

TABLE 25

Federally financed higher education R&D expenditures, ranked by all federal R&D expenditures, by R&D field: FY 2022

(Dollars in thousands)

Institution	Rank	All R&D expenditures	Computer and information sciences	Geosciences, atmospheric sciences, and ocean sciences	Life sciences	Mathematics and statistics	Physical sciences	Psychology	Social sciences	Sciences nec	Engineering	All non-S&E fields
All institutions	-	53,971,468	2,184,767	2,478,702	30,958,717	537,322	4,212,405	875,330	1,075,470	463,625	9,694,378	1,490,752
Johns Hopkins U. ^a	1	2,971,816	258,511	90,660	844,281	137,115	300,741	7,073	6,290	59,456	1,264,048	3,641
U. Washington, Seattle	2	1,083,090	17,137	131,461	678,979	5,777	56,218	8,261	8,206	0	127,827	49,224
U. California, San Diego	3	970,696	24,372	122,993	577,453	3,774	67,979	14,355	10,662	6,658	129,923	12,527
U. Michigan, Ann Arbor	4	970,636	9,398	8,308	602,777	6,956	39,773	7,831	94,899	2,243	189,405	9,046
Georgia Institute of Technology	5	940,488	127,768	8,730	14,410	3,886	22,817	1,926	7,754	0	739,429	13,768
Columbia U. in the City of New York	6	904,346	26,721	59,425	662,559	2,190	43,442	4,091	3,468	0	73,487	28,963
Duke U.	7	901,807	7,363	5,542	752,563	6,171	20,898	4,671	22,646	10	80,356	1,587
U. Pennsylvania	8	873,318	16,990	542	707,840	3,991	46,353	8,545	14,697	121	54,427	19,812
Stanford U.	9	860,125	15,804	13,060	619,699	5,353	74,962	10,450	6,084	0	89,919	24,794
U. California, Los Angeles	10	848,138	9,952	37,619	617,601	7,496	42,141	10,908	10,921	26,018	65,455	20,027
U. North Carolina, Chapel Hill	11	827,158	32,390	14,864	610,132	4,421	34,295	25,474	52,761	0	22,510	30,311
U. Pittsburgh, Pittsburgh	12	814,647	8,113	8,410	706,791	2,971	19,723	13,101	2,188	5,299	43,571	4,480
U. California, San Francisco	13	780,318	0	0	737,748	0	42,570	0	0	0	0	0
U. Maryland ^b	14	750,447	38,622	68,050	368,394	3,340	86,830	8,513	30,603	22,059	104,247	19,789
U. Wisconsin-Madison	15	740,854	19,278	38,120	451,388	4,515	65,819	4,589	24,878	26,848	85,549	19,870
Yale U.	16	689,270	6,245	2,789	608,877	2,242	33,421	6,698	1,846	0	23,926	3,226
Washington U., Saint Louis	17	681,353	4,059	5,869	597,001	1,484	21,448	6,177	955	1,100	24,042	19,218
Pennsylvania State U., University Park and Hershey Medical Center	18	681,159	62,351	24,690	163,120	15,402	53,722	25,948	18,106	0	300,829	16,991
New York U.	19	668,381	9,646	148	559,581	12,236	17,913	23,286	9,297	0	20,507	15,767
Vanderbilt U. and Vanderbilt U. Medical Center	20	666,282	13,064	746	551,132	793	16,621	7,731	2,513	0	52,364	21,318
U. Minnesota, Twin Cities	21	652,384	8,091	8,067	460,220	5,060	32,029	20,176	25,517	142	84,060	9,022
Ohio State U.	22	636,902	9,761	5,813	405,677	2,944	27,702	5,508	12,219	21,139	103,560	42,579
Cornell U.	23	636,481	20,092	5,066	426,964	2,663	94,346	4,406	4,621	0	73,646	4,677
Harvard U.	24	628,683	13,098	25,109	410,122	18,155	66,072	2,872	37,799	253	47,017	8,186
Northwestern U.	25	618,771	6,580	835	470,576	1,290	50,617	2,653	13,131	12,488	56,993	3,608
Icahn School of Medicine at Mount Sinai	26	610,646	0	0	610,646	0	0	0	0	0	0	0
U. Southern California	27	601,747	106,239	13,278	335,673	1,208	13,210	4,803	54,732	0	54,438	18,166
Emory U.	28	568,149	1,817	1,947	529,963	1,237	17,121	3,668	804	0	10,545	1,047
U. Texas, Austin	29	536,296	88,477	19,312	89,915	6,055	65,599	8,511	11,765	18	216,881	29,763
Massachusetts Institute of Technology	30	531,056	68,540	18,567	78,923	4,873	127,635	711	9,284	3,835	215,477	3,211
U. Colorado Boulder	31	507,892	18,032	126,188	45,590	3,145	127,772	12,052	9,730	1,246	148,185	15,952
Texas A&M U., College Station and Health Science Center	32	505,355	17,584	97,109	179,326	4,485	27,656	3,973	13,123	3,575	138,068	20,456

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Federally financed higher education R&D expenditures, ranked by all federal R&D expenditures, by R&D field: FY 2022

(Dollars in thousands)

Institution	Rank	All R&D expenditures	Computer and information sciences	Geosciences, atmospheric sciences, and ocean sciences	Life sciences	Mathematics and statistics	Physical sciences	Psychology	Social sciences	Sciences nec	Engineering	All non-S&E fields
U. California, Berkeley	33	468,542	1,157	6,156	139,051	6,868	134,927	9,775	8,148	59,798	93,638	9,024
U. California, Davis	34	468,468	4,762	9,146	344,180	4,058	23,183	1,929	19,444	83	56,254	5,429
U. Florida	35	467,739	10,685	9,729	306,946	1,435	21,896	11,349	7,942	0	79,991	17,766
U. Chicago	36	456,806	30,256	9,530	294,797	4,573	59,248	5,801	9,500	0	35,751	7,350
U. Colorado Anschutz Medical Campus ^c	37	429,949	0	19	427,999	0	353	254	97	0	730	497
U. Alabama, Birmingham	38	421,223	897	62	385,457	257	3,395	5,924	470	0	22,205	2,556
U. Illinois, Urbana-Champaign	39	420,953	59,157	5,897	133,116	2,586	51,602	7,597	2,349	584	144,390	13,675
Baylor C. of Medicine	40	420,054	0	0	420,054	0	0	0	0	0	0	0
Boston U.	41	413,102	7,577	7,310	291,846	2,891	24,802	14,406	1,000	1,644	54,675	6,951
Michigan State U.	42	381,504	7,450	3,028	157,980	6,732	133,138	8,633	17,060	925	34,356	12,202
Case Western Reserve U.	43	380,423	2,580	572	334,605	505	7,764	1,292	558	40	31,686	821
U. Arizona	44	374,936	10,037	14,396	212,681	3,065	75,484	4,893	7,363	1,940	42,072	3,005
U. Utah	45	367,040	26,098	40,026	216,826	5,830	17,611	5,244	11,759	0	35,141	8,505
Indiana U., Bloomington	46	360,300	27,634	3,155	275,712	1,761	19,586	8,050	9,231	909	7,149	7,113
Purdue U., West Lafayette	47	352,890	30,059	5,251	95,465	1,407	27,908	5,814	5,286	40	163,895	17,765
Rutgers, State U. New Jersey, New Brunswick	48	351,660	5,254	12,612	262,424	5,645	13,707	5,562	2,303	63	35,877	8,213
U. Cincinnati	49	350,392	507	506	313,607	623	5,296	7,994	3,998	0	14,790	3,071
Oregon Health and Science U.	50	346,724	0	0	336,077	0	0	0	0	0	10,647	0
U. Rochester	51	334,503	2,345	2,157	194,048	174	103,745	5,112	354	7,336	17,031	2,201
U. Virginia, Charlottesville	52	332,993	21,875	4,842	204,298	1,871	20,481	4,301	3,221	3,741	42,481	25,882
California Institute of Technology	53	326,401	7,541	34,882	71,848	683	181,341	0	0	0	25,812	4,294
Colorado State U., Fort Collins	54	316,727	3,517	44,116	194,216	2,505	12,006	3,119	7,838	6,259	36,428	6,723
U. Iowa	55	314,346	3,020	1,168	219,128	483	50,134	7,899	1,314	21	24,367	6,812
Arizona State U.	56	309,094	14,710	47,652	69,108	1,525	14,612	7,441	21,805	26,434	85,208	20,599
U. Texas Southwestern Medical Center	57	298,154	0	0	298,154	0	0	0	0	0	0	0
U. California, Irvine	58	291,393	12,523	8,168	174,170	3,837	28,779	5,864	2,435	137	40,869	14,611
Utah State U.	59	280,866	1,910	867	29,461	232	3,837	2,319	495	0	239,736	2,009
U. Miami	60	265,212	1,542	50,038	189,491	463	5,415	12,402	592	0	4,423	846
Carnegie Mellon U.	61	259,160	131,579	665	8,708	5,305	13,327	8,479	2,218	4,073	84,680	126
U. Massachusetts, Medical School	62	258,147	0	0	258,147	0	0	0	0	0	0	0
U. Kentucky	63	253,852	3,569	1,429	187,315	1,139	7,897	4,371	2,326	4,028	38,078	3,700
U. Illinois, Chicago	64	251,328	6,989	582	189,578	2,206	15,452	1,465	2,530	154	24,287	8,085
North Carolina State U.	65	250,582	12,459	14,124	85,984	11,484	16,847	1,002	3,543	11,080	88,636	5,423

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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
Scripps Research Institute	66	242,135	0	0	242,135	0	0	0	0	0	0	0
Virginia Polytechnic Institute and State U.	67	240,305	9,291	2,538	76,478	6,692	14,686	2,800	4,265	58	114,336	9,161
U. New Mexico	68	232,774	3,287	6,868	162,667	759	8,996	4,875	5,104	340	37,091	2,787
U. Connecticut	69	230,752	2,672	7,812	144,287	1,710	8,473	15,765	4,175	39	42,418	3,401
U. Texas M. D. Anderson Cancer Center	70	225,659	0	0	197,412	9,497	8,306	5,279	5,165	0	0	0
Albert Einstein C. of Medicine	71	220,780	0	0	220,780	0	0	0	0	0	0	0
U. Georgia	72	220,343	2,085	7,577	155,393	837	4,090	20,630	13,225	165	10,503	5,838
Princeton U.	73	218,390	16,783	20,940	54,350	4,759	58,459	2,078	7,521	0	52,615	885
SUNY, U. Buffalo	74	218,231	8,443	3,066	121,956	780	8,088	3,063	991	187	67,985	3,672
Brown U.	75	215,067	11,643	6,164	115,907	10,971	11,868	7,525	22,828	7,689	18,304	2,168
Woods Hole Oceanographic Institution	76	211,550	0	129,264	0	0	0	0	0	0	82,286	0
U. Oklahoma, Norman and Health Science Center	77	210,994	4,383	71,650	83,142	429	11,218	2,506	3,343	0	20,850	13,473
U. South Florida ^d	78	206,552	4,608	12,202	119,772	814	5,335	2,204	14,818	184	27,554	19,061
U. Dayton	79	203,206	10,116	798	780	0	680	374	0	0	189,150	1,308
U. Kansas	80	200,117	2,910	6,530	118,264	621	12,742	8,105	1,888	22	13,244	35,791
U. Delaware	81	194,775	3,963	19,133	33,921	1,541	26,652	7,107	5,313	3,192	88,552	5,401
Uniformed Services U. of the Health Sciences	82	194,187	0	0	180,078	0	0	14,109	0	0	0	0
Oregon State U.	83	192,621	4,593	41,103	83,704	1,015	5,326	854	3,142	2,642	44,377	5,865
Washington State U.	84	187,580	5,753	6,455	107,093	328	14,433	2,176	4,994	2,004	20,359	23,985
Iowa State U.	85	187,156	2,838	3,061	66,732	12,540	23,640	1,100	3,208	0	66,024	8,013
U. Texas Health Science Center, Houston	86	184,205	0	0	184,205	0	0	0	0	0	0	0
SUNY, Stony Brook U.	87	184,154	10,872	14,178	81,202	4,239	34,829	5,009	845	5,070	25,968	1,942
U. Missouri, Columbia	88	182,432	3,774	930	125,007	1,098	6,664	4,290	1,770	844	17,346	20,709
Wake Forest U.	89	180,754	308	0	177,957	85	1,310	183	34	0	804	73
Thomas Jefferson U.	90	173,861	0	0	173,778	0	0	0	0	0	77	6
U. Hawaii, Manoa	91	169,762	17,342	48,908	67,072	366	14,059	285	1,103	2,335	17,241	1,051
Virginia Commonwealth U.	92	166,726	1,398	164	120,851	717	2,560	9,017	637	0	9,441	21,941
Florida State U.	93	163,744	3,159	8,711	34,254	2,385	40,242	9,390	2,402	806	37,798	24,597
Medical U. South Carolina	94	163,395	0	0	163,395	0	0	0	0	0	0	0
George Washington U.	95	161,867	3,209	190	121,121	499	5,637	2,444	10,477	2,456	13,339	2,495
U. California, Santa Barbara	96	161,241	7,620	17,150	11,268	1,140	48,512	2,302	3,735	700	67,267	1,547
Dartmouth C. and Dartmouth Hitchcock Medical Center	97	155,445	4,922	2,054	96,688	2,954	10,411	9,764	2,001	775	25,052	824
U. Alaska, Fairbanks	98	154,742	724	102,308	18,419	168	9,045	59	982	8,720	12,504	1,813

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Federally financed higher education R&D expenditures, ranked by all federal R&D expenditures, by R&D field: FY 2022

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Medical C. Wisconsin	99	152,301	0	0	147,255	0	0	0	0	0	5,046	0
Northeastern U.	100	150,093	17,903	3,160	20,043	587	17,077	7,642	5,501	0	72,409	5,771
Tufts U.	101	150,081	1,132	702	91,344	6,031	9,794	3,673	3,547	12,648	19,796	1,414
U. Tennessee, Knoxville	102	149,260	7,689	1,799	39,901	856	13,906	1,794	1,231	7,585	70,892	3,607
Temple U.	103	143,580	3,381	458	108,014	894	10,386	9,394	1,380	2	4,494	5,177
Mississippi State U.	104	138,207	4,566	13,476	49,785	131	4,142	419	13,019	987	48,255	3,427
U. Alabama, Huntsville	105	132,060	54,406	18,414	398	28	13,902	68	837	0	43,390	617
U. New Hampshire	106	129,721	606	74,212	27,850	423	2,402	409	11,473	0	9,665	2,681
Florida International U.	107	129,683	9,924	10,615	27,280	461	18,951	19,381	5,941	619	31,994	4,517
U. Massachusetts, Amherst	108	129,044	17,579	2,553	40,676	2,326	16,202	5,574	3,198	286	35,204	5,446
Tulane U.	109	127,544	1,433	2,954	110,696	522	3,091	1,276	3,217	0	3,801	554
Georgetown U.	110	127,213	2,402	0	107,661	0	10,109	1,278	5,175	0	0	588
Wayne State U.	111	126,814	1,568	132	97,488	208	12,936	1,725	660	1,015	6,722	4,360
U. Notre Dame	112	124,411	6,781	0	15,704	2,814	29,426	4,689	1,606	5,888	50,651	6,852
U. Texas Medical Branch	113	123,467	0	0	122,912	0	0	0	0	0	555	0
Clemson U.	114	119,512	4,950	0	24,824	1,314	7,828	2,665	5,191	0	62,349	10,391
George Mason U.	115	119,406	19,743	12,644	11,781	2,458	5,050	2,292	9,194	35	50,246	5,963
U. Texas Health Science Center, San Antonio	116	119,071	0	0	119,071	0	0	0	0	0	0	0
Montana State U., Bozeman	117	118,974	1,386	3,353	40,618	1,493	13,784	240	684	4,770	42,936	9,710
U. Louisville	118	117,363	78	138	96,682	268	1,481	1,112	157	0	14,712	2,735
U. Vermont	119	117,163	1,073	2,946	98,902	473	2,302	2,277	1,533	1,527	5,794	336
U. Nebraska, Medical Center	120	114,754	0	0	114,754	0	0	0	0	0	0	0
U. California, Riverside	121	114,257	5,927	6,008	56,290	1,727	15,648	3,194	1,200	1,702	21,080	1,481
U. Nebraska, Lincoln	122	113,248	3,973	776	50,024	1,343	18,966	8,760	3,378	15	22,395	3,618
Louisiana State U., Baton Rouge	123	111,886	14,250	10,240	56,162	1,691	12,932	187	1,268	113	12,249	2,794
U. Central Florida	124	110,131	17,352	2,753	14,789	673	22,509	6,028	1,300	16	37,217	7,494
U. California, Santa Cruz	125	107,082	2,943	20,767	18,720	294	19,002	98	1,071	0	43,539	648
U. South Carolina, Columbia	126	106,752	2,838	3,255	61,828	1,430	1,401	5,495	3,723	0	21,003	5,779
Rice U.	127	105,345	7,325	3,342	9,357	4,359	18,067	3,670	1,896	440	53,851	3,038
Auburn U., Auburn	128	104,883	1,506	1,743	40,300	516	7,721	603	880	1,335	47,059	3,220
Drexel U.	129	99,399	5,308	0	55,083	630	1,597	2,247	1,072	94	27,063	6,305
West Virginia U.	130	97,327	1,239	2,844	56,203	227	8,912	918	1,016	776	21,919	3,273
U. Oregon	131	97,238	5,083	5,204	36,637	1,185	10,590	19,021	1,392	0	3,729	14,397

TABLE 25

Federally financed higher education R&D expenditures, ranked by all federal R&D expenditures, by R&D field: FY 2022

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U. Arkansas for Medical Sciences	132	95,080	0	0	95,080	0	0	0	0	0	0	0
Rockefeller U.	133	94,693	0	524	91,825	159	2,185	0	0	0	0	0
Wichita State U.	134	93,367	0	0	2,016	87	1,037	352	8	0	88,257	1,610
U. Rhode Island	135	93,190	701	42,342	23,613	0	2,698	2,978	1,817	5,972	9,997	3,072
U. Houston	136	84,295	3,307	3,403	20,895	3,377	8,607	9,962	853	32	28,251	5,608
U. Mississippi	137	84,270	104	1,524	67,593	268	7,655	25	154	0	3,779	3,168
U. Maine	138	84,072	605	10,119	20,521	26	2,278	189	171	3,968	44,010	2,185
U. Nevada, Reno	139	83,631	5,808	9,087	44,587	264	5,829	3,413	1,996	24	11,896	727
Kansas State U.	140	81,820	2,185	501	43,414	241	9,933	3,079	3,760	129	15,266	3,312
Georgia State U.	141	81,641	1,962	912	34,497	745	10,406	3,678	13,236	0	0	16,205
Rush U.	142	79,647	0	0	75,962	0	0	3,685	0	0	0	0
U. Louisiana, Lafayette	143	77,110	12,682	1,843	28,295	158	194	0	3,630	0	9,736	20,572
U. Montana, Missoula	144	73,507	1,314	3,072	55,741	524	5,843	279	1,773	0	0	4,961
New Mexico Institute of Mining and Technology	145	72,594	13,911	7,855	593	54	1,645	572	0	0	45,940	2,024
New Mexico State U.	146	71,718	3,334	3,216	24,375	138	7,819	140	530	2,102	29,723	341
New Jersey Institute of Technology	147	71,326	3,214	0	5,041	1,368	8,524	0	65	114	48,863	4,137
U. Wyoming	148	68,772	1,123	10,884	36,464	536	1,541	62	1,009	0	17,026	127
U. Alabama, Tuscaloosa	149	67,986	5,591	1,239	11,663	402	5,722	2,890	1,652	0	30,544	8,283
Colorado School of Mines	150	66,200	3,135	4,590	2,233	905	11,243	90	577	0	42,745	682
U. Maryland, Baltimore County	151	65,368	7,816	16,989	8,873	266	17,591	517	6,096	1,109	4,079	2,032
Augusta U.	152	64,609	228	0	64,015	81	187	98	0	0	0	0
U. Arkansas, Fayetteville	153	64,252	4,113	3,266	21,204	29	6,309	493	3,141	0	22,533	3,164
U. North Dakota	154	62,737	1,014	3,816	20,205	0	1,540	236	139	5	33,233	2,549
U. Massachusetts, Lowell	155	62,195	6,127	1,672	10,577	78	11,112	758	3,389	95	26,414	1,973
U. Texas, Dallas	156	60,706	6,495	316	15,344	819	9,735	2,400	526	34	24,404	633
U. Texas, El Paso	157	60,387	5,880	1,927	14,628	943	5,077	2,608	897	5	26,326	2,096
U. Tennessee, Health Science Center	158	60,221	0	0	60,221	0	0	0	0	0	0	0
Cold Spring Harbor Laboratory	159	59,163	0	0	59,163	0	0	0	0	0	0	0
U. Idaho	160	56,160	2,750	3,065	36,580	65	1,224	59	3,775	0	7,063	1,579
U. Texas, Arlington	161	56,025	2,977	251	8,854	847	11,568	248	20	0	28,177	3,083
U. Texas, San Antonio	162	54,384	13,737	2,814	14,215	392	5,547	918	2,850	269	10,333	3,309
Oklahoma State U., Stillwater	163	53,885	423	949	22,673	512	3,379	1,554	1,830	3,190	16,574	2,801
Cleveland State U.	164	53,395	0	0	41,743	48	394	180	552	0	9,597	881

TABLE 25

Federally financed higher education R&D expenditures, ranked by all federal R&D expenditures, by R&D field: FY 2022

(Dollars in thousands)

Institution	Rank	All R&D expenditures	Computer and information sciences	Geosciences, atmospheric sciences, and ocean sciences	Life sciences	Mathematics and statistics	Physical sciences	Psychology	Social sciences	Sciences nec	Engineering	All non-S&E fields
SUNY, U. Albany	165	51,492	1,517	5,828	35,709	212	2,984	1,023	1,843	0	1,355	1,021
Rensselaer Polytechnic Institute	166	50,605	5,250	1,521	4,807	812	4,338	2,101	401	0	29,720	1,655
San Diego State U.	167	50,540	776	1,569	19,519	1,612	4,461	12,573	1,213	207	5,043	3,567
Michigan Technological U.	168	48,766	4,749	12,460	841	146	1,659	249	458	442	27,496	266
U. Southern Mississippi	169	48,368	537	21,980	8,267	119	11,417	98	1,176	0	2,661	2,113
North Dakota State U.	170	45,343	694	355	21,251	3	6,438	1,349	805	3,168	10,191	1,089
Texas Tech U.	171	45,136	933	6,462	10,240	506	4,026	1,267	722	0	18,858	2,122
Naval Postgraduate School	172	44,852	4,953	4,481	704	2,069	4,668	40	4,681	5,020	13,920	4,316
Brandeis U.	173	44,205	1,082	17	22,663	282	9,444	1,920	6,922	1,393	147	335
Northern Arizona U.	174	43,453	1,247	4,468	28,895	0	3,894	60	286	366	2,709	1,528
Saint Louis U.	175	42,170	429	224	37,400	165	2,088	236	315	0	768	545
Florida A&M U.	176	41,943	1,208	6,246	21,483	0	1,874	107	2	62	5,427	5,534
Stevens Institute of Technology	177	41,836	3,994	0	833	333	1,257	0	0	0	34,630	789
Texas State U.	178	38,936	1,064	2,759	5,297	1,148	2,960	294	2,781	23	2,429	20,181
CUNY, City C.	179	38,596	524	2,024	5,466	115	9,999	775	0	0	19,125	568
Howard U.	180	37,331	570	305	20,671	0	4,953	1,662	379	0	8,156	635
U. Toledo	181	36,694	0	2,642	13,301	29	9,009	158	109	0	8,517	2,929
Boston C.	182	36,560	883	7,552	6,009	911	9,471	2,185	3,829	0	0	5,720
Lehigh U.	183	36,535	1,653	989	7,323	247	3,322	836	341	0	19,098	2,726
U.S. Air Force Academy	184	35,826	150	97	244	451	2,175	0	0	0	32,709	0
U. Puerto Rico, Medical Sciences Campus	185	35,050	0	264	34,786	0	0	0	0	0	0	0
Worcester Polytechnic Institute	186	34,004	7,543	0	1,589	1,987	1,869	0	1,163	0	18,401	1,452
Syracuse U.	187	33,976	1,367	846	5,050	208	8,255	1,306	4,152	15	7,290	5,487
William & Mary	188	33,730	1,887	15,166	2,027	302	4,946	170	3,481	0	0	5,751
Rochester Institute of Technology	189	33,373	5,594	0	765	1,886	9,087	143	385	0	10,560	4,953
Louisiana State U., Health Sciences Center, New Orleans	190	33,087	0	0	33,087	0	0	0	0	0	0	0
Mercer U.	191	32,504	3	0	2,175	0	0	0	34	333	29,959	0
Air Force Institute of Technology	192	32,479	1,794	778	0	149	8,136	0	0	0	21,622	0
SUNY, Polytechnic Institute	193	32,396	0	0	1,673	0	0	0	0	0	30,702	21
Boise State U.	194	32,015	1,733	2,061	7,885	1,271	4,686	62	1,468	244	11,149	1,456
Brigham Young U., Provo	195	31,636	1,097	537	5,963	654	5,323	148	736	0	15,386	1,792
Morehouse School of Medicine	196	31,339	0	0	31,339	0	0	0	0	0	0	0
U. Missouri, Kansas City	197	31,134	31	208	19,654	0	969	556	0	0	9,153	563

TABLE 25

Federally financed higher education R&D expenditures, ranked by all federal R&D expenditures, by R&D field: FY 2022

(Dollars in thousands)

Institution	Rank	All R&D expenditures	Computer and information sciences	Geosciences, atmospheric sciences, and ocean sciences	Life sciences	Mathematics and statistics	Physical sciences	Psychology	Social sciences	Sciences nec	Engineering	All non-S&E fields
San Jose State U.	198	30,984	0	7,076	2,038	313	2,376	16,209	153	0	1,323	1,496
Portland State U.	199	30,922	1,397	1,660	12,525	1,191	1,762	1,427	1,213	249	3,752	5,746
U. North Carolina, Greensboro	200	29,822	322	121	7,347	392	4,149	2,668	463	0	0	14,360
East Carolina U.	201	29,648	358	2,494	18,567	426	1,216	817	757	0	2,178	2,835
Van Andel Research Institute	202	29,424	0	0	29,424	0	0	0	0	0	0	0
Indiana U.-Purdue U., Indianapolis	203	29,353	2,759	972	11,144	142	1,998	3,075	2,156	548	4,375	2,184
North Carolina A&T State U.	204	29,094	922	0	10,753	836	1,996	133	0	0	10,157	4,297
U. Nevada, Las Vegas	205	28,867	758	2,540	13,038	37	4,861	521	423	35	5,031	1,623
Missouri U. of Science and Technology	206	28,792	1,335	0	172	173	2,838	95	99	0	24,061	19
Florida Atlantic U.	207	28,641	1,715	348	12,398	704	1,498	1,126	179	0	9,749	924
Old Dominion U.	208	27,804	1,430	2,057	3,163	643	5,033	1,123	791	0	11,184	2,380
SUNY, Upstate Medical U.	209	27,737	0	0	27,737	0	0	0	0	0	0	0
Loyola U., Chicago	210	26,972	356	0	23,194	34	1,253	809	359	0	0	967
U. North Carolina, Charlotte	211	26,871	7,560	673	3,320	676	2,574	504	875	0	8,783	1,906
Catholic U. of America	212	26,285	0	0	521	0	23,076	422	0	8	2,099	159
U. Denver	213	26,040	36	47	4,031	139	2,877	5,527	1,707	0	1,180	10,496
Illinois Institute of Technology	214	25,963	2,983	142	8,418	379	3,072	0	91	58	10,795	25
SUNY, Downstate Health Sciences U.	215	25,081	0	0	25,081	0	0	0	0	0	0	0
SUNY, Binghamton U.	216	24,888	1,737	215	2,334	77	5,229	4,687	808	0	8,326	1,475
U. Memphis	217	24,686	5,111	1,724	4,155	243	1,018	1,445	2,800	15	4,518	3,657
Morgan State U.	218	24,670	539	5,512	6,754	185	2,225	6	4	0	5,514	3,931
Delaware State U.	219	24,361	29	615	13,648	241	3,172	25	1,152	0	137	5,342
U. Wisconsin-Milwaukee	220	24,036	0	2,767	6,205	0	7,058	2,884	1,654	6	2,907	555
U. Nebraska, central administration	221	23,872	742	0	13,722	0	0	0	0	0	8,584	824
Embry-Riddle Aeronautical U.	222	23,863	1,888	1,338	540	106	4,744	0	0	0	14,083	1,164
U. South Alabama	223	23,762	1,349	2,641	12,537	231	479	691	362	0	4,296	1,176
U. California, Merced	224	23,421	827	2,364	5,102	1,313	4,363	106	295	2,041	5,007	2,003
U. Massachusetts, Boston	225	23,131	724	924	5,321	40	1,793	3,023	2,363	0	635	8,308
U. North Texas, Denton	226	23,056	2,610	240	4,277	0	3,134	1,017	294	0	10,227	1,257
South Dakota State U.	227	22,991	0	721	14,272	593	1,312	348	771	0	4,783	191
CUNY, Hunter C.	228	21,142	1,343	251	4,334	166	4,191	7,962	502	0	191	2,202
Ohio U.	229	20,587	21	1,925	6,781	26	4,370	1,611	417	0	5,209	227
Wright State U.	230	20,529	4,576	132	7,639	61	1,011	1,249	0	54	5,696	111

TABLE 25

Federally financed higher education R&D expenditures, ranked by all federal R&D expenditures, by R&D field: FY 2022

(Dollars in thousands)

Institution	Rank	All R&D expenditures	Computer and information sciences	Geosciences, atmospheric sciences, and ocean sciences	Life sciences	Mathematics and statistics	Physical sciences	Psychology	Social sciences	Sciences nec	Engineering	All non-S&E fields
U.S. Military Academy	231	19,708	6,609	25	130	1,016	178	774	4,526	0	6,086	364
U. of the Virgin Islands	232	19,127	267	8,544	7,183	679	1,130	0	534	0	790	0
Rowan U.	233	18,613	422	136	5,977	286	1,309	964	0	134	9,274	111
U. Texas Rio Grande Valley	234	18,317	1,447	879	8,582	714	1,299	23	205	48	4,536	584
Southern Methodist U.	235	17,680	247	3,697	1,161	1,351	3,652	1,105	327	489	2,769	2,882
Eastern Virginia Medical School	236	17,616	0	0	17,616	0	0	0	0	0	0	0
Desert Research Institute	237	17,341	0	17,341	0	0	0	0	0	0	0	0
U. Nebraska, Omaha	238	17,301	3,575	15	6,620	375	99	117	1,179	4,165	988	168
U. West Florida	239	17,114	3,654	54	927	0	1,012	0	72	0	14	11,381
U. Guam	240	17,066	0	6,841	9,112	57	131	0	156	0	6	763
U. Puerto Rico, Rio Piedras	241	16,905	331	1,978	2,524	124	4,386	63	86	3,324	3,900	189
Marshall U.	242	16,369	163	170	12,099	0	1,068	0	0	0	2,375	494
U. Puerto Rico, Mayaguez	243	16,223	192	3,870	583	5	1,280	219	449	0	7,325	2,300
Kent State U.	244	16,195	445	357	5,117	215	3,722	2,223	1,185	411	553	1,967
Rutgers, State U. New Jersey, Newark	245	16,099	1,899	1,450	7,627	0	2,906	432	327	0	0	1,458
Baylor U.	246	15,856	625	873	6,263	622	3,708	680	434	0	2,307	344
California State U., Northridge	247	15,546	105	1,015	3,898	320	6,308	308	300	61	2,377	854
Louisiana State U., Health Sciences Center, Shreveport	248	15,503	0	0	15,503	0	0	0	0	0	0	0
Marquette U.	249	15,316	1,058	0	5,929	421	1,620	250	0	0	5,605	433
San Francisco State U.	250	15,276	582	1,988	7,503	205	1,106	349	1,116	845	1,174	408
U. Alaska, Anchorage	251	15,249	31	4,424	7,222	0	315	57	759	927	1,074	440
Texas A&M U.-Corpus Christi	252	15,229	301	4,463	2,912	0	1,169	0	486	34	4,257	1,607
U. Maryland Center for Environmental Science	253	15,109	0	7,586	5,997	0	141	0	312	204	0	869
South Dakota School of Mines and Technology	254	15,100	0	0	0	16	2,305	0	0	0	12,779	0
California Polytechnic State U., San Luis Obispo	255	15,084	253	1,249	3,113	2,275	1,347	0	499	0	5,436	912
Meharry Medical C.	256	15,048	65	0	14,983	0	0	0	0	0	0	0
Jackson State U.	257	15,045	486	0	4,783	21	6,788	151	4	123	1,905	784
Tuskegee U.	258	14,911	875	0	9,000	888	1,910	108	0	0	2,099	31
CUNY, Queens C.	259	14,756	313	295	10,830	172	1,488	1,225	288	0	0	145
American U.	260	14,752	184	604	252	663	3,078	81	4,239	1,244	0	4,407
Texas Tech U., Health Sciences Center	261	14,620	0	0	14,602	0	0	0	0	0	0	18
U. Texas Health Science Center, Tyler	262	14,362	0	0	14,362	0	0	0	0	0	0	0
North Carolina Central U.	263	13,709	0	185	6,112	0	4,596	0	210	63	1,395	1,148

TABLE 25

Federally financed higher education R&D expenditures, ranked by all federal R&D expenditures, by R&D field: FY 2022

(Dollars in thousands)

Institution	Rank	All R&D expenditures	Computer and information sciences	Geosciences, atmospheric sciences, and ocean sciences	Life sciences	Mathematics and statistics	Physical sciences	Psychology	Social sciences	Sciences nec	Engineering	All non-S&E fields
U. South Dakota	264	13,702	138	0	10,126	0	1,877	503	0	0	859	199
Southern Illinois U., Carbondale	265	13,582	0	672	10,576	4	1,027	137	180	399	587	0
Albany Medical C.	266	13,384	0	0	13,384	0	0	0	0	0	0	0
Western Michigan U. and Homer Stryker M.D. School of Medicine	267	12,895	142	582	1,930	9	741	215	47	76	3,994	5,159
U. Colorado Denver ^C	268	12,668	619	642	1,484	988	1,798	929	387	0	3,398	2,423
CUNY, Advanced Science Research Center	269	12,580	0	172	3,669	0	7,392	0	0	0	1,347	0
U. Hawaii, system office	270	12,511	515	11,996	0	0	0	0	0	0	0	0
Creighton U.	271	12,022	690	0	9,311	181	1,234	169	214	0	0	223
CUNY, Graduate School of Public Health and Health Policy	272	11,880	0	0	9,886	0	0	1,994	0	0	0	0
California State U., Long Beach	273	11,739	178	370	3,212	349	2,698	1,751	393	0	2,181	607
Xavier U. Louisiana	274	11,733	673	0	3,460	0	7,504	63	18	0	0	15
Prairie View A&M U.	275	11,665	103	0	5,393	0	1,881	0	199	0	3,849	240
Hampton U.	276	11,274	720	2,576	1,659	163	4,282	0	434	0	1,215	225
U. Massachusetts, Dartmouth	277	11,162	735	6,132	191	480	437	0	19	0	2,245	923
Chapman U.	278	11,098	0	258	7,450	0	1,434	1,072	158	0	82	644
U. Akron	279	11,036	43	554	851	91	4,811	29	4	0	4,632	21
Florida Institute of Technology	280	10,970	4,101	1,051	745	208	951	555	0	0	2,818	541
Tennessee State U.	281	10,859	0	120	9,474	0	0	0	0	0	1,265	0
Charles R. Drew U. of Medicine and Science	282	10,656	0	0	10,656	0	0	0	0	0	0	0
Miami U.	283	10,277	0	616	3,941	186	2,078	1,226	257	0	843	1,130
Teachers C., Columbia U.	284	10,177	1,938	0	1,589	0	0	388	6,262	0	0	0
U.S. Naval Academy	285	10,147	804	516	0	1,115	1,515	0	0	0	6,197	0
Missouri State U.	286	10,084	0	280	1,062	0	159	48	137	0	8,396	2
U. of the District of Columbia	287	9,859	255	95	1,978	502	0	0	0	0	5,725	1,304
Northern Illinois U.	288	9,840	608	805	852	31	4,712	575	103	0	2,039	115
Central Michigan U.	289	9,773	0	582	6,652	0	2,053	168	71	190	48	9
East Tennessee State U.	290	9,715	0	0	9,397	125	192	0	0	0	0	1
Oakland U.	291	9,533	949	0	3,956	77	2,522	293	0	0	1,572	164
Northeast Ohio Medical U.	292	9,400	0	0	9,121	0	0	0	250	27	2	0
Alcorn State U.	293	9,361	0	0	4,787	0	0	0	4,354	0	219	1
Nova Southeastern U.	294	9,314	0	4,514	4,574	0	0	165	0	0	0	61
Alabama A&M U.	295	9,221	363	0	5,421	76	739	195	219	0	1,861	347
Loma Linda U.	296	9,134	0	0	8,497	0	0	637	0	0	0	0

TABLE 25

Federally financed higher education R&D expenditures, ranked by all federal R&D expenditures, by R&D field: FY 2022

(Dollars in thousands)

Institution	Rank	All R&D expenditures	Computer and information sciences	Geosciences, atmospheric sciences, and ocean sciences	Life sciences	Mathematics and statistics	Physical sciences	Psychology	Social sciences	Sciences nec	Engineering	All non-S&E fields
Idaho State U.	297	9,080	544	1,460	3,644	5	647	140	55	0	2,430	155
New York Medical C.	298	9,070	0	0	9,070	0	0	0	0	0	0	0
U. Maryland, Eastern Shore	299	9,062	0	3,743	5,260	0	0	0	0	0	59	0
California State U., East Bay	300	8,997	0	249	1,224	10	580	0	319	0	0	6,615
Lincoln U., Jefferson City	301	8,988	0	28	8,695	0	0	0	47	218	0	0
Winston-Salem State U.	302	8,903	339	100	2,419	51	786	509	100	138	0	4,461
Clarkson U.	303	8,834	501	9	667	230	1,636	0	119	0	5,180	492
Illinois State U.	304	8,673	141	394	3,898	145	1,219	0	0	0	0	2,876
California State U., Los Angeles	305	8,605	241	202	980	0	4,910	8	391	0	1,414	459
U. New Orleans	306	8,270	449	1,005	193	195	771	0	674	2,136	341	2,506
Texas A&M U.-Kingsville	307	8,225	0	0	3,904	0	60	51	0	0	2,819	1,391
Tennessee Technological U.	308	8,156	2,256	13	2,304	0	446	12	32	0	2,549	544
California State U., San Marcos	309	7,986	450	0	613	9	981	875	101	3,660	504	793
Bowling Green State U.	310	7,918	1	1,443	1,712	52	1,145	0	1,042	0	42	2,481
SUNY, C. of Environmental Science and Forestry	311	7,766	212	583	5,839	0	443	0	87	30	484	88
U. North Florida	312	7,758	416	25	786	0	436	949	439	0	258	4,449
Texas Southern U.	313	7,550	99	173	4,949	94	874	572	0	0	7	782
Rosalind Franklin U. of Medicine and Science	314	7,292	0	0	6,905	0	0	387	0	0	0	0
Fort Valley State U.	315	7,265	0	79	7,103	0	83	0	0	0	0	0
U. North Carolina, Wilmington	316	7,178	214	1,541	2,495	51	615	217	832	0	182	1,031
Western U. of Health Sciences	317	7,131	0	0	6,202	0	0	0	0	0	0	929
Virginia State U.	318	7,115	0	37	3,945	206	80	76	0	0	1,407	1,364
California State U., San Bernardino	319	6,693	580	61	305	283	1,939	663	26	0	0	2,836
U. Arkansas, Little Rock	320	6,675	2,898	0	1,488	1	284	0	6	0	1,366	632
California State U., Sacramento	321	6,646	166	672	400	43	213	112	453	107	3,718	762
Florida Gulf Coast U.	322	6,482	0	1,896	1,734	47	166	79	2	0	84	2,474
Villanova U.	323	6,476	57	165	1,599	64	1,467	290	0	0	1,949	885
Western Washington U.	324	6,347	196	1,971	328	217	1,629	176	347	569	227	687
Duquesne U.	325	6,309	0	470	4,508	36	441	0	86	0	21	747
California State U., Fullerton	326	6,136	156	136	2,317	775	1,108	170	360	463	639	12
U. Minnesota, Duluth	327	6,122	5	277	4,714	104	315	167	190	0	322	28
California State U., Fresno	328	5,928	202	0	1,185	1,158	1,984	11	327	0	971	90
Clark Atlanta U.	329	5,895	231	0	2,923	321	2,379	0	0	0	41	0

TABLE 25

Federally financed higher education R&D expenditures, ranked by all federal R&D expenditures, by R&D field: FY 2022

(Dollars in thousands)

Institution	Rank	All R&D expenditures	Computer and information sciences	Geosciences, atmospheric sciences, and ocean sciences	Life sciences	Mathematics and statistics	Physical sciences	Psychology	Social sciences	Sciences nec	Engineering	All non-S&E fields
U. Tulsa	330	5,893	2,909	92	360	0	531	12	104	0	1,557	328
CUNY, John Jay C. of Criminal Justice	331	5,777	0	0	479	98	618	2,016	579	372	0	1,615
Louisiana Tech U.	332	5,734	314	0	1,158	326	392	140	118	0	3,120	166
Texas Christian U.	333	5,670	104	258	363	0	356	182	14	4,120	84	189
Morehouse C.	334	5,664	396	0	451	47	2,393	59	0	1,710	0	608
Montana Technological U.	335	5,600	0	1,177	335	0	309	0	0	0	3,779	0
Central State U.	336	5,576	0	124	4,108	42	954	0	0	34	314	0
Naval War C.	337	5,529	0	0	0	0	0	0	929	0	0	4,600
U.S. Army War C.	338	5,496	0	0	0	0	0	0	5,496	0	0	0
California State Polytechnic U., Pomona	339	5,407	276	1	1,717	80	1,229	20	22	0	1,298	764
Rhode Island C.	340	5,372	85	0	629	0	441	143	0	0	0	4,074
U. Colorado Colorado Springs	341	5,345	2,394	150	313	0	314	301	0	0	1,134	739
Ball State U.	342	5,302	128	0	3,735	27	497	82	166	0	0	667
U. Hawaii, Hilo	343	5,292	82	1,597	2,826	25	270	0	236	256	0	0
Wesleyan U.	344	5,267	0	470	878	281	1,542	1,189	30	0	0	877
U. Tennessee, Chattanooga	345	5,214	716	0	662	295	0	0	21	715	2,622	183
Montclair State U.	346	5,189	445	723	1,058	330	845	417	50	0	49	1,272
Tarleton State U.	347	5,055	0	219	4,308	0	0	0	141	387	0	0
California State U., Monterey Bay	348	5,051	949	1,021	2,496	154	431	0	0	0	0	0
Sam Houston State U.	349	4,936	0	118	1,532	356	189	50	804	0	167	1,720
Fordham U.	350	4,856	121	0	575	34	642	1,951	61	0	0	1,472
U. Baltimore	351	4,853	310	48	0	0	0	0	734	0	0	3,761
Kentucky State U.	352	4,743	5	0	4,615	119	0	0	0	0	0	4
U. Detroit Mercy	353	4,663	23	0	4,069	0	0	38	0	0	510	23
MGH Institute of Health Professions	354	4,628	0	0	4,628	0	0	0	0	0	0	0
CUNY, Brooklyn C.	355	4,623	251	102	698	0	1,779	1,618	0	0	0	175
U. Missouri, Saint Louis	356	4,573	22	0	3,129	161	683	124	159	0	0	295
U. Washington, Tacoma	357	4,553	421	3,103	309	137	0	0	92	19	250	222
C. Charleston	358	4,485	190	2,328	1,146	0	474	9	0	0	158	180
Middle Tennessee State U.	359	4,347	181	0	1,944	357	945	102	271	0	288	259
Northwest Indian C.	360	4,298	0	60	504	0	0	0	0	0	227	3,507
West Virginia State U.	361	4,278	2	0	4,276	0	0	0	0	0	0	0
South Carolina State U.	362	4,270	117	0	1,537	0	1,086	0	0	0	773	757

TABLE 25

Federally financed higher education R&D expenditures, ranked by all federal R&D expenditures, by R&D field: FY 2022

(Dollars in thousands)

Institution	Rank	All R&D expenditures	Computer and information sciences	Geosciences, atmospheric sciences, and ocean sciences	Life sciences	Mathematics and statistics	Physical sciences	Psychology	Social sciences	Sciences nec	Engineering	All non-S&E fields
Southern U. and A&M C., Agricultural Research and Extension Center	363	4,261	0	0	4,261	0	0	0	0	0	0	0
Western Illinois U.	364	4,032	0	0	1,811	0	84	0	154	0	1,983	0
U. Washington, Bothell	365	4,009	498	351	667	22	1,152	0	68	0	387	864
Dakota State U.	366	3,976	3,976	0	0	0	0	0	0	0	0	0
Arkansas State U., Jonesboro	367	3,932	138	0	2,317	0	706	32	96	276	367	0
National Defense U.	368	3,920	0	0	400	0	0	0	3,020	0	0	500
Barnard C.	369	3,758	101	70	1,082	0	1,411	873	68	0	0	153
DePaul U.	370	3,757	613	88	2,030	92	0	16	169	0	76	673
Citadel Military C. South Carolina	371	3,741	2,608	0	124	15	82	61	0	0	222	629
Salisbury U.	372	3,734	225	89	112	0	40	0	3	0	0	3,265
Chicago State U.	373	3,699	78	0	2,223	0	1,339	0	59	0	0	0
Hope C.	374	3,691	0	0	2,130	17	947	0	0	0	374	223
U. New England	375	3,660	0	278	3,382	0	0	0	0	0	0	0
CUNY, Lehman C.	376	3,652	0	44	302	213	2,487	0	230	0	0	376
U. Wisconsin-Superior	377	3,635	0	28	3,536	0	0	0	0	0	71	0
Langston U.	378	3,616	0	0	3,361	0	46	77	0	0	0	132
Southern U. and A&M C., Baton Rouge	379	3,595	611	0	810	87	186	0	0	0	1,851	50
Youngstown State U.	380	3,533	156	0	251	66	356	60	50	0	2,525	69
Fisk U.	381	3,486	425	0	1,196	158	1,693	0	0	0	0	14
Norfolk State U.	382	3,398	298	0	101	35	1,051	0	0	0	1,597	316
Oklahoma State U., Center for Health Sciences	383	3,366	0	0	2,421	0	0	906	0	0	0	39
Bowie State U.	384	3,351	1,169	0	1,462	0	481	0	0	0	0	239
Rutgers, State U. New Jersey, Camden	385	3,349	2,279	0	0	0	13	0	1,057	0	0	0
U. Arkansas, Pine Bluff	386	3,306	0	0	2,883	0	296	0	86	41	0	0
Kennesaw State U.	387	3,290	268	0	715	624	381	20	394	0	351	537
Gallaudet U.	388	3,287	1,587	0	946	0	59	166	256	0	0	273
Pennsylvania State U., Behrend	389	3,262	29	573	951	2	78	155	23	0	1,039	412
Southern Illinois U., Edwardsville	390	3,250	1	587	1,340	26	361	0	74	36	204	621
U. North Texas, Health Science Center	391	3,172	0	0	3,172	0	0	0	0	0	0	0
Purdue U., Northwest	392	3,171	369	0	153	0	160	0	0	93	1,846	550
California State U., Dominguez Hills	393	3,156	346	0	254	39	1,019	359	126	0	0	1,013
Western Kentucky U.	394	3,127	0	470	1,041	57	1,058	288	78	0	135	0

TABLE 25

Federally financed higher education R&D expenditures, ranked by all federal R&D expenditures, by R&D field: FY 2022

(Dollars in thousands)

Institution	Rank	All R&D expenditures	Computer and information sciences	Geosciences, atmospheric sciences, and ocean sciences	Life sciences	Mathematics and statistics	Physical sciences	Psychology	Social sciences	Sciences nec	Engineering	All non-S&E fields
New York Institute of Technology	395	2,988	89	0	1,716	0	101	0	0	0	1,082	0
Alabama State U.	396	2,930	192	0	2,471	0	0	0	0	0	267	0
CUNY, C. Staten Island	397	2,916	119	0	1,047	157	955	597	0	0	0	41
Wellesley C.	398	2,915	437	157	859	169	157	170	571	0	395	0
U. San Diego	399	2,911	0	134	39	1,294	443	6	70	0	518	407
Sonoma State U.	400	2,889	0	1,675	452	506	28	56	0	13	0	159
James Madison U.	401	2,884	72	79	1,146	71	1,195	0	0	0	161	160
Amherst C.	402	2,862	61	251	1,269	305	797	163	16	0	0	0
Towson U.	403	2,844	909	554	618	84	493	124	27	0	0	35
Loyola Marymount U.	404	2,824	114	5	665	4	99	593	306	0	0	1,038
U. Central del Caribe	405	2,807	0	0	2,807	0	0	0	0	0	0	0
Haverford C.	406	2,722	18	31	451	30	2,070	107	15	0	0	0
Pacific U.	407	2,672	0	0	1,522	0	367	0	14	0	0	769
Hawaii Pacific U.	408	2,667	0	793	990	0	0	0	51	0	14	819
California State U., Bakersfield	409	2,665	0	47	58	1,140	105	0	23	0	302	990
Santa Clara U.	410	2,660	0	0	482	37	535	126	8	0	1,061	411
Long Island U.	411	2,652	28	262	2,084	0	172	43	0	0	0	63
Occidental C.	412	2,622	i 313	i 570	i 410	i 108	i 583	i 393	i 174	i 0	i 0	i 71
Georgia Southern U.	413	2,605	16	199	775	48	393	0	432	25	468	249
U. North Carolina, Asheville	414	2,600	289	96	996	0	672	0	0	0	0	547
Northern Kentucky U.	415	2,596	14	0	1,606	72	633	256	4	0	0	11
Fort Lewis C.	416	2,590	0	3	725	0	733	0	0	0	592	537
Appalachian State U.	417	2,567	260	132	1,137	6	434	84	277	0	42	195
Winthrop U.	418	2,542	58	10	204	0	350	0	6	0	0	1,914
Bucknell U.	419	2,539	10	0	777	148	929	0	0	8	660	7
Spelman C.	419	2,539	26	0	685	668	410	565	55	0	0	130
U. Michigan, Dearborn	421	2,537	0	0	215	130	22	0	0	131	2,030	9
CUNY, Graduate Center	422	2,535	6	3	0	88	0	154	649	389	0	1,246
Pace U.	423	2,534	727	0	178	0	38	0	0	0	529	1,062
U. of Health Sciences and Pharmacy in St. Louis	424	2,523	0	0	2,514	0	9	0	0	0	0	0
Saint Joseph's U.	425	2,520	85	0	1,405	0	456	0	176	0	0	398
Clark U.	426	2,500	11	534	621	0	719	0	615	0	0	0
St. John's U., New York	427	2,456	131	0	1,595	0	418	272	0	0	0	40

TABLE 25

Federally financed higher education R&D expenditures, ranked by all federal R&D expenditures, by R&D field: FY 2022

(Dollars in thousands)

Institution	Rank	All R&D expenditures	Computer and information sciences	Geosciences, atmospheric sciences, and ocean sciences	Life sciences	Mathematics and statistics	Physical sciences	Psychology	Social sciences	Sciences nec	Engineering	All non-S&E fields
U. New Haven	428	2,447	1,215	128	131	0	120	260	529	0	64	0
Central Washington U.	429	2,429	381	1,289	42	157	517	0	4	0	25	14
California State Polytechnic U., Humboldt	430	2,421	10	139	1,216	0	32	0	827	0	197	0
Smith C.	431	2,403	284	5	866	244	315	97	0	15	426	151
Eastern Michigan U.	432	2,346	11	47	1,293	33	173	174	21	0	76	518
Saginaw Valley State U.	433	2,341	i 254	i 0	i 1,515	i 0	i 0	i 0	i 171	i 0	i 0	i 401
Texas Tech U., Health Sciences Center, El Paso	434	2,339	0	0	1,751	0	0	0	0	0	0	588
Tougaloo C.	435	2,336	i 92	i 0	i 1,207	i 91	i 537	i 111	i 60	i 0	i 0	i 238
California State U., Chico	436	2,312	0	590	314	15	155	0	15	0	636	587
Troy U.	437	2,296	0	67	117	0	1,910	0	0	0	56	146
Middlebury C.	438	2,281	152	509	643	0	547	247	150	0	0	33
Northeastern Illinois U.	439	2,224	104	54	1,447	43	0	0	8	0	7	561
U. Southern Maine	440	2,201	0	39	107	13	0	0	1,970	0	72	0
Toyota Technological Institute, Chicago	441	2,199	2,199	0	0	0	0	0	0	0	0	0
Murray State U.	442	2,176	0	131	1,439	351	240	0	0	0	0	15
Reed C.	443	2,139	i 84	i 0	i 1,105	i 83	i 492	i 102	i 55	i 0	i 0	i 218
U. Northern Iowa	444	2,132	0	0	147	0	848	0	1,137	0	0	0
West Texas A&M U.	445	2,123	144	305	268	0	218	0	0	0	915	273
Hofstra U.	446	2,118	33	222	487	188	538	0	0	0	352	298
Seton Hall U.	447	2,092	0	0	463	0	722	0	0	0	0	907
Dine C.	448	2,091	0	0	2,091	0	0	0	0	0	0	0
Texas Woman's U.	448	2,091	0	0	1,420	0	4	70	0	0	0	597
Morehead State U.	450	2,086	0	0	287	0	0	0	0	0	1,799	0
SUNY, C. of Optometry	451	2,080	0	0	2,080	0	0	0	0	0	0	0
U. Louisiana, Monroe	452	1,993	0	103	1,612	0	125	0	153	0	0	0
C. New Jersey	453	1,984	212	0	651	21	840	0	3	0	133	124
Harvey Mudd C.	454	1,956	573	0	534	168	399	0	0	45	237	0
St. Edward's U.	455	1,940	120	0	414	159	317	0	0	0	0	930
Carleton C.	456	1,914	80	1,112	87	54	245	208	121	0	0	7
Pennsylvania State U., Harrisburg	457	1,911	5	3	1,094	7	7	34	10	0	74	677
U. Nebraska, Kearney	458	1,900	0	0	1,663	0	131	0	0	0	0	106
William Paterson U.	459	1,896	0	144	468	0	0	87	619	0	0	578
CUNY, Baruch C.	460	1,894	0	0	780	486	330	223	0	0	0	75

TABLE 25

Federally financed higher education R&D expenditures, ranked by all federal R&D expenditures, by R&D field: FY 2022

(Dollars in thousands)

Institution	Rank	All R&D expenditures	Computer and information sciences	Geosciences, atmospheric sciences, and ocean sciences	Life sciences	Mathematics and statistics	Physical sciences	Psychology	Social sciences	Sciences nec	Engineering	All non-S&E fields
Savannah State U.	461	1,881	0	694	255	0	53	0	6	264	609	0
U. Central Oklahoma	462	1,869	i 127 i	0 i	758 i	54 i	200 i	52 i	85 i	0 i	392 i	201 i
Johnson C. Smith U.	463	1,868	164	0	146	2	4	0	2	0	52	1,498
Bowdoin C.	464	1,867	51	230	957	29	328	107	0	0	0	165
Grand Valley State U.	465	1,819	8	484	1,028	1	248	33	0	0	0	17
U. Oklahoma, Tulsa	466	1,804	0	0	416	0	0	0	20	0	662	706
Indiana U. Pennsylvania	467	1,797	113	229	814	0	313	73	250	5	0	0
Bates C.	468	1,785	33	41	1,491	0	127	27	66	0	0	0
Texas A&M U.-Commerce	469	1,776	93	0	409	0	891	101	0	0	0	282
CUNY, New York City C. of Technology	470	1,769	164	0	293	183	710	0	0	0	33	386
Swarthmore C.	471	1,733	55	0	820	132	486	68	0	0	51	121
U. Central Arkansas	472	1,731	509	0	583	1	273	0	116	0	0	249
Western Carolina U.	473	1,727	0	226	970	0	9	0	123	0	134	265
Christopher Newport U.	474	1,701	0	0	293	222	690	32	0	0	437	27
Yeshiva U.	475	1,695	0	0	1,013	0	682	0	0	0	0	0
U. Northern Colorado	476	1,692	0	151	634	31	15	24	445	0	0	392
Franklin and Marshall C.	477	1,680	0	2	908	19	508	31	212	0	0	0
Black Hills State U.	478	1,676	363	0	1,142	0	95	0	0	0	0	76
Elizabeth City State U.	479	1,667	348	0	802	0	0	0	0	0	0	517
Fayetteville State U.	479	1,667	233	0	437	0	165	0	56	42	127	607
CUNY, York C.	481	1,659	0	888	355	103	152	140	0	0	0	21
California State U., Channel Islands	482	1,638	62	0	342	460	77	0	2	677	1	17
Texas A&M International U.	483	1,624	0	0	355	74	186	0	527	403	66	13
U. Richmond	483	1,624	0	365	574	0	346	253	73	0	0	13
Claremont Graduate U.	485	1,610	0	0	0	74	0	37	538	0	0	961
Midwestern U.	486	1,609	0	0	1,609	0	0	0	0	0	0	0
New England C. of Optometry	486	1,609	0	0	1,609	0	0	0	0	0	0	0
Des Moines U.	488	1,589	0	444	865	0	0	0	280	0	0	0
U. Texas, Tyler	489	1,585	37	0	1,258	74	0	0	4	0	212	0
Colgate U.	490	1,570	79	501	170	113	686	0	21	0	0	0
SUNY, Geneseo	491	1,564	0	68	85	0	1,108	226	27	0	0	50
Palmer C. of Chiropractic, Davenport	492	1,550	0	0	1,550	0	0	0	0	0	0	0
U. Texas of the Permian Basin	493	1,538	0	0	797	0	0	35	197	0	509	0

TABLE 25

Federally financed higher education R&D expenditures, ranked by all federal R&D expenditures, by R&D field: FY 2022

(Dollars in thousands)

Institution	Rank	All R&D expenditures	Computer and information sciences	Geosciences, atmospheric sciences, and ocean sciences	Life sciences	Mathematics and statistics	Physical sciences	Psychology	Social sciences	Sciences nec	Engineering	All non-S&E fields
Mount Holyoke C.	494	1,511	225	0	493	146	322	325	0	0	0	0
Colby C.	495	1,466	63	349	665	28	197	0	85	0	0	79
Dillard U.	496	1,422	0	89	548	19	155	0	0	174	7	430
U. Ana G. Mendez, Gurabo	497	1,407	0	0	272	0	33	0	0	0	987	115
U. Alaska, Southeast	498	1,392	0	393	420	0	25	0	50	504	0	0
Colorado C.	499	1,371	0	440	0	44	211	0	7	0	0	669
Davidson C.	500	1,370	164	0	325	0	317	412	152	0	0	0
Roger Williams U.	501	1,351	0	314	535	0	44	45	0	0	44	369
U. of the Pacific	501	1,351	0	53	981	0	152	0	0	30	135	0
Trinity U.	503	1,345	27	90	230	38	620	312	21	0	7	0
U. Wisconsin-Oshkosh	504	1,336	0	24	511	0	327	0	0	0	252	222
Lafayette C.	505	1,300	7	0	573	36	407	46	0	0	222	9
SUNY, Buffalo State	506	1,299	3	1,061	29	139	0	0	0	0	23	44
New Mexico Highlands U.	507	1,288	184	184	184	184	184	0	184	0	0	184
Williams C.	508	1,286	47	97	614	47	273	57	30	0	0	121
Southeastern Louisiana U.	509	1,285	0	0	805	0	263	0	0	0	6	211
Furman U.	510	1,280	0	99	283	0	768	130	0	0	0	0
Utah Valley U.	510	1,280	123	140	261	82	494	0	0	0	180	0
Colorado State U., Pueblo	512	1,278	326	0	952	0	0	0	0	0	0	0
Hobart and William Smith Colleges	513	1,264	0	237	737	85	195	0	0	10	0	0
New School	514	1,261	0	131	1	0	0	646	92	0	294	97
Bryn Mawr C.	515	1,257	120	0	448	53	636	0	0	0	0	0
U. Wisconsin-Stevens Point	516	1,235	0	37	1,111	0	87	0	0	0	0	0
Butler U.	517	1,227	0	0	1,081	0	105	41	0	0	0	0
Pomona C.	518	1,217	50	108	223	287	522	8	19	0	0	0
Drake U.	519	1,211	1	0	205	108	211	0	0	0	0	686
U. Illinois, Springfield	520	1,210	0	0	28	0	14	0	839	0	0	329
Lake Superior State U.	521	1,184	0	0	1,178	0	0	0	6	0	0	0
Lamar U.	522	1,180	72	0	63	0	30	0	15	0	445	555
Clafin U.	523	1,179	387	105	458	0	102	0	64	0	63	0
Nevada State C.	524	1,167	0	82	1,085	0	0	0	0	0	0	0
Pittsburg State U.	524	1,167	0	0	518	0	27	0	22	0	600	0
U. Puerto Rico, Humacao	526	1,160	0	92	1	0	1,014	53	0	0	0	0

TABLE 25

Federally financed higher education R&D expenditures, ranked by all federal R&D expenditures, by R&D field: FY 2022

(Dollars in thousands)

Institution	Rank	All R&D expenditures	Computer and information sciences	Geosciences, atmospheric sciences, and ocean sciences	Life sciences	Mathematics and statistics	Physical sciences	Psychology	Social sciences	Sciences nec	Engineering	All non-S&E fields
Seattle U.	527	1,143	1	0	180	97	126	0	0	0	48	691
Virginia Military Institute	528	1,137	1,031	0	0	0	55	0	0	0	51	0
Coastal Carolina U.	529	1,130	133	478	195	0	111	0	0	0	159	54
Albany C. of Pharmacy and Health Sciences	530	1,110	0	0	1,110	0	0	0	0	0	0	0
Lawrence Technological U.	531	1,109	53	0	0	21	132	0	0	0	382	521
U. of the Incarnate Word	532	1,078	0	0	340	0	407	0	0	0	331	0
Claremont McKenna C.	533	1,070	24	4	272	79	385	306	0	0	0	0
California State U., Stanislaus	534	1,056	208	0	481	218	101	25	23	0	0	0
Vassar C.	535	1,052	113	2	544	80	61	135	17	0	0	100
Trinity C., Hartford	536	1,049	0	0	811	18	85	105	17	0	13	0
U. Wisconsin-Green Bay	537	1,046	39	57	582	8	80	20	24	0	199	37
Abilene Christian U.	538	1,032	0	0	0	0	905	0	0	0	29	98
Kenyon C.	539	1,021	0	0	724	18	279	0	0	0	0	0
Alfred U.	540	1,008	0	1	0	0	16	0	0	0	991	0
La Sierra U.	541	972	0	0	0	0	0	0	0	0	0	972
Milwaukee School of Engineering	542	969	65	0	0	0	0	0	0	0	904	0
U. Wisconsin-La Crosse	543	968	62	9	486	43	74	0	294	0	0	0
Touro U., California	544	964	0	0	964	0	0	0	0	0	0	0
Macalester C.	545	943	0	142	77	94	505	0	34	0	0	91
Calvin U.	546	931	44	0	274	40	246	0	28	265	33	1
U. Houston-Downtown	547	903	133	4	93	0	7	37	0	0	71	558
Indiana State U.	548	894	0	125	245	24	115	0	0	0	70	315
U. Hartford	549	886	0	0	70	30	0	26	66	0	694	0
Pepperdine U.	550	883	0	0	238	0	0	107	19	0	0	519
Stephen F. Austin State U.	551	879	0	23	602	208	0	0	0	0	0	46
Austin Peay State U.	552	870	0	206	601	0	63	0	0	0	0	0
Skidmore C.	553	861	0	157	188	14	318	106	13	0	0	65
Memorial Sloan Kettering Cancer Center, Louis V. Gerstner Jr. Graduate S. of Biomedical Sciences	554	858	0	0	858	0	0	0	0	0	0	0
U. South Carolina, Aiken	555	857	0	0	721	0	8	0	0	0	128	0
Eastern Washington U.	556	855	0	16	394	0	118	0	320	0	0	7
West Chester U. Pennsylvania	557	854	0	0	385	0	252	190	8	0	0	19
Southern Connecticut State U.	558	848	2	23	353	0	232	70	0	27	0	141

TABLE 25

Federally financed higher education R&D expenditures, ranked by all federal R&D expenditures, by R&D field: FY 2022

(Dollars in thousands)

Institution	Rank	All R&D expenditures	Computer and information sciences	Geosciences, atmospheric sciences, and ocean sciences	Life sciences	Mathematics and statistics	Physical sciences	Psychology	Social sciences	Sciences nec	Engineering	All non-S&E fields
U. Houston-Clear Lake	559	841	2	0	546	0	86	134	60	0	13	0
Erikson Institute	560	815	0	0	0	0	0	0	0	0	0	815
Franklin W. Olin C. of Engineering	561	809	0	0	0	0	0	0	0	0	805	4
Grambling State U.	561	809	i 0 i	0 i	0 i	0 i	483 i	0 i	0 i	0 i	0 i	326 i
CUNY, system office	563	798	8	0	38	0	0	0	0	0	718	34
Willamette U.	564	791	0	85	411	0	56	35	0	0	0	204
U. Virginia's C. Wise	565	786	447	0	110	0	23	0	50	0	156	0
U. Puget Sound	566	780	0	41	621	0	60	0	21	0	0	37
Northland C.	567	778	i 0 i	63 i	502 i	38 i	0 i	55 i	28 i	0 i	0 i	92 i
U. Puerto Rico, Cayey	568	757	0	0	30	0	59	0	0	668	0	0
SUNY, C. Brockport	569	751	0	0	529	0	179	0	15	0	0	28
Union C., Schenectady	570	750	49	158	41	36	107	0	0	0	359	0
Lewis and Clark C.	571	746	0	208	345	0	193	0	0	0	0	0
Northwestern State U. Louisiana	572	742	0	0	13	0	0	0	729	0	0	0
C. Wooster	573	737	0	155	116	68	391	0	0	0	0	7
U. North Georgia	574	734	456	62	54	0	15	0	10	0	0	137
Stockton U.	575	728	0	420	291	0	0	0	17	0	0	0
Augustana U.	576	724	0	0	403	0	306	0	0	0	0	15
Kean U.	577	715	237	1	142	0	1	7	0	0	0	327
Florida Polytechnic U.	578	706	138	0	0	0	0	0	0	0	493	75
Ithaca C.	579	703	57	13	262	122	205	0	44	0	0	0
U. Wisconsin-Eau Claire	580	681	0	35	0	11	438	197	0	0	0	0
Western New England U.	581	648	69	0	134	50	0	0	0	0	395	0
Keck Graduate Institute	582	643	0	0	643	0	0	0	0	0	0	0
Sul Ross State U.	583	623	i 49 i	59 i	290 i	20 i	76 i	20 i	33 i	0 i	0 i	76 i
Connecticut C.	584	620	48	0	152	0	229	102	23	0	0	66
East Stroudsburg U. Pennsylvania	585	598	0	0	128	0	0	0	0	0	0	470
SUNY, C. Plattsburgh	586	584	0	446	112	0	26	0	0	0	0	0
Alaska Pacific U.	587	581	0	522	20	0	0	0	0	0	0	39
Robert Morris U.	588	577	i 29 i	0 i	410 i	8 i	0 i	7 i	10 i	0 i	103 i	10 i
Minnesota State U., Mankato	589	575	5	5	458	0	29	0	78	0	0	0
Northern Michigan U.	590	571	14	141	303	0	0	34	21	0	0	58
Plymouth State U.	590	571	1	373	159	0	0	0	21	0	0	17

TABLE 25

Federally financed higher education R&D expenditures, ranked by all federal R&D expenditures, by R&D field: FY 2022

(Dollars in thousands)

Institution	Rank	All R&D expenditures	Computer and information sciences	Geosciences, atmospheric sciences, and ocean sciences	Life sciences	Mathematics and statistics	Physical sciences	Psychology	Social sciences	Sciences nec	Engineering	All non-S&E fields
U. San Francisco	592	547	0	179	158	12	102	0	96	0	0	0
SUNY, Oswego	593	544	30	55	82	0	377	0	0	0	0	0
Monmouth U.	594	535	0	294	81	0	99	12	49	0	0	0
U. of St. Thomas (MN)	595	527	7	7	102	19	52	0	0	0	285	55
Central Connecticut State U.	596	511	0	0	23	0	64	0	240	0	143	41
Bentley U.	597	509	75	13	0	51	0	0	84	0	0	286
U. of Mary Washington	598	501	14	28	111	0	84	0	0	0	0	264
Edward Via C. of Osteopathic Medicine	599	482	0	0	482	0	0	0	0	0	0	0
West Virginia School of Osteopathic Medicine	600	468	0	0	468	0	0	0	0	0	0	0
Canisius C.	601	454	0	0	0	0	159	0	0	295	0	0
Manhattan C.	602	440	0	0	0	242	140	0	0	0	58	0
U. Wisconsin-Platteville	603	435	i 27	i 0	i 179	i 11	i 46	i 7	i 22	i 5	i 99	i 39
Whitman C.	604	434	0	107	103	0	194	0	30	0	0	0
Elon U.	605	428	0	0	97	84	0	162	18	0	0	67
St. Cloud State U.	606	401	9	0	81	0	0	0	0	0	0	311
Texas A&M U.-San Antonio	607	394	151	7	200	0	0	0	36	0	0	0
Marshall B. Ketchum U.	608	383	i 0	i 0	i 383	i 0	i 0	i 0	i 0	i 0	i 0	i 0
SUNY, Cobleskill	609	379	0	0	0	0	0	0	0	0	379	0
U. North Carolina, general administration	610	369	51	0	0	0	0	0	0	0	268	50
Oregon Institute of Technology	611	340	i 27	i 32	i 166	i 12	i 0	i 7	i 0	i 0	i 96	i 0
Suffolk U.	611	340	0	14	14	0	45	236	13	0	18	0
Hamilton C.	613	338	0	49	75	0	42	24	139	0	0	9
Albion C.	614	323	i 46	i 47	i 46	i 46	i 46	i 0	i 46	i 0	i 0	i 46
Purdue U., Fort Wayne	615	313	0	0	20	0	56	112	0	0	92	33
St. Catherine U.	616	300	0	0	292	0	0	0	8	0	0	0
California Lutheran U.	617	298	0	0	23	0	42	0	0	233	0	0
Azusa Pacific U.	618	282	0	0	7	0	6	269	0	0	0	0
Heidelberg U.	619	262	0	262	0	0	0	0	0	0	0	0
Grinnell C.	620	242	123	0	20	21	43	0	2	0	0	33
Framingham State U.	621	232	i 20	i 0	i 119	i 9	i 31	i 8	i 13	i 0	i 0	i 32
Pratt Institute	622	228	0	0	0	0	0	0	0	0	0	228
U. Charleston	623	217	0	0	217	0	0	0	0	0	0	0
Kettering U.	624	213	8	0	0	0	2	0	0	0	0	203

TABLE 25

Federally financed higher education R&D expenditures, ranked by all federal R&D expenditures, by R&D field: FY 2022

(Dollars in thousands)

Institution	Rank	All R&D expenditures	Computer and information sciences	Geosciences, atmospheric sciences, and ocean sciences	Life sciences	Mathematics and statistics	Physical sciences	Psychology	Social sciences	Sciences nec	Engineering	All non-S&E fields
California State U., Maritime Academy	625	192	0	51	0	0	0	0	0	0	84	57
Marymount U.	626	178	161	0	17	0	0	0	0	0	0	0
U. California, Office of the President	627	158	0	0	158	0	0	0	0	0	0	0
Eastern Connecticut State U.	628	126	0	6	36	0	0	0	0	0	0	84
Mercyhurst U.	629	82	0	0	0	0	24	0	0	40	0	18
C. of Saint Benedict	630	51 i	3 i	0 i	27 i	2 i	11 i	3 i	1 i	0 i	0 i	4 i
Babson C.	631	45	0	16	0	0	0	0	0	0	0	29
Philadelphia C. of Osteopathic Medicine	632	40	0	0	40	0	0	0	0	0	0	0
Roseman U. of Health Sciences	633	30	0	0	30	0	0	0	0	0	0	0

i = imputed.

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

^a Johns Hopkins University includes the Applied Physics Laboratory, with \$1,983,078 thousand in federally financed R&D expenditures in FY 2022.^b 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.^c 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.^d The University of South Florida includes expenditures from the University of South Florida, Tampa; University of South Florida, Saint Petersburg; and University of South Florida, Sarasota-Manatee campuses. Due to the consolidation of the three campuses that occurred on 1 July 2020, University of South Florida, Saint Petersburg and University of South Florida, Sarasota-Manatee began reporting with the University of South Florida, Tampa as the University of South Florida. Prior to FY 2021, all three campuses reported to the survey as separate institutions.**Note(s):**

Institutions reporting zero federal expenditures 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. This table includes only institutions reporting \$1 million or more in total R&D expenditures in 2021. Institutions reporting less than \$1 million in total R&D expenditures in 2021 completed a shorter version of the survey form in FY 2022, and that form did not collect federally financed R&D expenditures by source and detailed field. For federally financed R&D expenditures by major field at institutions completing the shorter version of the survey, see table 84.

Source(s):

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