

TABLE 27

Higher education R&D expenditures funded by institutional funds, ranked by all R&D expenditures, by R&D field: FY 2019

(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	-	21,109,703	532,787	624,939	11,495,531	216,617	1,232,460	361,017	1,091,986	382,971	2,682,903	2,488,492
U. Michigan, Ann Arbor	1	608,028	6,217	7,381	303,987	11,798	19,797	11,615	83,245	2,880	70,281	90,827
U. Pennsylvania	2	491,734	9,741	994	286,682	3,439	16,733	2,201	28,669	3,707	32,084	107,484
U. Wisconsin-Madison	3	415,634	2,905	13,646	278,705	1,196	11,588	2,823	15,481	12,547	32,122	44,621
U. California, San Francisco	4	394,740	0	0	384,994	0	9,746	0	0	0	0	0
Harvard U.	5	381,597	563	6,911	166,247	2,231	23,247	3,031	64,226	4,391	39,259	71,491
U. Minnesota, Twin Cities	6	321,652	10,653	3,533	218,032	2,239	9,337	6,331	11,499	2,061	29,688	28,279
Yale U.	7	318,201	1,686	3,619	262,038	1,229	22,756	5,874	7,160	566	9,114	4,159
U. California, San Diego	8	301,297	10,204	27,556	179,144	1,610	18,923	3,206	8,636	10,915	35,686	5,417
Michigan State U.	9	296,991	9,734	2,104	134,237	4,816	55,153	6,670	14,021	12,888	38,782	18,586
U. North Carolina, Chapel Hill	10	293,561	2,493	3,908	231,249	299	9,815	10,135	11,414	99	9,546	14,603
U. California, Los Angeles	11	285,010	2,488	3,905	193,345	810	8,528	2,417	28,851	10,561	13,312	20,793
U. Maryland ^a	12	279,371	13,768	4,437	151,825	685	19,611	1,150	17,624	73	48,062	22,136
Texas A&M U., College Station and Health Science Center	13	274,537	6,293	15,230	99,104	2,063	18,027	1,685	8,648	2,378	110,175	10,934
Indiana U., Bloomington	14	263,300	13,415	5,409	152,261	625	10,156	6,413	28,631	10,699	5,764	29,927
U. Florida	15	257,870	3,417	3,510	198,443	526	7,244	1,869	4,489	38	21,230	17,104
Northwestern U.	16	243,099	733	451	145,051	742	28,284	1,608	6,496	13,097	26,390	20,247
Purdue U., West Lafayette	17	242,643	5,511	3,161	109,995	954	9,833	1,524	4,422	2,156	82,457	22,630
Emory U.	18	239,403	2,314	202	207,889	122	6,721	999	1,363	0	2,658	17,135
Arizona State U.	19	233,959	4,821	13,972	34,349	2,869	10,314	5,050	47,026	36,577	46,373	32,608
New York U.	20	229,172	2,136	20	165,862	1,949	1,371	1,674	8,906	1,146	9,351	36,757
Cornell U.	21	227,319	4,294	919	144,071	467	18,145	3,652	9,567	0	25,746	20,458
U. Georgia	22	225,620	2,207	12,389	100,518	5,235	6,747	9,251	13,364	8,462	9,805	57,642
Rockefeller U.	23	224,310	8,037	115	210,964	1,055	4,139	0	0	0	0	0
Virginia Polytechnic Institute and State U.	24	221,817	11,307	1,596	77,491	2,466	9,707	1,825	6,680	89	104,891	5,765
U. Arizona	25	220,594	2,789	9,904	130,915	240	30,092	726	9,415	1,898	21,100	13,515
U. Utah	26	217,878	14,373	10,763	124,964	1,291	19,250	6,479	1,352	344	19,731	19,331

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U. Texas M. D. Anderson Cancer Center	27	214,509	0	0	195,898	3,464	5,445	7,934	1,768	0	0	0
U. Virginia, Charlottesville	28	211,202	3,163	999	137,615	183	5,518	1,944	6,647	348	29,821	24,964
U. Iowa	29	207,385	483	551	156,988	200	2,743	1,648	3,114	1,132	22,341	18,185
Pennsylvania State U., University Park and Hershey Medical Center	30	207,208	10,243	15,314	49,281	6,437	33,175	7,847	11,573	0	62,240	11,098
U. California, Davis	31	206,406	310	12,736	146,121	324	4,980	391	11,068	7,893	19,007	3,576
Baylor C. of Medicine	32	193,449	0	0	193,449	0	0	0	0	0	0	0
U. Southern California	33	189,168	3,331	2,993	141,385	205	3,601	1,600	13,013	0	11,342	11,698
U. Pittsburgh, Pittsburgh	34	187,204	2,250	4,039	148,888	1,149	10,740	2,294	907	4,360	9,859	2,718
U. Illinois, Urbana-Champaign	35	185,282	21,507	422	79,614	1,179	14,058	3,820	3,086	7,056	39,935	14,605
Vanderbilt U. and Vanderbilt U. Medical Center	36	184,711	0	626	103,620	479	13,280	6,746	3,210	0	37,506	19,244
U. California, Berkeley	37	166,865	2,393	2,264	55,844	813	6,670	3,677	26,810	11,920	33,234	23,240
U. South Florida, Tampa	38	161,641	4,322	6,915	69,677	2,029	5,677	2,855	11,894	645	17,515	40,112
Washington U., Saint Louis	39	157,727	475	345	143,247	20	4,544	867	432	1,068	2,444	4,285
Florida State U.	40	156,893	7,589	6,971	25,109	4,333	24,898	6,607	14,883	4,976	14,955	46,572
Dartmouth C. and Dartmouth Hitchcock Medical Center	41	154,896	9,957	2,992	58,628	4,215	11,345	3,832	16,357	3,713	7,231	36,626
Duke U.	42	154,081	227	1,640	120,022	1,609	1,927	1,719	5,662	69	14,322	6,884
Johns Hopkins U. ^b	43	152,043	7,436 i	3,745 i	87,821 i	2,325 i	12,918 i	472 i	288 i	1,564 i	35,472 i	2 i
Boston U.	44	149,767	4,753	1,841	69,937	1,778	9,685	6,661	5,240	4,434	28,161	17,277
U. Texas, Austin	45	144,157	7,149	15,595	25,433	5,398	18,634	1,239	4,285	2,891	29,634	33,899
U. Cincinnati	46	137,969	947	630	90,683	725	3,601	542	3,618	353	26,575	10,295
Ohio State U.	47	136,923	3,922	2,120	67,011	1,259	8,339	1,423	3,451	7,600	30,651	11,147
Icahn School of Medicine at Mount Sinai	48	134,825	0	0	134,825	0	0	0	0	0	0	0
SUNY, U. Buffalo	49	134,258	6,442	1,087	90,956	495	3,643	1,363	6,673	2,839	18,212	2,548
Washington State U.	50	132,121	5,417	2,747	64,812	342	12,542	1,734	7,259	180	16,881	20,207

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Rutgers, State U. New Jersey, New Brunswick	51	131,158	997	2,829	85,253	1,128	6,601	3,333	4,064	2,187	13,043	11,723
Iowa State U.	52	129,709	4,009	2,117	45,398	7,972	12,698	4,525	2,597	1,721	36,500	12,172
North Carolina State U.	53	127,691	3,183	3,439	71,752	4,391	4,911	678	2,682	3,146	29,763	3,746
U. Missouri, Columbia	54	126,833	391	23	85,080	132	484	936	1,459	136	31,890	6,302
U. Kentucky	55	125,639	1,428	986	87,685	172	978	983	185	12,608	15,200	5,414
Stanford U.	56	124,706	994	3,080	87,266	221	5,334	3,274	5,465	316	11,895	6,861
U. Illinois, Chicago	57	122,535	1,823	238	86,445	1,789	4,264	1,023	4,573	5,610	11,009	5,761
U. California, Irvine	58	119,130	4,200	1,062	69,765	1,250	5,837	2,871	6,720	807	15,440	11,178
U. Nebraska, Lincoln	59	118,095	3,119	1,326	43,855	2,666	6,480	4,233	5,362	1,039	22,157	27,858
Auburn U., Auburn	60	117,941	2,548	1,474	41,460	3,363	6,795	2,053	2,088	2,053	27,572	28,535
U. Washington, Seattle	61	117,341	2,217	10,147	64,413	140	3,712	782	2,421	2	18,350	15,157
Massachusetts Institute of Technology	62	116,760	18,305	3,796	13,867	1,519	13,551	20	2,968	1,982	53,421	7,331
Carnegie Mellon U.	63	107,841	29,902	47	3,961	8,703	9,008	1,157	6,566	2,219	32,983	13,295
Louisiana State U., Baton Rouge	64	107,220	1,549	18,315	43,216	205	8,451	507	1,202	11,261	16,598	5,916
Oklahoma State U., Stillwater	65	107,127	3,007	2,020	31,526	3,881	5,082	5,759	4,546	4,883	15,896	30,527
U. Kansas	66	107,078	1,379	5,167	71,735	55	1,410	6,124	2,147	45	2,988	16,028
U. Alabama, Birmingham	67	106,085	44	21	94,984	32	731	442	70	0	4,292	5,469
Texas Tech U.	68	104,700	2,615	3,372	26,971	2,817	6,850	6,523	6,301	0	19,615	29,636
Florida International U.	69	102,581	3,607	4,234	25,875	1,268	13,566	7,211	8,508	1,947	12,017	24,348
Georgia State U.	70	99,468	1,664	439	24,398	1,025	5,685	3,639	15,464	0	0	47,154
U. Tennessee, Knoxville	71	98,238	3,232	1,678	11,238	2,331	7,341	2,894	8,420	4,557	33,447	23,100
Uniformed Services U. of the Health Sciences	72	95,062	0	0	92,653	0	0	2,409	0	0	0	0
Medical U. South Carolina	73	94,830	0	0	94,830	0	0	0	0	0	0	0
Syracuse U.	74	94,588	2,922	2,023	6,661	2,435	6,151	2,362	9,044	0	14,601	48,389
U. Notre Dame	75	89,308	5,001	0	7,789	2,090	14,051	1,450	3,009	6,704	36,404	12,810
Clemson U.	76	87,791	2,087	0	21,916	1,082	3,868	180	1,844	0	22,277	34,537
U. Central Florida	77	86,353	6,062	1,846	11,710	2,409	8,260	2,617	5,774	3,158	20,158	24,359
U. Connecticut	78	85,183	1,070	2,785	47,614	589	8,891	5,990	3,418	1,169	10,105	3,552
SUNY, Stony Brook U.	79	85,067	1,278	8,334	43,367	1,743	8,374	1,334	1,663	11,667	5,293	2,014

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Kansas State U.	80	82,673	1,220	872	41,687	2,462	4,025	1,371	3,393	6,703	11,918	9,022
Wayne State U.	81	81,510	648	258	57,661	6	7,458	705	1,497	5,077	5,057	3,143
Princeton U.	82	80,414	4,030	3,406	19,993	2,959	18,440	1,191	13,224	0	10,552	6,619
U. South Carolina, Columbia	83	79,622	522	2	8,346	776	2,359	1,756	6,274	0	10,935	48,652
Albert Einstein C. of Medicine	84	79,274	0	0	79,274	0	0	0	0	0	0	0
Medical C. Wisconsin	85	77,429	0	0	75,853	0	0	0	0	0	1,576	0
U. Hawaii, Manoa	86	76,455	183	17,475	40,327	39	9,538	30	1,594	587	4,688	1,994
Scripps Research Institute	87	76,306	0	0	76,306	0	0	0	0	0	0	0
Columbia U. in the City of New York	88	74,951	412	3,551	50,658	384	2,628	294	5,124	0	3,166	8,734
U. Oklahoma, Norman and Health Science Center	89	74,505	180	10,674	47,542	36	736	121	3,456	0	5,925	5,835
U. Mississippi	90	73,478	538	762	37,204	1,150	4,643	1,136	5,070	0	3,957	19,018
Temple U.	91	72,826	1,046	353	57,217	342	3,738	1,420	877	720	2,760	4,353
Georgia Institute of Technology	92	70,898	12,359	256	4,538	27	1,478	111	1,727	0	33,239	17,163
U. Massachusetts, Amherst	93	70,889	6,510	2,374	23,134	1,221	10,162	2,654	2,547	949	11,990	9,348
U. Nevada, Reno	94	70,376	3,584	6,330	24,429	1,702	4,116	1,831	4,522	451	10,147	13,264
West Virginia U.	95	69,819	16	2,722	40,503	131	4,385	585	1,480	500	15,558	3,939
Mississippi State U.	96	68,709	1,056	1,283	31,452	123	1,560	146	17,067	1,769	13,134	1,119
SUNY, Binghamton U.	97	68,519	4,183	1,578	8,972	2,347	7,486	6,576	11,129	0	16,462	9,786
U. Texas Southwestern Medical Center	98	68,457	0	0	68,457	0	0	0	0	0	0	0
U. Miami	99	67,707	371	1,954	59,406	0	774	1,600	1,491	0	1,182	929
Georgetown U.	100	66,400	1,570	20	42,958	0	1,453	435	4,867	2,221	0	12,876
U. Houston	101	65,710	538	2,901	11,664	438	29,477	1,451	419	41	10,984	7,797
SUNY, U. Albany	102	65,357	3,792	6,793	10,409	1,227	4,108	3,362	15,121	37	2,514	17,994
George Washington U.	103	64,471	3,999	63	30,695	432	2,021	463	8,731	499	5,082	12,486
U. Nevada, Las Vegas	104	63,995	939	1,857	17,653	1,457	4,255	2,528	5,846	385	7,803	21,272

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U. Arkansas for Medical Sciences	105	62,472	0	0	62,472	0	0	0	0	0	0	0
U. Arkansas, Fayetteville	106	61,913	2,789	1,125	19,100	121	2,182	498	944	343	12,754	22,057
Virginia Commonwealth U.	107	60,805	0	130	48,199	209	455	834	408	0	7,288	3,282
North Dakota State U.	108	58,902	1,501	355	34,567	701	2,842	1,672	4,346	1,100	5,885	5,933
U. New Mexico	109	58,200	955	547	35,878	61	686	1,536	3,040	6,168	6,505	2,824
Colorado State U., Fort Collins	110	57,160	239	12,002	30,242	229	1,100	297	1,754	426	5,354	5,517
Thomas Jefferson U.	111	56,965	0	0	56,965	0	0	0	0	0	0	0
New Jersey Institute of Technology	112	55,507	5,806	0	4,643	2,522	6,505	0	0	9	19,923	16,099
U. North Texas, Denton	113	53,843	3,558	842	6,997	1,137	4,055	2,528	4,871	0	7,975	21,880
Brown U.	114	53,599	3,520	1,101	24,606	2,944	4,440	0	6,589	1,011	3,528	5,860
U. Colorado Denver and Anschutz Medical Campus	115	53,541	51	4	52,961	5	41	75	36	0	105	263
Tulane U.	116	53,333	848	1,746	27,533	358	2,467	746	2,116	0	3,538	13,981
Rice U.	117	53,316	1,480	1,911	3,623	2,434	8,638	1,168	8,817	264	22,337	2,644
U. California, Riverside	118	52,805	605	4,318	39,404	335	791	479	1,929	669	1,752	2,523
U. Texas, Arlington	119	51,329	2,273	574	10,415	1,424	5,266	1,470	66	0	13,635	16,206
U. California, Santa Barbara	120	49,052	2,463	10,062	5,013	186	12,286	364	3,650	270	6,377	8,381
U. Louisville	121	48,834	56	91	35,753	16	872	624	976	770	5,580	4,096
U. Maine	122	48,644	615	8,272	12,106	1,019	3,171	698	1,081	5,309	10,213	6,160
San Diego State U.	123	47,338	662	933	8,907	2,787	2,768	4,249	3,430	4,205	3,582	15,815
U. Texas Medical Branch	124	46,065	0	0	44,911	0	0	0	0	0	1,154	0
U. Delaware	125	45,490	631	3,628	20,997	317	3,727	872	4,260	389	9,982	687
U. Chicago	126	44,762	956	327	28,202	967	4,645	817	3,301	0	3,299	2,248
Case Western Reserve U.	127	44,093	0	24	35,421	58	1,797	246	767	0	4,566	1,214
U. Texas Health Science Center, Houston	128	43,586	0	0	43,586	0	0	0	0	0	0	0
American U.	129	43,492	1,961	262	1,228	979	2,129	1,421	9,107	2,697	0	23,708

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U. Massachusetts, Medical School	130	43,238	0	0	43,238	0	0	0	0	0	0	0
California Institute of Technology	131	42,683	1,107	2,793	8,006	497	11,232	0	0	0	10,038	9,010
U. Texas Health Science Center, San Antonio	132	42,551	0	0	42,551	0	0	0	0	0	0	0
U. Montana, Missoula	133	41,293	335	2,429	16,563	545	2,015	414	14,610	0	0	4,382
George Mason U.	134	41,291	1,420	740	3,783	787	815	564	21,628	0	3,453	8,101
U. Rochester	135	40,515	469	422	33,281	3	2,634	805	32	1,024	1,619	226
Drexel U.	136	40,179	1,108	0	26,345	62	886	569	630	1,200	6,178	3,201
Montana State U., Bozeman	137	39,627	230	1,159	17,225	190	3,895	116	238	1,697	8,935	5,942
U. Alaska, Fairbanks	138	39,572	309	14,089	14,130	0	3,341	0	148	2,553	4,577	425
Northeastern U.	139	39,442	2,495	951	7,630	94	3,497	747	6,276	0	13,307	4,445
U. North Dakota	140	38,998	2,001	2,963	14,044	383	2,468	984	1,588	729	6,402	7,436
Augusta U.	141	38,530	1	0	38,220	0	40	0	163	0	0	106
U. Texas, Dallas	142	38,469	1,827	455	10,750	280	4,009	139	763	47	12,655	7,544
U. New Hampshire	143	38,163	280	7,831	16,710	31	1,402	341	2,399	0	4,975	4,194
Oregon Health and Science U.	144	38,139	0	0	38,139	0	0	0	0	0	0	0
U. Nebraska, Medical Center	145	37,891	0	0	37,891	0	0	0	0	0	0	0
U. Massachusetts, Lowell	146	36,658	2,558	730	4,233	618	6,243	757	2,132	488	13,270	5,629
Michigan Technological U.	147	36,574	1,568	4,012	2,497	1,839	2,832	268	854	659	18,676	3,369
U. Tennessee, Knoxville, Institute of Agriculture	148	35,641	0	0	32,235	0	0	0	0	970	2,436	0
U. Texas, El Paso	149	33,594	129	676	9,003	199	1,022	5,580	259	384	7,989	8,353
Cold Spring Harbor Laboratory	150	32,823	0	0	32,823	0	0	0	0	0	0	0
U. Vermont	151	31,729	812	166	25,394	87	1,226	463	319	826	2,307	129
U. Louisiana, Lafayette	152	31,636	4,379	767	8,984	1,398	804	2,881	1	65	7,744	4,613
Kent State U.	153	31,215	1,335	319	4,536	1,353	4,301	1,664	3,684	360	351	13,312
U. California, Santa Cruz	154	31,144	480	4,649	4,555	0	10,815	202	2,807	1,300	4,252	2,084

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(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. Alabama, Tuscaloosa	155	30,801	1,483	343	3,826	13	858	1,442	2,296	0	12,598	7,942
U. Colorado Boulder	156	30,502	179	0	3,950	28	3,015	876	1,264	0	15,530	5,660
Indiana U.-Purdue U., Indianapolis	157	30,077	1,690	286	7,103	50	981	530	5,237	4,819	2,447	6,934
U. Memphis	158	29,849	3,129	1,462	4,917	486	1,048	3,652	2,973	439	3,694	8,049
Van Andel Research Institute	159	29,815	0	0	29,815	0	0	0	0	0	0	0
Rensselaer Polytechnic Institute	160	29,674	2,395	163	1,200	449	6,788	255	265	0	17,295	864
U. South Alabama	161	28,990	99	1,140	26,840	3	92	52	186	0	577	1
East Carolina U.	162	28,806	277	2,700	14,966	11	1,323	657	1,496	202	1,339	5,835
U. California, Office of the President	163	28,574	1,485	0	14,352	0	7,973	0	0	4,764	0	0
U. Massachusetts, Boston	164	28,163	1,133	2,066	3,520	258	1,282	1,618	6,911	490	711	10,174
Ohio U.	165	27,950	110	741	8,683	34	1,744	767	986	0	8,271	6,614
U. Texas, San Antonio	166	27,509	2,262	499	5,685	307	2,919	537	3,094	3	8,031	4,172
U. Texas Rio Grande Valley	167	27,496	594	854	8,549	1,641	2,219	613	3,346	0	1,871	7,809
U. West Florida	168	27,090	1,244	65	1,091	15	312	59	5,480	0	21	18,803
Oregon State U.	169	26,530	780	2,628	17,549	52	232	33	569	629	4,044	14
Kennesaw State U.	170	26,300	3,103	0	2,573	2,190	1,357	769	4,787	295	1,826	9,400
U. Rhode Island	171	25,849	0	13,751	3,348	0	196	287	506	4,513	1,406	1,842
Texas State U.	172	25,361	1,210	3,154	7,317	201	372	94	711	1,945	3,547	6,810
Utah State U.	173	24,814	531	245	11,704	286	1,638	1,451	387	373	5,807	2,392
U. Tennessee, Health Science Center	174	23,971	0	0	23,910	0	0	0	0	61	0	0
Wake Forest U.	175	22,580	0	0	18,826	244	1,322	280	673	0	191	1,044
Tufts U.	176	22,548	0	57	7,822	195	7,991	177	2,439	358	1,854	1,655
William & Mary	177	22,422	858	15,371	440	67	1,424	19	2,164	0	0	2,079
U. Oregon	178	22,044	1,034	789	3,695	60	3,433	1,396	1,226	0	0	10,411
U. Alabama, Huntsville	179	21,663	1,107	2,150	1,823	582	3,536	183	472	0	7,464	4,346
Old Dominion U.	180	21,337	1,299	945	6,735	1,574	1,306	399	1,053	0	4,293	3,733
U. California, Merced	181	20,887	0	1,234	6,026	559	2,557	820	1,925	788	5,208	1,770

TABLE 27

Higher education R&D expenditures funded by institutional funds, ranked by all R&D expenditures, by R&D field: FY 2019

(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
Woods Hole Oceanographic Institution	182	20,634	0	16,581	0	0	0	0	0	0	4,053	0
Southern Illinois U., Carbondale	183	20,494	488	699	16,073	13	509	14	908	586	1,204	0
U. Toledo	184	19,875	0	2,009	11,226	14	2,242	64	92	0	3,141	1,087
Baylor U.	185	19,443	261	1,704	2,541	765	3,779	495	839	2,613	1,669	4,777
Cleveland State U.	186	18,823	0	0	3,242	516	882	575	4,777	0	3,263	5,568
U. Idaho	187	18,274	177	863	11,741	97	427	30	266	849	2,948	876
Southern Methodist U.	188	18,220	489	1,005	173	392	954	182	1,195	632	2,927	10,271
U. Wyoming	189	17,939	6	1,096	7,954	0	57	0	18	877	7,931	0
Saint Louis U.	190	17,838	238	352	13,780	0	1,243	0	58	0	929	1,238
U. Massachusetts, Dartmouth	191	17,421	1,077	6,674	1,360	195	1,444	156	553	0	4,876	1,086
Rochester Institute of Technology	192	16,939	2,328	0	172	402	3,032	10	790	0	6,347	3,858
Florida Atlantic U.	193	16,253	667	400	6,945	443	1,255	971	0	0	3,025	2,547
Villanova U.	194	16,135	363	400	1,728	36	1,560	967	550	0	6,291	4,240
Northern Illinois U.	195	16,077	552	84	2,532	38	1,747	282	3,780	0	871	6,191
U. North Carolina, Charlotte	196	15,946	1,748	533	1,900	322	868	436	1,648	0	5,670	2,821
U. South Dakota	197	15,676	240	70	7,639	181	2,132	510	366	0	1,268	3,270
Illinois State U.	198	15,525	61	205	638	74	148	18	266	13	0	14,102
Marquette U.	199	15,153	178	0	4,340	438	943	894	584	0	2,895	4,881
Louisiana Tech U.	200	14,848	711	77	1,666	524	1,134	397	274	0	5,249	4,816
California Polytechnic State U., San Luis Obispo	201	14,717	40	177	5,256	283	7,774	41	49	0	1,018	79
Fordham U.	202	13,774	385	0	474	184	736	279	794	0	0	10,922
Boston C.	203	13,596	189	1,746	1,729	47	1,913	881	3,263	0	0	3,828
U. Maryland, Baltimore County	204	13,297	2,326	2,158	1,431	201	1,741	226	1,088	1,101	2,343	682
Northern Arizona U.	205	13,052	1,567	745	8,320	0	1,568	188	64	50	431	119
SUNY, Polytechnic Institute	206	12,963	0	0	267	0	0	0	0	0	12,696	0

TABLE 27

Higher education R&D expenditures funded by institutional funds, ranked by all R&D expenditures, by R&D field: FY 2019

(Dollars in thousands)

Institution	Rank	All R&D expenditures	Computer and information sciences	Geosciences, atmospheric sciences, and ocean sciences	Life sciences	Mathematics and statistics	Physical sciences	Psychology	Social sciences	Sciences nec	Engineering	All non-S&E fields
Southern Illinois U., Edwardsville	207	12,944	0	732	8,184	57	175	117	259	0	1,670	1,750
New Mexico State U.	208	12,922	327	416	4,961	22	3,365	72	69	76	3,342	272
San Francisco State U.	209	12,800	697	1,561	2,672	712	1,830	964	1,764	108	893	1,599
North Carolina Agricultural and Technical State U.	210	12,615	86	4	9,565	72	342	5	0	0	1,786	755
U. Minnesota, Duluth	211	12,443	127	1,318	8,472	94	259	1	102	0	1,559	511
Boise State U.	212	12,116	678	697	2,561	179	813	30	1,027	192	3,880	2,059
Air Force Institute of Technology	213	12,037	916	91	0	622	4,021	0	0	0	6,387	0
Naval Postgraduate School	214	12,007	4,587	1,071	0	331	1,047	0	897	330	2,133	1,611
Missouri U. of Science and Technology	215	11,958	1,132	318	432	46	257	92	57	192	9,282	150
Nova Southeastern U.	216	10,660	30	2,347	7,606	0	0	97	11	338	0	231
U. Maryland Center for Environmental Science	217	10,418	0	10,418	0	0	0	0	0	0	0	0
U. Southern Mississippi	218	10,344	0	1,957	1,260	0	1,701	0	226	0	1	5,199
Delaware State U.	219	10,315	0	367	5,490	368	2,681	0	0	344	831	234
U. Missouri, Kansas City	220	10,162	1,152	178	4,380	5	454	592	518	0	1,453	1,430
CUNY, City C.	221	10,094	182	355	1,352	59	2,353	218	42	0	5,090	443
CUNY, Hunter C.	222	10,063	389	163	2,555	35	1,132	3,678	537	0	0	1,574
Louisiana State U., Health Sciences Center, Shreveport	223	9,841	0	0	9,841	0	0	0	0	0	0	0
U. Puerto Rico, Rio Piedras	224	9,791	192	598	680	6	1,236	1	1,001	461	0	5,616
Mercer U.	225	9,420	115	0	5,763	194	2,189	253	49	222	544	91
Wright State U.	226	9,377	1,078	148	4,750	35	327	208	1	222	2,494	114
U. Puerto Rico, Mayaguez	227	9,252	0	1,246	644	0	238	0	14	0	6,399	711
Duquesne U.	228	9,191	0	13	5,518	124	1,807	72	3	0	326	1,328
Bowling Green State U.	229	9,126	185	314	584	214	1,021	517	1,686	0	60	4,545
Miami U.	230	9,085	360	474	3,780	123	879	452	109	0	2,295	613

TABLE 27

Higher education R&D expenditures funded by institutional funds, ranked by all R&D expenditures, by R&D field: FY 2019

(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 Tech U., Health Sciences Center	231	8,854	0	0	8,645	0	0	0	0	0	0	209
Chapman U.	232	8,835	50	2	2,491	0	772	0	562	0	0	4,958
Worcester Polytechnic Institute	233	8,805	1,602	0	425	249	476	0	109	0	5,287	657
Wichita State U.	234	8,712	0	16	237	8	91	123	9	0	4,467	3,761
Midwestern U.	235	8,670	0	0	8,670	0	0	0	0	0	0	0
William Paterson U.	236	8,476	133	83	1,008	257	217	850	1,198	0	0	4,730
Brandeis U.	237	8,461	184	0	1,072	108	881	170	3,921	1,893	0	232
Howard U.	238	8,386	634	0	5,849	21	517	285	99	0	835	146
Lehigh U.	239	8,368	705	187	561	16	833	43	78	47	5,436	462
U. North Texas, Health Science Center	240	8,142	0	0	7,974	0	0	0	168	0	0	0
U. New Orleans	241	7,869	730	326	624	147	658	332	1,108	161	1,497	2,286
U.S. Air Force Academy	242	7,814	0	0	0	0	0	0	0	0	0	7,814
Central Michigan U.	243	7,798	2	531	2,853	52	423	128	69	1,922	371	1,447
Ball State U.	244	7,734	530	28	1,437	84	380	252	877	0	0	4,146
Bryn Mawr C.	245	7,726	110	185	617	377	585	561	1,424	0	0	3,867
Portland State U.	246	7,713	116	83	2,143	49	152	78	1,331	0	1,271	2,490
U. Akron	246	7,713	7	18	790	47	2,318	139	80	0	3,755	559
Loyola U., Chicago	248	7,712	30	0	6,315	40	331	128	132	0	0	736
Rush U.	249	7,670	0	0	7,670	0	0	0	0	0	0	0
SUNY, Upstate Medical U.	250	7,531	0	0	7,531	0	0	0	0	0	0	0
Oakland U.	251	7,410	231	0	3,043	45	1,913	95	185	0	1,214	684
Brigham Young U., Provo	252	7,404	110	84	2,849	16	182	116	141	0	1,148	2,758
SUNY, Downstate Medical Center	253	7,150	0	0	7,150	0	0	0	0	0	0	0
Creighton U.	254	7,078	186	126	5,104	53	365	79	444	0	0	721
U. Wisconsin-Milwaukee	255	6,836	38	695	927	64	869	282	570	1,203	899	1,289
Rutgers, State U. New Jersey, Newark	256	6,607	119	392	4,233	0	217	0	438	9	0	1,199
Morehouse School of Medicine	257	6,555	0	0	6,555	0	0	0	0	0	0	0

TABLE 27

Higher education R&D expenditures funded by institutional funds, ranked by all R&D expenditures, by R&D field: FY 2019

(Dollars in thousands)

Institution	Rank	All R&D expenditures	Computer and information sciences	Geosciences, atmospheric sciences, and ocean sciences	Life sciences	Mathematics and statistics	Physical sciences	Psychology	Social sciences	Sciences nec	Engineering	All non-S&E fields
SUNY, C. of Environmental Science and Forestry	258	6,552	2	50	5,731	0	134	0	88	0	501	46
U. North Florida	259	6,457	92	39	1,036	43	149	51	426	0	1,310	3,311
U. Denver	260	6,425	0	32	1,049	7	1,062	1,206	583	0	544	1,942
Western Michigan U. and Homer Stryker M.D. School of Medicine	261	6,320	82	597	2,447	44	456	119	238	0	1,362	975
Texas Tech U., Health Sciences Center, El Paso	262	6,306	0	0	6,199	0	0	0	0	0	0	107
Marshall U.	263	6,107	29	61	4,511	0	101	0	1	0	541	863
Edward Via C. of Osteopathic Medicine	264	5,932	0	0	5,932	0	0	0	0	0	0	0
Western Washington U.	265	5,916	0	2,059	528	275	163	200	503	0	342	1,846
U. North Carolina, Greensboro	266	5,804	16	0	1,986	25	416	1,395	158	0	0	1,808
U. South Florida, Saint Petersburg	267	5,766	0	0	699	0	0	505	1	0	0	4,561
California State U., Sacramento	268	5,746	43	45	569	36	142	154	1,943	223	760	1,831
U. Texas Health Science Center, Tyler	269	5,640	0	0	5,640	0	0	0	0	0	0	0
West Chester U. Pennsylvania	270	5,522	25	60	770	235	367	231	885	7	0	2,942
Indiana U. Pennsylvania	271	5,515	2	13	345	20	21	324	685	0	0	4,105
U. Puerto Rico, Medical Sciences Campus	272	5,476	0	0	5,476	0	0	0	0	0	0	0
Azusa Pacific U.	273	5,461	12	0	946	24	151	719	694	10	50	2,855
Tennessee State U.	274	5,443	11	0	5,000	9	196	2	0	0	215	10
Tarleton State U.	275	5,383	0	1,168	1,853	166	181	65	44	692	61	1,153
Sam Houston State U.	276	5,310	49	86	1,559	16	62	248	1,496	36	21	1,737
Northeast Ohio Medical U.	277	5,288	0	2	5,091	0	0	0	10	177	0	8
Western Kentucky U.	278	5,202	18	687	1,449	6	798	591	144	0	389	1,120
James Madison U.	279	5,170	599	577	185	111	498	140	0	0	118	2,942
Clark U.	280	5,162	1	376	432	0	499	693	2,377	136	0	648

TABLE 27

Higher education R&D expenditures funded by institutional funds, ranked by all R&D expenditures, by R&D field: FY 2019

(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
Clarkson U.	281	5,140	71	0	405	190	759	22	55	0	3,067	571
Idaho State U.	282	5,007	63	447	1,111	0	1,068	20	12	0	2,209	77
Stevens Institute of Technology	283	4,963	130	15	0	0	0	0	0	0	4,719	99
U. Tennessee, Chattanooga	284	4,945	2	0	83	6	3	7	0	2,778	164	1,902
Loyola Marymount U.	285	4,924	3	563	213	47	287	206	755	0	159	2,691
Claremont McKenna C.	286	4,915	0	0	0	0	0	2	4,576	69	0	268
Florida Institute of Technology	287	4,854	208	436	389	253	804	836	0	50	1,501	377
Rosalind Franklin U. of Medicine and Science	288	4,788	0	0	4,773	0	0	15	0	0	0	0
U. Missouri, Saint Louis	289	4,746	7	0	2,376	75	686	174	730	0	21	677
Eastern Michigan U.	290	4,654	194	114	818	38	278	94	624	0	259	2,235
Florida A&M U.	291	4,651	0	180	2,603	0	130	23	5	0	280	1,430
Georgia Southern U.	292	4,610	40	552	1,088	45	449	14	266	52	798	1,306
Grinnell C.	293	4,580	250	0	309	703	937	77	790	0	0	1,514
South Dakota State U.	294	4,511	0	22	2,821	100	890	40	51	0	490	97
Colorado School of Mines	295	4,343	3	486	0	7	468	0	19	0	3,358	2
Albany Medical C.	296	4,294	0	0	4,294	0	0	0	0	0	0	0
Eastern Virginia Medical School	297	4,286	0	0	4,286	0	0	0	0	0	0	0
Oklahoma State U., Center for Health Sciences	298	4,159	89	0	3,789	0	0	35	0	0	218	28
U. Alaska, Anchorage	299	4,001	106	433	1,421	0	0	0	675	669	437	260
Texas A&M U.-Kingsville	300	3,985	0	549	2,726	0	10	4	0	26	221	449
Texas A&M U.-Corpus Christi	301	3,981	90	1,717	521	43	85	9	19	327	264	906
Middle Tennessee State U.	302	3,955	87	296	439	150	258	0	848	0	36	1,841
Wesleyan U.	303	3,921	0	130	682	79	944	302	475	0	0	1,309
Desert Research Institute	304	3,896	7	3,288	601	0	0	0	0	0	0	0
U. Michigan, Dearborn	305	3,871	0	0	81	86	106	43	230	0	2,732	593

TABLE 27

Higher education R&D expenditures funded by institutional funds, ranked by all R&D expenditures, by R&D field: FY 2019

(Dollars in thousands)

Institution	Rank	All R&D expenditures	Computer and information sciences	Geosciences, atmospheric sciences, and ocean sciences	Life sciences	Mathematics and statistics	Physical sciences	Psychology	Social sciences	Sciences nec	Engineering	All non-S&E fields
Langston U.	306	3,856	0	0	3,746	0	8	0	0	0	0	102
U. Tulsa	307	3,847	515	73	369	18	258	446	15	0	1,936	217
Roseman U. of Health Sciences	308	3,746	0	0	3,746	0	0	0	0	0	0	0
Memorial Sloan Kettering Cancer Center, Louis V. Gerstner Jr. Graduate S. of Biomedical Sciences	309	3,576	0	0	3,576	0	0	0	0	0	0	0
U. Central Oklahoma	310	3,546	0	0	0	0	0	0	0	0	0	3,546
Louisiana State U., Health Sciences Center, New Orleans	311	3,522	0	0	3,522	0	0	0	0	0	0	0
Rowan U.	312	3,477	0	0	681	0	0	0	0	0	2,796	0
Salisbury U.	313	3,475	125	375	823	0	199	59	155	6	0	1,733
Southern Connecticut State U.	314	3,471	6	147	489	142	168	127	289	352	3	1,748
New School	315	3,459	0	111	5	0	0	352	1,227	0	211	1,553
Prairie View A&M U.	316	3,454	0	0	1,153	0	558	0	0	0	1,399	344
Grand Valley State U.	317	3,423	14	1,936	244	37	15	35	443	0	387	312
Humboldt State U.	318	3,410	62	330	1,652	0	98	1	65	0	1,163	39
CUNY, Queens C.	319	3,403	82	68	256	19	304	70	162	2,298	0	144
Loma Linda U.	320	3,328	0	0	3,327	0	0	1	0	0	0	0
Clark Atlanta U.	321	3,207	0	0	2,501	0	130	0	5	0	170	401
Bucknell U.	322	3,201	68	72	337	193	287	98	117	123	703	1,203
San Jose State U.	323	3,106	0	857	118	0	191	591	151	405	69	724
U. Ana G. Mendez, Gurabo	324	2,994	0	0	91	0	1,032	0	0	0	1,749	122
Long Island U.	325	2,935	0	3	2,865	0	13	0	0	0	0	54
California State U., San Bernardino	326	2,903	114	8	460	15	66	613	111	0	539	977
Amherst C.	327	2,894	38	85	607	104	311	54	750	0	0	945
U. Nebraska, Omaha	328	2,842	260	4	246	2	12	27	1,032	20	222	1,017
U. San Diego	329	2,823	0	8	158	33	189	22	152	13	143	2,105
Claremont Graduate U.	330	2,809	63	0	0	0	0	11	11	0	0	2,724

TABLE 27

Higher education R&D expenditures funded by institutional funds, ranked by all R&D expenditures, by R&D field: FY 2019

(Dollars in thousands)

Institution	Rank	All R&D expenditures	Computer and information sciences	Geosciences, atmospheric sciences, and ocean sciences	Life sciences	Mathematics and statistics	Physical sciences	Psychology	Social sciences	Sciences nec	Engineering	All non-S&E fields
California State U., Bakersfield	331	2,753	0	99	224	762	99	191	293	0	237	848
Tennessee Technological U.	332	2,751	474	14	752	0	247	12	24	0	721	507
Tuskegee U.	333	2,653	0	0	1,668	0	0	0	116	0	869	0
U. Oklahoma, Tulsa	334	2,649	0	0	1,584	0	0	0	90	0	275	700
California State U., Los Angeles	335	2,624	10 i	0 i	636 i	7 i	1,336 i	16 i	343 i	0 i	212 i	64 i
Charles R. Drew U. of Medicine and Science	336	2,622	0	0	2,622	0	0	0	0	0	0	0
U. Arkansas, Pine Bluff	337	2,562	0	0	1,783	0	96	0	0	679	0	4
East Tennessee State U.	338	2,547	0 i	1 i	1,923 i	3 i	66 i	428 i	73 i	0 i	0 i	53 i
U. Dayton	339	2,502	19	13	41	0	28	22	35	0	1,970	374
California State U., Fresno	340	2,486	0	81	1,300	32	213	23	309	0	266	262
U. North Carolina, Wilmington	341	2,444	41	386	959	3	27	17	91	337	142	441
Gallaudet U.	342	2,436	140	21	835	3	4	816	4	0	0	613
Franklin and Marshall C.	343	2,375	43	104	174	37	293	176	195	0	0	1,353
Philadelphia C. of Osteopathic Medicine	344	2,368	0	0	2,368	0	0	0	0	0	0	0
Pacific U.	345	2,356	0	0	1,689	3	535	0	30	0	0	99
Swarthmore C.	346	2,344	12	0	176	59	346	85	139	60	259	1,208
Colgate U.	347	2,313	120	148	475	29	411	163	371	0	0	596
C. Charleston	348	2,298	33	138	381	94	127	63	122	246	0	1,094
Virginia State U.	349	2,262	0	0	1,311	323	0	0	0	0	628	0
CUNY, John Jay C. of Criminal Justice	350	2,240	0	0	92	5	0	68	95	0	0	1,980
Elon U.	351	2,179	48	0	306	83	72	83	209	0	18	1,360
Alcorn State U.	352	2,133	0	0	1,226	0	0	0	894	0	13	0
U. Arkansas, Little Rock	353	2,089	544	0	541	7	191	0	22	0	602	182
New York Institute of Technology	354	2,059	0	0	1,969	0	0	0	0	0	90	0
Carleton C.	355	1,955	218	208	424	216	482	0	407	0	0	0
U. Northern Colorado	356	1,940	0	68	702	96	59	47	202	0	0	766

TABLE 27

Higher education R&D expenditures funded by institutional funds, ranked by all R&D expenditures, by R&D field: FY 2019

(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.	357	1,917	0	0	1,917	0	0	0	0	0	0	0
U. New England	358	1,885	0	323	1,485	0	23	35	19	0	0	0
Alfred U.	359	1,882	0	0	0	0	0	0	0	0	1,882	0
CUNY, Brooklyn C.	360	1,879	71	410	238	13	132	189	164	326	0	336
California State U., Fullerton	361	1,872	146	90	368	18	223	32	86	29	216	664
California State U., Northridge	362	1,863	41	112	971	2	40	0	52	191	20	434
U. South Florida, Sarasota-Manatee	363	1,859	0	0	186	0	17	147	165	0	0	1,344
Illinois Institute of Technology	364	1,826	197	10	172	1	80	0	21	0	1,333	12
Fayetteville State U.	365	1,793	0	0	0	0	0	0	0	0	0	1,793
Williams C.	366	1,758	45	35	138	88	506	0	288	0	0	658
Texas A&M U.-Commerce	367	1,756	34	0	341	3	171	205	66	0	17	919
U. San Francisco	368	1,723	27	21	361	13	64	39	168	6	0	1,024
Smith C.	369	1,658	79	57	241	77	110	86	276	0	63	669
South Dakota School of Mines and Technology	370	1,638	0	0	0	4	19	0	0	0	1,615	0
Reed C.	371	1,558	11	0	491	242	509	87	218	0	0	0
Texas A&M International U.	372	1,555	0	11	866	4	2	53	17	134	27	441
Montana Technological U.	373	1,548	0	863	120	0	8	0	0	0	557	0
Pennsylvania State U., Harrisburg	374	1,525	153	0	36	7	7	18	1,237	0	53	14
CUNY, Graduate School of Public Health and Health Policy	375	1,518	0	0	1,518	0	0	0	0	0	0	0
U. Central Arkansas	376	1,484	95	0	186	0	86	53	1	0	0	1,063
Lewis and Clark C.	377	1,483	0	53	22	25	35	26	5	0	0	1,317
Pomona C.	378	1,468	83	114	184	54	186	110	331	0	0	406
Eastern Connecticut State U.	379	1,466	6	19	124	5	10	215	198	101	0	788

TABLE 27

Higher education R&D expenditures funded by institutional funds, ranked by all R&D expenditures, by R&D field: FY 2019

(Dollars in thousands)

Institution	Rank	All R&D expenditures	Computer and information sciences	Geosciences, atmospheric sciences, and ocean sciences	Life sciences	Mathematics and statistics	Physical sciences	Psychology	Social sciences	Sciences nec	Engineering	All non-S&E fields
California State U., Long Beach	380	1,457	5	48	260	9	160	106	65	131	301	372
U. of the District of Columbia	381	1,455	0	0	1,455	0	0	0	0	0	0	0
Jackson State U.	382	1,438	94	0	216	10	665	0	49	159	245	0
Trinity U.	383	1,431	29	52	268	14	360	110	200	0	35	363
Catholic U. of America	384	1,398	0	0	160	0	629	83	169	0	251	106
U. of the Virgin Islands	385	1,385	0	0	1,385	0	0	0	0	0	0	0
Rutgers, State U. New Jersey, Camden	386	1,370	68	0	32	0	80	4	396	0	0	790
Minnesota State U., Mankato	387	1,339	0	0	229	0	0	0	45	0	356	709
Toyota Technological Institute, Chicago	388	1,325	1,325	0	0	0	0	0	0	0	0	0
Texas Woman's U.	389	1,321	0	0	775	27	29	172	48	0	0	270
Purdue U., Northwest	390	1,311	36	0	237	0	2	6	0	31	281	718
Hamilton C.	391	1,302	8	69	129	12	186	155	192	0	0	551
Saint Joseph's U.	392	1,260	0	0	313	17	241	183	72	0	0	434
New Jersey City U.	393	1,238	10	5	10	5	5	0	0	0	0	1,203
Harvey Mudd C.	394	1,208	104	0	109	23	297	0	0	393	229	53
West Texas A&M U.	395	1,197	0	11	735	2	20	0	5	69	243	112
Saint John's U., Collegeville	396	1,191	26	11	140	17	139	25	202	0	0	631
Pace U.	397	1,183	148	0	424	0	107	9	41	0	31	423
St. Cloud State U.	398	1,180	26	7	169	0	9	7	47	1	25	889
U. Guam	399	1,146	0	112	1,033	0	0	0	1	0	0	0
Texas Christian U.	400	1,144	0	0	500	105	149	0	156	0	5	229
DePaul U.	401	1,132	98	15	157	0	81	207	13	0	0	561
U. Wisconsin-Stevens Point	402	1,111	23	38	633	9	53	17	50	0	182	106
Grambling State U.	403	1,100	0	0	0	0	0	0	0	0	0	1,100
California State Polytechnic U., Pomona	404	1,094	9	69	696	3	20	0	0	0	84	213
Pennsylvania State U., Behrend	405	1,092	37	27	79	46	60	41	46	0	627	129

TABLE 27

Higher education R&D expenditures funded by institutional funds, ranked by all R&D expenditures, by R&D field: FY 2019

(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
Connecticut C.	406	1,089	32	0	200	0	518	0	339	0	0	0
C. of Saint Benedict	407	1,081	29	12	157	18	155	28	68	0	0	614
Pepperdine U.	408	1,059	0	0	55	22	71	65	54	266	0	526
Colorado C.	409	1,039	0	51	192	23	87	78	166	0	0	442
U. Hawaii, Hilo	410	1,035	0	44	606	185	31	0	52	71	0	46
SUNY, Oswego	411	1,028	13	9	94	10	113	6	22	549	135	77
Northern Michigan U.	412	1,027	0	78	462	1	15	78	0	0	0	393
U. Minnesota, Morris	413	1,011	1	57	42	161	24	2	124	0	0	600
U. Central del Caribe	414	1,002	0	0	1,002	0	0	0	0	0	0	0
Embry-Riddle Aeronautical U.	415	1,001	0	215	0	23	97	0	13	0	630	23
C. Wooster	416	997	0	99	398	1	291	0	110	0	0	98
Murray State U.	417	982	0	103	846	1	30	0	0	0	0	2
Wheaton C., Wheaton	418	950	5	46	59	7	125	56	546	0	3	103
Xavier U. Louisiana	419	932	0	0	932	0	0	0	0	0	0	0
Meharry Medical C.	420	921	0	0	921	0	0	0	0	0	0	0
Haverford C.	421	919	22	45	293	22	115	29	117	0	0	276
U. Washington, Bothell	422	915	115	81	109	0	41	0	0	0	12	557
Montclair State U.	423	904	0	109	145	11	6	5	35	0	0	593
SUNY, Geneseo	424	903	0	158	68	46	224	141	107	0	0	159
U. Nebraska, Kearney	425	891	0	0	555	4	104	28	26	0	0	174
California Lutheran U.	426	880	76	0	201	56	55	39	56	21	0	376
Purdue U., Fort Wayne	427	879	0	0	232	9	0	26	8	37	20	547
Yeshiva U.	428	869	0	0	869	0	0	0	0	0	0	0
Babson C.	429	868	0	0	0	0	0	0	0	0	0	868
U. North Georgia	430	861	12	4	180	4	16	0	20	0	0	625
Willamette U.	430	861	0	6	103	11	81	12	9	74	0	565
Albion C.	432	860	17	53	118	16	200	56	102	11	0	287
U. Michigan, Flint	433	855	14	0	149	0	39	0	3	0	25	625
Towson U.	434	851	29	25	345	62	166	12	49	5	0	158
California State U., Monterey Bay	435	849	77	159	482	0	0	80	30	0	0	21
U. Richmond	436	815	0	22	150	26	72	88	47	0	0	410
U. Northern Iowa	437	808	0	161	33	4	116	2	476	0	0	16

TABLE 27

Higher education R&D expenditures funded by institutional funds, ranked by all R&D expenditures, by R&D field: FY 2019

(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
Youngstown State U.	438	798	8	2	87	12	8	2	3	0	641	35
Macalester C.	439	797	119	26	156	0	89	41	144	0	0	222
CUNY, Lehman C.	440	787	0	0	0	0	0	0	0	0	0	787
Southeastern Louisiana U.	441	782	14	0	170	0	21	0	55	0	0	522
Arkansas State U., Jonesboro	442	781	21	0	562	1	32	5	0	9	122	29
U. Illinois, Springfield	443	774	0	0	5	0	0	8	630	0	0	131
Northern Kentucky U.	444	769	9	0	159	0	173	242	42	0	0	144
Bowdoin C.	445	758	3	120	298	3	63	0	81	0	0	190
U. of the Sciences Philadelphia	446	745	0	0	661	0	84	0	0	0	0	0
Albany C. of Pharmacy and Health Sciences	447	744	0	0	744	0	0	0	0	0	0	0
Dillard U.	448	732	0	0	550	0	140	0	0	0	0	42
Marshall B. Ketchum U.	449	725	i	i	0	i	0	i	0	i	0	i
U. Puerto Rico, Cayey	450	722	0	0	637	i	0	0	85	i	0	0
Kettering U.	451	720	15	0	5	7	56	0	0	0	582	55
CUNY, Advanced Science Research Center	452	706	0	0	283	0	323	0	0	0	90	10
Southern U. and A&M C., Baton Rouge	453	704	0	0	26	0	273	0	0	0	189	216
St. Edward's U.	454	700	150	20	50	10	31	15	30	0	0	394
Lamar U.	455	695	27	0	125	4	11	0	0	0	306	222
Des Moines U.	456	680	0	5	646	0	0	0	29	0	0	0
Keck Graduate Institute	457	673	i	i	0	i	5	i	0	i	0	i
Texas Southern U.	458	662	25	21	187	0	32	0	0	397	0	0
Appalachian State U.	459	657	19	101	298	16	42	7	29	30	1	114
Barnard C.	460	656	1	0	138	7	40	87	107	0	0	276
California State U., Dominguez Hills	461	653	4	7	82	28	186	36	51	0	0	259
Davidson C.	462	642	0	0	243	52	120	74	54	0	0	99
U. Wisconsin-Green Bay	463	640	13	i	22	i	363	i	5	i	31	i
St. Olaf C.	464	638	12	102	220	22	60	22	90	0	0	110
Union C., Schenectady	465	637	16	46	41	14	86	37	72	0	77	248

TABLE 27

Higher education R&D expenditures funded by institutional funds, ranked by all R&D expenditures, by R&D field: FY 2019

(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
Niagara U.	466	620	0	0	92	4	75	2	93	0	0	354
Andrews U.	467	615	0	7	35	3	1	0	537	0	5	27
U. of St. Thomas (MN)	468	603	6	4	78	6	94	18	1	0	112	284
Lafayette C.	469	598	7	0	27	17	42	20	40	0	74	371
Liberty U.	470	596	0	0	285	22	55	11	13	0	36	174
Sul Ross State U.	471	593	0	0	416	0	0	0	177	0	0	0
New York Medical C.	472	590	0 i	0 i	590 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i
Trinity C., Hartford	473	582	3	0	97	28	54	48	141	0	63	148
Mercyhurst U.	474	578 i	15 i	10 i	416 i	5 i	30 i	7 i	35 i	0 i	0 i	60 i
U. of Mary Washington	475	577	1	1	34	12	0	12	30	0	0	487
Franklin W. Olin C. of Engineering	476	574	0	0	0	0	0	0	0	0	195	379
CUNY, Baruch C.	477	570	0	24	50	14	45	8	126	0	0	303
Missouri State U.	478	567	0	1	309	0	50	0	77	0	58	72
Spelman C.	479	560	0	0	0	0	0	0	0	0	0	560
Palmer C. of Chiropractic, Davenport	480	550	0	0	550	0	0	0	0	0	0	0
Stephen F. Austin State U.	481	543	0	11	150	2	3	2	186	0	0	189
U. New Haven	482	542	6	51	42	0	99	3	162	0	162	17
U. Texas, Tyler	483	541	3	0	431	0	0	23	3	0	81	0
Dakota State U.	484	538	526	0	7	0	5	0	0	0	0	0
Colby C.	485	512	0	11	143	23	67	11	93	0	0	164
U. Wisconsin-Superior	486	510	0	0	510	0	0	0	0	0	0	0
Morgan State U.	487	507	10	0	110	8	4	0	0	0	254	121
Roger Williams U.	488	502	0	269	109	3	15	3	5	0	12	86
Oregon Institute of Technology	489	488	5 i	32 i	205 i	10 i	0 i	15 i	0 i	0 i	60 i	161 i
Austin Peay State U.	490	486	11	0	163	0	0	0	0	0	0	312
U. Hartford	490	486	0	0	0	0	0	0	0	0	486	0
SUNY, C. Brockport	492	480	0	144	245	7	42	4	23	0	0	15
Western Carolina U.	493	477	0	141	202	2	76	0	8	0	41	7
Winthrop U.	493	477	0	0	153	1	101	0	6	0	0	216
SUNY, C. Plattsburgh	495	472	0	303	25	0	116	3	0	0	0	25

TABLE 27

Higher education R&D expenditures funded by institutional funds, ranked by all R&D expenditures, by R&D field: FY 2019

(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
Oberlin C.	496	469	49	13	156	34	44	31	57	0	0	85
U. Wisconsin-La Crosse	496	469	0	18	136	4	113	9	37	17	0	135
Skidmore C.	498	465	1	19	130	13	131	44	39	0	0	88
Central Connecticut State U.	499	463	16	9	72	24	40	12	59	0	32	199
U. of the Incarnate Word	500	462	0	0	93	0	0	0	0	0	0	369
Central Washington U.	501	460	0	271	60	15	29	0	62	0	20	3
California State U., Chico	502	456	0	10	236	0	10	12	20	0	89	79
Hobart and William Smith Colleges	503	453	0	35	250	2	54	11	39	0	0	62
Rhode Island School of Design	504	450	i 14	i 0	i 187	i 0	i 0	i 0	i 74	i 0	i 0	i 175
Augsburg U.	505	441	0	0	0	0	0	0	0	0	0	441
Manhattan C.	506	430	0	0	82	0	0	0	0	0	129	219
U. Colorado Colorado Springs	507	424	22	11	19	1	12	20	15	66	18	240
U. North Carolina, Asheville	508	418	0	0	88	0	18	0	0	0	0	312
CUNY, C. Staten Island	509	408	0	0	51	22	220	31	6	0	0	78
St. John's U., New York	510	405	5	0	312	0	52	6	0	0	0	30
Furman U.	511	403	13	0	37	0	353	0	0	0	0	0
La Sierra U.	511	403	0	0	98	0	1	80	0	0	0	224
Emerson C.	513	398	123	0	67	0	0	0	22	0	0	186
Mount Holyoke C.	513	398	6	0	40	23	117	53	26	0	0	133
CUNY, Medgar Evers C.	515	383	0	0	288	3	54	0	24	0	0	14
Florida Polytechnic U.	516	369	23	0	27	8	0	0	0	0	287	24
U. Houston-Downtown	517	368	22	27	29	3	1	0	28	8	7	243
U. Puerto Rico, Humacao	518	367	0	0	9	0	358	0	0	0	0	0
Dickinson C.	519	350	5	6	30	6	32	12	15	0	0	244
SUNY, C. of Optometry	519	350	0	0	350	0	0	0	0	0	0	0
Black Hills State U.	521	349	0	0	211	0	36	0	0	0	0	102
Western Illinois U.	522	344	0	3	206	0	17	0	31	0	85	2
California State U., Channel Islands	523	337	2	0	200	21	3	10	36	10	0	55
Eastern Kentucky U.	524	328	0	7	195	0	0	5	12	0	0	109

TABLE 27

Higher education R&D expenditures funded by institutional funds, ranked by all R&D expenditures, by R&D field: FY 2019

(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
West Virginia State U.	525	318	0	0	268	0	40	0	10	0	0	0
Morehead State U.	526	317	0	0	83	0	0	0	5	0	5	224
Seattle U.	527	312	17	0	50	2	40	0	26	0	63	114
New Mexico Institute of Mining and Technology	528	311	11	0	0	0	0	0	0	0	300	0
National U. of Natural Medicine	529	308	0	0	308	0	0	0	0	0	0	0
Biola U.	530	294	7	0	195	2	13	3	17	0	30	27
Stockton U.	531	289	0	220	28	0	8	0	33	0	0	0
Bates C.	532	284	0	35	27	12	96	7	40	6	0	61
Hope C.	533	281	0	0	67	8	164	0	0	0	3	39
U.S. Naval Academy	534	275	14	0	0	30	100	0	0	0	131	0
Saginaw Valley State U.	535	271	7	4	52	1	2	9	61	8	95	32
Bradley U.	536	265	0	0	26	5	36	3	0	0	185	10
Christopher Newport U.	536	265	0	0	245	0	20	0	0	0	0	0
U. Wisconsin-Eau Claire	538	260	0	0	60	20	113	10	43	0	0	14
CUNY, New York City C. of Technology	539	256	1	0	144	2	35	0	4	0	36	34
Allegheny C.	540	248	1	1	8	0	9	0	0	13	0	216
Northwestern State U. Louisiana	541	244	63	0	0	0	0	0	109	0	0	72
U. Massachusetts, central office	542	240	0	0	15	0	0	0	76	10	1	138
Drake U.	543	236	0	0	91	7	10	16	11	0	0	101
Saint Michael's C.	543	236	0	0	67	0	168	1	0	0	0	0
Polytechnic U. Puerto Rico	545	234	0	0	0	0	0	0	0	0	0	234
U.S. Army War C.	546	231	0	0	0	0	0	0	0	0	0	231
Hampton U.	547	215	0	0	0	0	0	0	0	0	0	215
SUNY, Buffalo State	548	209	0	60	63	0	2	0	38	0	0	46
Whitman C.	549	207	7	16	64	0	41	12	26	0	0	41
Hofstra U.	550	206	0	9	36	5	10	16	18	0	8	104
U. Portland	551	189	0	3	49	0	61	7	5	0	19	45
Gettysburg C.	552	186	0	17	32	0	30	15	16	0	0	76
Indiana State U.	552	186	0	12	107	0	0	3	1	0	0	63

TABLE 27

Higher education R&D expenditures funded by institutional funds, ranked by all R&D expenditures, by R&D field: FY 2019

(Dollars in thousands)

Institution	Rank	All R&D expenditures	Computer and information sciences	Geosciences, atmospheric sciences, and ocean sciences	Life sciences	Mathematics and statistics	Physical sciences	Psychology	Social sciences	Sciences nec	Engineering	All non-S&E fields
U. Washington, Tacoma	554	184	0	50	75	0	0	0	0	5	0	54
U. Wisconsin-Platteville	555	183	2	9	67	3	16	5	11	0	19	51
Erikson Institute	556	179	0	0	0	0	0	0	0	0	0	179
Heidelberg U.	557	178	0	176	2	0	0	0	0	0	0	0
Kenyon C.	558	176	0	0	41	22	82	0	18	0	0	13
Western U. of Health Sciences	559	175	0	0	175	0	0	0	0	0	0	0
New England C. of Optometry	560	174	0	0	174	0	0	0	0	0	0	0
Fairfield U.	561	164	0	0	0	0	0	0	0	0	0	164
U. Southern Maine	562	161	0	0	1	0	0	0	125	0	0	35
Providence C.	563	152	0	0	101	0	16	3	5	0	1	26
Doane U.	564	148	11	0	87	0	44	0	0	0	0	6
U. Nebraska, central administration	565	146	0	0	139	0	7	0	0	0	0	0
Hawaii Pacific U.	566	136	0	31	76	0	0	0	9	0	0	20
Fort Valley State U.	567	129	0	0	93	36	0	0	0	0	0	0
Fort Hays State U.	568	123	0	15	35	0	55	0	18	0	0	0
U. Detroit Mercy	569	121	0	0	65	2	13	2	0	0	27	12
Seton Hall U.	570	120	0	0	0	0	0	0	0	0	0	120
CUNY, system office	571	109	5	0	27	0	0	0	0	65	0	12
Rhode Island C.	572	107	0	0	16	0	11	0	0	0	0	80
U. Hawaii, system office	572	107	0	0	0	0	0	0	0	107	0	0
Rider U.	574	104	0	15	22	15	22	0	0	0	0	30
Florida Gulf Coast U.	575	103	0	44	0	0	0	0	0	0	1	58
Jacksonville State U.	576	100	0	0	100	0	0	0	0	0	0	0
U. South Carolina, Aiken	577	99	0	0	12	0	0	0	0	0	67	20
California State U., Stanislaus	578	96	0	0	17	0	25	11	3	0	0	40
Lawrence Technological U.	578	96	0	0	0	0	9	0	0	0	79	8
U. Louisiana, Monroe	580	94	0	0	86	0	8	0	0	0	0	0
Colorado State U., Pueblo	581	89	0	0	34	0	6	6	7	0	22	14
CUNY, York C.	582	88	2	0	26	7	21	6	12	0	2	12

TABLE 27

Higher education R&D expenditures funded by institutional funds, ranked by all R&D expenditures, by R&D field: FY 2019

(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. Alaska, Southeast	608	2	0	0	2	0	0	0	0	0	0	0

i = imputed.

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

^a 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.

^b Johns Hopkins University includes the Applied Physics Laboratory, with \$52,062 thousand in institutionally financed R&D expenditures in FY 2019.

Note(s):

Institutions reporting zero expenditures in ranked total for FY 2019 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 2019.