

TABLE 47

**Total and federally financed higher education R&D expenditures in mathematics and statistics, ranked by FY 2022 total: FYs 2019–22**

(Dollars in thousands)

Institution	Rank	Total				Federally financed			
		2019	2020	2021	2022	2019	2020	2021	2022
All institutions	-	769,019	800,583	772,890	879,526	466,994	485,550	475,602	537,322
Johns Hopkins U. <sup>a</sup>	1	85,874 i	105,774 i	117,429 i	141,477 i	83,057	102,890	113,772	137,115
Harvard U.	2	22,127	20,038	19,503	22,230	18,465	17,747	16,848	18,155
New York U.	3	12,002	13,465	16,998	20,916	7,105	8,861	10,981	12,236
U. Texas M. D. Anderson Cancer Center	4	20,358	21,622	18,914	20,403	7,403	8,853	7,789	9,497
U. Michigan, Ann Arbor	5	18,478	18,648	17,937	20,129	5,874	5,771	5,490	6,956
Iowa State U.	6	16,551	17,062	16,101	19,927	7,940	10,785	9,537	12,540
U. Texas, Austin	7	17,222	20,290	17,349	18,319	7,122	8,882	5,691	6,055
North Carolina State U.	8	20,296	20,164	20,392	17,531	12,331	11,947	11,908	11,484
Pennsylvania State U., University Park and Hershey Medical Center	9	25,057	17,706	14,090	17,140	16,418	13,702	12,668	15,402
Princeton U.	10	11,703	13,550	11,672	15,763	5,639	5,657	4,877	4,759
Brown U.	11	13,225	12,204	10,903	14,835	9,615	9,117	8,558	10,971
Carnegie Mellon U.	12	12,385	12,000	12,464	14,435	3,402	3,183	3,452	5,305
Virginia Polytechnic Institute and State U.	13	5,031	6,776	8,107	12,917	2,355	3,308	4,368	6,692
Michigan State U.	14	11,394	12,494	11,152	11,990	5,481	5,790	5,596	6,732
Rutgers, State U. New Jersey, New Brunswick	15	9,036	9,493	9,673	10,013	7,363	6,214	6,239	5,645
Massachusetts Institute of Technology	16	11,774	10,434	9,015	9,676	6,786	5,091	5,009	4,873
U. California, Los Angeles	17	13,118	13,161	12,110	9,537	10,515	10,440	9,562	7,496
U. California, Berkeley	18	8,177	8,263	8,067	9,474	5,689	6,251	6,122	6,868
Duke U.	19	10,319	9,842	8,922	9,125	7,549	6,554	6,364	6,171
Dartmouth C. and Dartmouth Hitchcock Medical Center	20	5,149	5,848	6,932	8,959	706	1,030	1,326	2,954
U. Pennsylvania	21	7,432	6,817	8,637	8,921	3,193	2,744	3,206	3,991
Georgia Institute of Technology	22	8,058	8,826	8,614	8,634	4,042	4,104	3,808	3,886
U. Minnesota, Twin Cities	23	9,822	8,994	8,555	7,615	6,349	5,141	5,674	5,060
U. California, Irvine	24	5,442	7,106	6,314	7,424	2,698	4,069	3,305	3,837
Florida State U.	25	6,202	7,128	6,567	7,277	1,515	2,096	1,894	2,385
U. Washington, Seattle	26	6,102	7,120	5,778	7,095	5,346	6,115	5,223	5,777
U. Wisconsin-Madison	27	6,405	6,675	6,394	7,005	3,592	4,286	4,406	4,515
Rice U.	28	9,477	9,363	7,349	6,937	4,099	3,742	3,934	4,359
Texas A&M U., College Station and Health Science Center	29	8,700	8,768	6,729	6,898	5,726	5,223	4,925	4,485
SUNY, Stony Brook U.	30	6,652	7,629	7,407	6,847	4,756	5,006	4,824	4,239
Louisiana State U., Baton Rouge	31	2,419	2,701	2,077	6,720	1,808	2,241	1,656	1,691
Stanford U.	32	4,836	7,036	6,070	6,408	4,200	6,338	5,209	5,353
U. California, San Diego	33	5,466	4,857	5,639	6,383	2,624	2,456	2,995	3,774
Tufts U.	34	1,811	3,409	7,181	6,353	1,253	2,852	6,640	6,031

TABLE 47

**Total and federally financed higher education R&D expenditures in mathematics and statistics, ranked by FY 2022 total: FYs 2019–22**

(Dollars in thousands)

Institution	Rank	Total				Federally financed			
		2019	2020	2021	2022	2019	2020	2021	2022
U. Utah	35	3,722	4,065	3,708	6,083	2,176	2,452	2,200	5,830
U. Houston	36	3,083	3,596	3,497	5,858	2,485	3,015	2,743	3,377
U. Georgia	37	7,666	6,690	5,845	5,701	2,301	1,545	1,096	837
U. Delaware	38	2,227	1,887	1,384	5,684	1,743	1,565	1,204	1,541
Ohio State U.	39	6,415	5,881	4,793	5,660	5,053	3,945	3,309	2,944
U. North Carolina, Chapel Hill	40	3,049	6,729	5,489	5,464	2,652	5,390	4,735	4,421
U. Nebraska, Lincoln	41	5,390	5,526	4,791	5,411	1,321	1,254	658	1,343
U. Chicago	42	6,987	4,726	4,653	5,395	5,781	4,078	3,972	4,573
U. Notre Dame	43	5,663	5,257	4,751	5,031	3,129	3,063	2,661	2,814
Boston U.	44	5,236	5,199	5,039	4,935	3,158	2,947	3,218	2,891
New Jersey Institute of Technology	45	4,400	5,591	4,949	4,727	1,808	1,726	1,549	1,368
U. Maryland <sup>b</sup>	46	4,685	5,356	3,760	4,538	3,868	3,660	3,035	3,340
Columbia U. in the City of New York	47	5,725	4,118	2,951	4,427	4,347	3,054	2,190	2,190
U. California, Davis	48	4,162	4,455	4,698	4,392	3,249	3,471	3,678	4,058
U. Illinois, Chicago	49	4,386	4,109	4,021	4,213	2,357	2,407	1,989	2,206
Oklahoma State U., Stillwater	50	4,585	4,213	4,276	4,176	675	569	472	512
U. Arizona	51	2,449	3,098	3,347	4,105	1,942	2,295	2,783	3,065
U. South Carolina, Columbia	52	2,100	2,113	1,558	4,101	1,217	1,185	1,267	1,430
U. Pittsburgh, Pittsburgh	53	4,442	4,169	2,891	4,042	2,775	2,777	1,861	2,971
San Diego State U.	54	4,061	3,899	3,883	3,896	1,274	907	1,157	1,612
Auburn U., Auburn	55	3,706	3,736	3,471	3,875	335	332	395	516
Texas Tech U.	56	3,590	3,402	3,678	3,793	324	239	210	506
U. Illinois, Urbana-Champaign	57	5,071	5,346	3,612	3,729	3,446	2,719	2,092	2,586
Rensselaer Polytechnic Institute	58	2,258	2,808	2,944	3,658	1,469	1,480	991	812
Yale U.	59	3,831	4,703	3,589	3,632	2,260	2,556	1,871	2,242
U. Colorado Boulder	60	2,711	2,659	2,857	3,616	2,626	2,555	2,601	3,145
U. Central Florida	61	3,144	3,197	3,269	3,609	518	780	603	673
George Mason U.	62	1,981	1,941	2,493	3,606	737	1,008	1,529	2,458
Arizona State U.	63	6,367	5,942	4,121	3,418	2,914	2,728	2,396	1,525
U. Massachusetts, Amherst	64	3,636	3,361	3,218	3,351	2,244	2,093	2,290	2,326
Cornell U.	65	3,341	3,323	2,467	3,287	2,268	2,519	2,047	2,663
SUNY, Binghamton U.	66	2,468	2,830	3,133	3,211	99	85	85	77
U. South Florida <sup>c</sup>	67	2,685	3,165	3,055	3,192	622	948	709	814
U. Vermont	68	612	2,154	3,153	3,132	395	247	322	473
Worcester Polytechnic Institute	69	1,253	1,404	1,880	3,090	946	799	1,375	1,987

TABLE 47

**Total and federally financed higher education R&D expenditures in mathematics and statistics, ranked by FY 2022 total: FYs 2019–22**

(Dollars in thousands)

Institution	Rank	Total				Federally financed			
		2019	2020	2021	2022	2019	2020	2021	2022
Temple U.	70	1,262	3,213	2,547	3,063	884	923	667	894
U. Tennessee, Knoxville <sup>d</sup>	71	3,390	3,181	2,938	3,044	974	642	599	856
Colorado State U., Fort Collins	72	4,392	4,190	2,980	3,006	4,041	3,768	2,573	2,505
Kansas State U.	73	3,416	3,246	2,708	2,956	386	230	158	241
U. Louisiana, Lafayette	74	3,226	2,117	3,119	2,939	48	91	235	158
Naval Postgraduate School	75	2,394	2,824	2,435	2,859	1,718	1,867	1,941	2,069
Montana State U., Bozeman	76	1,565	2,536	2,527	2,852	1,371	1,281	1,403	1,493
California Polytechnic State U., San Luis Obispo	77	1,711	2,841	2,668	2,826	1,387	2,430	2,147	2,275
U. Texas Rio Grande Valley	78	1,881	2,174	2,194	2,731	151	196	345	714
Purdue U., West Lafayette	79	3,185	2,671	2,742	2,727	2,081	1,609	1,513	1,407
U. Connecticut	80	2,362	2,344	2,119	2,616	1,370	1,361	1,268	1,710
U. Virginia, Charlottesville	81	1,698	1,593	1,710	2,552	1,138	1,125	1,320	1,871
U. Oklahoma, Norman and Health Science Center	82	477	2,018	2,274	2,495	390	361	402	429
Georgetown U.	83	24	1,765	2,606	2,463	24	0	180	0
U. Texas, Arlington	84	2,276	2,053	2,350	2,443	798	748	863	847
U. Texas, El Paso	85	1,466	2,927	2,412	2,413	1,104	1,270	827	943
U. Alabama, Tuscaloosa	86	179	262	1,174	2,367	154	226	243	402
Rochester Institute of Technology	87	1,750	2,040	2,178	2,356	1,257	1,503	1,605	1,886
Indiana U., Bloomington	88	1,773	1,780	1,678	2,329	987	1,299	1,260	1,761
U. Florida	89	2,346	1,726	1,757	2,303	1,497	985	1,013	1,435
Syracuse U.	90	3,001	2,528	2,572	2,279	542	300	457	208
SUNY, U. Albany	91	1,443	1,774	1,400	2,264	197	196	344	212
U. Nevada, Las Vegas	92	1,471	2,347	2,624	2,224	14	15	48	37
Northwestern U.	93	2,461	2,275	1,490	2,215	1,675	1,580	1,005	1,290
U. California, Riverside	94	2,251	1,682	1,994	2,207	1,588	1,120	1,520	1,727
Florida International U.	95	1,394	1,470	1,915	2,201	111	138	520	461
Brandeis U.	96	677	2,042	1,885	2,092	424	401	513	282
U. Texas, San Antonio	97	586	1,529	1,554	2,075	135	115	116	392
Georgia State U.	98	2,045	1,973	2,091	2,033	1,020	1,148	1,009	745
Southern Methodist U.	99	1,486	1,291	1,736	2,009	1,037	961	1,199	1,351
SUNY, U. Buffalo	100	1,083	1,067	1,730	1,926	583	597	653	780
Clemson U.	101	3,052	2,607	1,870	1,919	1,808	1,548	1,384	1,314
U. Maryland, Baltimore County	102	592	729	428	1,893	371	368	228	266
U. California, Merced	103	2,299	3,047	2,139	1,863	1,587	2,472	1,466	1,313
Kent State U.	104	1,637	1,309	1,385	1,824	268	300	212	215

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Institution	Rank	Total				Federally financed			
		2019	2020	2021	2022	2019	2020	2021	2022
Mississippi State U.	105	1,310	1,959	1,880	1,721	172	172	238	131
Michigan Technological U.	106	2,085	2,260	1,942	1,720	216	359	226	146
U. Missouri, Columbia	107	1,308	1,279	1,377	1,666	1,094	1,017	952	1,098
U. Wyoming	108	1,499	1,276	1,306	1,661	1,426	1,155	1,258	536
U. Nevada, Reno	109	2,609	2,341	1,777	1,640	894	805	468	264
California State U., Fresno	110	214	412	490	1,626	182	287	444	1,158
American U.	111	1,319	1,559	1,538	1,615	340	370	563	663
Oregon State U.	112	2,074	1,595	1,247	1,601	1,515	1,108	712	1,015
Washington U., Saint Louis	113	639	959	840	1,584	613	902	821	1,484
U. Kentucky	114	1,685	1,336	1,512	1,582	1,430	1,088	1,180	1,139
Boise State U.	115	582	1,137	1,475	1,550	393	904	1,203	1,271
U. Cincinnati	116	1,949	1,422	1,320	1,549	1,060	665	620	623
U. San Diego	117	274	225	643	1,524	241	141	481	1,294
U. New Hampshire	118	291	404	1,239	1,481	251	339	352	423
California State U., Bakersfield	119	2,952	3,173	2,321	1,457	2,190	2,451	1,827	1,140
Baylor U.	120	1,104	933	877	1,451	253	284	408	622
U. Texas, Dallas	121	1,063	1,155	1,363	1,429	683	668	930	819
Vanderbilt U. and Vanderbilt U. Medical Center	122	1,211	1,689	1,317	1,421	685	902	621	793
U. Massachusetts, Dartmouth	123	1,026	717	1,497	1,417	831	239	380	480
Rockefeller U.	124	1,602	1,612	1,433	1,405	331	306	111	159
Florida Atlantic U.	125	883	1,268	1,026	1,403	363	519	643	704
U. Southern California	126	1,500	1,617	1,472	1,392	1,077	1,264	1,227	1,208
Montclair State U.	127	952	726	785	1,388	425	327	317	330
Emory U.	128	2,715	2,357	1,693	1,385	1,975	1,926	1,540	1,237
North Dakota State U.	129	714	1,120	1,501	1,357	0	150	84	3
Georgia Southern U.	130	57	67	1,405	1,344	11	30	67	48
Texas State U.	131	908	1,038	1,057	1,343	680	799	875	1,148
U. California, Santa Barbara	132	1,711	1,416	1,416	1,335	1,035	944	852	1,140
San Francisco State U.	133	1,023	1,227	1,326	1,288	309	253	256	205
U. Miami	134	581	1,420	843	1,257	239	301	356	463
U. Oregon	135	908	906	694	1,249	792	853	641	1,185
Middle Tennessee State U.	136	169	39	1,187	1,243	0	0	316	357
California State U., Fullerton	137	29	11	212	1,234	0	0	127	775
U.S. Naval Academy	138	936	1,013	993	1,216	636	799	847	1,115
Portland State U.	139	933	1,115	947	1,192	745	794	942	1,191

TABLE 47

**Total and federally financed higher education R&D expenditures in mathematics and statistics, ranked by FY 2022 total: FYs 2019–22**

(Dollars in thousands)

Institution	Rank	Total				Federally financed			
		2019	2020	2021	2022	2019	2020	2021	2022
San Jose State U.	140	0	0	751	1,157	0	0	276	313
U. Memphis	141	892	1,241	1,250	1,138	298	493	240	243
Kennesaw State U.	142	1,523	107	287	1,114	5	4	57	624
Northeastern U.	143	780	878	1,210	1,107	649	685	721	587
Tulane U.	144	814	581	518	1,083	374	441	381	522
U.S. Military Academy	145	116	0	1,259	1,074	116	0	456	1,016
California Institute of Technology	146	1,534	1,387	1,039	1,063	816	755	605	683
Yeshiva U.	147	0	0	0	1,016	0	0	0	0
Colorado School of Mines	148	404	583	682	1,012	397	571	645	905
U. Colorado Denver <sup>e</sup>	149	na	na	1,122	989	na	na	1,119	988
U. Montana, Missoula	150	1,256	1,187	878	983	704	734	405	524
Boston C.	151	1,015	1,289	1,079	951	960	1,064	908	911
Utah State U.	152	736	846	720	943	301	268	174	232
Virginia Commonwealth U.	153	890	793	698	931	625	609	529	717
Louisiana Tech U.	154	726	771	999	914	168	238	314	326
Marquette U.	155	1,863	1,734	1,110	892	1,300	1,217	684	421
Tuskegee U.	156	1,216	1,240	1,146	888	1,216	1,240	1,146	888
North Carolina A&T State U.	157	872	818	797	863	800	748	763	836
Old Dominion U.	158	7,507	1,239	1,097	857	4,318	952	865	643
U. North Carolina, Charlotte	159	902	1,029	782	803	568	820	673	676
U. New Mexico	160	1,638	1,422	1,229	801	1,542	1,337	1,197	759
Clarkson U.	161	1,046	780	868	784	724	571	524	230
George Washington U.	162	1,709	926	725	781	1,129	631	555	499
Brigham Young U., Provo	163	614	348	483	769	562	331	466	654
U. Massachusetts, Lowell	164	636	663	754	767	0	0	60	78
Drexel U.	165	497	546	620	729	429	452	550	630
U. Iowa	166	710	624	406	690	398	340	273	483
U. Kansas	167	999	672	543	682	924	649	508	621
U. of the Virgin Islands	168	740	694	439	679	740	694	439	679
Spelman C.	169	202	48	96	668	202	48	96	668
U. Louisville	170	67	494	697	661	51	84	311	268
U. Maine	171	1,115	845	657	660	59	65	18	26
South Dakota State U.	172	488	401	433	657	259	262	302	593
U. Alabama, Huntsville	173	627	726	709	655	44	2	15	28
Delaware State U.	174	834	3	3	652	455	3	3	241

TABLE 47

**Total and federally financed higher education R&D expenditures in mathematics and statistics, ranked by FY 2022 total: FYs 2019–22**

(Dollars in thousands)

Institution	Rank	Total				Federally financed			
		2019	2020	2021	2022	2019	2020	2021	2022
U. North Carolina, Greensboro	175	210	215	308	609	170	167	213	392
U. New Orleans	176	204	389	482	603	18	0	131	195
California State U., Channel Islands	177	341	181	348	568	283	171	268	460
Bryn Mawr C.	178	460	561	599	545	73	114	121	53
U. Massachusetts, Boston	179	298	449	486	541	40	14	70	40
CUNY, Baruch C.	180	175	325	211	533	155	321	203	486
Cleveland State U.	181	823	784	642	521	283	232	183	48
Case Western Reserve U.	182	558	355	697	520	485	325	458	505
Sonoma State U.	183	ne	141	235	511	ne	91	226	506
Washington State U.	184	475	447	535	509	249	289	356	328
Wesleyan U.	185	553	533	402	506	472	390	327	281
U. of the District of Columbia	186	629	277	447	502	629	277	447	502
U. Mississippi	187	1,236	216	358	500	71	47	201	268
U. Nebraska, Omaha	188	333	200	468	459	219	162	366	375
U.S. Air Force Academy	189	0	0	0	451	0	0	0	451
East Carolina U.	190	11	75	7	439	0	0	0	426
California State U., Northridge	191	786	980	685	435	777	901	628	320
West Virginia U.	192	625	482	579	432	493	369	374	227
Illinois Institute of Technology	193	211	405	381	429	210	389	312	379
Amherst C.	194	267	340	316	422	163	225	187	305
Long Island U.	195	0	457	372	414	0	0	0	0
Sam Houston State U.	196	368	338	444	413	345	319	417	356
U. Hawaii, Manoa	197	466	515	439	409	399	457	410	366
Rowan U.	198	37	0	225	397	37	0	202	286
William & Mary	199	601	438	371	395	510	242	329	302
Wake Forest U.	200	408	529	161	381	158	134	70	85
Harvey Mudd C.	201	219	174	111	378	151	113	33	168
California State U., East Bay	202	ne	896	364	377	ne	0	58	10
Tarleton State U.	203	192	450	342	376	26	2	0	0
Carleton C.	204	216	196	173	372	0	41	17	54
California State U., Long Beach	205	621	691	446	369	601	673	446	349
U. Tennessee, Chattanooga	206	335	189	206	365	49	81	147	295
Stevens Institute of Technology	207	237	37	56	355	0	0	42	333
Murray State U.	208	62	198	309	354	61	198	306	351
Bowling Green State U.	209	341	532	160	348	123	140	82	52

TABLE 47

**Total and federally financed higher education R&D expenditures in mathematics and statistics, ranked by FY 2022 total: FYs 2019–22**

(Dollars in thousands)

Institution	Rank	Total				Federally financed			
		2019	2020	2021	2022	2019	2020	2021	2022
U. California, Santa Cruz	209	303	236	156	348	267	161	139	294
U. North Dakota	209	383	434	372	348	0	0	0	0
Miami U.	212	376	310	427	346	192	139	269	186
James Madison U.	213	312	159	345	335	154	104	15	71
Western Washington U.	214	499	347	375	332	222	217	227	217
Clark Atlanta U.	215	128	194	286	323	128	157	265	321
California State U., San Bernardino	216	681	633	466	311	666	427	184	283
Pomona C.	217	270	129	162	301	202	82	135	287
Creighton U.	218	237 i	204 i	239 i	298 i	118 i	108 i	129 i	181 i
Florida Institute of Technology	218	345	188	286	298	92	71	132	208
Smith C.	220	296	182	120	296	211	121	111	244
Lehigh U.	221	187	228	140	289	143	194	127	247
Hofstra U.	222	12	4	85	286	0	0	0	188
CUNY, Queens C.	223	302	228	251	278	255	160	221	172
Towson U.	224	84	179	191	269	0	50	94	84
U. South Alabama	225	31	80	163	267	17	79	162	231
U. Alabama, Birmingham	226	876	916	383	263	844	875	362	257
U. Denver	227	123	120	80	243	92	68	37	139
Manhattan C.	228	0	147	239	242	0	147	217	242
Stephen F. Austin State U.	229	642	129	109	241	640	128	93	208
CUNY, New York City C. of Technology	230	694	409	50	239	138	0	0	183
U. Puerto Rico, Rio Piedras	231	172	145	178	234	166	102	120	124
Purdue U., Fort Wayne	232	50	69	8	229	22	19	5	0
Christopher Newport U.	233	0	7	180	225	0	0	172	222
Mercer U.	234	194	224	219	221	0	0	0	0
Missouri U. of Science and Technology	234	440	222	252	221	373	218	250	173
CUNY, City C.	236	579	389	158	220	509	313	125	115
California State U., Stanislaus	237	160	194	253	218	160	194	253	218
Howard U.	238	222	230	198	215	0	0	0	0
CUNY, Lehman C.	239	26	271	343	214	0	259	328	213
Fordham U.	240	242	173	140	212	58	66	70	34
St. Edward's U.	241	470	645	645	209	450	600	600	159
Wayne State U.	242	1,393	1,716	1,093	208	1,269	1,184	499	208
Virginia State U.	243	1,333	645	217	206	1,010	645	217	206
CUNY, Hunter C.	244	95	174	217	200	43	114	183	166

TABLE 47

**Total and federally financed higher education R&D expenditures in mathematics and statistics, ranked by FY 2022 total: FYs 2019–22**

(Dollars in thousands)

Institution	Rank	Total				Federally financed			
		2019	2020	2021	2022	2019	2020	2021	2022
Illinois State U.	245	296	229	215	198	185	119	119	145
Central Washington U.	246	154	104	169	196	112	52	149	157
Morgan State U.	247	328	134	146	192	284	105	129	185
Saint Louis U.	247	56	280	190	192	38	266	170	165
U. Akron	249	178	82	161	191	119	60	117	91
Texas Christian U.	250	169	2	0	189	52	2	0	0
East Tennessee State U.	251	19	149	50	185	16	123	37	125
New Mexico Highlands U.	252	ne	0	0	184	ne	0	0	184
U. Minnesota, Duluth	252	236	152	274	184	142	108	210	104
U. Alaska, Fairbanks	254	507	346	191	181	507	321	165	168
Wellesley C.	255	109	255	263	179	0	240	262	169
Indiana U.-Purdue U., Indianapolis	256	610	601	404	177	519	460	365	142
California State U., Monterey Bay	257	0	234	12	175	0	148	12	154
U. Rochester	257	213	201	214	175	194	185	210	174
Swarthmore C.	259	171	103	136	174	109	63	79	132
U. Missouri, Saint Louis	259	211	265	407	174	135	235	371	161
CUNY, C. Staten Island	261	470	691	391	173	222	513	308	157
Bucknell U.	262	418	113	110	169	222	106	104	148
Fisk U.	263	0	12	415	167	0	12	407	158
Air Force Institute of Technology	264	1,313	658	828	164	691	497	197	149
New Mexico State U.	264	41	188	116	164	8	151	77	138
Claremont McKenna C.	266	74	85	103	163	64	78	103	79
Hampton U.	266	217	226	344	163	217	226	344	163
U. Michigan, Dearborn	266	228	155	190	163	139	110	149	130
Mount Holyoke C.	269	370	147	62	159	347	147	57	146
DePaul U.	270	0	0	2	154	0	0	0	92
Colgate U.	271	50	84	153	153	0	56	65	113
Seattle U.	271	206	184	93	153	177	159	90	97
SUNY, Buffalo State	273	0	91	112	139	0	91	112	139
U. Washington, Tacoma	274	0	47	25	137	0	47	25	137
Reed C.	275	370	223	229	136	121	151	160	83
Elon U.	276	161	0	87	135	78	0	11	84
California State U., Sacramento	277	41	94	116	131	5	0	34	43
U. Idaho	278	213	205	194	128	108	120	142	65
Wichita State U.	279	105	105	419	127	95	72	139	87



TABLE 47

## Total and federally financed higher education R&amp;D expenditures in mathematics and statistics, ranked by FY 2022 total: FYs 2019–22

(Dollars in thousands)

Institution	Rank	Total				Federally financed			
		2019	2020	2021	2022	2019	2020	2021	2022
Texas Woman's U.	280	68	23	1	125	0	0	0	0
Macalester C.	281	23	138	100	123	15	96	100	94
Salisbury U.	281	0	113	123	123	0	0	0	0
Central Michigan U.	283	183	120	141	122	125	52	1	0
Ithaca C.	283	ne	64	74	122	ne	64	74	122
Kentucky State U.	285	3	125	193	119	3	125	193	119
U. Southern Mississippi	285	96	195	0	119	96	195	0	119
Villanova U.	285	186	60	116	119	144	2	28	64
U. South Dakota	288	181	160	189	117	0	0	0	0
Embry-Riddle Aeronautical U.	289	33	84	110	111	0	23	62	106
Augusta U.	290	23	13	44	110	23	13	44	81
CUNY, York C.	291	17	0	12	109	0	0	0	103
Drake U.	291	44	ne	28	109	37	ne	27	108
Occidental C.	293	38	58	97	108	38	58	97	108
CUNY, Brooklyn C.	294	212	i	221	68	107	211	i	220
Southern Connecticut State U.	294	142	35	187	107	0	0	0	0
CUNY, John Jay C. of Criminal Justice	296	5	5	12	106	0	5	12	98
U. Central Oklahoma	296	126	126	i	132	i	106	i	94
Florida Gulf Coast U.	298	17	232	0	105	0	149	0	47
Williams C.	298	419	401	i	411	i	105	i	236
Texas A&M International U.	300	8	1	91	101	0	0	64	74
Oregon Institute of Technology	301	85	i	77	i	84	i	100	i
Texas Southern U.	302	144	187	167	96	144	187	167	94
Vassar C.	303	428	357	307	95	424	350	301	80
C. Wooster	304	63	104	70	i	93	62	55	47
Wright State U.	305	153	145	90	92	116	72	67	61
Tougaloo C.	306	0	0	0	i	91	i	0	0
Hobart and William Smith Colleges	307	80	83	6	90	78	83	5	85
Loyola U., Chicago	307	405	188	81	90	345	164	67	34
CUNY, Graduate Center	309	34	23	332	88	34	23	332	88
Southern U. and A&M C., Baton Rouge	310	39	5	68	87	9	0	50	87
Davidson C.	311	74	142	79	86	12	61	6	0
Grinnell C.	311	798	407	108	86	89	72	63	21
Ball State U.	313	140	51	27	83	38	35	16	27
U. Northern Colorado	313	672	181	135	83	570	117	91	31

TABLE 47

**Total and federally financed higher education R&D expenditures in mathematics and statistics, ranked by FY 2022 total: FYs 2019–22**

(Dollars in thousands)

Institution	Rank	Total				Federally financed			
		2019	2020	2021	2022	2019	2020	2021	2022
Utah Valley U.	315	ne	ne	ne	82	ne	ne	ne	82
West Chester U. Pennsylvania	315	340	196	103	82	80	60	0	0
Winston-Salem State U.	315	45	5	0	82	45	0	0	51
California State Polytechnic U., Pomona	318	42	138	20	80	33	102	20	80
Kean U.	318	ne	0	0	80	ne	0	0	0
Oakland U.	318	73	34	55	80	28	34	55	77
Alabama A&M U.	321	123 i	83 i	70 i	78 i	84 i	56 i	61 i	76 i
New Mexico Institute of Mining and Technology	322	155	53	3	77	155	50	0	54
Western Kentucky U.	323	55	27	9	75	48	11	4	57
Western Michigan U. and Homer Stryker M.D. School of Medicine	323	73	40	21	75	1	9	9	9
Claremont Graduate U.	325	3	70	111	74	0	70	111	74
U. Puerto Rico, Mayaguez	325	176	45	87	74	137	25	87	5
U. Texas, Tyler	325	95	22	9	74	76	20	2	74
Youngstown State U.	325	12	6	3	74	0	1	0	66
Northern Kentucky U.	329	0	81	65	73	0	71	59	72
California State U., Dominguez Hills	330	76	116	125	72	21	53	61	39
U. West Florida	331	45	313	81	71	0	0	0	0
Southern Illinois U., Edwardsville	332	263	817	185	70	199	212	33	26
Union C., Schenectady	333	18	33	6	64	0	13	0	36
U. Guam	334	28	0	87	63	28	0	81	57
William Paterson U.	334	257	185	68	63	0	0	0	0
Northern Illinois U.	336	129	76	40	62	52	24	31	31
Albion C.	337	16	31	30 i	59 i	0	0	0 i	46 i
U. Arkansas, Fayetteville	337	286	97	60	59	148	71	34	29
U. Wisconsin-La Crosse	337	107	112	84	59	87	77	70	43
Calvin U.	340	32	49 i	53 i	57 i	32	40 i	40 i	40
Duquesne U.	340	255	233	71	57	131	120	49	36
Babson C.	342	0 i	0 i	0 i	56 i	0	0	0	0
Eastern Michigan U.	343	143	216	174	55	105	37	78	33
Bentley U.	344	ne	ne	ne	51	ne	ne	ne	51
Haverford C.	344	63 i	127 i	28 i	51 i	29	65	12	30
U. North Carolina, Wilmington	344	83	105	51	51	80	48	20	51
Trinity U.	347	53	84	41	50	39	68	37	38
Western New England U.	347	ne	ne	ne	50	ne	ne	ne	50
Morehouse C.	349	256	166	949	47	256	166	949	47

TABLE 47

**Total and federally financed higher education R&D expenditures in mathematics and statistics, ranked by FY 2022 total: FYs 2019–22**

(Dollars in thousands)

Institution	Rank	Total				Federally financed			
		2019	2020	2021	2022	2019	2020	2021	2022
Kenyon C.	350	31	16	ne	45	0	0	ne	18
Colorado C.	351	38	23	18	44	15	0	0	44
Northland C.	351	ne	ne	40 i	44 i	ne	ne	35 i	38 i
Northeastern Illinois U.	353	60	53	71	43	60	53	71	43
California State U., Chico	354	61	57	41	42	61	10	0	15
Central State U.	354	44	37	69	42	44	37	69	42
Lafayette C.	356	119	69	24	41	102	56	13	36
Pennsylvania State U., Behrend	356	94	21	174	41	18	15	166	2
Santa Clara U.	356	6	22	39	41	0	20	15	37
Bowdoin C.	359	71	29	10	40	58	24	5	29
Sul Ross State U.	359	0	0	1 i	40 i	0	0	0 i	20 i
Framingham State U.	361	ne	0	0 i	39 i	ne	0	0 i	9 i
Virginia Military Institute	361	ne	ne	ne	39	ne	ne	ne	0
Grand Valley State U.	363	299	166	53	38	234	94	23	1
Ohio U.	363	101	90	53	38	67	76	25	26
U. Toledo	363	49	49	3	38	29	36	0	29
Colby C.	366	32	30	3	36	0	10	0	28
U. Richmond	366	90	106	114	36	43	21	0	0
Norfolk State U.	368	58	48	29	35	58	48	29	35
U. Hartford	369	183	131	100	34	183	131	100	30
Hope C.	370	10	68	30	33	2	58	23	17
U. Hawaii, Hilo	370	944	1,126	998	33	759	863	753	25
U. Washington, Bothell	370	20	31	0	33	20	31	0	22
C. Charleston	373	146	81	61	31	36	0	0	0
Trinity C., Hartford	373	28	68	64	31	0	52	54	18
Azusa Pacific U.	375	42	64	125	30	18	0	0	0
Franklin and Marshall C.	375	255	52	50	30	126	22	47	19
Chapman U.	377	0	1	16	29	0	0	0	0
Pepperdine U.	377	22	32	26	29	0	0	0	0
Citadel Military C. South Carolina	379	ne	3	8	28	ne	0	0	15
U. North Florida	379	43	70	19	28	0	0	0	0
Jackson State U.	381	68	97	44	26	47	84	39	21
Skidmore C.	381	20	12	0	26	7	0	0	14
U. Wisconsin-Milwaukee	383	1,794	4,792	707	25	1,500	3,820	0	0
Central Connecticut State U.	384	24	17	25	24	0	0	0	0

TABLE 47

## Total and federally financed higher education R&amp;D expenditures in mathematics and statistics, ranked by FY 2022 total: FYs 2019–22

(Dollars in thousands)

Institution	Rank	Total				Federally financed			
		2019	2020	2021	2022	2019	2020	2021	2022
Furman U.	384	0	0	0	24	0	0	0	0
Indiana State U.	384	27	23	37	24	27	23	37	24
Northwestern State U. Louisiana	387	19	19	12	23	0	0	0	0
U. Wisconsin-Platteville	387	20 i	21 i	19 i	23 i	8 i	8 i	9 i	11 i
Appalachian State U.	389	41	90	29	22	0	5	0	6
C. New Jersey	389	ne	6	10	22	ne	4	10	21
Pacific U.	389	57	42	46	22	0	9	3	0
U. North Carolina, Asheville	389	6	0	0	22	0	0	0	0
Dillard U.	393	0	0	0	21	0	0	0	19
Lawrence Technological U.	393	53	0	9	21	53	0	9	21
U. Colorado Colorado Springs	393	67	11	0	21	66	11	0	0
U. Wisconsin-Green Bay	393	18 i	18 i	15 i	21 i	8 i	9 i	7 i	8 i
New School	397	0	0	56	20	0	0	0	0
Nova Southeastern U.	397	0	0	0	20	0	0	0	0
Willamette U.	397	11	10	10	20	0	0	0	0
Texas A&M U.-Corpus Christi	400	47	21	6	19	0	0	0	0
U. of St. Thomas (MN)	400	37	43	28	19	17	40	28	19
Idaho State U.	402	0	0	2	18	0	0	0	5
U. Dayton	402	0	4	3	18	0	0	0	0
Indiana U. Pennsylvania	404	20	26	4	17	0	0	0	0
U. New Haven	404	0	4	0	17	0	0	0	0
C. of Saint Benedict	406	18 i	17 i	14 i	16 i	0 i	0 i	2 i	2 i
South Dakota School of Mines and Technology	406	141	339	216	16	126	339	216	16
SUNY, Geneseo	406	106	41	3	16	60	35	0	0
Florida A&M U.	409	0	0	4	15	0	0	0	0
Saint John's U.	409	17 i	16 i	13 i	15 i	0 i	0 i	0 i	0 i
Saint Joseph's U.	409	17	6	8	15	0	0	0	0
Loyola Marymount U.	412	124	187	134	14	74	117	70	4
U. San Francisco	413	14	25	16	13	1	16	15	12
U. Southern Maine	413	0	0	11	13	0	0	11	13
U. South Carolina, Aiken	415	0	0	3	12	0	0	0	0
Robert Morris U.	416	ne	ne	ne	11 i	ne	ne	ne	8 i
U. Wisconsin-Eau Claire	416	105	82	102	11	41	35	49	11
U. Central Arkansas	418	45	24	35	10	10	15	16	1
California State U., San Marcos	419	711	82	0	9	711	82	0	9

TABLE 47

**Total and federally financed higher education R&D expenditures in mathematics and statistics, ranked by FY 2022 total: FYs 2019–22**

(Dollars in thousands)

Institution	Rank	Total				Federally financed			
		2019	2020	2021	2022	2019	2020	2021	2022
Florida Polytechnic U.	419	8	0	0	9	0	0	0	0
Southern Illinois U., Carbondale	419	31	278	14	9	14	0	5	4
Texas A&M U.-Commerce	419	13	26	34	9	0	0	0	0
East Stroudsburg U. Pennsylvania	423	ne	ne	ne	8	ne	ne	ne	0
Winthrop U.	423	1	0	6	8	0	0	0	0
Pennsylvania State U., Harrisburg	425	32	0	4	7	2	0	2	7
West Texas A&M U.	425	52	1	1	7	50	0	0	0
U. Northern Iowa	427	4	1	1	6	0	0	0	0
U. Tulsa	427	36	4	3	6	0	0	0	0
Northern Arizona U.	429	0	0	0	5	0	0	0	0
Prairie View A&M U.	429	7	145	81	5	0	0	81	0
Hamilton C.	431	12	18	10	4	0	0	0	0
Troy U.	431	ne	6	0	4	ne	4	0	0
U. Puget Sound	431	ne	4	ne	4	ne	0	ne	0
Kettering U.	434	7	2	2	3	0	0	0	0
Alfred U.	435	0	0	0	2	0	0	0	0
Eastern Washington U.	435	2	15	1	2	2	15	0	0
Gallaudet U.	435	3	3	1	2	0	0	1	0
Johnson C. Smith U.	435	0	0	2 <sup>i</sup>	2	0	0	2 <sup>i</sup>	2
Langston U.	435	2	2	0	2	2	2	0	0
Roger Williams U.	435	13	30	0	2	10	13	0	0
U. Houston-Downtown	435	75	10	19	2	72	9	17	0
Bates C.	442	30	16	2	1	11	8	0	0
California State Polytechnic U., Humboldt	442	0	10	8	1	0	0	0	0
SUNY, C. Brockport	442	7	5	1	1	0	0	0	0
U. Arkansas, Little Rock	442	7	0	0	1	0	0	0	1
U. Texas of the Permian Basin	442	ne	0	0	1	ne	0	0	0
All other surveyed institutions	-	4,753	4,925	2,025	0	2,838	2,755	1,477	0

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

<sup>a</sup> Johns Hopkins University includes the Applied Physics Laboratory (APL), with \$137,994 thousand imputed for total and \$134,341 thousand reported for federally financed R&D expenditures in mathematics and statistics in FY 2022. Total expenditures by field for Johns Hopkins University are flagged as imputed because APL was unable to distribute a portion of institutionally funded R&D by field.

<sup>b</sup> The University of Maryland includes expenditures from the University of Maryland, Baltimore and University of Maryland, College Park campuses. In FY 2019, the two campuses began reporting as one research unit to reflect their new strategic partnership. This relationship was codified through the University of Maryland Strategic Partnership Act passed by the Maryland General Assembly in 2016. Prior to FY 2019, both campuses reported to the survey as separate institutions.

<sup>c</sup> The University of South Florida includes expenditures from the University of South Florida, Tampa; University of South Florida, Saint Petersburg; and University of South Florida, Sarasota-Manatee campuses. Due to the consolidation of

the three campuses that occurred on 1 July 2020, University of South Florida, Saint Petersburg and University of South Florida, Sarasota-Manatee began reporting with the University of South Florida, Tampa as the University of South Florida. Prior to FY 2021, all three campuses reported to the survey as separate institutions.

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

<sup>e</sup> The University of Colorado Denver and University of Colorado Anschutz Medical Center report to the survey separately. Prior to FY 2021, expenditures were reported together under University of Colorado Denver and Anschutz Medical Campus.

**Note(s):**

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

**Source(s):**

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