

## Appendix table 5-6

## Top 100 academic institutions in S&amp;E R&amp;D expenditures in S&amp;E fields, ranked by FY 2012 R&amp;D expenditures: FYs 2005–12

(Dollars in thousands)

Rank	Institution	2005	2006	2007	2008	2009	2010	2011	2012
-	All institutions	45,773,950	47,758,700	49,494,913	51,871,804	54,862,998	58,360,056	61,996,235	62,266,083
1	Johns Hopkins U., The (private) <sup>a</sup>	1,443,792	1,499,977	1,554,103	1,680,927	1,856,270	1,997,252	2,135,547	2,092,999 i
2	U. of Michigan, Ann Arbor (public)	NA	NA	NA	NA	NA	1,128,686	1,212,990	1,247,680
3	U. of Washington-Seattle (public)	NA	NA	NA	NA	NA	995,036	1,112,526	1,065,414
4	U. of California-San Diego (public)	721,035	754,766	798,896	842,027	879,357	937,982	1,003,584	1,065,306
5	U. of California-San Francisco (public)	754,444	796,149	842,840	885,182	947,697	935,509	995,226	1,032,673
6	U. of Wisconsin-Madison (public)	798,099	831,895	840,672	881,777	952,119	940,286	1,022,723	1,030,605
7	Duke U. (private)	630,752	657,080	781,843	766,906	805,021	980,514	1,018,241	1,004,759
8	U. of California-Los Angeles (public)	785,625	811,493	823,083	871,478	889,995	899,677	942,450	969,682
9	U. of North Carolina, Chapel Hill (public)	441,033	443,790	477,231	525,843	646,011	746,828	846,499	864,748
10	Stanford U. (private)	714,897	679,196	687,511	688,225	704,183	810,300	868,393	854,580
11	Columbia U. in the City of New York (private)	535,424	529,945	545,995	548,704	589,575	770,888	841,173	847,809
12	U. of Pittsburgh, Pittsburgh (public)	522,448	530,162	558,566	595,627	623,347	806,014	880,425	839,793
13	U. of Pennsylvania (private)	654,982	676,052	648,247	708,244	726,768	793,523	851,522	813,210
14	U. of Minnesota, Twin Cities (public)	NA	NA	NA	NA	NA	764,916	824,489	806,832
15	Cornell U. (private)	606,804	648,802	641,936	653,996	671,406	747,199	779,809	799,794
16	Pennsylvania State U., University Park and Hershey Medical Center (public)	NA	NA	NA	NA	NA	762,041	776,945	783,894
17	Massachusetts Institute of Technology (private)	580,742	600,748	614,352	659,626	736,102	646,222	693,714	770,367
18	Harvard U. (private)	447,196	453,156	451,276	453,028	462,193	561,703	623,116	753,973
19	Ohio State U. (public)	608,923	652,329	720,206	702,592	716,461	719,574	794,023	720,082
20	U. of California-Davis (public)	546,978	573,002	600,508	642,519	681,618	669,282	698,193	704,999
21	U. of California-Berkeley (public)	554,551	546,035	552,365	591,770	652,474	659,572	670,926	696,904
22	Washington U. in St. Louis (private)	531,846	547,674	572,775	563,967	628,328	693,749	707,404	689,035
23	U. of Texas, M. D. Anderson Cancer Center (public)	383,780	457,696	496,539	558,503	578,788	599,529	663,279	685,814
24	Georgia Institute of Technology (public)	425,386	440,898	472,591	522,136	561,631	611,226	650,588	683,894
25	Texas A&M U., College Station (public)	479,735	492,955	543,888	582,365	630,655	666,516	682,553	669,968
26	Yale U. (private)	431,618	460,075	448,671	487,285	509,452	621,125	654,259	654,824
27	U. of Florida (public)	530,734	565,491	592,835	584,170	592,082	636,607	686,048	649,988
28	U. of Arizona (public)	530,233	535,847	531,753	545,869	565,292	577,958	597,988	615,434
29	Northwestern U. (private)	387,242	419,985	443,345	483,881	515,229	554,228	595,202	602,451
30	U. of Southern California (private)	445,036	450,173	508,138	519,543	533,041	574,366	579,717	593,003
31	U. of Illinois at Urbana-Champaign (public)	499,711	476,198	473,890	501,279	563,710	493,386	522,769	558,022
32	U. of Texas at Austin (public)	410,981	431,398	446,765	493,294	506,369	531,412	558,377	549,312
33	Vanderbilt U. (private)	350,433	376,893	399,149	422,622	431,673	478,345	534,806	533,878
34	Purdue U., West Lafayette (public)	NA	NA	NA	NA	NA	477,145	520,001	528,140
35	U. of Maryland at College Park (public)	338,648	354,244	359,760	395,037	409,190	440,556	485,078	498,417
36	Baylor C. of Medicine (private)	458,694	462,375	438,280	449,301	449,031	447,874	466,061	474,700
37	Emory U. (private)	333,665	345,989	398,383	441,222	449,419	498,309	479,678 i	474,537
38	Michigan State U. (public)	333,735	358,097	360,852	356,767	373,184	399,358	423,678	471,620
39	U. of Alabama at Birmingham, The (public)	318,536	331,436	351,457	404,615	431,732	483,862	497,680	449,108
40	Virginia Polytechnic Institute and State U. (public)	289,994	321,722	366,960	373,281	396,681	393,888	445,302	448,054

Appendix table 5-6

**Top 100 academic institutions in S&E R&D expenditures in S&E fields, ranked by FY 2012 R&D expenditures: FYs 2005–12**

(Dollars in thousands)

Rank	Institution	2005	2006	2007	2008	2009	2010	2011	2012
41	U. of Texas Southwestern Medical Center, Dallas (public)	320,800	333,237	341,090	390,349	402,087	419,220	431,883	435,085
42	U. of Iowa (public)	334,144	346,357	363,243	293,564	329,901	435,118	433,088	432,980
43	Case Western Reserve U. (private)	323,618	369,264	372,374	416,077	415,539	417,805	428,206	430,246
44	U. of Utah (public)	244,691	248,168	247,794	253,891	331,137	375,420	410,392	425,558
45	New York U. (private)	276,198	284,164	297,867	310,699	308,834	343,762	402,327	425,043
46	U. of Colorado, Denver and Anschutz Medical Campus (public)	251,289	258,030	261,580	266,525	352,902	376,917	407,517	422,844
47	Rutgers, The State U. of New Jersey-New Brunswick (public)	NA	NA	NA	NA	NA	407,170	415,502	420,737
48	U. of Maryland at Baltimore (public)	304,396	405,260	358,851	379,407	359,542	355,910	391,685	414,754
49	U. of Chicago (private)	293,970	305,301	322,488	357,278	377,652	432,943	446,512	411,864
50	U. of Cincinnati (public)	286,036	294,150	336,717	344,046	356,752	393,518	419,456	408,294
51	Icahn School of Medicine at Mt. Sinai (private)	225,293	273,216	269,451	296,380	318,407	370,666	405,527	400,680
52	North Carolina State U. (public)	302,596	330,936	331,662	366,137	380,571	357,802	374,446	400,046
53	Scripps Research Institute, The (private)	330,170	367,375	360,511	366,047	382,275	387,298	400,768	398,673
54	U. of South Florida (public)	NA	NA	NA	NA	NA	330,528	343,366	394,694
55	U. of Rochester (private)	345,337	366,658	373,247	375,218	395,358	412,704	428,144	388,401
56	U. of Illinois at Chicago (public)	318,279	332,176	342,421	335,138	341,655	355,581	373,750	381,918
57	U. of Colorado at Boulder (public)	261,429	250,255	259,624	261,123	288,388	335,983	372,034	373,512
58	U. of Virginia, Charlottesville (public)	NA	NA	NA	NA	NA	271,843	377,757	363,569
59	U. of Miami (private)	209,572	213,516	210,534	241,775	248,029	278,664	321,830	361,772
60	California Institute of Technology (private)	265,364	270,269	285,488	272,881	342,455	359,245	374,636	360,834
61	U. of Kentucky (public)	306,653	323,958	331,606	329,354	351,943	350,857	364,175	354,132
62	Arizona State U. (public)	166,923	201,955	224,352	259,503	281,588	296,458	323,567	344,611
63	SUNY Buffalo (public)	267,271	297,909	314,837	329,720	338,283	337,976	337,783	340,930
64	U. of California-Irvine (public)	276,763	300,229	309,554	324,552	325,493	311,105	328,870	335,874
65	Colorado State U., Fort Collins (public)	236,211	253,992	288,497	295,235	304,397	291,621	321,130	335,336
66	Boston U. (private)	246,520	255,615	249,279	255,022	280,814	344,687	348,593	328,968
67	U. of Hawaii at Manoa (public)	230,651	249,635	266,447	271,835	290,707	303,085	318,316	312,311
68	U. of GA (public)	316,806	323,843	332,612	350,299	349,730	274,380	300,388	311,498
69	IN U.-Purdue U. IN (public)	NA	NA	NA	NA	NA	290,490	314,004	308,101
70	Oregon Health & Science U. (public)	266,687	272,174	287,430	301,396	309,675	314,990	334,324	305,360
71	Rockefeller U. (private)	198,719	215,417	233,917	247,505	252,478	265,750	272,491	292,896
72	Yeshiva U. (private)	193,104	189,416	192,199	197,311	193,010	314,240	281,334	289,027
73	Washington State U. (public)	182,677	196,391	210,010	276,806	285,595	285,120	299,905	288,693
74	Louisiana State U., Baton Rouge (public)	236,729	251,115	260,924	273,001	285,699	280,432	281,221	279,019
75	SUNY at Albany, C.of Nanoscale Science and Engineering (public)	NA	NA	NA	NA	NA	NA	248,778	265,473
76	Princeton U. (private)	202,380	188,165	188,732	194,757	200,580	231,862	255,483	264,980
77	U. of Kansas (public)	190,105	195,947	202,129	215,364	225,856	251,992	248,076	256,310
78	U. of Massachusetts, Medical School (public)	176,349	156,452	157,469	178,614	204,033	232,039	262,714	256,090
79	Carnegie Mellon U. (private)	200,297	212,506	197,143	210,619	217,667	221,376	240,956	254,992
80	Iowa State U. (public)	209,545	221,998	217,158	224,368	224,311	243,890	261,016	252,675
81	U. of Connecticut (public)	219,982	215,184	224,679	225,904	225,217	230,387	247,252	250,468

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**Top 100 academic institutions in S&E R&D expenditures in S&E fields, ranked by FY 2012 R&D expenditures: FYs 2005–12**

(Dollars in thousands)

Rank	Institution	2005	2006	2007	2008	2009	2010	2011	2012
82	Dartmouth C. (private)	179,094	200,277	192,846	186,938	189,351	193,608	210,274	243,085
83	Oregon State U. (public)	180,309	189,606	189,368	188,056	209,061	215,400	227,752	239,571
84	Wayne State U. (public)	226,331	220,731	235,186	249,210	251,854	248,753	252,620	239,166
85	U. of Nebraska-Lincoln (public)	200,287	215,850	216,032	229,761	235,492	180,544	220,141	238,471
86	Medical U. of South Carolina (public)	178,086	176,055	184,624	189,369	216,778	224,632	213,346	236,586
87	U. of Texas Health Science Center, Houston (public)	152,631	175,154	191,724	197,252	217,623	240,772	261,172	236,250
88	U. of Missouri, Columbia (public)	220,718	215,240	228,654	244,639	245,058	133,120	130,269	234,975
89	Brown U. (private)	138,262	157,926	152,619	157,670	161,650	201,116	223,455	234,906
90	U. of CA, Santa Barbara (public)	165,014	174,429	191,204	203,719	215,728	217,952	217,877	222,916
91	Mississippi State U. (public)	179,825	189,917	206,207	210,951	216,936	223,032	217,793	222,320
92	SUNY at Stony Brook (public)	212,289	234,635	268,282	189,968	188,472	201,846	206,207	218,209
93	U. of Oklahoma (public)	173,663	178,719	176,825	192,070	197,836	201,187	223,828	217,177
94	U. of New Mexico (public)	178,703	181,223	177,430	197,630	201,769	207,906	217,206	216,218
95	Medical C. of Wisconsin (private)	143,540	147,140	158,171	165,529	176,237	191,816	215,358	209,040
96	Florida State U. (public)	172,858	185,633	189,565	182,314	195,244	208,834	216,869	208,005
97	U. of Medicine & Dentistry of New Jersey (public)	239,778	245,771	236,834	230,347	223,796	230,235	234,354	206,504
98	Woods Hole Oceanographic Institution (private)	117,517	121,888	137,410	150,720	157,289	181,746	198,775	204,352
99	Wake Forest U. (private)	185,152	183,129	185,609	199,915	201,204	192,034	208,460	203,730
100	George Washington U. (private)	107,715	113,982	126,110	157,145	99,945	189,113	189,427	187,652

i = imputed. NA = not available; institution was not surveyed separately.

<sup>a</sup> Johns Hopkins University includes the Applied Physics Laboratory, with \$1,121,483 thousand in total R&D expenditures in S&E fields in FY 2012.

NOTES: Institutions reporting zero expenditures in ranked total for FY 2012 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.

SOURCE: National Science Foundation, National Center for Science and Engineering Statistics, Higher Education Research and Development Survey, 2012.

*Science and Engineering Indicators 2014*