

TABLE 24. Total and federally financed higher education R&D expenditures in the mathematical sciences, ranked by total mathematical sciences R&D: FY 2010

(Dollars in thousands)

Rank	Institution	Total	Federally financed
	All institutions	598,921	418,995
1	Johns Hopkins U., The ^a	31,218	28,746
2	U. TX Austin	27,593	16,349
3	U. TX M. D. Anderson Cancer Ctr.	20,432	5,614
4	NC State U.	18,384	10,112
5	Rutgers, the State U. NJ-New Brunswick	14,763	9,494
6	U. MI-Ann Arbor	12,468	5,435
7	PA State U. University Park and Hershey Medical Ctr.	12,278	8,413
8	Brown U.	11,228	7,148
9	IA State U.	11,049	5,274
10	U. MN Twin Cities	10,904	8,258
11	Stanford U.	10,782	8,469
12	TX A&M U.	10,127	5,787
13	NY U.	9,244	8,639
14	Duke U.	8,921	6,903
15	Princeton U.	8,014	6,647
16	Boston C.	7,852 i	3,321
17	GA Institute of Technology	7,759	2,573
18	OH State U.	7,527	6,345
19	U. CA, Los Angeles	7,426	6,097
20	MA Institute of Technology	7,281	7,146
21	U. MD College Park	7,259	5,678
22	SUNY Stony Brook	7,129	4,383
23	U. CA, Berkeley	7,025	6,031
24	Purdue U. main campus	6,530	4,788
25	NM State U.	6,522	5,868
26	AZ State U.	6,412	4,966
27	U. WI-Madison	6,246	4,408
28	Harvard U.	6,078	5,994
29	Cornell U.	5,461	4,659
30	Rice U.	5,215	3,890
31	Naval Postgraduate School	5,181	4,913
32	U. WA Seattle	5,105	4,770
33	U. NE-Lincoln	5,039	1,790
34	Columbia U. in the City of New York	4,608	4,210
35	U. CA, San Diego	4,512	3,120
36	MI State U.	4,488	3,641
37	TX Tech U.	4,390	1,580
38	U. Chicago	4,355	4,034
39	Elizabeth City State U.	4,273	4,273
40	U. Pittsburgh main campus	4,114	2,589
41	NJ Institute of Technology	4,051	2,037
42	FL State U.	4,042	2,998
43	U. NC Chapel Hill	3,940	3,365
44	U. Southern CA	3,896	2,723
45	U. IL Urbana-Champaign	3,728	3,323
46	U. CA, Irvine	3,515	2,788
47	U. UT	3,509	3,063
48	U. CA, Davis	3,508	2,569
49	Clemson U.	3,499	731
50	Tulane U.	3,443	2,086

TABLE 24. Total and federally financed higher education R&D expenditures in the mathematical sciences, ranked by total mathematical sciences R&D: FY 2010

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Rank	Institution	Total	Federally financed
51	VA Polytechnic Institute and State U.	3,394	1,458
52	Air Force Institute of Technology	3,345	1,949
53	U. IL Chicago	3,184	2,249
54	Rensselaer Polytechnic Institute	3,114	2,703
55	Boston U.	3,089	2,546
56	Carnegie Mellon U.	3,040	2,877
57	U. FL	2,957	1,738
58	San Diego State U.	2,937	2,207
59	SUNY Buffalo	2,886	1,976
60	U. CO Boulder	2,881	2,623
61	U. PA	2,856	2,614
62	U. MA Amherst	2,817	1,687
63	U. AZ	2,753	2,189
64	Yale U.	2,698	2,157
65	U. Houston	2,662	1,495
66	OK State U. main campus	2,558	118
67	IN U. Bloomington	2,539	1,771
68	U. GA	2,497	1,958
69	U. SC Columbia	2,488	1,988
70	U. KY	2,445	1,892
71	Old Dominion U.	2,425	701
72	CA Institute of Technology	2,410	2,278
73	SUNY Binghamton	2,404	382
74	U.S. Military Academy	2,346	2,345
75	U. TX El Paso	2,333	1,388
76	Northwestern U.	2,325	1,982
77	U. NM	2,306	2,153
78	LA State U. and A&M C.	2,270	1,526
79	U. MO-Columbia	2,210	2,126
80	U. of Notre Dame	2,186	1,886
81	CO State U.	2,150	1,793
82	U. IA	1,957	1,654
83	U. AL Birmingham, The	1,920	1,549
84	VA Commonwealth U.	1,882	1,876
85	MI Technological U.	1,854	149
86	DE State U.	1,851	1,760
87	FL Atlantic U.	1,744	816
88	George Washington U.	1,744	1,055
89	MS State U.	1,721	536
90	CUNY Graduate Ctr.	1,508	1,483
91	Rockefeller U.	1,466	546
92	Western MI U.	1,417	1,374
93	U. DE	1,383	1,230
94	San Francisco State U.	1,361	1,093
95	U. CA, Santa Barbara	1,324	1,161
96	U. MD Baltimore County	1,311	254
97	U. TX Arlington	1,293	858
98	OR State U.	1,281	897
99	IL Institute of Technology	1,266	1,200
100	U. LA Lafayette	1,266	249

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Rank	Institution	Total	Federally financed
101	U. NC Charlotte	1,264	1,118
102	TX State U.-San Marcos	1,257	698
103	WA State U.	1,181	960
104	Vanderbilt U.	1,167	1,144
105	U. TX Dallas	1,161	223
106	Worcester Polytechnic Institute	1,104	958
107	Northeastern U.	1,075	983
108	U. KS	1,050	980
109	U. VA main campus	1,016	919
110	Emory U.	1,006	1,006
111	IN U.-Purdue U. Indianapolis	997	926
112	U. WI-Milwaukee	981	662
113	Southern Methodist U.	973	865
114	Brigham Young U.	966	928
115	MT State U. Bozeman	955	847
116	U. Richmond	931	393
117	Syracuse U.	919	848
118	Temple U.	909	711
119	U. CA, Riverside	892	685
120	Marquette U.	883	584
121	U. Cincinnati	855	176
122	U. Miami	847	759
123	Rowan U.	843	475
124	U. CT	827	676
125	U. South FL	827	496
126	KS State U.	822	337
127	George Mason U.	785	496
128	LA Tech U.	780	370
129	CA State U., Fullerton	770	515
130	Middle TN State U.	759	673
131	U. OR	755	724
132	U. TN Knoxville	748	561
133	CA State U., Dominguez Hills	734	688
134	Wayne State U.	728	617
135	U.S. Naval Academy	715	647
136	American U.	712	50
137	U. CA, Santa Cruz	690	407
138	Le Moyne-Owen C.	670	572
139	Ft. Valley State U.	667	667
140	U. Rochester	667	597
141	CA State U., Northridge	660	580
142	CO School of Mines	660	660
143	U. Memphis, The	660	406
144	Rochester Institute of Technology	642	595
145	Drexel U.	622	465
146	Southern IL U. Edwardsville	617	151
147	Carleton C.	609	218
148	U. CO Colorado Springs	591	583
149	Brandeis U.	590	590
150	CUNY C. Staten Island	578	300

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Rank	Institution	Total	Federally financed
151	Clarkson U.	574	496
152	C. of William and Mary and VA Institute of Marine Science	573	470
153	U. CO Denver and Health Sciences Ctr.	573	571
154	U. Central FL	570	458
155	Bryn Mawr C.	561	191
156	Dartmouth C.	561	446
157	TX A&M U.-Commerce	540	0
158	NY Institute of Technology	529	0
159	James Madison U.	525	509
160	U. ID	511	489
161	Rutgers, the State U. NJ-Newark	485	285
162	U. MA Lowell	481	87
163	Kent State U.	471	447
164	Case Western Reserve U.	470	313
165	Portland State U.	458	414
166	WV U.	457	177
167	Morgan State U.	433	409
168	PA State U. Harrisburg	430	348
169	Xavier U. LA	430	298
170	U. North TX	426	303
171	Auburn U. main campus	422	400
172	Southern IL U. Carbondale	419	313
173	Washington U. St. Louis	414	389
174	Harvey Mudd C.	410	329
175	UT State U.	394	352
176	IL State U.	387	376
177	Smith C.	380	356
178	U. WY	373	211
179	U. MA Dartmouth	372	238
180	Hampton U.	370	370
181	FL International U.	360	227
182	C. Charleston	359	359
183	Oakland U.	353	166
184	U. Northern CO	353	338
185	U. NV, Reno	349	343
186	Tufts U.	348	340
187	U. MT-Missoula, The	343	275
188	U. AR main campus	342	225
189	U. VT	341	260
190	Wright State U.	329	119
191	U. TX Pan American	328	263
192	John Carroll U.	320	255
193	U. Akron	318	199
194	U. AR Little Rock	318	280
195	Armstrong Atlantic State U.	309	309
196	Wichita State U.	309	264
197	U. CA, Merced	308	107
198	Alcorn State U.	307	307
199	Mt. Holyoke C.	306	122
200	Williams C.	305	156

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Rank	Institution	Total	Federally financed
201	Wesleyan U.	303	167
202	CUNY The City C.	295	245
203	Jackson State U.	291	253
204	NC Central U.	291	291
205	Miami U.	281	281
206	Howard U.	278	271
207	Sam Houston State U.	274	274
208	U. Denver	273	273
209	Macalester C.	271	144
210	Duquesne U.	270	156
211	Fayetteville State U.	265	265
212	Universidad Metropolitana	260	204
213	Stevens Institute of Technology	251	232
214	U. OK	250	226
215	Fairfield U.	246	66
216	U. Toledo	244	121
217	Truman State U.	238	206
218	SD State U.	236	236
219	East TN State U.	234	234
220	U.S. Air Force Academy	232	113
221	Western WA U.	231	49
222	Georgetown U.	229	229
223	Wiley C.	229	229
224	Savannah State U.	223	223
225	CA Polytechnic State U., San Luis Obispo	220	166
226	U. MN Duluth	216	167
227	U. PR Mayaguez	210	13
228	CA State U., East Bay	208	208
229	Humboldt State U.	208	205
230	Polytechnic U.	207	207
231	Barnard C.	206	206
232	Loyola U. Chicago	205	203
233	U. ME	203	153
234	AL A&M U.	201	201
235	U. AL, The	201	121
236	Calvin C.	198	87
237	Baylor U.	194	94
238	Franklin & Marshall C.	193	57
239	TX A&M U.-Corpus Christi	190	141
240	U. AL Huntsville, The	190	183
241	CUNY Herbert H. Lehman C.	185 i	141 i
242	Lafayette C.	183	168
243	San Jose State U.	183	174
244	U. TX San Antonio	178	94
245	Purdue U. Calumet	173	23
246	U. NC Asheville	172	74
247	Reed C.	171	171
248	Central MI U.	170	114
249	Lehigh U.	169	167
250	Saginaw Valley State U.	169	0

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251	Northern IL U.	166	128
252	U. of St. Thomas (St. Paul, MN)	165	139
253	NC Agricultural and Technical State U.	163	140
254	U. SD	161	0
255	Pomona C.	160	145
256	TN State U.	159	159
257	Arcadia U.	157	157
258	C. of the Holy Cross	153	150
259	U. PR Rio Piedras	145	126
260	CUNY Queens C.	142	79
261	U. NH	142	127
262	Davidson C.	141	130
263	Western KY U.	141	8
264	GA State U.	140	47
265	West TX A&M U.	140	44
266	Murray State U.	139	139
267	CUNY Hunter C.	134	28
268	U. MO-St. Louis	134	116
269	Willamette U.	133	58
270	Villanova U.	131 i	75 i
271	FL A&M U.	128	126
272	SUNY Albany	125	125
273	U. Southern MS	125	125
274	OH U.	123	92
275	Andrews U.	118	62
276	Northern AZ U.	118	24
277	Morehouse C.	111	111
278	Tarleton State U.	110	72
279	East Carolina U.	106	70
280	Swarthmore C.	103	82
281	SUNY C. Geneseo	101	95
282	U. NV, Las Vegas	100	95
283	Loyola Marymount U.	99	71
284	St. Michael's C.	99	74
285	U. South AL	99	90
286	CA State U., Los Angeles	98	98
287	U. AR Pine Bluff	97	50
288	NM Institute of Mining and Technology	96	39
289	Northern KY U.	96	64
290	Southeastern LA U.	96	45
291	U. West GA	96	93
292	CA State U., Long Beach	95	95
293	U. Dayton	95	19
294	Wabash C.	95	89
295	U. Central AR	92	91
296	Hope C.	89	46
297	Clark U.	88	85
298	Valparaiso U.	88	88
299	ND State U.	87	49
300	Rose-Hulman Institute of Technology	87	82

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Rank	Institution	Total	Federally financed
301	SUNY New Paltz	85	85
302	St. Olaf C.	83	79
303	CUNY Brooklyn C.	81	61
304	Colby C.	80	51
305	Canisius C.	79	79
306	FL Institute of Technology	79	79
307	U. NC Greensboro	79	78
308	U. Central OK	78	34
309	PA State U. Altoona	75	61
310	Montclair State U.	74	69
311	Adelphi U.	71	71
312	DePaul U.	71	71
313	Dowling C.	68	68
314	Bucknell U.	67	58
315	Amherst C.	66	34
316	Auburn U. Montgomery	64	64
317	Youngstown State U.	64	63
318	Loyola C.	63	63
319	Bowdoin C.	62	61
320	U. NE Omaha	62	0
321	U. New Orleans	62	25
322	MO State U.	61	61
323	Ithaca C.	59	40
324	Boise State U.	58	55
325	Lamar U.	56	56
326	Central CT State U.	53	45
327	Ursinus C.	53	53
328	Wake Forest U.	53	47
329	LA State U. Shreveport	52	44
330	Northeastern IL U.	52	50
331	Central State U.	51	51
332	Clark Atlanta U.	51	51
333	Ball State U.	50	14
334	MO U. of Science and Technology	50	12
335	Radford U.	50	38
336	U. AK Fairbanks	48	46
337	U. WI-La Crosse	48	31
338	Rutgers, the State U. NJ-Camden	47	46
339	U. Portland	47	44
340	Grinnell C.	46	0
341	Stephen F. Austin State U.	46	12
342	Rider U.	44	44
343	St. Mary's C. MD	43	29
344	C. Wooster	42	0
345	Norfolk State U.	40	19
346	U. Houston-Downtown	40	32
347	Cleveland State U.	39	25
348	Grand Valley State U.	39	39
349	St. John's U. (Collegeville, MN)	39	0
350	Vassar C.	37	37

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Rank	Institution	Total	Federally financed
351	Agnes Scott C.	36	0
352	Pitzer C.	36 i	36
353	Towson U.	36	36
354	CO C.	35	15
355	Haverford C.	35 i	34
356	U. NC Wilmington	35	10
357	U. WI-Eau Claire	35	34
358	Eastern OR U.	34	0
359	Jarvis Christian C.	34	34
360	Mercer U.	34	0
361	Trinity U.	34	34
362	U. Houston-Clear Lake	34	32
363	Benedict C.	33	33
364	U. TX Brownsville	32	28
365	SD School of Mines and Technology	30	30
366	VA Military Institute	30	13
367	CA State U., Sacramento	29	26
368	TN Technological U.	29	25
369	TX Christian U.	29	25
370	U. Louisville	29	21
371	Barry U.	28	28
372	Furman U.	28	0
373	U. HI Manoa	28	0
374	William Paterson U. NJ	28	0
375	CUNY New York City C. of Technology	27	0
376	St. Louis U.	27	20
377	SUNY C. Brockport	26	14
378	Union C. (Schenectady, NY)	25	25
379	Eastern IL U.	24	24
380	Skidmore C.	24	0
381	Claremont McKenna C.	22	22
382	Colgate U.	22	0
383	Dickinson C.	21	0
384	North GA C. & State U.	20	0
385	PA State U. Erie, The Behrend C.	20	0
386	Seattle U.	20 i	0 i
387	Wellesley C.	20	20
388	Bradley U.	19	0
389	U. MA Boston	19	13
390	U. MI-Dearborn	19	0
391	VA State U.	19	19
392	CA State U., San Bernardino	18	0
393	McNeese State U.	18	6
394	U. MS and U. MS Medical Ctr.	18	18
395	CUNY Baruch C.	16	4
396	GA Southern U.	16	16
397	Middlebury C.	16	16
398	MS Valley State U.	16	16
399	St. Cloud State U.	16	0
400	U. North FL	16	0

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Rank	Institution	Total	Federally financed
401	Gonzaga U.	15	15
402	U. TN Martin	15	0
403	CO State U. Pueblo	14	14
404	Kalamazoo C.	14	0
405	IN U.-Purdue U. Ft. Wayne	13	0
406	U. MO-Kansas City	13	2
407	U. West FL	13	11
408	Denison U.	12 i	12 i
409	Indiana U. PA	12	0
410	Pepperdine U.	12	12
411	Loyola U. New Orleans	11	0
412	New C. FL	11	0
413	U. TN Chattanooga	11	0
414	Coe C.	10	0
415	CUNY John Jay C. of Criminal Justice	10	0
416	Eastern WA U.	10	0
417	Drake U.	9	0
418	Mercyhurst C.	9	0
419	Bates C.	8	0
420	Bowling Green State U.	8	6
421	CA State U., Chico	8	6
422	Mercy C.	8	0
423	TX Woman's U.	8	0
424	Benedictine U.	7	0
425	Concordia C.	7	0
426	CUNY Medgar Evers C.	7	0
427	Niagara U.	7	0
428	St. Joseph's U.	7	3
429	SUNY Institute of Technology at Utica-Rome	7	7
430	U. MI-Flint	7	0
431	Appalachian State U.	6	6
432	Coastal Carolina U.	6	6
433	IN U. South Bend	6	0
434	Kennesaw State U.	6	6
435	Lake Forest C.	6 i	0
436	Millsaps C.	5	5
437	Occidental C.	5	5
438	Trinity C. (Hartford, CT)	5	0
439	U. ND	5	5
440	U. PR Cayey	5	0
441	U. SC Aiken	5 i	3 i
442	C. NJ, The	4	4
443	Luther C.	4	0
444	MN State U. Mankato	4	0
445	U. Puget Sound	4	0
446	U. SC Beaufort	4 i	3 i
447	Central WA U.	3	3
448	Gettysburg C.	3	0
449	Kettering U.	3	3
450	SUNY C. Old Westbury	3 i	3 i

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Rank	Institution	Total	Federally financed
451	TX A&M International U.	3	0
452	U. NE Kearney	3	0
453	Winona State U.	3	0
454	Gallaudet U.	2	2
455	Oberlin C.	2	0
456	PA State U. Beaver	2	1
457	Southwestern OK State U.	2	0
458	U. SC Upstate	2 i	0 i
459	Northern MI U.	1	0
460	Purdue U. North Central	1	0
461	U. WI-Stevens Point	1	1

i = imputed.

^a The Johns Hopkins University includes Applied Physics Laboratory, with \$29,127 in total and \$26,881 in federally financed R&D expenditures in mathematical sciences in FY 2010.

NOTES: Institutions reporting zero expenditures in ranked total for FY 2010 are not listed in this table. Tied institutions are ranked alphabetically. Institutions ranked are geographically separate campuses headed by a campus-level president or chancellor. Some campuses are part of large multicampus universities; some are part of state university systems. For complete listing of campuses that belong to a larger university or system and their aggregate R&D expenditures, see table C-2.

SOURCE: National Science Foundation/National Center for Science and Engineering Statistics, Higher Education Research and Development Survey, FY 2010.