennessee, Knoxville chancellor. Prior to FY 2020, the University of Tennessee, Knoxville, Institute of Agriculture reported to the survey separately.

<sup>d</sup> Johns Hopkins University includes the Applied Physics Laboratory (APL), with zero imputed for total non-S&E R&D expenditures in FY 2022. Total expenditures by field for Johns Hopkins University are flagged as imputed because APL was unable to distribute a portion of institutionally funded R&D by field.

<sup>e</sup> 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.

**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.