

TABLE 46

Total and federally financed higher education R&D expenditures in mathematics and statistics, ranked by FY 2020 total: FYs 2017–20

(Dollars in thousands)

Institution	Rank	Total				Federally financed			
		2017	2018	2019	2020	2017	2018	2019	2020
All institutions	-	700,275	750,374	769,993	798,975	437,059	456,806	467,039	486,259
Johns Hopkins U. ^a	1	59,511	78,432	85,874	105,774	57,633	73,899	83,057	102,890
U. Texas M. D. Anderson Cancer Center	2	23,331	22,075	20,358	21,622	7,405	6,720	7,403	8,853
U. Texas, Austin	3	11,704	14,581	17,222	20,290	4,402	6,550	7,122	8,882
North Carolina State U.	4	21,909	21,722	20,296	20,164	12,110	13,083	12,331	11,947
Harvard U.	5	20,679	22,908	22,127	20,038	17,272	19,223	18,465	17,747
U. Michigan, Ann Arbor	6	20,517	18,306	18,478	18,648	7,262	5,839	5,874	5,771
Pennsylvania State U., University Park and Hershey Medical Center	7	16,451	19,251	25,057	17,706	12,108	15,494	16,418	13,702
Iowa State U.	8	16,481	17,694	16,551	17,062	8,461	9,141	7,940	10,785
Princeton U.	9	9,915	11,313	11,703	13,550	5,032	4,687	5,639	5,657
New York U.	10	9,950	10,475	12,002	13,465	6,833	6,697	7,105	8,861
U. California, Los Angeles	11	10,573	13,200	13,118	13,161	9,283	10,906	10,515	10,440
Michigan State U.	12	10,342	12,008	11,394	12,494	5,083	5,577	5,481	5,790
Brown U.	13	14,427	12,107	13,225	12,204	11,580	9,140	9,615	9,117
Carnegie Mellon U.	14	11,321	9,308	12,385	12,000	5,466	3,523	3,402	3,183
Massachusetts Institute of Technology	15	7,671	9,888	11,774	10,434	5,309	5,840	6,786	5,091
Duke U.	16	9,306	9,766	10,319	9,842	7,491	7,684	7,549	6,554
Rutgers, State U. New Jersey, New Brunswick	17	14,386	14,362	9,036	9,493	11,017	10,979	7,363	6,214
Rice U.	18	8,903	9,435	9,477	9,363	4,113	4,338	4,099	3,742
U. Minnesota, Twin Cities	19	7,464	7,847	9,822	8,994	5,412	5,659	6,349	5,141
Georgia Institute of Technology	20	7,108	7,543	8,058	8,826	3,167	3,375	4,042	4,104
Texas A&M U., College Station and Health Science Center	21	8,882	9,201	8,700	8,768	5,827	5,839	5,726	5,223
U. California, Berkeley	22	6,402	8,376	8,177	8,263	4,826	5,815	5,689	6,251
SUNY, Stony Brook U.	23	7,463	7,467	6,652	7,629	4,547	4,957	4,756	5,006
Florida State U.	24	4,685	5,542	6,202	7,128	1,883	1,920	1,515	2,096
U. Washington, Seattle	25	6,415	5,678	6,102	7,120	6,007	5,102	5,346	6,115
U. California, Irvine	26	4,273	5,289	5,442	7,106	2,885	3,138	2,698	4,069
Stanford U.	27	6,109	5,505	4,836	7,036	5,212	4,555	4,200	6,338
U. Pennsylvania	28	7,373	5,975	7,432	6,817	2,772	2,308	3,193	2,744
Virginia Polytechnic Institute and State U.	29	10,281	5,765	5,031	6,776	5,232	2,380	2,355	3,308
U. North Carolina, Chapel Hill	30	4,369	3,186	3,049	6,729	3,414	2,836	2,652	5,390
U. Georgia	31	8,027	6,745	7,666	6,690	3,207	1,817	2,301	1,545
U. Wisconsin-Madison	32	5,983	5,825	6,405	6,675	4,086	3,249	3,592	4,286
Arizona State U.	33	5,915	6,571	6,367	5,942	3,797	3,611	2,914	2,728
Ohio State U.	34	6,583	7,130	6,415	5,881	5,470	5,601	5,053	3,945
Dartmouth C. and Dartmouth Hitchcock Medical Center	35	5,839	5,892	5,149	5,848	1,446	501	706	1,030
U. Nebraska, Lincoln	36	5,770	5,536	5,390	5,526	1,943	1,693	1,321	1,254
U. Maryland ^b	37	na	na	4,685	5,356	na	na	3,868	3,660
U. Illinois, Urbana-Champaign	38	5,388	5,669	5,071	5,346	3,777	3,699	3,446	2,719
U. Notre Dame	39	4,343	4,930	5,663	5,257	2,418	2,980	3,129	3,063
Boston U.	40	3,709	4,842	5,236	5,199	2,601	3,113	3,158	2,947
U. California, San Diego	41	5,328	4,478	5,466	4,857	3,662	2,585	2,624	2,456

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Institution	Rank	Total				Federally financed			
		2017	2018	2019	2020	2017	2018	2019	2020
U. Wisconsin-Milwaukee	42	1,442	1,303	1,794	4,792	1,054	947	1,500	3,820
New Jersey Institute of Technology	43	3,771	4,200	4,400	4,756	1,523	1,615	1,808	1,726
U. Chicago	44	7,564	7,414	6,987	4,726	6,326	6,083	5,781	4,078
Yale U.	45	2,384	2,528	3,831	4,703	1,509	1,774	2,260	2,556
U. California, Davis	46	3,901	4,436	4,162	4,455	3,254	3,269	3,249	3,471
Oklahoma State U., Stillwater	47	3,496	4,886	4,585	4,213	443	1,483	675	569
Colorado State U., Fort Collins	48	3,195	4,240	4,392	4,190	3,067	3,838	4,041	3,768
U. Pittsburgh, Pittsburgh	49	3,320	3,821	4,442	4,169	2,033	2,507	2,775	2,777
Columbia U. in the City of New York	50	4,600	5,841	5,725	4,118	3,543	3,903	4,347	3,054
U. Illinois, Chicago	51	4,526	4,197	4,386	4,109	2,241	2,171	2,357	2,407
U. Utah	52	3,176	4,496	3,722	4,065	2,894	2,893	2,176	2,452
San Diego State U.	53	3,450	3,790	4,061	3,899	1,081	1,482	1,274	907
Auburn U., Auburn	54	3,094	662	3,706	3,736	337	413	335	332
U. Houston	55	2,316	3,387	3,083	3,596	1,720	1,877	2,485	3,015
Tufts U.	56	1,489	1,839	1,811	3,409	1,317	1,483	1,253	2,852
Texas Tech U.	57	4,176	4,332	3,590	3,402	906	760	324	239
U. Massachusetts, Amherst	58	2,392	2,429	3,636	3,361	1,599	1,548	2,244	2,093
Cornell U.	59	2,797	3,494	3,341	3,323	2,135	2,552	2,268	2,519
Kansas State U.	60	1,143	3,020	3,416	3,246	503	368	386	230
Temple U.	61	1,466	1,760	1,262	3,213	807	915	884	923
U. Central Florida	62	2,678	3,075	3,144	3,197	548	423	518	780
U. Tennessee, Knoxville ^c	63	1,369	3,372	3,390	3,181	1,074	1,044	974	642
California State U., Bakersfield	64	1,482	1,691	2,952	3,173	1,297	1,327	2,190	2,451
U. South Florida, Tampa	65	2,488	2,463	2,685	3,165	848	638	622	948
U. Arizona	66	2,749	2,233	2,449	3,098	1,702	1,647	1,942	2,295
U. California, Merced	67	1,021	1,323	2,299	3,047	629	923	1,587	2,472
U. Texas, El Paso	68	727	668	1,466	2,927	215	196	1,104	1,270
California Polytechnic State U., San Luis Obispo	69	1,353	1,361	1,711	2,841	872	1,188	1,387	2,430
SUNY, Binghamton U.	70	2,623	2,328	2,468	2,830	165	109	99	85
Naval Postgraduate School	71	3,181	2,735	2,394	2,824	2,457	2,344	1,718	1,867
Rensselaer Polytechnic Institute	72	1,878	1,641	2,258	2,808	1,281	1,114	1,469	1,480
Louisiana State U., Baton Rouge	73	2,084	2,146	2,419	2,701	1,639	1,714	1,808	2,241
Purdue U., West Lafayette	74	5,922	6,314	3,185	2,671	4,062	4,439	2,081	1,609
U. Colorado Boulder	75	2,434	2,409	2,711	2,659	2,338	2,271	2,626	2,555
Clemson U.	76	3,174	4,655	3,052	2,607	1,344	1,738	1,808	1,548
Montana State U., Bozeman	77	562	758	1,565	2,536	559	750	1,371	1,281
Syracuse U.	78	2,581	2,815	3,001	2,528	347	443	542	300
Emory U.	79	1,961	3,049	2,715	2,357	1,331	2,017	1,975	1,926
U. Nevada, Las Vegas	80	154	1,550	1,471	2,347	98	108	14	15
U. Connecticut	81	1,805	2,296	2,362	2,344	1,014	1,435	1,370	1,361
U. Nevada, Reno	82	650	1,451	2,609	2,341	113	267	894	805
Northwestern U.	83	2,461	2,869	2,461	2,275	1,657	1,891	1,675	1,580
Michigan Technological U.	84	2,234	2,122	2,085	2,260	397	272	216	359
U. Texas Rio Grande Valley	85	390	268	1,881	2,174	287	109	151	196
U. Vermont	86	605	327	612	2,154	398	123	395	247
U. Louisiana, Lafayette	87	1,537	1,603	3,226	2,117	583	131	48	91
U. Texas, Arlington	88	1,835	1,992	2,276	2,053	603	695	798	748

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		2017	2018	2019	2020	2017	2018	2019	2020
Rochester Institute of Technology	89	1,461	2,115	1,750	2,040	1,073	1,519	1,257	1,503
U. Oklahoma, Norman and Health Science Center	90	309	377	477	2,018	258	256	390	361
Georgia State U.	91	1,781	1,973	2,045	1,973	731	969	1,020	1,148
Mississippi State U.	92	1,122	1,304	1,310	1,959	51	120	172	172
George Mason U.	93	1,892	1,578	1,981	1,941	1,246	938	737	1,008
U. Delaware	94	2,030	1,908	2,227	1,887	1,748	1,565	1,743	1,565
U. South Carolina, Columbia	95	1,939	2,131	2,100	1,817	1,393	1,227	1,217	1,185
SUNY, U. Albany	96	1,376	1,053	1,443	1,774	183	87	197	196
Georgetown U.	97	245	263	24	1,765	67	142	24	0
Indiana U., Bloomington	98	3,031	2,269	1,773	1,740	1,804	1,512	987	1,299
Marquette U.	99	1,252	1,686	1,863	1,734	770	942	1,300	1,217
U. Florida	100	1,203	1,471	2,346	1,726	711	886	1,497	985
Wayne State U.	101	1,177	3,801	1,393	1,716	966	1,527	1,269	1,184
Vanderbilt U. and Vanderbilt U. Medical Center	102	1,762	1,739	1,211	1,689	915	953	685	902
U. California, Riverside	103	1,406	1,689	2,251	1,682	983	1,048	1,588	1,120
U. North Texas, Denton	104	316	491	1,409	1,676	94	113	201	202
U. Southern California	105	1,218	1,220	1,500	1,617	898	977	1,077	1,264
Rockefeller U.	106	1,887	1,474	1,602	1,612	437	152	331	306
Oregon State U.	107	1,186	2,003	2,074	1,595	650	1,418	1,515	1,108
U. Virginia, Charlottesville	108	1,183	1,582	1,698	1,593	1,030	884	1,138	1,125
American U.	109	1,741	1,618	1,319	1,559	322	328	340	370
U. Texas, San Antonio	110	371	272	586	1,529	150	184	135	115
Florida International U.	111	1,147	1,162	1,394	1,470	72	56	111	138
U. Cincinnati	112	2,278	2,322	1,949	1,422	1,024	1,156	1,060	665
U. New Mexico	112	807	1,119	1,638	1,422	674	971	1,542	1,337
U. Miami	114	913	992	581	1,420	509	424	239	301
U. California, Santa Barbara	115	1,801	1,234	1,711	1,416	1,457	883	1,035	944
Worcester Polytechnic Institute	116	1,374	1,684	1,253	1,404	624	1,009	946	799
California Institute of Technology	117	1,641	1,475	1,534	1,387	1,141	902	816	755
U. Kentucky	118	903	809	1,685	1,336	654	529	1,430	1,088
Kent State U.	119	1,387	1,156	1,637	1,309	335	238	268	300
Southern Methodist U.	120	946	982	1,486	1,291	822	719	1,037	961
Boston C.	121	1,230	1,113	1,015	1,289	964	1,008	960	1,064
U. Missouri, Columbia	122	2,069	1,670	1,308	1,279	1,696	1,444	1,094	1,017
U. Wyoming	123	9,542	10,004	1,499	1,276	2,540	2,684	1,426	1,155
Florida Atlantic U.	124	357	631	883	1,268	156	289	363	519
U. Memphis	125	1,015	845	892	1,241	696	290	298	493
Tuskegee U.	126	21	17	1,216	1,240	17	17	1,216	1,240
Old Dominion U.	127	4,323	3,994	7,507	1,239	3,123	3,205	4,318	952
U. Montana, Missoula	128	307	470	1,256	1,187	244	391	704	734
U. Texas, Dallas	129	1,393	866	1,063	1,155	590	412	683	668
Boise State U.	130	1,528	1,534	582	1,137	415	263	393	904
U. Hawaii, Hilo	131	328	646	944	1,126	230	455	759	863
North Dakota State U.	132	901	38	714	1,120	21	0	0	150
Portland State U.	133	1,267	832	933	1,115	1,159	704	745	794
SUNY, U. Buffalo	134	949	901	1,083	1,067	623	538	583	597
San Francisco State U.	135	1,104	1,063	1,023	1,060	259	170	309	322

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		2017	2018	2019	2020	2017	2018	2019	2020
Texas State U.	136	521	444	908	1,038	235	110	680	799
U. North Carolina, Charlotte	137	613	976	902	1,029	599	803	568	820
U.S. Naval Academy	138	701	1,131	936	1,013	492	786	636	799
California State U., Northridge	139	1,042	1,348	786	980	1,042	1,243	777	901
Washington U., Saint Louis	140	671	616	639	959	622	578	613	902
Baylor U.	141	526	693	1,104	933	221	208	253	284
George Washington U.	142	1,279	1,154	1,709	926	564	713	1,129	631
U. Alabama, Birmingham	143	324	320	876	916	316	289	844	875
U. Oregon	144	954	1,064	908	906	866	898	792	853
California State U., East Bay	145	ne	ne	ne	896	ne	ne	ne	0
Northeastern U.	146	451	927	780	878	317	787	649	685
Delaware State U.	147	1,428	561	834	865	1,295	418	455	474
Utah State U.	148	538	791	736	846	312	366	301	268
U. Maine	149	124	101	1,115	845	58	21	59	65
North Carolina Agricultural and Technical State U.	150	64	493	872	818	29	416	800	748
Southern Illinois U., Edwardsville	151	402	569	263	817	137	177	199	212
Virginia Commonwealth U.	152	1,048	1,085	890	793	693	595	625	609
Cleveland State U.	153	1,786	1,058	823	784	373	430	283	232
Clarkson U.	154	987	848	1,046	780	562	596	724	571
Louisiana Tech U.	155	684	636	726	771	158	93	168	238
U. Maryland, Baltimore County	156	1,017	1,467	592	729	879	1,127	371	368
Montclair State U.	157	232	593	952	726	185	522	425	327
U. Alabama, Huntsville	157	512	500	627	726	59	45	44	2
U. Massachusetts, Dartmouth	159	846	801	1,026	717	282	236	831	239
U. of the Virgin Islands	160	1,054	670	740	694	994	670	740	694
California State U., Long Beach	161	581	574	621	691	576	562	601	673
CUNY, C. Staten Island	161	122	521	470	691	75	182	222	513
U. Kansas	163	1,425	1,166	999	672	1,322	1,084	924	649
U. Massachusetts, Lowell	164	629	972	636	663	147	0	0	0
Air Force Institute of Technology	165	538	1,092	1,313	658	366	551	691	497
St. Edward's U.	166	450	220	470	645	320	130	450	600
Virginia State U.	166	101	650	1,333	645	20	473	1,010	645
California State U., San Bernardino	168	1,576	948	681	633	1,193	847	666	427
U. Iowa	169	773	749	710	624	537	456	398	340
Indiana U.-Purdue U., Indianapolis	170	742	543	610	595	595	444	519	460
Saginaw Valley State U.	171	12	199	617	588	2	181	607	587
Colorado School of Mines	172	569	302	404	583	516	280	397	571
Tulane U.	173	1,768	1,718	814	581	1,006	665	374	441
Bryn Mawr C.	174	606	608	460	561	212	202	73	114
Brandeis U.	175	650	790	677	551	379	341	424	401
Drexel U.	176	809	704	497	546	578	636	429	452
Wesleyan U.	177	297	391	553	533	122	288	472	390
Bowling Green State U.	178	426	408	341	532	188	149	123	140
Wake Forest U.	179	168	97	408	529	166	92	158	134
U. Colorado Denver and Anschutz Medical Campus	180	559	313	584	524	539	282	550	501
U. Hawaii, Manoa	181	352	363	466	515	241	316	399	457
U. Louisville	182	141	104	67	494	131	99	51	84

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		2017	2018	2019	2020	2017	2018	2019	2020
West Virginia U.	183	933	5,106	625	482	571	2,477	493	369
Long Island U.	184	5	0	0	457	5	0	0	0
Tarleton State U.	185	3	0	192	450	0	0	26	2
U. Massachusetts, Boston	186	188	83	298	449	127	38	40	14
Washington State U.	187	712	1,611	475	447	399	1,045	249	289
William & Mary	188	232	324	601	438	180	278	510	242
U. North Dakota	189	381	384	383	434	0	0	0	0
California State U., Fresno	190	175	149	214	412	131	115	182	287
CUNY, New York City C. of Technology	191	ne	239	694	409	ne	87	138	0
Grinnell C.	192	181	398	798	407	51	129	89	72
Illinois Institute of Technology	193	785	296	211	405	764	271	210	389
U. New Hampshire	194	209	229	291	404	144	164	251	339
South Dakota State U.	195	421	391	488	401	350	267	259	262
Williams C.	195	422	428	419	401	260	262	236	227
Bucknell U.	197	78	83	418	399	31	30	222	214
CUNY, City C.	198	876	733	579	389	682	588	509	313
U. New Orleans	198	0	40	204	389	0	0	18	0
Vassar C.	200	820	1,953	428	357	820	1,953	424	350
Case Western Reserve U.	201	671	671	558	355	595	600	485	325
Brigham Young U., Provo	202	1,335	799	614	348	1,186	759	562	331
Western Washington U.	203	645	669	499	347	292	261	222	217
U. Alaska, Fairbanks	204	514	454	507	346	498	428	507	321
Amherst C.	205	224	372	267	340	137	255	163	225
South Dakota School of Mines and Technology	206	93	133	141	339	77	117	126	339
Sam Houston State U.	207	95	274	368	338	55	230	345	319
CUNY, Baruch C.	208	77	134	175	325	42	101	155	321
U. West Florida	209	40	35	45	313	9	0	0	0
Miami U.	210	350	241	376	310	211	114	192	139
Elizabeth City State U.	211	520	619	ne	287	510	619	ne	287
Saint Louis U.	212	104	74	56	280	82	20	38	266
Southern Illinois U., Carbondale	213	177	74	31	278	106	16	14	0
U. of the District of Columbia	214	282	166	629	277	282	166	629	277
CUNY, Lehman C.	215	19	13	26	271	0	0	0	259
U. Missouri, Saint Louis	216	162	242	211	265	62	176	135	235
U. Alabama, Tuscaloosa	217	99	43	179	262	6	19	154	226
Wellesley C.	218	4	79	109	255	1	55	0	240
U. California, Santa Cruz	219	481	387	303	236	331	274	267	161
California State U., Monterey Bay	220	0	0	0	234	0	0	0	148
Duquesne U.	221	17	0	255	233	1	0	131	120
Florida Gulf Coast U.	222	53	22	17	232	53	22	0	149
Howard U.	223	295	225	222	230	185	116	0	0
Illinois State U.	224	565	355	296	229	439	264	185	119
CUNY, Queens C.	225	212	346	302	228	165	299	255	160
Lehigh U.	225	179	167	187	228	160	150	143	194
Hampton U.	227	422	413	217	226	422	413	217	226
U. San Diego	228	77	77	274	225	38	71	241	141
Mercer U.	229	0	183	194	224	0	0	0	0

TABLE 46

Total and federally financed higher education R&D expenditures in mathematics and statistics, ranked by FY 2020 total: FYs 2017–20

(Dollars in thousands)

Institution	Rank	Total				Federally financed				
		2017	2018	2019	2020	2017	2018	2019	2020	
Reed C.	230	289	275	370	223	56	116	121	151	
Missouri U. of Science and Technology	231	144	222	440	222	120	174	373	218	
CUNY, Brooklyn C.	232	188	169	212	i 221	169	152	211	i 220	
Eastern Michigan U.	233	258	102	143	216	36	86	105	37	
U. Mississippi	233	910	1,023	1,236	216	19	132	71	47	
U. North Carolina, Greensboro	235	257	271	210	215	241	239	170	167	
U. Idaho	236	755	599	213	205	669	487	108	120	
Creighton U.	237	222	i 192	i 237	i 204	i 117	i 82	i 118	i 108	i
Texas Southern U.	237	0	32	144	204	0	32	144	204	
U. Rochester	239	302	348	213	201	288	333	194	185	
U. Nebraska, Omaha	240	183	304	333	200	38	206	219	162	
Murray State U.	241	82	84	62	198	81	83	61	198	
Carleton C.	242	181	398	216	196	129	62	0	41	
West Chester U. Pennsylvania	242	297	297	340	196	14	64	80	60	
U. Southern Mississippi	244	235	315	96	195	22	18	96	195	
California State U., Stanislaus	245	16	16	160	194	15	15	160	194	
Clark Atlanta U.	245	1	0	128	194	0	0	128	157	
U. Tennessee, Chattanooga	247	52	135	335	189	43	24	49	81	
Florida Institute of Technology	248	630	365	345	188	608	111	92	71	
Loyola U., Chicago	248	297	131	405	188	176	63	345	164	
New Mexico State U.	248	223	74	41	188	169	39	8	151	
Loyola Marymount U.	251	10	29	124	187	0	0	74	117	
William Paterson U.	252	4	242	257	185	0	0	0	0	
Fort Valley State U.	253	187	0	36	184	169	0	0	158	
Seattle U.	253	231	218	206	184	210	202	177	159	
Smith C.	255	515	348	296	182	469	276	211	121	
California State U., Channel Islands	256	58	141	341	181	49	130	283	171	
U. Northern Colorado	256	438	535	672	181	331	449	570	117	
Towson U.	258	58	48	84	179	0	0	0	50	
CUNY, Hunter C.	259	22	24	95	174	7	22	43	114	
Harvey Mudd C.	259	154	212	219	174	81	173	151	113	
Lewis and Clark C.	259	94	108	100	174	6	13	19	45	
Fordham U.	262	210	228	242	173	37	60	58	66	
Grand Valley State U.	263	203	226	299	166	164	179	234	94	
Morehouse C.	263	211	222	256	166	211	222	256	166	
U. South Dakota	265	191	139	181	160	0	0	0	0	
James Madison U.	266	24	76	312	159	24	69	154	104	
U. Michigan, Dearborn	267	84	136	228	155	47	77	139	110	
U. Minnesota, Duluth	268	401	242	236	152	224	165	142	108	
Lincoln U., Jefferson City	269	226	280	234	150	226	280	234	150	
East Tennessee State U.	270	75	0	i 19	i 149	i 75	0	16	123	
U. of the Incarnate Word	271	ne	140	127	148	ne	140	127	148	
Manhattan C.	272	ne	ne	0	147	ne	ne	0	147	
Mount Holyoke C.	272	172	162	370	147	172	145	347	147	
Prairie View A&M U.	274	36	26	7	145	0	0	0	0	
U. Puerto Rico, Rio Piedras	274	117	145	172	145	110	144	166	102	
Wright State U.	274	369	456	153	145	272	332	116	72	

TABLE 46

Total and federally financed higher education R&D expenditures in mathematics and statistics, ranked by FY 2020 total: FYs 2017–20

(Dollars in thousands)

Institution	Rank	Total				Federally financed				
		2017	2018	2019	2020	2017	2018	2019	2020	
Davidson C.	277	31	60	74	142	0	0	12	61	
Sonoma State U.	278	ne	ne	ne	141	ne	ne	ne	91	
U. Detroit Mercy	279	169	2	2	140	35	0	0	0	
California State Polytechnic U., Pomona	280	0	291	42	138	0	213	33	102	
Macalester C.	280	113	70	23	138	59	0	15	96	
Morgan State U.	282	623	448	328	134	538	420	284	105	
U. Hartford	283	27	0	183	131	27	0	183	131	
Pomona C.	284	223	274	270	129	131	219	202	82	
Stephen F. Austin State U.	284	0	112	642	129	0	82	640	128	
Haverford C.	286	102	i 94	i 63	i 127	80	68	29	65	
U. Central Oklahoma	287	117	104	126	126	i 91	86	94	93	i
Kentucky State U.	288	0	i 0	3	125	0	i 0	3	125	
Central Michigan U.	289	93	92	183	120	38	45	125	52	
U. Denver	289	193	206	123	120	150	124	92	68	
California State U., Dominguez Hills	291	50	56	76	116	16	15	21	53	
Salisbury U.	292	26	35	0	113	0	0	0	0	
U. Wisconsin-La Crosse	293	129	164	107	112	100	143	87	77	
Tennessee State U.	294	163	86	98	111	160	79	89	104	
Kennesaw State U.	295	89	1,338	2,427	107	0	0	5	4	
U. Richmond	296	118	103	90	106	114	97	43	21	
U. North Carolina, Wilmington	297	46	98	83	105	34	91	80	48	
Wichita State U.	297	278	265	105	105	230	256	95	72	
C. Wooster	299	215	69	63	104	205	54	62	55	
Central Washington U.	299	48	106	154	104	48	79	112	52	
Swarthmore C.	301	201	123	171	103	171	84	109	63	
Jackson State U.	302	251	89	68	97	224	66	47	84	
U. Arkansas, Fayetteville	302	400	407	286	97	298	277	148	71	
California State U., Sacramento	304	34	45	41	94	0	0	5	0	
Rutgers, State U. New Jersey, Camden	304	0	9	0	94	0	9	0	84	
SUNY, Buffalo State	306	0	0	0	91	0	0	0	91	
Appalachian State U.	307	85	146	41	90	29	0	0	5	
Ohio U.	307	124	i 76	i 101	90	77	15	67	76	
Claremont McKenna C.	309	218	36	74	85	203	18	64	78	
Colgate U.	310	27	47	50	84	0	0	0	56	
Embry-Riddle Aeronautical U.	310	172	21	33	84	0	5	0	23	
Trinity U.	310	100	59	53	84	79	47	39	68	
Alabama A&M U.	313	204	i 164	i 123	i 83	i 154	i 119	i 84	i 56	i
Hobart and William Smith Colleges	313	28	ne	80	83	0	ne	78	83	
California State U., San Marcos	315	688	572	711	82	688	572	711	82	
U. Akron	315	533	210	178	82	359	117	119	60	
U. Wisconsin-Eau Claire	315	77	77	105	82	77	52	41	35	
C. Charleston	318	178	63	146	81	95	13	36	0	
Northern Kentucky U.	318	0	0	0	81	0	0	0	71	
U. South Alabama	320	81	55	31	80	50	8	17	79	
Eastern Connecticut State U.	321	73	80	5	79	0	0	0	0	
Oregon Institute of Technology	322	0	i 0	i 85	i 77	i 0	i 0	i 0	0	
Northern Illinois U.	323	164	136	129	76	74	65	52	24	

TABLE 46

Total and federally financed higher education R&D expenditures in mathematics and statistics, ranked by FY 2020 total: FYs 2017–20

(Dollars in thousands)

Institution	Rank	Total				Federally financed			
		2017	2018	2019	2020	2017	2018	2019	2020
East Carolina U.	324	15	51	11	75	10	0	0	0
Fairfield U.	324	316	40	43	75	98	40	43	74
Claremont Graduate U.	326	2	3	3	70	0	0	0	70
U. North Florida	326	22	52	43	70	0	0	0	0
Lafayette C.	328	117	292	119	69	115	274	102	56
Purdue U., Fort Wayne	328	164	93	50	69	51	26	22	19
Hope C.	330	29	28	10	68	22	21	2	58
Trinity C., Hartford	330	55	38	28	68	28	24	0	52
Georgia Southern U.	332	128	105	57	67	24	13	11	30
St. John's U., New York	333	8	67	59	66	0	52	53	64
Azusa Pacific U.	334	75	99	42	64	0	16	18	0
Ithaca C.	334	ne	ne	ne	64	ne	ne	ne	64
Villanova U.	336	137	185	186	60	113	160	144	2
Tennessee Technological U.	337	139	2	0	59	118	0	0	0
Occidental C.	338	0	0	38	58	0	0	38	58
California State U., Chico	339	64	124	61	57	64	118	61	10
Lamar U.	340	9	226	132	55	0	44	82	54
New Mexico Institute of Mining and Technology	341	82	150	155	53	82	150	155	50
Northeastern Illinois U.	341	3	37	60	53	3	37	60	53
Franklin and Marshall C.	343	176	252	255	52	68	115	126	22
Ball State U.	344	107	139	140	51	13	48	38	35
St. Olaf C.	344	312	90	109	51	303	55	87	23
CUNY, Medgar Evers C.	346	72	30	61	49	54	9	51	44
U. Toledo	346	80	175	49	49	2	69	29	36
Norfolk State U.	348	122	49	58	48	62	49	58	48
Spelman C.	348	1	45	202	48	1	45	202	48
New Jersey City U.	350	13	15	15	47	13	15	0	42
U. Washington, Tacoma	350	46	18	0	47	46	18	0	47
U. Puerto Rico, Mayaguez	352	792	752	176	45	409	427	137	25
Benedict C.	353	75	95	52	44	75	95	44	44
U. of St. Thomas (MN)	354	73	55	37	43	65	30	17	40
Pacific U.	355	74	55	57	42	28	0	0	9
U. Minnesota, Morris	355	22	ne	197	42	12	ne	36	37
SUNY, Geneseo	357	40	100	106	41	30	56	60	35
Western Michigan U. and Homer Stryker M.D. School of Medicine	358	210	159	73	40	124	69	1	9
Middle Tennessee State U.	359	100	353	169	39	63	293	0	0
Central State U.	360	121	61	44	37	121	61	44	37
Stevens Institute of Technology	360	287	258	237	37	93	39	0	0
Southern Connecticut State U.	362	0	2	142	35	0	0	0	0
Oakland U.	363	69	22	73	34	61	22	28	34
Union C., Schenectady	364	51	22	18	33	33	0	0	13
Pepperdine U.	365	64	28	22	32	29	1	0	0
Albion C.	366	20	30	16	31	0	0	0	0
Calvin U.	366	63	152	32	31	63	139	32	31
U. Washington, Bothell	366	0	85	20	31	0	0	20	31
Colby C.	369	15	42	32	30	0	0	0	10
Roger Williams U.	369	37	10	13	30	27	10	10	13

TABLE 46

Total and federally financed higher education R&D expenditures in mathematics and statistics, ranked by FY 2020 total: FYs 2017–20

(Dollars in thousands)

Institution	Rank	Total				Federally financed			
		2017	2018	2019	2020	2017	2018	2019	2020
Bowdoin C.	371	96	65	71	29	86	50	58	24
Barnard C.	372	90	84	74	27	88	82	66	22
Western Kentucky U.	372	129	73	55	27	13	18	48	11
Indiana U. Pennsylvania	374	3	12	20	26	0	0	0	0
Texas A&M U.-Commerce	374	12	32	13	26	0	0	0	0
U. San Francisco	376	11	8	14	25	7	0	1	16
Eastern Kentucky U.	377	14	54	50	24	14	54	50	24
U. Central Arkansas	377	56	198	45	24	5	65	10	15
Colorado C.	379	110	128	38	23	89	104	15	0
CUNY, Graduate Center	379	0	0	34	23	0	0	34	23
Indiana State U.	379	0	10	27	23	0	10	27	23
Keck Graduate Institute	379	0 i	21 i	23 i	23 i	0 i	14 i	15 i	15 i
Texas Woman's U.	379	56	19	68	23	0	0	0	0
Santa Clara U.	384	23	0	6	22	19	0	0	20
U. Texas, Tyler	384	83	100	95	22	82	93	76	20
Pennsylvania State U., Behrend	386	56	48	94	21	27	15	18	15
Texas A&M U.-Corpus Christi	386	18	35	47	21	0	0	0	0
U. Wisconsin-Platteville	386	23 i	ne	20 i	21 i	10 i	ne	8 i	8 i
Black Hills State U.	389	0	0	0	19	0	0	0	0
Mercyhurst U.	389	0 i	ne	19 i	19 i	0 i	ne	10 i	10 i
Northwestern State U. Louisiana	389	12	12	19	19	0	0	0	0
Hamilton C.	392	35	8	12	18	0	0	0	0
U. Wisconsin-Green Bay	392	23 i	14 i	18 i	18 i	17 i	6 i	8 i	9 i
C. of Saint Benedict	394	43	19	18 i	17 i	0	0	0 i	0 i
Central Connecticut State U.	394	32	ne	24	17	0	ne	0	0
U. Wisconsin-Oshkosh	394	15 i	16 i	16 i	17 i	12 i	13 i	12 i	13 i
Bates C.	397	13	12	30	16	0	0	11	8
California Lutheran U.	397	ne	ne	56	16	ne	ne	0	0
Kenyon C.	397	ne	27	31	16	ne	0	0	0
Mills C.	397	0	0	0	16	0	0	0	0
Saint John's U., Collegeville	397	38	17	17 i	16 i	0	0	0 i	0 i
Eastern Washington U.	402	0	0	2	15	0	0	2	15
Hawaii Pacific U.	403	8	24	11	14	8	24	11	14
U. Missouri, Kansas City	403	69	230	14	14	18	149	6	0
Augusta U.	405	29	0	23	13	0	0	23	13
Claflin U.	405	16	11	27	13	16	11	27	13
Stockton U.	405	ne	0	0	13	ne	0	0	0
Fisk U.	408	243	0	0	12	237	0	0	12
Skidmore C.	408	8	10	20	12	0	0	7	0
Biola U.	410	9 i	9 i	12 i	11 i	7 i	6 i	8 i	8 i
California State U., Fullerton	410	7	4	29	11	0	0	0	0
U. Colorado Colorado Springs	410	108	77	67	11	106	77	66	11
Western Carolina U.	410	7	7	7	11	0	0	0	3
Wheaton C., Wheaton	410	15	29	7	11	0	0	0	0
California State U., Los Angeles	415	28	46	28 i	10	28	46	28	10
Humboldt State U.	415	0	5	0	10	0	0	0	0
Lipscomb U.	415	ne	ne	ne	10 i	ne	ne	ne	7 i
U. Houston-Downtown	415	402	119	75	10	400	111	72	9

TABLE 46

Total and federally financed higher education R&D expenditures in mathematics and statistics, ranked by FY 2020 total: FYs 2017–20

(Dollars in thousands)

Institution	Rank	Total				Federally financed			
		2017	2018	2019	2020	2017	2018	2019	2020
Willamette U.	415	95	88	11	10	84	80	0	0
Dickinson C.	420	0	ne	6	9	0	ne	0	0
Niagara U.	420	10	5	4	9	0	0	0	0
Columbus State U.	422	ne	ne	ne	8	ne	ne	ne	0
U. Nebraska, Kearney	422	2	1	4	8	0	0	0	0
U. of Mary Washington	422	ne	17	12	8	ne	0	0	0
Christopher Newport U.	425	0	0	0	7	0	0	0	0
Midwestern State U.	425	ne	ne	ne	7	ne	ne	ne	6
C. New Jersey	427	23	4	ne	6	23	3	ne	4
Colorado State U., Pueblo	427	ne	ne	11	6	ne	ne	11	6
Pace U.	427	0	2	0	6	0	0	0	0
Saint Joseph's U.	427	18	14	17	6	0	0	0	0
Troy U.	427	ne	ne	ne	6	ne	ne	ne	4
Youngstown State U.	427	18	18	12	6	18	15	0	1
CUNY, John Jay C. of Criminal Justice	433	6	7	5	5	0	0	0	5
Gettysburg C.	433	1	17	3	5	0	0	0	5
Southern U. and A&M C., Baton Rouge	433	0	16	39	5	0	0	9	0
SUNY, C. Brockport	433	23	10	7	5	15	0	0	0
U. Maryland Center for Environmental Science	433	0	0	42	5	0	0	27	0
Winston-Salem State U.	433	0	0	45	5	0	0	45	0
Arkansas State U., Jonesboro	439	2	4	3	4	0	0	0	0
Hofstra U.	439	8	8	12	4	0	0	0	0
Oberlin C.	439	21	35	44	4	0	0	1	0
U. Dayton	439	28	0	0	4	0	0	0	0
U. New Haven	439	0	0	0	4	0	0	0	0
U. Puget Sound	439	10	ne	ne	4	0	ne	ne	0
U. Tulsa	439	95	20	36	4	67	0	0	0
Andrews U.	446	ne	ne	3	3	ne	ne	0	0
Austin Peay State U.	446	0	0	0	3	0	0	0	0
Citadel Military C. South Carolina	446	ne	ne	ne	3	ne	ne	ne	0
Gallaudet U.	446	2	0	3	3	2	0	0	0
Grambling State U.	446	304	280	82	3	304	260	82	3
Kettering U.	451	0	17	7	2	0	0	0	0
Langston U.	451	3	2	2	2	3	2	2	2
Liberty U.	451	ne	ne	22	2	ne	ne	0	0
Texas Christian U.	451	157	123	169	2	135	69	52	2
Chapman U.	455	115	0	0	1	0	0	0	0
Marshall U.	455	131	0	0	1	64	0	0	0
Texas A&M International U.	455	32	1	8	1	8	0	0	0
U. North Georgia	455	18	127	6	1	16	0	0	0
U. Northern Iowa	455	7	10	4	1	0	0	0	0
U. Puerto Rico, Humacao	455	ne	2	0	1	ne	2	0	1
West Texas A&M U.	455	110	105	52	1	102	93	50	0
Western Illinois U.	455	1	9	14	1	0	0	0	0
All other surveyed institutions	-	11,213	9,960	853	0	6,771	6,130	657	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.

^a Johns Hopkins University includes the Applied Physics Laboratory (APL), with \$103,569 thousand imputed for total and \$100,883 thousand reported for federally financed R&D expenditures in mathematics and statistics in FY 2020. 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.

^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 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.

Note(s):

Institutions reporting zero expenditures in ranked total for FY 2020 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.