

TABLE 15. Higher education R&D expenditures, ranked by all R&D expenditures, by R&D field: FY 2011

(Dollars in thousands)

Rank	Institution	All R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering	All non-S&E fields
	All institutions	65,073,411	3,167,464	37,232,175	2,371,250	4,779,092	1,119,167	2,044,534	1,131,630	10,045,491	3,182,608
1	Johns Hopkins U. ^a	2,145,308	44,843	862,492	128,153	176,047	5,374	8,026	55,615	854,997	9,761
2	U. MI, Ann Arbor	1,279,123	16,347	758,681	20,720	48,100	22,281	141,559	3	205,299	66,133
3	U. WA, Seattle	1,148,533	179,584	716,925	34,686	52,793	9,379	8,521	3,579	107,059	36,007
4	U. WI, Madison	1,111,642	48,645	685,841	28,344	88,088	7,251	48,203	144	116,207	88,919
5	Duke U.	1,022,207	20,948	860,743	15,111	20,883	23,325	21,157	0	56,074	3,966
6	U. CA, San Diego	1,009,378	139,142	607,235	40,512	61,649	25,418	14,826	5,405	109,397	5,794
7	U. CA, San Francisco	995,226	0	981,233	0	13,993	0	0	0	0	0
8	U. CA, Los Angeles	982,357	17,239	688,596	23,932	75,370	17,347	32,680	19,319	67,967	39,907
9	Stanford U.	907,971	26,141	555,984	30,923	97,040	13,865	22,741	0	121,699	39,578
10	U. Pittsburgh, Pittsburgh	899,386	10,803	770,233	11,355	28,579	9,787	4,783	11,872	33,013	18,961
11	U. PA	886,036	1,565	725,635	18,520	30,065	9,128	20,083	5,679	40,847	34,514
12	Columbia U. in the City of New York	878,900	80,567	602,875	23,374	49,274	7,614	22,484	0	54,985	37,727
13	U. MN, Twin Cities	847,419	13,314	596,968	25,584	37,985	22,779	28,457	2,001	97,401	22,930
14	OH State U.	832,126	10,531	488,033	41,080	32,237	13,326	22,713	19,664	166,439	38,103
15	PA State U., University Park and Hershey Medical Ctr.	794,846	56,439	272,085	53,380	61,155	29,686	28,099	0	276,101	17,901
16	Cornell U.	781,651	18,474	512,797	22,754	93,632	7,603	30,114	1,085	93,350	1,842
17	U. NC, Chapel Hill	767,450	27,505	608,845	20,293	35,595	10,791	59,544	47	0	4,830
18	U. FL	739,931	8,147	506,886	9,397	35,696	9,584	19,838	3,706	92,794	53,883
19	Washington U., St. Louis	725,039	11,474	644,264	5,532	15,998	7,804	1,362	1,056	19,914	17,635
20	MA Institute of Technology	723,610	39,735	118,854	58,420	115,445	2,080	11,345	42,793	305,042	29,896
21	U. CA, Berkeley	707,945	13,338	213,475	6,435	90,463	10,401	47,310	125,217	164,287	37,019
22	U. CA, Davis	707,896	27,710	507,389	13,215	29,308	4,210	23,258	6,248	86,855	9,703
23	TX A&M U., College Station	705,720	131,467	187,666	21,236	46,309	4,338	13,040	14,732	263,765	23,167
24	U. TX, M. D. Anderson Cancer Ctr.	663,279	0	591,925	20,185	16,181	22,452	12,536	0	0	0
25	Yale U.	656,967	5,699	548,310	9,774	38,897	10,335	7,155	0	34,089	2,708
26	GA Institute of Technology	655,375	14,886	22,936	86,076	46,568	6,773	14,500	7,355	451,494	4,787
27	Harvard U.	649,774	20,473	409,498	7,500	61,983	5,821	28,472	46,654	42,715	26,658
28	U. TX, Austin	632,171	70,809	69,952	82,180	97,738	8,988	17,350	6,659	204,701	73,794
29	Northwestern U.	618,980	1,571	431,951	2,828	43,403	3,880	12,185	17,860	81,524	23,778
30	U. AZ	610,565	29,602	288,857	13,168	175,930	3,625	20,195	8,301	58,310	12,577
31	U. Southern CA	603,294	18,363	365,641	103,747	15,186	8,303	12,132	225	56,120	23,577
32	Purdue U., West Lafayette	578,231	7,122	201,714	23,311	32,914	4,809	29,972	3,210	216,949	58,230
33	Vanderbilt U.	566,031	802	429,408	1,476	34,148	13,821	5,055	1,638	48,458	31,225
34	Emory U.	547,316	533 i	443,284 i	1,132 i	14,787 i	3,547 i	1,421 i	53,388 i	4,808 i	24,416 i
35	U. IL, Urbana-Champaign	545,669	8,140	200,604	72,959	61,153	16,045	15,108	1,505	147,255	22,900

TABLE 15. Higher education R&D expenditures, ranked by all R&D expenditures, by R&D field: FY 2011

(Dollars in thousands)

Rank	Institution	All R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering	All non-S&E fields
36	U. AL, Birmingham	503,698	1,289	469,004	2,167	3,599	2,758	1,307	0	17,556	6,018
37	U. MD, College Park	495,382	24,608	94,346	46,423	104,202	6,566	92,005	0	116,928	10,304
38	Baylor C. of Medicine	466,061	0	466,061	0	0	0	0	0	0	0
39	MI State U.	454,248	11,510	230,658	11,976	76,294	7,153	33,975	9,497	42,703	30,482
40	U. Chicago	453,562	7,708	312,729	55,526	59,605	7,796	3,148	0	0	7,050
41	VA Polytechnic Institute and State U.	450,058	8,795	185,871	16,609	23,209	4,497	10,535	975	194,811	4,756
42	U. Cincinnati	448,936	965	359,824	1,175	7,465	2,090	7,121	1,459	39,357	29,480
43	U. IA	443,893	2,033	336,969	3,164	27,777	8,635	8,386	1,111	45,013	10,805
44	Rutgers, State U. NJ, New Brunswick	432,306	26,594	181,364	24,244	56,386	15,595	48,706	3,124	59,489	16,804
45	U. TX, Southwestern Medical Ctr., Dallas	431,883	0	431,883	0	0	0	0	0	0	0
46	NY U.	430,752	801	345,541	17,665	12,952	17,826	7,542	0	0	28,425
47	Case Western Reserve U.	429,206	975	370,354	819	11,827	1,338	2,743	0	40,150	1,000
48	U. Rochester	429,034	711	302,678	3,625	16,016	17,643	287	436	86,748	890
49	U. CO, Denver and Anschutz Medical Campus	417,587	272	400,466	1,299	634	465	526	1,585	2,270	10,070
50	U. UT	414,316	9,261	265,135	28,203	30,893	1,576	3,384	0	71,940	3,924
51	U. MD, Baltimore	409,665	2,446	383,161	0	0	0	0	0	6,078	17,980
52	Scripps Research Institute	400,768	0	400,768	0	0	0	0	0	0	0
53	U. South FL, Tampa	394,963	21,120	255,965	3,242	8,006	13,855	8,643	613	31,922	51,597
54	U. CO, Boulder	390,677	94,557	38,454	11,748	96,858	17,105	14,946	2,386	95,980	18,643
55	WA State U.	388,974	8,841	213,894	2,253	25,605	2,250	47,172	7,437	56,226	25,296
56	U. IL, Chicago	380,828	2,657	291,341	12,317	15,054	10,848	10,103	12,591	18,839	7,078
57	NC State U.	378,154	15,004	181,985	27,697	19,343	2,014	11,133	3,592	113,678	3,708
58	CA Institute of Technology	377,514	15,167	58,440	15,646	225,641	0	0	10,959	48,783	2,878
59	U. KY	372,932	4,875	257,364	6,490	10,873	12,112	10,751	9,733	51,977	8,757
60	Mt. Sinai School of Medicine	363,091	0	363,091	0	0	0	0	0	0	0
61	Boston U.	355,916	5,590	232,481	7,154	34,041	11,226	3,054	14,224	40,823	7,323
62	AZ State U.	355,215	24,428	68,576	14,486	23,778	12,726	36,198	50,251	93,124	31,648
63	SUNY, U. Buffalo	353,172	3,504	233,442	16,510	16,516	5,857	4,862	1,334	55,758	15,389
64	U. CA, Irvine	344,678	7,651	208,600	17,562	37,354	7,825	10,823	334	38,721	15,808
65	Brown U.	344,090	9,523	109,473	24,611	25,437	4,088	18,210	5,266	26,847	120,635
66	OR Health and Science U.	334,324	0	300,461	33,863	0	0	0	0	0	0
67	CO State U., Ft. Collins	330,784	126,631	124,871	5,785	12,267	5,028	6,984	4,177	35,387	9,654
68	U. Miami	323,486	57,387	240,873	1,416	2,534	13,057	621	0	5,942	1,656
69	IN U.-Purdue U., Indianapolis	322,617	1,401	284,351	1,965	1,306	1,767	7,119	5,975	10,120	8,613
70	U. HI, Manoa	318,316	86,166	119,293	22,499	45,083	209	7,833	29,205	8,028	0
71	U. KS	302,668	21,435	210,124	2,100	18,192	1,474	4,196	1,341	15,305	28,501
72	U. VA, Charlottesville	292,106	3,370	199,385	7,088	21,260	7,575	2,106	235	46,240	4,847
73	LA State U., Baton Rouge	287,841	31,805	158,403	5,776	22,216	1,581	8,597	17,185	35,658	6,620

TABLE 15. Higher education R&D expenditures, ranked by all R&D expenditures, by R&D field: FY 2011

(Dollars in thousands)

Rank	Institution	All R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering	All non-S&E fields
74	Yeshiva U.	283,673	0	282,650	0	377	646	0	0	0	0
75	Rockefeller U.	272,491	540	255,539	7,383	9,029	0	0	0	0	0
76	IA State U.	267,641	6,332	129,576	18,536	19,199	1,327	16,302	5,173	64,571	6,625
77	Princeton U.	263,335	25,586	52,061	19,927	49,344	8,909	18,766	530	80,360	7,852
78	U. MA, Medical School	262,714	0	262,714	0	0	0	0	0	0	0
79	U. TX, Health Science Ctr., Houston	261,172	0	261,172	0	0	0	0	0	0	0
80	Wayne State U.	259,895	456	191,134	3,378	21,757	4,993	4,228	4,906	21,768	7,275
81	U. CT	253,792	8,829	158,512	4,271	10,129	23,165	5,134	6,880	30,332	6,540
82	SUNY, U. Albany, C. Nanoscale Science and Engineering	248,778	0	2,224	0	0	0	0	0	246,554	0
83	U. GA	245,166	12,200	181,928	3,791	7,001	14,896	9,413	2,497	7,868	5,572
84	Carnegie Mellon U.	242,882	1,932	15,242	98,968	11,946	9,829	6,016	3,570	93,453	1,926
85	U. NE, Lincoln	235,296	5,179	102,655	12,196	19,528	12,791	12,903	12,561	42,328	15,155
86	U. of Medicine and Dentistry of NJ	234,354	0	234,354	0	0	0	0	0	0	0
87	U. MO, Columbia	230,957	1,520	95,695	3,356	5,742	1,122	3,998	0	18,836	100,688
88	U. CA, Santa Barbara	230,435	25,769	26,064	10,798	40,049	8,125	13,602	3,761	89,709	12,558
89	FL State U.	230,411	21,435	37,591	13,184	70,453	22,933	9,624	1,446	40,203	13,542
90	OR State U.	228,814	48,673	124,408	3,762	4,800	168	4,716	12,136	29,089	1,062
91	MS State U.	226,070	9,228	104,978	12,357	6,490	2,731	18,131	7,391	56,487	8,277
92	U. NM	220,565	7,181	128,924	5,652	12,912	11,906	7,425	10,893	32,313	3,359
93	Medical C. WI	215,358	0	215,358	0	0	0	0	0	0	0
94	Medical U. SC	213,346	0	213,346	0	0	0	0	0	0	0
95	SUNY, Stony Brook U.	211,356	29,096	91,529	14,723	32,086	8,087	3,650	6,652	20,384	5,149
96	Dartmouth C.	210,631	2,059	160,579	3,285	9,823	6,336	1,827	4,150	22,215	357
97	Wake Forest U.	209,134	0	203,820	646	3,519	390	85	0	0	674
98	VA Commonwealth U.	207,756	572	146,867	2,150	5,499	4,004	2,972	18,879	4,623	22,190
99	U. SC, Columbia	201,592	11,795	76,233	4,307	22,440	5,559	4,802	0	71,684	4,772
100	Woods Hole Oceanographic Institution	198,775	149,491	0	0	0	0	0	0	49,284	0
101	U. TX, Health Science Ctr., San Antonio	198,655	0	198,655	0	0	0	0	0	0	0
102	George Washington U.	197,621	1,155	125,181	6,487	4,232	4,880	29,373	5,267	12,852	8,194
103	U. Louisville	197,438	415	131,605	1,014	2,836	2,102	1,256	0	27,690	30,520
104	U. TX, Medical Branch	193,555	0	181,706	0	0	0	0	0	11,849	0
105	U. OK	189,506	37,759	74,359	2,432	12,654	2,142	7,288	0	27,403	25,469
106	IN U., Bloomington	184,096	3,373	43,388	22,373	40,963	15,162	29,909	4,870	0	24,058
107	U. MA, Amherst	181,297	4,122	58,946	20,657	34,761	5,166	5,123	1,101	46,669	4,752
108	Uniformed Services U. of the Health Sciences	175,365	0	162,954	0	0	12,411	0	0	0	0
109	U. AK, Fairbanks	175,246	60,591	24,896	12,478	6,634	0	1,721	14,218	12,070	42,638
110	UT State U.	174,167	2,951	60,660	1,954	7,393	6,512	1,068	2,327	89,698	1,604

TABLE 15. Higher education R&D expenditures, ranked by all R&D expenditures, by R&D field: FY 2011

(Dollars in thousands)

Rank	Institution	All R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering	All non-S&E fields
111	Tulane U.	171,703	2,178	139,920	2,184	2,698	602	2,475	0	4,473	17,173
112	Georgetown U.	169,916	0	143,818	618	5,134	1,424	13,307	0	0	5,615
113	U. DE	169,746	22,443	39,305	9,063	19,371	4,306	10,610	861	54,544	9,243
114	KS State U.	169,167	679	109,978	3,626	11,320	2,307	5,420	5,799	24,365	5,673
115	U. TN, Knoxville	167,456	7,252	18,175	26,545	17,990	1,047	5,794	14,809	60,202	15,642
116	WV U.	166,420	6,731	97,008	1,077	8,008	525	2,453	2,501	40,903	7,214
117	Clemson U.	166,350	0	48,207	7,207	10,233	1,394	6,796	615	61,229	30,669
118	Auburn U., Auburn	163,335	2,011	90,565	499	5,578	536	3,519	5,356	53,721	1,550
119	OK State U., Stillwater	162,786	3,655	64,650	4,104	8,670	1,541	6,973	14,665	58,528	0
120	Tufts U.	156,395	79	122,550	2,641	6,845	4,351	1,966	0	16,328	1,635
121	U. CA, Santa Cruz	155,617	20,910	18,300	6,088	38,058	529	5,942	619	59,256	5,915
122	TX Tech U.	149,399	13,301	32,884	7,576	10,183	1,338	14,078	0	35,288	34,751
123	SUNY, U. Albany	148,625	6,031	119,469	3,692	2,982	2,106	12,707	0	0	1,638
124	U. NH	143,002	68,712	24,114	348	2,681	546	7,292	1,808	22,847	14,654
125	NM State U.	139,062	2,932	35,369	4,981	17,794	417	349	4,752	70,707	1,761
126	U. Notre Dame	134,410	217	22,914	7,798	23,502	3,809	3,245	11,397	48,584	12,944
127	ND State U.	134,064	565	74,545	3,054	16,461	2,895	14,118	3,529	17,550	1,347
128	U. NE, Medical Ctr.	133,036	0	133,036	0	0	0	0	0	0	0
129	U. VT	132,356	1,905	107,674	904	2,381	3,082	309	4,139	11,713	249
130	U. CA, Riverside	132,238	10,355	66,138	4,519	14,143	2,532	3,292	1,450	23,473	6,336
131	U. MS and U. MS Medical Ctr.	132,164	7,110	93,447	521	15,795	205	429	0	5,173	9,484
132	Temple U.	126,478	488	81,812	3,814	9,940	11,591	2,142	0	7,344	9,347
133	MT State U., Bozeman	125,966	3,681	52,013	1,587	20,705	135	2,416	10,307	23,400	11,722
134	U. AR for Medical Sciences	122,066	0	122,066	0	0	0	0	0	0	0
135	U. AR, Fayetteville	120,007	2,814	65,185	297	13,621	387	3,649	0	24,357	9,697
136	Drexel U.	115,020	0	53,123	3,300	3,866	3,593	471	0	45,376	5,291
137	U. Houston	113,709	8,447	21,773	10,564	10,996	10,172	2,579	0	33,700	15,478
138	U. ME	111,600	20,002	31,622	1,829	5,118	937	5,921	8,440	37,260	471
139	Rice U.	110,235	3,636	12,194	17,809	24,837	900	2,461	5,510	41,850	1,038
140	FL International U.	110,006	8,922	36,001	7,048	5,068	4,608	13,067	0	23,090	12,202
141	U. Central FL	109,190	10,070	8,541	942	20,397	842	5,579	20,457	30,481	11,881
142	San Diego State U.	106,591	2,799	38,075	6,681	6,061	18,694	7,164	2,400	9,915	14,802
143	Thomas Jefferson U.	104,923	0	104,923	0	0	0	0	0	0	0
144	U. OR	103,019	4,468	37,582	6,893	19,853	9,734	7,010	0	1,621	15,858
145	U. RI	102,630	37,742	32,753	1,350	5,574	86	152	16,762	6,783	1,428
146	Old Dominion U.	102,192	8,542	15,125	5,777	10,268	3,004	3,176	1,979	32,825	21,496
147	Naval Postgraduate School	101,363	14,474	0	21,212	11,105	0	7,518	22,835	18,009	6,210
148	NJ Institute of Technology	100,491	0	644	10,427	14,818	0	510	15,290	47,561	11,241

TABLE 15. Higher education R&D expenditures, ranked by all R&D expenditures, by R&D field: FY 2011

(Dollars in thousands)

Rank	Institution	All R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering	All non-S&E fields
149	U. ID	96,229	6,077	58,173	2,676	3,237	86	3,010	4,222	16,864	1,884
150	Cold Spring Harbor Lab.	95,984	0	95,984	0	0	0	0	0	0	0
151	U. TX, Dallas	93,230	1,754	19,577	7,027	12,701	3,152	4,722	0	40,834	3,463
152	GA State U.	92,725	253	18,828	2,132	8,993	6,146	11,423	6,446	0	38,504
153	U. MD, Baltimore County	91,657	31,662	9,737	7,276	10,203	2,195	10,638	1,813	9,631	8,502
154	U. Dayton	90,557	280	1,181	1,056	105	22	28	543	85,822	1,520
155	U. NV, Reno	89,740	12,017	34,025	1,466	8,184	314	2,931	11,251	16,184	3,368
156	George Mason U.	88,089	8,150	14,517	10,048	7,650	5,861	24,837	0	9,221	7,805
157	Northeastern U.	86,783	863	23,717	5,325	14,942	1,990	4,189	0	30,204	5,553
158	Rensselaer Polytechnic Institute	84,834	2,060	2,740	9,107	13,704	3,085	510	0	53,140	488
159	Syracuse U.	83,686	1,977	3,725	8,380	7,874	4,713	10,916	2,482	16,531	27,088
160	U. TN, Health Science Ctr.	81,220	0	80,599	0	0	0	0	38	579	4
161	Rush U.	79,212	0	76,385	0	0	2,827	0	0	0	0
162	U. AL, Huntsville	75,724	6,885	1,532	19,205	8,782	25	4,604	0	31,955	2,736
163	TX A&M Health Science Ctr.	74,957	0	73,687	0	8	36	984	0	242	0
164	Brandeis U.	74,889	0	30,462	1,728	8,534	2,702	16,618	11,594	0	3,251
165	U. ND	74,882	12,365	16,670	59	1,598	7	128	1,618	42,191	246
166	U. Toledo	74,149	3,564	35,302	313	14,300	613	186	0	15,886	3,985
167	U. TX, El Paso	74,069	3,613	16,573	8,911	6,913	4,350	2,456	1,973	22,787	6,493
168	U.S. Air Force Academy	73,607	0	676	1,599	5,629	0	1,300	0	61,081	3,322
169	GA Health Sciences U.	73,486	0	73,486	0	0	0	0	0	0	0
170	SUNY, U. Binghamton	72,539	1,260	6,164	5,493	6,751	9,445	11,200	0	25,503	6,723
171	U. TX, Arlington	72,483	1,128	3,823	5,891	9,803	2,638	300	60	36,360	12,480
172	Southern IL U., Carbondale	71,130	1,340	49,956	1,018	3,898	902	1,937	2,381	9,698	0
173	MI Technological U.	70,089	12,661	2,639	3,087	5,054	0	833	1,265	40,510	4,040
174	U. LA, Lafayette	69,978	1,270	32,018	11,276	1,739	279	3,234	1,308	5,189	13,665
175	SD State U.	69,680	3,724	50,004	234	2,752	0	2,720	0	10,212	34
176	U. WI, Milwaukee	65,648	10,025	10,380	2,353	11,276	2,139	3,860	3,120	13,692	8,803
177	U. Akron	65,536	372	3,436	1,433	18,192	1,553	2,918	0	28,344	9,288
178	U. PR, Medical Sciences Campus	64,017	0	64,017	0	0	0	0	0	0	0
179	U. CA, Office of the President	63,420	1	29,960	1,639	13,781	0	0	18,039	0	0
180	U. TN, Institute of Agriculture	62,786	0	49,389	0	0	0	5,604	1,725	6,068	0
181	FL Atlantic U.	62,024	1,256	23,119	2,205	4,138	3,903	2,413	0	9,993	14,997
182	CUNY, City C.	60,648	3,403	12,072	1,695	8,791	1,354	642	0	28,777	3,914
183	U. MT	60,159	1,750	44,246	520	2,500	286	3,675	6,640	0	542
184	U. MA, Lowell	60,013	2,353	12,361	2,751	12,440	361	4,340	2,356	18,295	4,756
185	Portland State U.	58,975	4,002	3,142	3,024	9,513	1,124	13,019	120	7,748	17,283

TABLE 15. Higher education R&D expenditures, ranked by all R&D expenditures, by R&D field: FY 2011

(Dollars in thousands)

Rank	Institution	All R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering	All non-S&E fields
186	C. of William and Mary and VA Institute of Marine Science	58,919	30,071	3,326	1,834	8,508	530	3,688	878	0	10,084
187	TX Tech U., Health Sciences Ctr.	58,774	0	58,774	0	0	0	0	0	0	0
188	U. TX, San Antonio	58,667	772	21,737	7,863	3,785	432	3,880	1,833	10,194	8,171
189	OH U.	57,643	1,394	11,062	136	8,782	1,868	561	0	19,596	14,244
190	U. WY	57,549	19,131	19,753	1,275	5,114	394	2,067	812	6,774	2,229
191	U. MA, Boston	57,040	5,326	8,278	1,715	1,440	7,035	7,845	0	225	25,176
192	LA State U., Health Sciences Ctr., New Orleans	57,007	0	57,007	0	0	0	0	0	0	0
193	Cleveland State U.	55,502	279	40,038	134	898	55	2,263	0	11,377	458
194	U. AL, Tuscaloosa	53,633	1,397	5,892	6,131	7,849	2,796	3,057	0	25,479	1,032
195	FL A&M U.	53,326	3,237	18,104	2,670	4,465	13	1,460	1,213	2,557	19,607
196	St. Louis U.	53,179	628	47,678	59	1,844	458	59	0	1,408	1,045
197	Boston C.	52,253	8,945	8,243	666	9,825	2,214	553	0	0	21,807
198	Wichita State U.	50,194	37	2,298	461	1,234	845	248	0	44,910	161
199	U. MD, Ctr. for Environmental Science	50,007	50,007	0	0	0	0	0	0	0	0
200	Jackson State U.	49,998	220	3,851	1,589	15,626	119	2,694	9,614	6,154	10,131
201	CO School of Mines	48,704	8,229	0	957	7,026	0	140	104	29,360	2,888
202	Wright State U.	48,501	953	22,559	4,828	3,756	1,772	50	1,535	13,015	33
203	U. Memphis	48,321	4,662	4,644	4,319	3,020	8,295	5,590	2,872	5,913	9,006
204	American U.	46,611	195	411	988	2,665	1,108	12,845	0	0	28,399
205	U. Southern MS	46,591	15,497	7,742	765	15,266	334	1,717	3,445	441	1,384
206	U. North TX, Health Science Ctr.	45,943	0	45,943	0	0	0	0	0	0	0
207	IL Institute of Technology	44,463	0	10,134	1,915	3,923	2,028	0	1	22,198	4,264
208	NM Institute of Mining and Technology	43,857	7,538	399	833	14,370	0	0	5,404	15,313	0
209	U. HI, Hilo	42,983	5,381	22,298	132	56	317	1,425	0	0	13,374
210	Loyola U., Chicago	42,708	4	37,933	433	626	453	1,402	143	0	1,714
211	U. North TX, Denton	42,475	1,369	11,585	3,166	7,797	855	2,118	21	7,510	8,054
212	Howard U.	42,341	2,747	24,258	941	4,186	2,529	1,631	0	5,179	870
213	U. South AL	42,233	2,327	30,248	118	1,297	286	666	0	2,033	5,258
214	SUNY, Health Science Ctr. Brooklyn	41,993	0	41,993	0	0	0	0	0	0	0
215	Stevens Institute of Technology	41,622	2,033	0	1,676	947	0	0	0	35,317	1,649
216	MO U. of Science and Technology	41,581	2,882	333	562	3,145	9	5	0	29,389	5,256
217	San Jose State U.	40,149	11,233	2,771	550	2,491	14,356	414	10	2,250	6,074
218	SUNY, Upstate Medical U.	39,988	0	39,988	0	0	0	0	0	0	0
219	CUNY, Hunter C.	39,772	1,963	12,720	835	8,082	8,318	3,727	0	0	4,127
220	U. NV, Las Vegas	39,526	13,069	5,807	963	6,874	742	4,265	0	5,991	1,815

TABLE 15. Higher education R&D expenditures, ranked by all R&D expenditures, by R&D field: FY 2011

(Dollars in thousands)

Rank	Institution	All R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering	All non-S&E fields
221	Loma Linda U.	39,409	1,302	35,699	0	0	168	0	0	0	2,240
222	Touro C.	39,406	0	39,406 i	0	0	0	0	0	0	0
223	Brigham Young U., Provo	37,142	611	7,308	2,036	5,803	471	1,750	0	12,001	7,162
224	Eastern VA Medical School	36,569	0	36,569	0	0	0	0	0	0	0
225	Rutgers, State U. NJ, Newark	35,774	1,338	14,175	1,091	2,164	2,605	9,615	633	93	4,060
226	U. New Orleans	35,359	3,586	1,150	1,441	7,640	1,015	3,640	412	4,406	12,069
227	Desert Research Institute	35,331	34,478	828	0	0	0	25	0	0	0
228	NC Agricultural and Technical State U.	34,930	162	16,762	1,263	2,927	0	525	420	12,666	205
229	Rochester Institute of Technology	34,889	2,119	376	1,822	9,360	67	1,111	0	14,854	5,180
230	U. PR, Mayaguez	34,424	8,672	3,188	1,088	4,105	0	244	24	16,188	915
231	Morehouse School of Medicine	33,946	0	33,946	0	0	0	0	0	0	0
232	Southern IL U., Edwardsville	33,736	1,582	21,563	1,030	1,679	0	1,136	2,458	3,870	418
233	TX State U., San Marcos	33,487	4,875	3,419	1,588	2,293	291	853	3,930	1,994	14,244
234	U. MO, Kansas City	32,769	383	20,618	991	2,517	1,293	462	0	736	5,769
235	U. PR, Rio Piedras	32,582	3,253	8,871	187	15,161	1,600	1,062	0	5	2,443
236	Lehigh U.	32,086	1,147	1,808	2,018	5,873	347	328	0	18,118	2,447
237	SD School of Mines and Technology	32,070	551	0	76	1,312	0	52	0	30,019	60
238	AL A&M U.	32,063 i	0 i	12,182 i	219 i	14,442 i	0 i	2,815 i	0 i	2,185 i	220 i
239	Air Force Institute of Technology	31,879	857	0	6,676	6,357	0	33	0	16,167	1,789
240	Creighton U.	31,443	44	27,985	0	878	0	0	0	0	2,536
241	LA State U., Medical Ctr., Shreveport	31,021	0	31,021	0	0	0	0	0	0	0
242	Northern AZ U.	30,785	7,164	16,935	147	1,282	173	741	786	1,353	2,204
243	Meharry Medical C.	29,055	0	29,055	0	0	0	0	0	0	0
244	Mercer U.	29,039	0	6,336	10	97	0	80	463	22,012	41
245	U. SD	28,959	0	16,274	609	6,263	814	670	0	691	3,638
246	SUNY, C. of Environmental Science and Forestry	28,289 i	8,375 i	7,994 i	0 i	3,396 i	0 i	238 i	0 i	8,286 i	0 i
247	CA State U., Fullerton	28,186	1,170	6,405	1,497	1,726	180	2,418	12	922	13,856
248	East Carolina U.	28,114	1,997	19,464	83	1,336	2,061	354	0	432	2,387
249	LA Tech U.	27,583	0	1,999	4,755	2,665	326	116	0	11,780	5,942
250	U. NC, Charlotte	27,533	1,089	4,674	6,506	3,108	492	2,665	0	5,789	3,210
251	Kent State U.	27,455	571	5,081	1,049	10,858	2,935	3,289	115	490	3,067
252	NY Medical C.	27,316	0	27,316	0	0	0	0	0	0	0
253	Marshall U.	26,723	20	18,718	0	869	0	182	0	6,479	455
254	San Francisco State U.	26,198	6,242	10,984	1,894	2,219	2,193	1,201	0	1,039	426
255	U. NC, Greensboro	26,121	0	7,265	376	2,422	2,433	3,734	0	0	9,891
256	Miami U.	26,093	673	6,804	0	3,335	1,345	995	0	1,643	11,298
257	CA State U., Northridge	25,654	1,388	3,248	534	2,492	761	600	0	772	15,859

TABLE 15. Higher education R&D expenditures, ranked by all R&D expenditures, by R&D field: FY 2011

(Dollars in thousands)

Rank	Institution	All R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering	All non-S&E fields
258	U. MA, Dartmouth	25,644	11,107	2,021	1,027	2,622	555	620	8	5,748	1,936
259	Catholic U. America	25,397	0	1,700	36	19,687	640	468	0	2,402	464
260	Western MI U.	25,051	1,633	2,192	2,170	3,920	844	744	0	4,372	9,176
261	Southern Methodist U.	24,453	6,594	1,404	2,154	3,336	2,111	247	791	5,371	2,445
262	Boise State U.	24,204	5,176	6,728	506	1,114	0	1,020	348	8,627	685
263	U. MN, Duluth	23,400	15,520	2,203	422	1,620	75	242	5	2,214	1,099
264	U. Tulsa	23,320	372	533	4,144	1,317	493	30	0	15,645	786
265	CUNY, Queens C.	23,219	697	10,813	594	1,661	2,677	1,424	4,965	0	388
266	U. NC, Wilmington	22,593	7,974	9,756	870	664	161	532	0	4	2,632
267	Charles R. Drew U. of Medicine and Science	22,150	0	22,150	0	0	0	0	0	0	0
268	Worcester Polytechnic Institute	22,137	0	904	4,128	1,437	0	1,479	0	12,699	1,490
269	U. of the VI	21,994	0	15,717 i	0	0	0	0	5,656	0	621 i
270	Northern IL U.	21,748	1,554	2,895	515	2,250	1,060	4,767	0	4,631	4,076
271	U. West FL	21,710	387	1,377	713	546	187	341	0	0	18,159
272	ID State U.	21,450	2,158	5,527	859	8,519	235	608	187	2,954	403
273	U. CA, Merced	21,328	1,916	4,739	352	3,119	701	1,181	70	8,229	1,021
274	Albany Medical C.	20,876	0	20,876	0	0	0	0	0	0	0
275	Marquette U.	19,876	0	6,767	700	2,571	269	101	0	6,117	3,351
276	DE State U.	19,019	1,138	12,231	1,875	2,710	32	7	0	0	1,026
277	Ball State U.	18,765	67	2,896	811	279	73	4,923	0	110	9,606
278	U. AK, Anchorage	18,620	1,992	5,622	0	82	0	1,689	1,801	1,194	6,240
279	U. MO, St. Louis	18,461	44	5,808	179	3,152	2,008	1,153	0	0	6,117
280	Teachers C., Columbia U.	18,406	0	1,621	203	0	5,236	10,399	0	0	947
281	Fordham U.	18,350	14	2,123	58	15	1,886	398	0	0	13,856
282	Clarkson U.	17,951	0	1,264	1,125	2,771	7	172	0	12,433	179
283	IL State U.	17,833	157	2,500	547	1,395	16	711	166	0	12,341
284	TX A&M U., Corpus Christi	17,509	10,184	2,911	874	206	16	182	688	85	2,363
285	TX A&M U., Kingsville	17,114	867	10,499	0	434	35	0	172	2,565	2,542
286	FL Gulf Coast U.	17,051	1,344	1,401	5	244	0	332	25	260	13,440
287	U. Denver	17,004	0	1,867	558	3,255	4,114	105	0	3,119	3,986
288	U. Southern ME	16,938	154	4,994	1,424	274	0	248	46	96	9,702
289	Duquesne U.	16,814	0	8,129	1,118	4,352	0	4	0	0	3,211
290	CA Polytechnic State U., San Luis Obispo	16,532	2,751	4,099	1,439	1,201	91	368	848	4,692	1,043
291	CA State U., Sacramento	16,344	95	2,681	85	201	513	2,965	1,220	6,062	2,522
292	CA State U., Long Beach	16,319 i	555 i	4,189 i	130 i	1,036 i	2,231 i	325 i	1,442 i	5,607 i	804 i
293	Embry-Riddle Aeronautical U.	16,289	500	234	136	260	0	8	0	9,567	5,584
294	Oakland U.	15,868	0	4,590	106	4,368	173	68	0	5,420	1,143
295	Tuskegee U.	15,685	0	10,107	0	284	0	2,322	0	1,608	1,364

TABLE 15. Higher education R&D expenditures, ranked by all R&D expenditures, by R&D field: FY 2011

(Dollars in thousands)

Rank	Institution	All R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering	All non-S&E fields
296	Prairie View A&M U.	15,243	0	9,456	489	1,062	10	123	8	4,078	17
297	Fayetteville State U.	14,618	0	1,303	492	168	0	301	0	114	12,240
298	FL Institute of Technology	14,523	1,567	1,895	799	2,843	367	0	0	2,278	4,774
299	Rosalind Franklin U. of Medicine and Science	14,261	0	13,846	0	0	415	0	0	0	0
300	U.S. Military Academy	13,799	111	82	1,161	1,011	0	6,012	0	3,937	1,485
301	Northeast OH Medical U.	13,581	0	13,076	0	0	0	505	0	0	0
302	TN State U.	13,468	0	8,400	34	1,073	82	5	0	2,367	1,507
303	AR State U., Jonesboro	13,435	0	10,712	307	2,033	93	16	0	178	96
304	TN Technological U.	13,247	16	1,437	560	211	500	7	0	9,601	915
305	Polytechnic Institute of NY U.	13,222	0	171	385	1,317	0	0	0	11,349	0
306	Morgan State U.	12,803	612	2,282	546	513	0	1,178	0	7,413	259
307	Hampton U.	12,414	3,079	1,233	534	6,912	0	0	0	534	122
308	Baylor U.	12,343	1,166	1,122	1,057	3,051	674	1,376	511	1,320	2,066
309	AL State U.	12,340	0	12,340	0	0	0	0	0	0	0
310	Nova Southeastern U.	12,322	5,470	6,107	0	0	335	0	0	0	410
311	U. AR, Little Rock	12,039	466	2,237	2,632	3,488	11	92	0	2,394	719
312	CUNY, Graduate Ctr.	11,974	60	219	269	273	100	3,822	221	0	7,010
313	Purdue U., Calumet	11,946	0	1,500	171	288	227	84	29	1,426	8,221
314	Eastern MI U.	11,643	957	1,132	0	153	0	1,225	0	1,577	6,599
315	CA State U., San Bernardino	11,591	299	1,076	2,353	185	1,835	1,137	0	381	4,325
316	Alcorn State U.	11,397	99	7,050	657	0	0	3,531	0	60	0
317	U.S. Naval Academy	10,543	280	0	1,285	2,783	0	301	0	5,894	0
318	Ponce School of Medicine	10,502	0	10,502	0	0	0	0	0	0	0
319	Elizabeth City State U.	10,455	159	0	7,974	2,096	0	0	0	0	226
320	Tarleton State U.	10,426	2,949	6,656	30	56	7	7	0	15	706
321	Wesleyan U.	10,367	337	3,564	455	3,284	1,266	450	0	0	1,011
322	East TN State U.	10,249	137	7,687	203	435	543	102	0	389	753
323	Villanova U.	10,044	1 i	598 i	579 i	719 i	180 i	142 i	0 i	7,521 i	304 i
324	Fairfield U.	9,892	0	607	264	561	208	579	0	501	7,172
325	Xavier U. LA	9,849	0	5,530	519	3,649	12	66	0	60	13
326	Wheeling Jesuit U.	9,825	102	3,792	2	236	0	0	0	0	5,693
327	Humboldt State U.	9,570	1,495	4,823	377	0	96	1,355	0	1,374	50
328	U. NE, Omaha	9,509	46	2,435	2,614	317	162	1,308	121	900	1,606
329	Western WA U.	9,498	2,941	1,206	43	1,625	463	199	918	343	1,760
330	NC Central U.	9,496	100	7,543	360	1,040	0	0	0	0	453
331	U. AR, Pine Bluff	9,415	0	8,370	452	328	0	10	255	0	0
332	U. North FL	9,379	20	1,023	183	833	72	294	8	6,340	606
333	CUNY, Brooklyn C.	9,306	228	3,059	702	1,991	1,109	560	1,057	0	600

TABLE 15. Higher education R&D expenditures, ranked by all R&D expenditures, by R&D field: FY 2011

(Dollars in thousands)

Rank	Institution	All R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering	All non-S&E fields
334	Dillard U.	9,256 i	1,627 i	1,337 i	36 i	616 i	1 i	226 i	0 i	13 i	5,400 i
335	U. TN, Chattanooga	9,251	153	481	171	299	0	26	791	5,387	1,943
336	Bowling Green State U.	8,999	788	760	4	4,108	350	2,111	0	713	165
337	IN U.-Purdue U., Ft. Wayne	8,864	14	3,574	15	46	1	663	18	875	3,658
338	CA State U., Los Angeles	8,823	117	1,881	23	2,441	799	153	0	3,268	141
339	U. TX, Pan American	8,672	137	2,025	1,185	768	6	496	0	2,641	1,414
340	Central MI U.	8,671	487	3,019	268	1,199	598	283	0	11	2,806
341	U. MD, Eastern Shore	8,664	2,511	5,851	39	17	20	200	0	26	0
342	CA State U., Fresno	8,597	228	7,019	59	650	0	0	0	340	301
343	VA State U.	8,562	0	5,522	241	0	517	76	0	1,738	468
344	Lincoln U., Jefferson City	8,518	1,355	5,952	0	264	914	33	0	0	0
345	Bryn Mawr C.	8,388	211	474	1,151	1,097	603	1,262	9	0	3,581
346	Western KY U.	8,344	495	1,323	5	6,075	5	100	0	0	341
347	C. Charleston	8,320	2,525	1,246	410	1,384	411	270	200	0	1,874
348	Clark Atlanta U.	8,245	0	3,799	292	3,565	0	500	0	49	40
349	West Chester U. PA	8,103	1,769	589	109	5,142	168	8	0	0	318
350	Morehouse C.	8,063 i	0 i	1,248 i	141 i	590 i	419 i	1,442 i	3,890 i	119 i	214 i
351	RI C.	8,027	0	545	314	151	1,174	132	0	0	5,711
352	Seton Hall U.	7,701	0	2,699	0	537	11	2,313	0	0	2,141
353	U. MI, Dearborn	7,554	0	64	262	269	4	321	0	6,105	529
354	SC State U.	7,533 i	1,110 i	2,447 i	0 i	370 i	0 i	0 i	902 i	2,703 i	1 i
355	U. Central del Caribe	7,515	0	7,515	0	0	0	0	0	0	0
356	U. TX, Brownsville	7,491	112	2,345	623	3,699	0	5	87	88	532
357	U. CO, Colorado Springs	7,425	321	811	971	640	619	0	17	3,556	490
358	James Madison U.	7,303	1,925	856	1,289	874	276	416	598	841	228
359	Wellesley C.	7,242	56	778	234	774	0	328	1,960	0	3,112
360	Southern U. and A&M C., Baton Rouge	7,215 i	3,047 i	379 i	80 i	1,532 i	0 i	1,097 i	402 i	678 i	0 i
361	CA State Polytechnic U., Pomona	7,198	172	3,544	0	145	290	150	0	436	2,461
362	Gallaudet U.	7,161	75	2,083	2	35	920	122	1,114	53	2,757
363	St. Edward's U.	7,160	1,025	1,024	0	1,031	0	219	0	0	3,861
364	Norfolk State U.	7,140	17	304	2,005	1,202	0	0	0	3,402	210
365	U. WI, Stevens Point	7,115 i	4,205 i	1,109 i	2 i	1,254 i	3 i	33 i	16 i	389 i	104 i
366	U. del Turabo	7,098	27	255	0	0	0	0	0	128	6,688
367	CA State U., Monterey Bay	6,959	3,166	3,608	74	18	0	62	0	31	0
368	Clark U.	6,861	2,397	852	27	1,497	1,003	148	108	0	829
369	MT Tech of U. MT	6,705	2,590	577	62	319	0	0	0	3,157	0
370	Claremont Graduate U.	6,589	0	0	250	0	0	850	0	0	5,489

TABLE 15. Higher education R&D expenditures, ranked by all R&D expenditures, by R&D field: FY 2011

(Dollars in thousands)

Rank	Institution	All R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering	All non-S&E fields
371	Loyola Marymount U.	6,455	117	323	246	466	270	125	0	2,391	2,517
372	TX Southern U.	6,318	0	2,747	74	936	0	0	266	232	2,063
373	CUNY, John Jay C. of Criminal Justice	6,205	0	316	202	353	1,494	1,760	0	0	2,080
374	U. WI, Superior	6,187 i	822 i	16 i	1 i	0 i	0 i	1,046 i	0 i	4,302 i	0 i
375	Cheyney U. PA	6,157	0	0	0	1,297	0	2,216 i	869 i	0	1,775
376	Southern U. Agriculture Research and Extension Ctr.	6,143	370	5,773	0	0	0	0	0	0	0
377	CA State U., San Marcos	6,140 i	186 i	3,725 i	99 i	27 i	0 i	1,126 i	0 i	141 i	836 i
378	Alfred U.	6,084	38	0	0	91	992	0	0	4,825	138
379	Stephen F. Austin State U.	6,046	428	2,834	176	180	4	99	943	0	1,382
380	U. Baltimore	5,944	2	0	0	0	0	4,408	42	0	1,492
381	New School	5,868	3	1	773	0	686	1,731	69	14	2,591
382	West TX A&M U.	5,847	664	2,372	141	20	56	0	4	1,050	1,540
383	Sam Houston State U.	5,816	15	1,124	418	450	488	126	16	0	3,179
384	DePaul U.	5,798	153	151	1,437	802	2,596	117	0	0	542
385	U. GU	5,626	1,497	3,905	0	0	0	75	0	0	149
386	TX Christian U.	5,595	582	581	31	535	2,056	8	0	48	1,754
387	MO State U.	5,584	277	3,340	11	711	2	20	0	1,215	8
388	Clafflin U.	5,439	0	2,511	112	2,579	0	0	0	0	237
389	Carleton C.	5,382	1,106	365	649	953	0	8	0	0	2,301
390	Claremont McKenna C.	5,316	247	454	75	120	960	2,451	118	0	891
391	Grand Valley State U.	5,305 i	2,538 i	1,143 i	42 i	317 i	12 i	1 i	744 i	422 i	86 i
392	Langston U.	5,206	0	5,206	0	0	0	0	0	0	0
393	Winthrop U.	5,089	0	574	110	658	0	8	0	0	3,739
394	Kettering U.	5,087	0	0	13	46	0	0	0	4,877	151
395	Rutgers, State U. NJ, Camden	5,079	0	791	419	7	265	819	491	0	2,287
396	Drew U.	5,077	1,551	899	32	2,365	134	0	0	0	96
397	Bucknell U.	5,043	290	737	258	676	6	35	69	2,547	425
398	Middle TN State U.	4,969	138	740	299	574	1	634	0	439	2,144
399	Palmer C. of Chiropractic, Davenport	4,861	0	4,861	0	0	0	0	0	0	0
400	Fisk U.	4,849	0	0	0	4,631	0	0	0	0	218
401	Lamar U.	4,762	101	146	549	156	0	0	0	3,733	77
402	Youngstown State U.	4,732	1	66	72	3,646	8	357	18	457	107
403	U. of the Pacific	4,704	14	1,198	8	365	0	622	110	924	1,463
404	Allen U.	4,673 i	482 i	1,285 i	536 i	1,270 i	333 i	169 i	61 i	260 i	277 i
405	Macalester C.	4,653	442	736	381	821	196	767	0	0	1,310
406	Amherst C.	4,623	109	680	170	1,922	105	244	0	0	1,393
407	KY State U.	4,562	74	4,419	33	2	0	14	0	17	3

TABLE 15. Higher education R&D expenditures, ranked by all R&D expenditures, by R&D field: FY 2011

(Dollars in thousands)

Rank	Institution	All R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering	All non-S&E fields
408	Smith C.	4,529	370	1,059	872	483	480	217	6	669	373
409	Williams C.	4,513	464	817	1,062	1,018	187	617	0	0	348
410	Milwaukee School of Engineering	4,472	0	1,033	0	59	0	0	0	3,255	125
411	U. DC	4,422	174	2,008	283	438	40	424	0	333	722
412	U. WI, La Crosse	4,373 i	17 i	1,588 i	51 i	1,096 i	2 i	495 i	55 i	742 i	327 i
413	U. Northern IA	4,248	246	437	3	926	29	1,322	488	0	797
414	CUNY, C. Staten Island	4,188	9	267	356	1,416	20	9	0	85	2,026
415	Hope C.	4,185	20	119	1,030	2,265	66	0	4	101	580
416	WV State U.	4,176	137	3,618	181	0	0	41	0	199	0
417	Southern CT State U.	4,083	0 i	0 i	127 i	772 i	0 i	0 i	0 i	0 i	3,184 i
418	U. Richmond	4,064	61	254	1,180	1,214	322	20	0	0	1,013
419	Barnard C.	4,046	469	334	210	969	1,624	310	0	0	130
420	Midwestern U., Downers Grove	4,022	0	4,022	0	0	0	0	0	0	0
421	U. New England	4,016	1,357	2,251	0	67	0	341	0	0	0
422	U. South FL, St. Petersburg	3,978	213	0	0	0	58	93	0	0	3,614
423	GA Southern U.	3,912	32	1,633	122	884	5	122	246	461	407
424	Eastern WA U.	3,910	21	711	15	320	179	2,524	0	10	130
425	Harvey Mudd C.	3,861	0	431	1,363	649	0	0	618	769	31
426	Ft. Valley State U.	3,850	0	3,207	346	297	0	0	0	0	0
427	Appalachian State U.	3,835	978	1,778	64	582	0	96	0	0	337
428	Central State U.	3,821	208	1,108	242	164	164	175	0	1,633	127
429	Eastern KY U.	3,782	256	2,713	60	84	0	56	0	0	613
430	CUNY, Lehman C.	3,762	26	1,836	605	295	153	253	0	0	594
431	SUNY, C. of Optometry	3,738	0	3,738	0	0	0	0	0	0	0
432	Pace U.	3,732	1,410	444	336	519	0	0	0	0	1,023
433	Plymouth State U.	3,729	2,086 i	487 i	1 i	0 i	0 i	730 i	0 i	0 i	425 i
434	Murray State U.	3,718	170	1,805	162	167	1	1	0	1,407	5
435	Pomona C.	3,640	492	743	254	856	296	474	0	0	525
436	Montclair State U.	3,621	683	1,351	679	49	134	427	50	0	248
437	Azusa Pacific U.	3,620	65 i	1,712 i	58 i	109 i	31 i	1,072 i	58 i	283 i	232 i
438	Long Island U.	3,595 i	103 i	2,851 i	0 i	141 i	197 i	8 i	156 i	0 i	139 i
439	Towson U.	3,574	52	1,304	1,069	249	306	590	0	0	4
440	Chapman U.	3,547	0	823	15	1,025	0	235	0	0	1,449
441	U. of the Sciences Philadelphia	3,504	0	1,410	0	828	0	76	0	0	1,190
442	Albany C. of Pharmacy and Health Sciences	3,496	0	3,496	0	0	0	0	0	0	0
443	U. San Diego	3,483	301	1,329	0	347	5	292	0	66	1,143
444	PA State U., Harrisburg	3,460	1	7	523	15	107	1,536	0	1,257	14
445	Franklin and Marshall C.	3,439	331	1,086	169	1,275	112	167	0	0	299

TABLE 15. Higher education R&D expenditures, ranked by all R&D expenditures, by R&D field: FY 2011

(Dollars in thousands)

Rank	Institution	All R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering	All non-S&E fields
446	St. Cloud State U.	3,404	61	1,258	169	102	0	267	93	42	1,412
447	Lawrence Technological U.	3,348	0	868	21	0	0	0	0	2,269	190
448	Nicholls State U.	3,321	235	2,077	2	21	0	0	384	0	602
449	Mt. Holyoke C.	3,317	666	389	350	1,013	225	167	0	0	507
450	Rowan U.	3,247	0	10	153	699	22	3	111	2,187	62
451	PA State U., Erie	3,183	1,158	40	40	80	41	379	0	986	459
452	Sul Ross State U.	3,183	100	2,200	0	33	0	768	0	0	82
453	CA State U., Bakersfield	3,162	0	2,886	15	229	0	0	0	0	32
454	U. NC, Asheville	3,157	1,524	213	394	362	0	110	0	0	554
455	National U.	3,134	108 i	1,233 i	139 i	369 i	73 i	184 i	14 i	256 i	758 i
456	TX A&M International U.	3,121	114	248	8	220	10	149	253	334	1,785
457	Calvin C.	3,113	186	574	262	715	33	133	0	142	1,068
458	Hamilton C.	3,109	337	46	552	489	37	15	0	0	1,633
459	St. Joseph's U.	3,073	0	842	27	14	556	137	264	0	1,233
460	Benedict C.	3,009	931	556	162	307	0	86	0	967	0
461	CA Maritime Academy	3,005	10 i	179 i	155 i	330 i	3 i	196 i	83 i	2,049 i	0
462	Swarthmore C.	2,994	0	740	104	629	166	469	0	256	630
463	TX Woman's U.	2,919	0	2,197	21	179	9	68	102	0	343
464	Bowdoin C.	2,877	487	1,402	203	201	0	340	0	0	244
465	Central WA U.	2,858	1,389	351	2	330	139	615	0	28	4
466	U. WA, Bothell	2,857	0	0	10	0	0	0	0	487	2,360
467	St. Francis U.	2,823	0	2,823	0	0	0	0	0	0	0
468	U. Central AR	2,821	0	944	164	342	2	5	0	0	1,364
469	OK State U. Ctr. for Health Sciences	2,815	0	2,676	0	0	0	0	139	0	0
470	U. LA, Monroe	2,812	63	2,380	0	44	0	314	0	0	11
471	CA State U., Dominguez Hills	2,780	14	727	1,084	154	336	465	0	0	0
472	Lewis and Clark C.	2,778	46	880	92	376	40	70	0	0	1,274
473	U. TX, Tyler	2,766	71	475	118	60	6	81	0	1,583	372
474	Haverford C.	2,765	0 i	1,323 i	73 i	1,065 i	164 i	140 i	0 i	0 i	0 i
475	Tougaloo C.	2,753	0	2,542	0	0	0	0	0	0	211
476	U. West GA	2,711	444	97	119	379	69	210	0	0	1,393
477	Savannah State U.	2,700	1,317	1,174	194	9	0	6	0	0	0
478	CA State U., Chico	2,684	297	1,135	1	42	0	80	0	733	396
479	SUNY, C. Geneseo	2,677	165	223	26	1,605	183	37	0	0	438
480	U. San Francisco	2,668	389	271	38	0	0	72	964	0	934
481	MN State U., Mankato	2,654	538	57	20	122	0	15	0	1,238	664
482	CUNY, Baruch C.	2,645	86	132	28	222	445	425	0	4	1,303
483	Roger Williams U.	2,627	198	1,322	0	24	0	0	72	0	1,011

TABLE 15. Higher education R&D expenditures, ranked by all R&D expenditures, by R&D field: FY 2011

(Dollars in thousands)

Rank	Institution	All R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering	All non-S&E fields
484	SUNY, Buffalo State C.	2,539	317	349	7	125	90	1,644	0	0	7
485	Northwest Indian C.	2,483 i	1,300 i	1,135 i	0 i	0 i	0 i	48 i	0 i	0 i	0 i
486	Hofstra U.	2,472	72	358	144	176	252	55	0	38	1,377
487	Edward Via C. of Osteopathic Medicine	2,453	0	2,453	0	0	0	0	0	0	0
488	Lafayette C.	2,426	67	178	201	162	37	123	0	952	706
489	U. Hartford	2,419	0	46	45	0	0	154	254	1,915	5
490	Middlebury C.	2,408	518	746	131	454	270	215	0	24	50
491	Santa Clara U.	2,407	0	570	14	294	30	125	0	1,294	80
492	Philadelphia C. of Osteopathic Medicine	2,401	0	2,358	0	0	43	0	0	0	0
493	Northern KY U.	2,397	0	1,149	208	543	304	10	0	0	183
494	U. Metropolitana	2,387	1,065	341	334	0	0	0	0	0	647
495	U. WI, Oshkosh	2,384	94	1,393	35	162	0	61	102	0	537
496	Louis V. Gerstner Jr. Graduate School of Biomedical Sciences at Memorial Sloan-Kettering Cancer Ctr.	2,342	0	2,342	0	0	0	0	0	0	0
497	Keck Graduate Institute	2,313	0	2,313	0	0	0	0	0	0	0
498	Colgate U.	2,291	366	462	253	584	157	287	0	0	182
499	Keene State C.	2,290	357	346	0	282	14	21	9	0	1,261
500	Spelman C.	2,273	0	1,015	95	678	0	0	45	0	440
501	TX A&M U., Commerce	2,242	0	228	141	812	135	0	0	0	926
502	Mills C.	2,237	0	199	0	11	0	0	0	0	2,027
503	U. NE, Kearney	2,199	13	1,589	20	512	3	0	0	0	62
504	Shaw U.	2,193	21	1,371	0	377	0	0	0	0	424
505	Furman U.	2,184	20	271	27	1,514	168	23	0	0	161
506	Austin Peay State U.	2,180	8	701	20	867	0	7	0	0	577
507	CUNY, York C.	2,180	0	889	13	1,034	5	193	0	0	46
508	Coastal Carolina U.	2,162	1,744	102	0	153	0	36	0	0	127
509	Grambling State U.	2,135	0	0	0	2,085	0	0	0	0	50
510	Bastyr U.	2,121	0	2,121	0	0	0	0	0	0	0
511	Skidmore C.	2,113	125	320	21	1,240	195	40	0	0	172
512	Wabash C.	2,098	0	112	34	132	52	0	0	0	1,768
513	Wiley C.	2,098	0	199	200	15	0	0	0	0	1,684
514	U. Northern CO	2,078	192	683	94	432	223	177	0	0	277
515	CUNY, Medgar Evers C.	2,065	143	275	104	863	0	544	0	0	136
516	NY Institute of Technology	2,059	0	950	775	0	0	0	0	209	125
517	Dickinson C.	2,050	628	341	30	201	74	34	0	0	742
518	Morehead State U.	2,018	0	688	62	448	94	431	267	10	18

TABLE 15. Higher education R&D expenditures, ranked by all R&D expenditures, by R&D field: FY 2011

(Dollars in thousands)

Rank	Institution	All R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering	All non-S&E fields
519	Chicago State U.	2,014	25	920	0	1,069	0	0	0	0	0
520	U. New Haven	2,009	132	0	44	0	0	0	0	419	1,414
521	U. IL, Springfield	2,002	0	80	0	9	0	1,447	0	0	466
522	Western OR U.	1,986	0	34	0	0	0	229	0	0	1,723
523	IN State U.	1,980	254	1,213	0	130	62	156	0	165	0
524	Davidson C.	1,977	0	399	116	224	336	733	0	0	169
525	U. PR, Humacao	1,976	0	145	0	1,831	0	0	0	0	0
526	Kennesaw State U.	1,961	0	848	23	184	0	319	0	0	587
527	Monmouth U.	1,956	404	30	1,510	12	0	0	0	0	0
528	Southeastern LA U.	1,952	0	1,127	171	320	11	9	0	0	314
529	Willamette U.	1,940	116	390	48	402	25	173	7	0	779
530	East Central U.	1,937	176 i	674 i	122 i	212 i	115 i	87 i	55 i	161 i	335 i
531	St. Bonaventure U.	1,936	0	472	34	81	1	0	0	0	1,348
532	Trinity C., Hartford	1,934	9	825	300	124	90	69	0	32	485
533	A. T. Still U. of Health Sciences	1,925	0	1,925	0	0	0	0	0	0	0
534	Pepperdine U.	1,924	0 i	530 i	10 i	15 i	0 i	154 i	0 i	8 i	1,207 i
535	Bowie State U.	1,910	439	213	1,258	0	0	0	0	0	0
536	Bradley U.	1,910	0	153	151	101	10	7	1	1,433	54
537	Bates C.	1,897	392	607	65	582	56	29	0	83	83
538	Arcadia U.	1,888	0	167	134	18	0	469	0	0	1,100
539	West Liberty U.	1,869	0	260	0	0	0	50	0	0	1,559
540	Salisbury U.	1,852	441	226	11	60	15	127	0	0	972
541	Reed C.	1,839	0	686	52	465	265	296	75	0	0
542	Vassar C.	1,838	36	309	392	505	9	288	0	13	286
543	Gonzaga U.	1,819	0	748	114	160	0	0	0	674	123
544	LA State U., Shreveport	1,816	0	885	369	266	0	0	0	0	296
545	Occidental C.	1,809	158	446	74	573	85	467	0	0	6
546	Columbus State U.	1,808	168	20	1,544	0	0	0	0	0	76
547	CT C.	1,801	0	537	125	1,072	0	67	0	0	0
548	St. John's U., New York City	1,786	0	302	0	908	484	3	0	0	89
549	Touro U., Vallejo	1,779	0	1,196	0	0	0	0	0	0	583
550	Colby C.	1,772	99	377	164	589	156	143	0	0	244
551	Western U. of Health Sciences	1,768	0	900	0	0	0	0	0	0	868
552	Barnes-Jewish C. Goldfarb School of Nursing	1,767	52 i	1,173 i	56 i	111 i	26 i	44 i	26 i	190 i	89 i
553	New England C. of Optometry	1,751	0	1,751	0	0	0	0	0	0	0
554	Northwestern Health Sciences U.	1,747	0	1,548	0	0	0	0	0	0	199
555	U. Houston, Clear Lake	1,746	666	145	66	311	51	12	0	22	473

TABLE 15. Higher education R&D expenditures, ranked by all R&D expenditures, by R&D field: FY 2011

(Dollars in thousands)

Rank	Institution	All R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering	All non-S&E fields
556	Indiana U. PA	1,736	88	328	16	198	14	323	0	0	769
557	Siena C.	1,714	0	368	0	1,221	0	0	125	0	0
558	Oberlin C.	1,710	278	447	144	660	13	110	0	0	58
559	Pittsburg State U.	1,687	0	184	0	87	0	0	0	1,416	0
560	Rider U.	1,672	23	259	42	2	35	12	0	0	1,299
561	Christopher Newport U.	1,669	0	892	0	761	7	9	0	0	0
562	Niagara U.	1,656	0	197	3	329	34	220	0	0	873
563	CA State U., East Bay	1,644	261	530	238	532	0	83	0	0	0
564	Black Hills State U.	1,643	0	934	0	259	28	0	342	5	75
565	Seattle Pacific U.	1,633	32	183	21	68	16	0	0	0	1,313
566	Suffolk U.	1,624	0	18	113	51	43	537	0	85	777
567	Daemen C.	1,615 i	0 i	543 i	0 i	0 i	0 i	0 i	0 i	0 i	1,072 i
568	Union C., Schenectady	1,615	194	175	206	397	71	118	0	366	88
569	Norwich U.	1,583	164 i	695 i	23 i	141 i	125 i	36 i	3 i	255 i	141 i
570	Augustana C., Sioux Falls	1,578	0	544	687	347	0	0	0	0	0
571	Hobart and William Smith Colleges	1,566	796	122	0	413	0	24	0	0	211
572	McNeese State U.	1,561	358	184	40	119	135	159	0	229	337
573	Philadelphia U.	1,561	0	0	0	0	0	0	1,561	0	0
574	U. Central OK	1,548	0	296	38	19	9	435	0	740	11
575	Hampshire C.	1,530	151	5	86	1,174	0	114	0	0	0
576	Western IL U.	1,528	41	875	0	303	0	204	55	46	4
577	Elon U.	1,523	52 i	546 i	73 i	170 i	35 i	105 i	7 i	131 i	404 i
578	NM Highlands U.	1,498	171	320	0	953	0	0	0	0	54
579	Kean U.	1,497	0	550	0	0	0	0	0	0	947
580	Salus U.	1,493	0	1,493	0	0	0	0	0	0	0
581	CA State U., Stanislaus	1,487	88 i	819 i	55 i	113 i	29 i	51 i	25 i	239 i	68 i
582	U. PR, Cayey	1,474	76	0	5	191	0	62	733	0	407
583	U. Detroit Mercy	1,462	0	308	232	384	23	0	0	180	335
584	La Salle U.	1,460	0	49	62	0	95	56	277	0	921
585	Richard Stockton C. NJ	1,455	969	61	142	16	0	38	0	0	229
586	William Paterson U.	1,452	0	223	41	169	86	234	0	0	699
587	Central CT State U.	1,451	3	141	416	165	144	208	0	6	368
588	Stetson U.	1,451	0	0	0	0	9	12	0	3	1,427
589	Western Carolina U.	1,451	344	400	9	288	0	333	0	45	32
590	Columbia C., Chicago	1,441	0	0	859 i	0	0	403 i	0	0	179 i
591	HI Pacific U.	1,436	27	555	6	4	0	0	0	0	844
592	Purdue U., North Central	1,436	0	39	25	41	0	0	0	32	1,299
593	U. Redlands	1,432	1,005	15	0	337	0	0	0	0	75

TABLE 15. Higher education R&D expenditures, ranked by all R&D expenditures, by R&D field: FY 2011

(Dollars in thousands)

Rank	Institution	All R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering	All non-S&E fields
594	Albany State U.	1,416	11	483	35	673	9	0	0	205	0
595	U. WI, Eau Claire	1,406	103	431	87	644	4	5	13	0	119
596	Valparaiso U.	1,390	111	96	124	633	2	2	0	282	140
597	U. of Mary Washington	1,374	79 i	305 i	63 i	0	64 i	38 i	14 i	0	811 i
598	U. WA, Tacoma	1,359	0	0	142	0	0	0	0	0	1,217
599	U. del Este	1,358	0	1,166	0	0	0	0	0	0	192
600	Trinity U.	1,355	112	74	241	707	142	55	0	24	0
601	U. Houston, Downtown	1,351	37	285	186	759	2	0	0	3	79
602	Barry U.	1,350	0	1,331	0	17	0	0	0	0	2
603	Grinnell C.	1,340	0	223	186	363	158	142	0	0	268
604	Lincoln U. of the Commonwealth of PA	1,336	0	492	0	0	0	0	459	0	385
605	Southern OR U.	1,330	465	347	13	0	0	362	0	0	143
606	U. St. Thomas (MN)	1,316	130	598	167	84	0	2	0	56	279
607	Weber State U.	1,314	92	334	20	393	27	3	0	322	123
608	U. WI, Green Bay	1,288 i	1,046 i	0 i	7 i	0 i	0 i	16 i	116 i	0 i	103 i
609	Seattle U.	1,274	0	789	14	310	0	21	0	140	0
610	U. AK, Southeast	1,274	344	305	45	1	0	156	277	19	127
611	Rose-Hulman Institute of Technology	1,268	0	0	173	667	0	0	0	428	0
612	SUNY, C. Old Westbury	1,267 i	0 i	891 i	3 i	161 i	0 i	211 i	0 i	0 i	1 i
613	U. Portland	1,257	2	535	17	357	0	0	0	165	181
614	Saginaw Valley State U.	1,249	6	61	68	377	2	16	175	220	324
615	SUNY, C. Brockport	1,248	366	807	0	69	0	6	0	0	0
616	U. TN, Martin	1,232	0	0	0	0	0	0	1,227	5	0
617	U. TX, Permian Basin	1,232	550	64	0	410	0	0	0	0	208
618	C. Wooster	1,225	374	240	97	295	45	59	0	0	115
619	Erikson Institute	1,212	0	0	0	0	0	0	0	0	1,212
620	Mercyhurst C.	1,206	22	44	8	66	0	266	175	0	625
621	Angelo State U.	1,201	14	916	7	132	10	91	0	0	31
622	CO C.	1,198	228	131	44	115	0	233	0	0	447
623	Northwestern State U. LA	1,189	0	195	0	87	0	903	0	0	4
624	Wheaton C., Wheaton	1,187	15	213	14	490	17	20	0	0	418
625	Augsburg C.	1,179	0	109	9	948	19	28	0	0	66
626	Winston-Salem State U.	1,179	0	743	0	0	0	0	0	0	436
627	Salish Kootenai C.	1,153	259	321	30	5	0	0	0	43	495
628	U. HI, West O'ahu	1,152 i	10 i	36 i	43 i	134 i	0 i	85 i	19 i	753 i	72 i
629	SUNY, Farmingdale State C.	1,144	0	0	0	0	0	0	0	604	540
630	Whitman C.	1,142	0	654	0	440	40	0	0	8	0

TABLE 15. Higher education R&D expenditures, ranked by all R&D expenditures, by R&D field: FY 2011

(Dollars in thousands)

Rank	Institution	All R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering	All non-S&E fields
631	Haskell Indian Nations U.	1,135	91 i	0 i	0 i	941 i	0 i	0 i	0 i	0 i	103 i
632	St. Olaf C.	1,130	0	545	70	404	44	15	0	0	52
633	Pacific U.	1,129	0	802	0	40	15	70	0	0	202
634	Alliant International U.	1,111	31 i	820 i	28 i	0	15 i	49 i	28 i	0	140 i
635	Western New England C.	1,111	0	0	127	0	0	0	0	984	0
636	Governors State U.	1,099	0	707	0	0	0	0	0	0	392
637	IN U., South Bend	1,099	0	176	42	454	124	47	149	0	107
638	SUNY, C. Plattsburgh	1,098	385	523	0	190	0	0	0	0	0
639	Shippensburg U. PA	1,049	29	31	0	5	0	4	0	0	980
640	New C. FL	1,046	0	448	12	505	7	17	0	0	57
641	Evergreen State C.	1,025	639	227	120	39	0	0	0	0	0
642	Ithaca C.	1,025	22	413	118	402	0	8	0	0	62
643	Doane C.	1,022	0	438	0	584	0	0	0	0	0
644	Scripps C.	1,018	79	0	137	121	391	41	0	0	249
645	Sewanee: U. of the South	1,017	71	29	3	728	0	102	0	24	60
646	Franklin W. Olin C. of Engineering	1,016	58	0	50	116	6	1	0	781	4
647	Dakota State U.	1,015	0	0	1,015	0	0	0	0	0	0
648	IL Wesleyan U.	1,014	0	44	1	241	9	363	0	0	356
649	U. NC, Pembroke	998	0	0	0	998	0	0	0	0	0
650	MN State U., Moorhead	982	55 i	537 i	34 i	69 i	18 i	37 i	18 i	161 i	53 i
651	SUNY, C. Oswego	977	222	128	77	44	496	10	0	0	0
652	Hendrix C.	970	0	510	0	387	0	3	0	70	0
653	SUNY, C. Cortland	968	115	120	0	17	86	150	0	0	480
654	Drake U.	966	63	361	13	166	16	25	0	0	322
655	Dine C.	959 i	9 i	24 i	31 i	108 i	0 i	68 i	13 i	658 i	48 i
656	C. of the Holy Cross	957	0	165	136	443	119	0	0	0	94
657	Dominican U. CA	948	48	900	0	0	0	0	0	0	0
658	Agnes Scott C.	938	0	73	5	124	347	34	0	0	355
659	SUNY, C. of Agriculture and Technology, Cobleskill	938	0	0	0	0	0	0	0	909	29
660	Washington and Jefferson C.	932	0	0	0	58	874	0	0	0	0
661	Des Moines U.	924	0	924	0	0	0	0	0	0	0
662	Southern Polytechnic State U.	924	0	7	72	0	0	0	0	129	716
663	U. South FL, Sarasota-Manatee	914	0	4	0	0	21	61	0	0	828
664	Heidelberg U.	913 i	40 i	402 i	46 i	141 i	20 i	33 i	3 i	60 i	168 i
665	U. MN, Morris	899	125	36	1	195	0	116	0	0	426
666	St. John's U., Collegeville	891	10	194	41	225	39	54	0	0	328
667	U. SC, Beaufort	882	0	0	0	0	0	0	882	0	0

TABLE 15. Higher education R&D expenditures, ranked by all R&D expenditures, by R&D field: FY 2011

(Dollars in thousands)

Rank	Institution	All R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering	All non-S&E fields
668	PA State U., Beaver	875	0	0	2	7	0	0	0	0	866
669	C. of St. Benedict	867	10	168	45	190	42	58	0	0	354
670	U. Western States	858	0	858	0	0	0	0	0	0	0
671	Andrews U.	854	0	44	126	16	8	216	0	4	440
672	Fuller Theological Seminary	842	0	0	0	0	842	0	0	0	0
673	Northern MI U.	841	0	277	61	14	34	13	0	6	436
674	Roseman U. of Health Sciences	840	0	0	0	840	0	0	0	0	0
675	MS Valley State U.	830	15	1	181	70	0	0	0	456	107
676	Sinte Gleska U.	826	50	143	138	197	0	95	0	0	203
677	Sonoma State U.	825	289	344	3	73	48	30	0	0	38
678	U. South FL, Polytechnic	824	0	91	0	21	16	48	0	0	648
679	SUNY, Institute of Technology, Utica/Rome	811	0	0	701	0	0	0	0	110	0
680	Mesa State C.	802	40	76	11	15	0	166	52	0	442
681	Albion C.	799	65	62	24	263	43	106	0	0	236
682	LeTourneau U.	796	0	99	0	38	0	0	33	626	0
683	National C. of Natural Medicine	791	0	791	0	0	0	0	0	0	0
684	Southern CA C. of Optometry	789	0	596 i	0	0	0	0	0	0	193 i
685	Rhodes C.	788	0	117	0	100	571	0	0	0	0
686	Loyola U., MD	787	0	124	322	132	0	4	0	9	196
687	Radford U.	784	22	197	55	2	15	75	38	0	380
688	U. WI, Whitewater	782 i	86 i	188 i	1 i	34 i	0 i	78 i	5 i	0 i	390 i
689	Loyola U., New Orleans	779	1	498	0	100	7	37	0	0	136
690	PA State U., Altoona	773	53	159	27	80	0	52	0	226	176
691	U. MI, Flint	767	0	180	1	40	4	11	0	92	439
692	Wilberforce U.	763 i	0 i	222 i	507 i	28 i	0 i	0 i	0 i	6 i	0 i
693	Providence C.	758	0	666	0	0	92	0	0	0	0
694	Lake Superior State U.	752	41	439	0	1	0	2	0	269	0
695	U. SC, Aiken	750	0	0	0	0	0	0	750	0	0
696	Auburn U., Montgomery	749	0	418	35	0	0	5	0	0	291
697	Toyota Technological Institute Chicago	746	0	0	746	0	0	0	0	0	0
698	John Carroll U.	743	0	140	248	16	0	106	72	0	161
699	CA Lutheran U.	741	60	0	0	471	0	135	0	0	75
700	Alverno C.	740	0	0	0	0	0	0	0	0	740
701	St. Michael's C.	734	0	227	125	223	108	20	0	0	31
702	La Sierra U.	732	0	82	6	250	64	29	230	0	71
703	OH Wesleyan U.	719	0	463	24	208	24	0	0	0	0
704	Eastern IL U.	716	14	402	1	195	6	28	13	0	57
705	U. WI, Platteville	715 i	0 i	384 i	0 i	234 i	1 i	29 i	3 i	64 i	0 i

TABLE 15. Higher education R&D expenditures, ranked by all R&D expenditures, by R&D field: FY 2011

(Dollars in thousands)

Rank	Institution	All R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering	All non-S&E fields
706	Truman State U.	710	1	216	271	110	31	11	0	0	70
707	Sojourner-Douglass C.	709	0	709	0	0	0	0	0	0	0
708	Armstrong Atlantic State U.	708	0 i	177 i	165 i	254 i	0 i	0 i	0 i	4 i	108 i
709	Allegheny C.	707	89	8	9	319	1	1	0	0	280
710	Southern U. and A&M C., New Orleans	706	0	284	26	0	0	0	0	0	396
711	Babson C.	696	75	0	23	0	8	261	0	0	329
712	Frostburg State U.	686	2	573	0	0	0	3	0	108	0
713	Gettysburg C.	669	13	78	3	155	34	258	0	0	128
714	Capitol C.	667	22 i	454 i	27 i	54 i	10 i	9 i	6 i	73 i	12 i
715	U. of the Incarnate Word	667	0	259	0	24	0	0	0	19	365
716	Millersville U. PA	665	158	136	211	23	0	95	27	0	15
717	Muhlenberg C.	661	0	219	1	337	17	8	31	0	48
718	Augustana C., Rock Island	659	120	241	6	145	3	21	0	0	123
719	MT State U., Billings	656	26	438	0	8	0	2	0	0	182
720	Northeastern State U.	644	0	350	0	162	0	47	5	0	80
721	Manhattan C.	638	521	0	0	0	0	0	0	0	117
722	Mt. St. Mary's C.	626	0	626	0	0	0	0	0	0	0
723	Jacksonville State U.	624	119	55	12	330	0	29	0	79	0
724	Simmons C.	621	0	236	28	6	0	231	0	0	120
725	Susquehanna U.	613	86	267	3	139	18	58	0	0	42
726	Butler U.	610	12 i	276 i	18 i	53 i	51 i	30 i	2 i	37 i	131 i
727	MGH Institute of Health Professions	607	0	587	0	0	0	0	0	0	20
728	Ft. Lewis C.	606	51	339	0	140	0	2	0	74	0
729	Ursinus C.	594	0	82	197	278	37	0	0	0	0
730	Sitting Bull C.	593	3	590	0	0	0	0	0	0	0
731	U. MN, Rochester	591	0	429	0	0	0	0	130	0	32
732	Minot State U.	590	0	577	0	0	13	0	0	0	0
733	U. North AL	578 i	52 i	201 i	40 i	68 i	39 i	26 i	11 i	49 i	92 i
734	Claremont School of Theology	574	0	0	0	0	0	0	0	0	574
735	Lake Forest C.	573	0	215	14	51	49	92	0	0	152
736	Palo Alto U.	573	0	0	0	0	573	0	0	0	0
737	SUNY, Purchase C.	569	63	0	0	506	0	0	0	0	0
738	St. Mary's U., San Antonio	564	0	0	0	0	0	40	0	147	377
739	Wilkes U.	563	129	284	0	74	0	0	0	76	0
740	RI School of Design	551	289	2	1	0	0	0	0	85	174
741	U. CA, Hastings C. of Law	539 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i	539 i
742	Southwestern OK State U.	538	0	281	3	250	1	0	0	0	3
743	Northeastern IL U.	533	23	61	55	0	235	11	3	0	145

TABLE 15. Higher education R&D expenditures, ranked by all R&D expenditures, by R&D field: FY 2011

(Dollars in thousands)

Rank	Institution	All R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering	All non-S&E fields
744	Benedictine U.	530	0	194	30	306	0	0	0	0	0
745	U. Puget Sound	530	7	182	12	65	4	61	0	0	199
746	WV School of Osteopathic Medicine	528	0	528	0	0	0	0	0	0	0
747	Ashland U.	526 i	17 i	358 i	20 i	44 i	9 i	7 i	4 i	57 i	10 i
748	Emporia State U.	525	0	303	13	133	0	0	12	0	64
749	CA State U., Channel Islands	524	14	6	149	169	0	25	0	0	161 i
750	Bridgewater State C.	521	0	2	7	272	3	23	0	0	214
751	Philander Smith C.	519	53 i	141 i	59 i	141 i	36 i	20 i	7 i	28 i	34 i
752	AK Pacific U.	518	518	0	0	0	0	0	0	0	0
753	Valdosta State U.	512	30	323	27	43	10	21	0	0	58
754	Kalamazoo C.	492	0	47	15	279	8	31	0	0	112
755	U.S. Coast Guard Academy	490	13	0	96	35	0	0	0	346	0
756	Edinboro U. PA	489	383	44	6	0	0	25	0	0	31
757	Abilene Christian U.	487	0	6	12	468	0	0	0	0	1
758	C. NJ	486	11	39	125	110	0	105	0	30	66
759	Elizabethtown C.	485	0	81	0	266	0	0	0	22	116
760	National U. of Health Sciences	485	0	170	0	0	0	0	0	0	315
761	St. Catherine U.	484	0	439	0	29	0	0	0	0	16
762	Northwest Nazarene U.	481	0	422	0	54	5	0	0	0	0
763	Centre C.	478	74	116	23	113	38	35	17	0	62
764	C. of Menominee Nation	477 i	48 i	130 i	53 i	130 i	33 i	19 i	6 i	26 i	32 i
765	Southwestern U.	477	0	101	14	326	6	26	0	0	4
766	Pacific Lutheran U.	471	104	131	0	129	37	40	0	0	30
767	Earlham C.	468	38	142	0	85	0	1	0	0	202
768	Marine Corps U.	468	0	0	0	0	0	468	0	0	0
769	Juniata C.	467	40	167	0	260	0	0	0	0	0
770	MD Institute C. of Art	465	0	0	0	0	0	0	0	0	465
771	U. WI, River Falls	463 i	10 i	129 i	0 i	238 i	0 i	18 i	65 i	0 i	3 i
772	Southeastern OK State U.	462	0	90	0	372	0	0	0	0	0
773	OH Northern U.	458	0	171	7	57	0	1	0	191	31
774	U. WI, Parkside	457	7	114	22	142	0	2	9	0	161
775	Art Ctr. C. of Design	456	0	0	0	0	0	0	0	0	456
776	IN U., New Albany	456	0	8	0	159	0	24	170	0	95
777	Washington and Lee U.	455	68	36	0	208	50	91	0	2	0
778	Mayville State U.	454	0	454	0	0	0	0	0	0	0
779	Roanoke C.	451	0	115	0	75	0	261	0	0	0
780	Paine C.	448	333	0	33	0	28	54	0	0	0

TABLE 15. Higher education R&D expenditures, ranked by all R&D expenditures, by R&D field: FY 2011

(Dollars in thousands)

Rank	Institution	All R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering	All non-S&E fields
781	SUNY, C. Potsdam	447	18	18	57	330	0	0	0	24	0
782	Ramapo C. NJ	445	0	183	150	112	0	0	0	0	0
783	Gannon U.	444	227	15	0	10	0	0	0	189	3
784	U. SC, Spartanburg	439	0	0	0	0	0	0	439	0	0
785	Adelphi U.	438	0	59	88	154	2	8	0	0	127
786	DePauw U.	438	14	141	82	155	11	2	0	0	33
787	Kenyon C.	433	0	358	0	75	0	0	0	0	0
788	Olivet U.	427	0	0	204	0	0	0	0	0	223
789	St. Mary's C. MD	427	0	4	73	279	29	42	0	0	0
790	Winona State U.	426	18	217	4	17	0	0	0	2	168
791	Luther C.	425	10	90	5	236	8	3	0	31	42
792	Bloomsburg U. PA	419	0	84	51	68	55	16	0	55	90
793	Citadel Military C. SC	415	0	99	6	100	58	4	27	11	110
794	U. WI, Stout	412 i	19 i	111 i	16 i	25 i	1 i	7 i	132 i	39 i	62 i
795	AR Tech U.	410	146 i	68 i	0 i	0 i	0 i	0 i	100 i	12 i	84 i
796	ME Maritime Academy	404 i	37 i	141 i	25 i	43 i	23 i	19 i	12 i	33 i	71 i
797	NY Chiropractic C.	404	0	0	0	0	0	0	0	374	30
798	Cooper Union for the Advancement of Science and Art	402	0	0	0	0	0	0	0	402	0
799	Millsaps C.	400	19	231	3	103	0	44	0	0	0
800	Vanguard U.	394	0	0	0	0	0	0	0	0	394
801	Southern C. of Optometry	392	0	392	0	0	0	0	0	0	0
802	Rollins C.	377	8	8	7	128	48	43	0	7	128
803	VA Military Institute	374	0	72	7	112	9	64	0	91	19
804	Messiah C.	365	6 i	82 i	9 i	6	5 i	15 i	1 i	188 i	53 i
805	CO State U., Pueblo	364	0	206	28	88	0	0	0	42	0
806	Baldwin-Wallace C.	360	0	257	0	0	0	33	0	0	70
807	Polytechnic U. PR	360	42	0	55	0	0	0	0	143	120
808	Eastern NM U., Portales	357	0	266	8	39	0	0	0	0	44
809	Eckerd C.	357	309	31	0	0	0	0	0	0	17
810	CUNY, New York City C. of Technology	343	0	3	81	96	3	11	0	90	59
811	SUNY, C. Fredonia	343	0	61	0	213	0	0	0	0	69
812	Sweet Briar C.	339	10	104	15	110	7	3	0	17	73
813	U. VA's C. Wise	336	0	0	0	0	0	0	336	0	0
814	Taylor U.	334	58	17	54	127	0	0	0	49	29
815	Dominican U.	333	0	0	0	0	333	0	0	0	0
816	Widener U., Chester	332	0	17	0	0	2	68	0	125	120
817	Concordia C.	330	0	228	23	73	0	0	0	0	6

TABLE 15. Higher education R&D expenditures, ranked by all R&D expenditures, by R&D field: FY 2011

(Dollars in thousands)

Rank	Institution	All R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering	All non-S&E fields
818	Gustavus Adolphus C.	330	16	43	0	223	5	12	0	0	31
819	Salve Regina U.	322	0	161	0	118	43	0	0	0	0
820	MT State U., Havre	319	0	0	0	0	0	0	0	319	0
821	St. Joseph's C. ME	318 i	140 i	166 i	0 i	12 i	0 i	0 i	0 i	0 i	0 i
822	Bryant U.	316	98	0	12	76	8	12	0	20	90
823	Coe C.	310	0	11	5	220	0	9	0	0	65
824	U. MT, Western	309	46	263	0	0	0	0	0	0	0
825	Marist C.	306	0	0	196	5	0	0	0	0	105
826	Shepherd U.	303	0	117	144	42	0	0	0	0	0
827	IN U., Gary	297	51	47	13	49	13	52	52	0	20
828	Oglala Lakota C.	296	84 i	122 i	16 i	54 i	0	0	0	20	0
829	Mercy C.	293	0	126	6	0	82	79	0	0	0
830	Dickinson State U.	289	129 i	145 i	0 i	0 i	0 i	2 i	0 i	0 i	13 i
831	Bryn Athyn C.	287	0	166 i	8 i	0	9 i	26 i	0	0	78 i
832	Harding U.	284	0	16	157	1	0	0	0	110	0
833	U. Bridgeport	284	0	28	0	0	0	14	0	238	4
834	Hamline U.	283	0	161	0	12	23	29	0	0	58
835	Slippery Rock U. PA	282	242	39	1	0	0	0	0	0	0
836	U. Southern IN	279	10	146	14	16	0	23	0	8	62
837	Jacksonville U.	276	0	156	0	93	0	27	0	0	0
838	PA State U., Great Valley School of Graduate Professional Studies	275	0	0	29	0	0	0	0	194	52
839	Francis Marion U.	274	0	258	0	14	0	0	0	0	2
840	Edison State C.	269 i	2 i	7 i	9 i	30 i	0 i	19 i	4 i	185 i	13 i
841	Washburn U.	269	0	11	0	224	3	1	0	0	30
842	Pitzer C.	268	19 i	107 i	30 i	0 i	36 i	71 i	0 i	0 i	5 i
843	New England School of Acupuncture	266	0	266	0	0	0	0	0	0	0
844	Eastern OR U.	265	0	3	32	230	0	0	0	0	0
845	Kutztown U. PA	263	2	12	0	87	0	128	0	0	34
846	Southern AR U.	259	0	16	4	28	10	34	0	0	167
847	OR Institute of Technology	258	0	30	0	0	0	0	0	228	0
848	SUNY, C. Oneonta	254	49	144	0	23	0	32	0	0	6
849	NE Wesleyan U.	251	1 i	229 i	2 i	4 i	1 i	2 i	0 i	3 i	9 i
850	East Stroudsburg U. PA	250	250	0	0	0	0	0	0	0	0
851	WV Wesleyan C.	250	6	50	0	194	0	0	0	0	0
852	Coker C.	245	0	102	3	59	0	0	0	0	81
853	Marywood U.	243	0	0	0	0	0	0	0	0	243
854	Wittenberg U.	243	10	10	66	105	10	10	0	0	32

TABLE 15. Higher education R&D expenditures, ranked by all R&D expenditures, by R&D field: FY 2011

(Dollars in thousands)

Rank	Institution	All R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering	All non-S&E fields
891	Colby-Sawyer C.	187	0	187	0	0	0	0	0	0	0
892	Southeast MO State U.	187	0	114	1	72	0	0	0	0	0
893	Chicago School of Professional Psychology	186	0	0	0	0	186	0	0	0	0
894	Valley City State U.	185 i	17 i	65 i	12 i	19 i	10 i	7 i	6 i	15 i	34 i
895	Bard C.	183	0	91	92	0	0	0	0	0	0
896	Dowling C.	183	0	100	83	0	0	0	0	0	0
897	SUNY, New Paltz	180	0	39	51	57	0	33	0	0	0
898	Lyon C.	179	18	0	0	0	0	0	0	161	0
899	National Flight Test Institute	177	0	0	0	0	0	0	0	177	0
900	Ferrum C.	176	142	31	0	0	0	0	0	0	3
901	Prescott C.	176	52	124	0	0	0	0	0	0	0
902	Bank Street C. of Ed.	171	0	0	0	0	0	0	0	0	171
903	Goucher C.	170	0	68	0	89	0	0	0	0	13
904	Linfield C.	170	12 i	24 i	7 i	33 i	6 i	15 i	6 i	5 i	62 i
905	U. Dallas	170	0	10	0	97	0	0	0	0	63
906	Bluefield State C.	162	0	162	0	0	0	0	0	0	0
907	U. PR, Ponce	160	0	154	0	0	0	0	0	0	6
908	MS C.	158	0	140	0	13	0	0	0	2	3
909	Regent U.	157	0	0	0	0	0	0	0	0	157
910	Utica C.	157	0	0	0	0	0	157	0	0	0
911	U. MN, Crookston	153	0	40	40	0	0	1	0	0	72
912	PA State U., Berks	151	0	36	0	115	0	0	0	0	0

i = imputed.

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

^a Johns Hopkins University includes Applied Physics Laboratory, with \$1,160,966 thousand in total R&D expenditures in FY 2011.

NOTES: 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 multi-campus universities; some are part of state university systems. For a complete listing of campuses that belong to a larger university or system and their aggregate R&D expenditures, see table A-3.

SOURCE: National Science Foundation/National Center for Science and Engineering Statistics, Higher Education Research and Development Survey, FY 2011.