

TABLE 17. Federally financed higher education R&D expenditures, ranked by all federal R&D expenditures, by R&D field: FY 2011

(Dollars in thousands)

Rank	Institution	All federal 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	40,764,823	2,188,313	23,680,459	1,747,480	3,538,267	816,492	947,386	462,681	6,276,519	1,107,226
1	Johns Hopkins U. ^a	1,884,025	41,651	679,087	118,130	170,038	4,881	6,241	24,509	830,873	8,615
2	U. WA, Seattle	948,976	164,401	580,951	29,695	47,669	8,745	5,354	733	83,851	27,577
3	U. MI, Ann Arbor	820,125	11,015	507,314	11,870	32,723	14,211	88,628	3	135,430	18,931
4	U. PA	707,051	1,400	585,548	16,095	27,242	8,346	15,563	489	34,888	17,480
5	U. Pittsburgh, Pittsburgh	662,471	9,022	571,498	7,008	17,236	8,066	3,899	6,511	23,820	15,411
6	Stanford U.	656,114	9,548	408,105	25,195	73,783	11,031	8,312	0	97,313	22,827
7	Columbia U. in the City of New York	645,233	71,927	439,861	19,567	44,740	6,921	8,303	0	43,654	10,260
8	U. CA, San Diego	636,879	88,516	398,110	20,560	48,437	19,287	5,010	3,462	51,841	1,656
9	U. WI, Madison	593,633	36,912	346,579	20,093	64,787	4,623	23,002	0	72,393	25,244
10	Duke U.	585,262	10,580	474,533	11,755	15,815	14,584	12,045	0	44,849	1,101
11	U. CA, San Francisco	570,116	0	557,341	0	12,775	0	0	0	0	0
12	U. CA, Los Angeles	563,560	11,071	395,006	17,399	56,531	12,427	5,605	6,828	41,015	17,678
13	U. NC, Chapel Hill	561,708	16,137	442,692	15,863	28,456	9,926	46,546	0	0	2,088
14	Harvard U.	543,097	18,078	358,336	7,383	56,860	5,496	11,849	39,082	33,824	12,189
15	Yale U.	519,844	3,599	454,951	6,318	24,495	4,769	3,497	0	20,566	1,649
16	OH State U.	493,130	5,927	318,403	16,049	26,494	10,908	15,455	9,502	68,593	21,799
17	U. MN, Twin Cities	489,480	6,506	340,051	17,751	28,784	18,139	13,767	155	57,486	6,841
18	MA Institute of Technology	489,080	34,146	83,836	42,845	109,254	1,522	4,548	8,292	198,101	6,536
19	Cornell U.	476,583	9,610	277,902	18,867	84,095	3,739	12,679	358	68,913	420
20	Washington U., St. Louis	469,490	8,144	414,585	3,537	12,609	5,696	742	687	14,282	9,208
21	PA State U., University Park and Hershey Medical Ctr.	468,705	32,156	135,562	41,637	38,871	21,713	11,603	0	177,791	9,372
22	Vanderbilt U.	458,173	689	346,378	1,449	29,196	11,610	3,917	1,516	39,458	23,960
23	U. Southern CA	453,283	14,025	264,386	98,962	11,616	7,479	6,917	70	40,003	9,825
24	GA Institute of Technology	427,867	9,874	11,421	60,246	29,905	4,102	5,337	3,170	302,033	1,779
25	Northwestern U.	399,719	854	278,398	2,180	31,930	3,088	5,951	11,742	59,306	6,270
26	U. Chicago	372,288	6,740	245,853	52,584	49,923	7,718	3,006	0	0	6,464
27	Emory U.	369,982	382	345,685	812	8,818	2,968	1,126	5,879	4,275	37
28	U. CA, Davis	362,976	8,078	274,756	9,486	20,464	2,647	7,987	682	35,604	3,272
29	U. TX, Austin	355,437	26,691	46,901	65,473	62,723	7,531	9,414	1,603	113,904	21,197
30	Case Western Reserve U.	353,470	786	310,169	542	8,299	1,196	2,331	0	29,615	532
31	U. AL, Birmingham	344,164	868	318,515	1,886	2,712	2,270	1,045	0	13,046	3,822
32	CA Institute of Technology	342,945	13,810	52,087	13,820	212,607	0	0	5,202	42,605	2,814
33	U. MD, College Park	338,780	21,458	54,149	31,549	80,767	4,955	66,735	0	74,266	4,901
34	U. Rochester	337,907	627	230,635	2,890	13,670	14,680	255	387	74,168	595
35	U. CA, Berkeley	336,191	9,471	116,737	5,576	61,395	6,680	9,214	54,946	62,101	10,071

TABLE 17. Federally financed higher education R&D expenditures, ranked by all federal R&D expenditures, by R&D field: FY 2011

(Dollars in thousands)

Rank	Institution	All federal 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. AZ	327,565	14,239	148,573	10,432	109,315	2,111	9,157	2,390	28,534	2,814
37	U. IL, Urbana-Champaign	323,454	5,852	94,844	49,181	49,408	11,045	4,930	1,016	96,520	10,658
38	U. CO, Boulder	323,078	90,430	29,902	11,466	89,041	15,250	8,077	1,247	68,118	9,547
39	Scripps Research Institute	317,201	0	317,201	0	0	0	0	0	0	0
40	U. CO, Denver and Anschutz Medical Campus	307,395	122	293,055	1,296	632	380	419	1,585	1,741	8,165
41	U. FL	306,349	4,891	203,820	6,691	24,209	6,025	5,823	978	44,513	9,399
42	Boston U.	305,476	5,067	199,937	6,318	30,377	10,367	1,698	12,974	34,185	4,553
43	NY U.	302,221	80	242,000	16,368	11,704	15,464	3,556	0	0	13,049
44	Baylor C. of Medicine	295,529	0	295,529	0	0	0	0	0	0	0
45	Mt. Sinai School of Medicine	295,291	0	295,291	0	0	0	0	0	0	0
46	TX A&M U., College Station	291,812	82,804	69,479	10,018	21,486	3,181	4,408	1,088	88,599	10,749
47	U. Cincinnati	287,182	387	260,805	335	4,567	1,352	1,720	9	16,828	1,179
48	U. IA	283,627	402	222,678	2,735	24,007	6,458	3,418	144	21,147	2,638
49	OR Health and Science U.	268,777	0	239,299	29,478	0	0	0	0	0	0
50	U. UT	264,234	7,416	180,952	18,819	15,603	966	1,674	0	38,193	611
51	Purdue U., West Lafayette	259,948	4,930	78,619	16,079	25,228	4,295	6,370	48	110,547	13,832
52	U. IL, Chicago	248,936	1,337	192,351	9,065	11,438	8,214	5,118	6,038	11,762	3,613
53	U. South FL, Tampa	243,030	11,133	174,300	1,882	4,412	9,777	3,996	565	14,866	22,099
54	MI State U.	240,837	9,929	104,085	7,914	54,200	5,226	13,587	3,493	24,503	17,900
55	Rutgers, State U. NJ, New Brunswick	239,908	15,674	95,925	16,217	42,949	7,285	18,385	393	38,350	4,730
56	CO State U., Ft. Collins	236,566	103,256	80,861	4,852	9,341	4,063	4,404	54	23,830	5,905
57	U. TX, M. D. Anderson Cancer Ctr.	236,400	0	205,200	5,999	9,278	8,735	7,188	0	0	0
58	U. VA, Charlottesville	232,525	2,943	156,886	5,818	18,500	6,817	861	195	35,917	4,588
59	U. TX, Southwestern Medical Ctr., Dallas	231,639	0	231,639	0	0	0	0	0	0	0
60	U. MD, Baltimore	229,706	1,159	225,749	0	0	0	0	0	1,729	1,069
61	U. Miami	225,352	48,838	155,741	1,275	2,311	11,351	445	0	3,909	1,482
62	U. CA, Irvine	209,117	5,682	132,302	11,620	24,732	6,169	3,862	4	19,763	4,983
63	U. MA, Medical School	208,244	0	208,244	0	0	0	0	0	0	0
64	U. HI, Manoa	201,700	61,896	70,813	19,879	26,852	0	2,994	15,334	3,932	0
65	Carnegie Mellon U.	200,967	1,458	12,475	87,849	9,586	8,536	3,825	2,539	74,610	89
66	Yeshiva U.	192,241	0	191,218	0	377	646	0	0	0	0
67	VA Polytechnic Institute and State U.	189,198	4,379	68,163	7,381	11,985	3,036	2,980	673	88,672	1,929
68	AZ State U.	185,766	20,531	39,008	10,262	17,941	10,109	14,268	13,804	52,230	7,613
69	SUNY, U. Buffalo	182,585	2,373	113,541	10,138	9,764	4,193	2,303	0	34,611	5,662
70	U. KY	179,161	3,151	121,494	4,395	5,237	9,824	2,989	2,838	25,873	3,360
71	Wake Forest U.	173,130	0	168,884	646	3,074	367	33	0	0	126
72	U. KS	169,382	10,708	111,278	1,923	15,148	1,207	2,208	1,157	7,095	18,658

TABLE 17. Federally financed higher education R&D expenditures, ranked by all federal R&D expenditures, by R&D field: FY 2011

(Dollars in thousands)

Rank	Institution	All federal R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering	All non-S&E fields
73	Woods Hole Oceanographic Institution	165,819	125,429	0	0	0	0	0	0	40,390	0
74	Princeton U.	163,438	14,742	37,059	14,857	30,937	5,694	8,687	44	50,471	947
75	U. NM	162,854	5,581	97,446	5,198	10,675	9,769	4,162	3,040	26,079	904
76	U. TX, Health Science Ctr., Houston	156,790	0	156,790	0	0	0	0	0	0	0
77	IN U.-Purdue U., Indianapolis	156,607	718	144,077	1,244	755	1,263	1,096	83	5,730	1,641
78	NC State U.	155,293	8,557	54,549	18,370	10,347	1,133	3,902	527	55,405	2,503
79	VA Commonwealth U.	153,228	364	119,305	2,129	4,976	3,464	700	0	3,493	18,797
80	OR State U.	146,882	38,368	67,825	3,214	3,931	140	2,605	10,411	19,575	813
81	U. CT	144,280	5,757	84,174	3,353	7,591	18,031	2,681	171	19,494	3,028
82	Medical U. SC	143,464	0	143,464	0	0	0	0	0	0	0
83	FL State U.	140,850	13,783	25,108	9,506	37,707	15,939	2,833	141	31,315	4,518
84	U. GA	137,328	6,399	98,614	2,809	5,654	11,745	4,509	0	4,543	3,055
85	U. CA, Santa Barbara	136,244	13,320	16,450	7,340	28,645	5,372	6,524	5	54,834	3,754
86	Wayne State U.	134,735	255	105,949	1,797	11,231	2,909	1,377	0	10,407	810
87	Medical C. WI	133,929	0	133,929	0	0	0	0	0	0	0
88	Dartmouth C.	131,583	1,366	101,525	2,210	6,496	4,660	372	2,899	11,990	65
89	Brown U.	128,628	4,477	70,032	14,199	16,312	2,894	3,359	2,951	9,425	4,979
90	U. TX, Medical Branch	128,098	0	124,083	0	0	0	0	0	4,015	0
91	SUNY, U. Albany	125,189	3,322	108,831	2,245	2,367	1,650	6,433	0	0	341
92	SUNY, Stony Brook U.	125,102	13,611	64,760	9,980	19,889	4,801	818	469	10,610	164
93	U. of Medicine and Dentistry of NJ	124,585	0	124,585	0	0	0	0	0	0	0
94	Georgetown U.	123,540	0	113,648	533	4,707	1,263	2,651	0	0	738
95	WA State U.	123,502	1,984	61,507	1,288	16,488	991	12,576	443	20,498	7,727
96	Tufts U.	122,208	75	96,133	2,386	5,963	1,954	904	0	13,449	1,344
97	U. TX, Health Science Ctr., San Antonio	121,200	0	121,200	0	0	0	0	0	0	0
98	U. DE	118,673	15,500	19,139	7,336	16,433	3,796	6,257	635	43,427	6,150
99	Uniformed Services U. of the Health Sciences	117,781	0	109,081	0	0	8,700	0	0	0	0
100	IA State U.	117,522	3,217	51,203	8,120	9,377	131	8,807	270	34,984	1,413
101	George Washington U.	116,611	466	76,789	4,304	2,687	2,638	16,732	4,676	7,171	1,148
102	U. MO, Columbia	116,403	1,477	81,320	2,774	5,560	904	3,402	0	17,635	3,331
103	UT State U.	113,871	1,658	25,620	1,386	5,880	4,883	550	629	72,005	1,260
104	U. TN, Knoxville	111,942	4,881	11,130	23,298	14,155	802	2,647	4,047	38,752	12,230
105	Tulane U.	111,007	2,087	99,052	1,141	2,302	518	1,473	0	3,649	785
106	U. MA, Amherst	107,683	2,278	34,930	14,237	22,750	3,066	2,176	532	26,346	1,368
107	U. NH	106,806	62,223	13,421	339	2,259	453	3,612	1,434	12,811	10,254
108	U. NE, Lincoln	105,724	3,610	40,119	6,756	11,777	8,493	4,726	5,361	23,398	1,484

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(Dollars in thousands)

Rank	Institution	All federal R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering	All non-S&E fields
109	U. AK, Fairbanks	105,522	46,505	18,193	11,944	5,248	0	1,335	10,424	6,989	4,884
110	U. SC, Columbia	103,296	9,116	45,548	4,264	9,045	4,554	4,070	0	23,448	3,251
111	U. VT	101,471	1,498	84,755	731	1,773	3,012	141	2,769	6,786	6
112	MS State U.	98,998	4,663	33,993	6,922	1,637	581	8,212	4,299	37,680	1,011
113	U. CA, Santa Cruz	97,817	12,083	11,318	3,398	16,152	245	2,226	0	49,593	2,802
114	Rockefeller U.	97,710	196	92,043	669	4,802	0	0	0	0	0
115	LA State U., Baton Rouge	97,517	9,950	51,766	3,025	12,412	788	4,147	3,769	10,193	1,467
116	U. Louisville	96,010	262	64,715	968	1,677	1,679	421	0	14,835	11,453
117	U. OK	95,505	18,263	49,831	1,061	8,425	835	1,370	0	8,896	6,824
118	Naval Postgraduate School	94,278	14,105	0	20,730	10,268	0	6,777	20,407	16,663	5,328
119	NM State U.	90,598	979	13,411	4,683	11,748	282	31	2,147	57,002	315
120	Temple U.	89,074	217	60,686	3,122	7,039	8,913	1,456	0	3,148	4,493
121	WV U.	88,419	3,864	47,055	621	5,284	84	877	305	25,971	4,358
122	MT State U., Bozeman	87,528	2,906	31,669	1,378	16,641	118	1,153	9,870	14,696	9,097
123	U. NE, Medical Ctr.	86,295	0	86,295	0	0	0	0	0	0	0
124	U. OR	84,997	3,833	31,466	6,427	15,693	8,652	5,047	0	226	13,653
125	U. MS and U. MS Medical Ctr.	84,317	5,725	58,868	472	12,507	32	221	0	4,030	2,462
126	Drexel U.	83,702	0	40,224	2,664	3,280	2,102	289	0	32,865	2,278
127	OK State U., Stillwater	81,855	448	20,723	858	3,315	26	1,563	7,547	47,375	0
128	Thomas Jefferson U.	80,027	0	80,027	0	0	0	0	0	0	0
129	U. Notre Dame	79,716	0	11,640	5,858	19,488	2,480	814	6,093	32,630	713
130	Rice U.	78,730	3,012	9,384	14,929	17,411	620	1,007	4,678	27,208	481
131	U. RI	78,303	30,308	24,557	1,088	5,064	60	130	10,857	5,604	635
132	KS State U.	76,953	341	43,476	2,514	9,370	1,345	2,389	1,284	13,695	2,539
133	U. AR for Medical Sciences	75,924	0	75,924	0	0	0	0	0	0	0
134	IN U., Bloomington	74,143	1,097	24,700	8,655	19,151	9,491	5,479	725	0	4,845
135	U. AL, Huntsville	72,665	6,586	1,393	19,102	8,056	6	4,595	0	30,459	2,468
136	U. Dayton	70,996	95	823	967	68	0	0	328	67,566	1,149
137	U. Central FL	69,098	6,358	4,897	643	13,796	823	3,767	16,996	19,456	2,362
138	Northeastern U.	67,938	748	19,097	4,718	12,049	1,878	2,088	0	25,179	2,181
139	FL International U.	65,446	4,487	23,917	4,553	4,437	3,116	7,759	0	13,418	3,759
140	George Mason U.	65,301	6,641	10,150	9,206	6,627	4,918	14,959	0	8,515	4,285
141	San Diego State U.	64,056	1,928	28,659	4,005	3,561	13,826	4,154	1,726	1,910	4,287
142	U. CA, Riverside	62,312	3,223	23,675	3,412	11,590	2,020	558	156	14,717	2,961
143	U.S. Air Force Academy	62,118	0	312	676	3,882	0	271	0	55,151	1,826
144	U. MD, Baltimore County	61,172	28,305	5,786	5,232	7,538	1,239	6,082	14	6,914	62
145	U. ME	59,800	12,296	12,435	169	3,035	487	3,830	5,028	22,364	156

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146	U. Houston	59,580	2,081	12,728	6,900	5,696	7,756	2,077	0	19,852	2,490
147	Auburn U., Auburn	59,559	1,544	20,094	414	4,673	390	2,509	21	29,416	498
148	Rensselaer Polytechnic Institute	59,284	1,843	1,878	7,537	10,639	2,862	342	0	33,850	333
149	Rush U.	57,978	0	55,188	0	0	2,790	0	0	0	0
150	U. NV, Reno	57,220	8,671	22,902	1,293	7,189	314	2,090	704	12,211	1,846
151	Cold Spring Harbor Lab.	55,450	0	55,450	0	0	0	0	0	0	0
152	U. PR, Medical Sciences Campus	54,381	0	54,381	0	0	0	0	0	0	0
153	GA Health Sciences U.	54,254	0	54,254	0	0	0	0	0	0	0
154	NJ Institute of Technology	54,250	0	180	3,347	9,943	0	313	9,102	29,988	1,377
155	U. ID	54,243	4,109	28,764	1,847	2,264	47	1,225	3,128	11,428	1,431
156	U. ND	54,058	9,885	13,704	0	1,232	7	21	93	28,971	145
157	ND State U.	53,451	179	12,816	2,556	12,805	2,714	7,344	2,047	12,082	908
158	Clemson U.	52,919	0	10,213	2,451	5,023	622	1,939	68	29,049	3,554
159	U. TN, Health Science Ctr.	51,842	0	51,828	0	0	0	0	12	0	2
160	U. WY	48,932	16,656	17,080	1,275	4,890	394	1,839	602	5,046	1,150
161	Brandeis U.	48,235	0	26,106	1,727	7,567	2,594	9,799	0	0	442
162	LA State U., Health Sciences Ctr., New Orleans	45,581	0	45,581	0	0	0	0	0	0	0
163	FL A&M U.	44,905	2,994	16,286	2,657	4,462	0	1,212	1,213	1,947	14,134
164	U. Toledo	44,881	2,151	24,515	25	7,679	115	82	0	8,113	2,201
165	Jackson State U.	43,001	181	3,542	1,503	14,299	111	2,065	8,893	5,866	6,541
166	Cleveland State U.	42,575	257	34,790	87	642	16	592	0	5,908	283
167	SD State U.	41,904	2,999	26,588	233	1,729	0	1,512	0	8,815	28
168	Portland State U.	41,580	3,209	3,020	2,739	8,073	1,030	6,425	0	5,164	11,920
169	U. Southern MS	40,984	13,093	7,352	765	13,933	266	1,638	3,293	424	220
170	CUNY, City C.	40,595	1,859	8,628	1,109	8,218	1,310	485	0	17,455	1,531
171	Old Dominion U.	39,534	3,813	6,160	1,658	4,680	1,043	324	1,295	15,111	5,450
172	U. MT	38,565	1,271	32,043	468	2,218	277	1,899	0	0	389
173	St. Louis U.	38,323	459	34,823	17	1,485	397	25	0	1,000	117
174	U. HI, Hilo	37,703	4,965	20,798	132	40	317	1,354	0	0	10,097
175	U. AR, Fayetteville	37,587	2,070	14,204	141	8,737	33	503	0	11,515	384
176	NM Institute of Mining and Technology	37,316	6,778	399	815	10,828	0	0	5,279	13,217	0
177	Howard U.	36,060	2,601	21,658	743	3,194	2,154	975	0	4,307	428
178	U. TX, El Paso	35,399	2,254	10,422	6,358	3,061	2,829	898	0	8,943	634
179	TX Tech U.	35,191	4,702	6,276	2,416	4,854	150	2,529	0	11,954	2,310
180	IL Institute of Technology	34,858	0	8,835	1,796	3,673	1,622	0	0	17,090	1,842
181	SUNY, Health Science Ctr. Brooklyn	33,964	0	33,964	0	0	0	0	0	0	0
182	Syracuse U.	33,850	1,076	2,955	2,745	5,958	3,254	2,582	375	6,327	8,578

TABLE 17. Federally financed higher education R&D expenditures, ranked by all federal R&D expenditures, by R&D field: FY 2011

(Dollars in thousands)

Rank	Institution	All federal R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering	All non-S&E fields
183	CO School of Mines	33,789	2,498	0	936	6,341	0	83	0	21,556	2,375
184	TX A&M Health Science Ctr.	33,405	0	32,140	0	8	36	984	0	237	0
185	U. TX, Dallas	33,216	319	8,404	4,443	6,984	2,173	1,237	0	8,795	861
186	U. AL, Tuscaloosa	32,999	967	3,976	3,696	5,735	1,790	1,712	0	14,511	612
187	MI Technological U.	32,724	8,187	893	321	2,370	0	169	41	20,270	473
188	Stevens Institute of Technology	32,570	753	0	1,386	796	0	0	0	28,334	1,301
189	Loma Linda U.	32,187	694	30,039	0	0	166	0	0	0	1,288
190	Touro C.	32,107	0	32,107	0	0	0	0	0	0	0
191	U. TX, San Antonio	31,972	520	13,450	5,633	2,248	262	736	0	5,162	3,961
192	Boston C.	31,953	7,152	7,072	575	7,288	1,713	45	0	0	8,108
193	U. TX, Arlington	30,659	695	1,468	3,248	5,167	1,706	55	27	15,824	2,469
194	U. WI, Milwaukee	30,479	4,808	5,016	1,222	8,101	1,736	2,501	2	4,950	2,143
195	U. NV, Las Vegas	30,457	10,906	4,659	333	6,591	561	1,390	0	5,202	815
196	C. of William and Mary and VA Institute of Marine Science	30,361	11,299	1,997	1,535	6,850	368	1,453	0	0	6,859
197	SUNY, Upstate Medical U.	28,663	0	28,663	0	0	0	0	0	0	0
198	Loyola U., Chicago	28,633	4	25,754	404	521	373	532	0	0	1,045
199	Desert Research Institute	28,489	27,709	767	0	0	0	13	0	0	0
200	GA State U.	28,210	192	9,281	847	5,975	3,576	1,837	272	0	6,230
201	Morehouse School of Medicine	28,128	0	28,128	0	0	0	0	0	0	0
202	SD School of Mines and Technology	28,105	522	0	76	1,253	0	52	0	26,148	54
203	MO U. of Science and Technology	27,961	1,753	108	482	2,948	0	0	0	22,670	0
204	U. MA, Lowell	27,960	1,899	7,118	1,366	8,177	21	1,923	0	6,298	1,158
205	Wright State U.	27,422	424	13,315	1,860	1,977	1,343	0	333	8,170	0
206	U. MA, Boston	26,958	2,007	4,861	1,255	1,136	2,825	2,775	0	181	11,918
207	Meharry Medical C.	26,779	0	26,779	0	0	0	0	0	0	0
208	San Jose State U.	26,389	4,470	847	163	1,822	14,041	107	10	1,747	3,182
209	U. North TX, Health Science Ctr.	26,132	0	26,132	0	0	0	0	0	0	0
210	Eastern VA Medical School	25,319	0	25,319	0	0	0	0	0	0	0
211	U. PR, Rio Piedras	24,887	1,854	8,281	157	12,994	1,050	0	0	0	551
212	Brigham Young U., Provo	24,273	454	4,421	1,694	4,675	378	734	0	7,385	4,532
213	AL A&M U.	23,988	0	4,922	218	14,442	0	2,221	0	2,185	0
214	Southern IL U., Carbondale	23,696	303	17,612	423	2,203	506	317	691	1,641	0
215	OH U.	23,051	930	5,324	115	5,311	1,304	179	0	8,775	1,113
216	CUNY, Hunter C.	22,901	441	7,155	483	5,898	6,026	1,188	0	0	1,710
217	NC Agricultural and Technical State U.	22,652	150	7,646	1,196	2,695	0	505	420	9,887	153
218	Lehigh U.	22,390	929	1,382	1,984	4,286	217	280	0	11,407	1,905

TABLE 17. Federally financed higher education R&D expenditures, ranked by all federal R&D expenditures, by R&D field: FY 2011

(Dollars in thousands)

Rank	Institution	All federal R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering	All non-S&E fields
219	Marshall U.	21,852	16	14,935	0	629	0	114	0	5,739	419
220	SUNY, U. Binghamton	21,244	420	2,166	1,483	2,951	4,741	2,069	0	6,613	801
221	NY Medical C.	21,013	0	21,013	0	0	0	0	0	0	0
222	U. NC, Greensboro	20,868	0	5,289	355	1,968	2,098	2,445	0	0	8,713
223	Charles R. Drew U. of Medicine and Science	20,679	0	20,679	0	0	0	0	0	0	0
224	Rochester Institute of Technology	20,396	550	231	1,546	6,858	0	387	0	8,974	1,850
225	U. Memphis	20,348	1,928	1,565	1,807	1,839	4,096	1,985	110	3,408	3,610
226	Air Force Institute of Technology	20,196	690	0	4,272	4,243	0	33	0	9,748	1,210
227	Catholic U. America	19,890	0	1,515	36	15,495	557	83	0	1,965	239
228	CA State U., Northridge	19,769	1,354	2,638	534	2,417	761	380	0	645	11,040
229	East Carolina U.	19,675	1,296	12,653	33	1,182	1,942	328	0	202	2,039
230	U. New Orleans	19,000	2,346	447	749	4,521	403	1,606	52	2,351	6,525
231	U. MO, Kansas City	18,988	161	14,535	781	1,995	965	21	0	290	240
232	Boise State U.	18,811	4,049	5,001	456	965	0	458	278	7,216	388
233	Western MI U.	18,736	1,023	1,671	1,820	3,516	728	553	0	2,133	7,292
234	U. PR, Mayaguez	18,568	6,108	1,612	133	2,377	0	42	0	7,997	299
235	Southern Methodist U.	18,502	6,104	1,239	1,794	2,488	1,834	146	65	4,149	683
236	Rutgers, State U. NJ, Newark	18,226	1,097	8,559	994	1,575	1,088	3,865	246	79	723
237	U. MD, Ctr. for Environmental Science	18,007	18,007	0	0	0	0	0	0	0	0
238	Mercer U.	17,904	0	2,501	1	0	0	0	0	15,402	0
239	Northern AZ U.	17,765	3,334	11,897	116	1,160	94	334	0	752	78
240	San Francisco State U.	17,337	3,244	7,293	1,563	1,634	1,864	913	0	826	0
241	ID State U.	17,149	1,601	4,159	407	7,519	196	512	167	2,260	328
242	U. South AL	16,758	1,675	12,052	72	911	180	397	0	972	499
243	U. of the VI	16,338	0	15,717	0	0	0	0	0	0	621
244	CA State U., Fullerton	16,159	228	4,405	1,049	996	113	660	11	495	8,202
245	U. NC, Charlotte	15,930	723	3,447	4,724	1,694	152	746	0	2,872	1,572
246	Worcester Polytechnic Institute	15,714	0	550	3,617	1,030	0	1,401	0	8,175	941
247	FL Atlantic U.	15,579	129	7,080	937	1,049	2,316	0	0	3,282	786
248	CUNY, Queens C.	15,573	445	9,656	469	1,369	2,517	1,035	0	0	82
249	U. TN, Institute of Agriculture	15,512	0	12,553	0	0	0	1,303	280	1,376	0
250	LA State U., Medical Ctr., Shreveport	15,316	0	15,316	0	0	0	0	0	0	0
251	Kent State U.	15,085	486	2,655	873	5,515	1,826	1,546	0	433	1,751
252	TX Tech U., Health Sciences Ctr.	14,790	0	14,790	0	0	0	0	0	0	0
253	U. North TX, Denton	14,754	217	3,899	1,538	2,809	289	816	0	2,687	2,499
254	U. LA, Lafayette	14,659	261	6,411	1,864	624	0	646	108	1,965	2,780
255	U. SD	14,490	0	9,680	255	3,639	382	97	0	284	153

TABLE 17. Federally financed higher education R&D expenditures, ranked by all federal R&D expenditures, by R&D field: FY 2011

(Dollars in thousands)

Rank	Institution	All federal R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering	All non-S&E fields
256	U. NC, Wilmington	14,218	5,291	5,903	870	414	141	313	0	1	1,285
257	Creighton U.	14,140	44	13,279	0	757	0	0	0	0	60
258	U. Denver	14,042	0	1,474	542	2,850	3,595	61	0	1,941	3,579
259	Albany Medical C.	13,884	0	13,884	0	0	0	0	0	0	0
260	CA State U., Long Beach	13,811 i	494 i	2,865 i	103 i	875 i	2,225 i	0 i	1,427 i	5,109 i	713 i
261	U.S. Military Academy	13,799	111	82	1,161	1,011	0	6,012	0	3,937	1,485
262	U. MA, Dartmouth	13,657	6,725	1,503	579	1,279	322	0	8	1,837	1,404
263	Miami U.	13,210	586	5,329	0	2,497	1,101	646	0	1,317	1,734
264	U. West FL	13,156	272	601	114	421	0	97	0	0	11,651
265	Wichita State U.	12,972	1	1,766	388	772	341	188	0	9,405	111
266	DE State U.	12,822	1,138	6,422	1,831	2,477	26	7	0	0	921
267	Tuskegee U.	12,397	0	7,783	0	219	0	1,842	0	1,189	1,364
268	AL State U.	12,340	0	12,340	0	0	0	0	0	0	0
269	Hampton U.	12,292	3,079	1,233	534	6,912	0	0	0	534	0
270	U. Akron	12,130	67	1,129	383	3,150	127	384	0	6,761	129
271	LA Tech U.	11,952	0	555	2,512	1,317	0	0	0	5,967	1,601
272	Northern IL U.	11,807	586	2,349	513	2,122	1,008	862	0	3,786	581
273	Embry-Riddle Aeronautical U.	11,444	419	177	79	201	0	0	0	8,381	2,187
274	Marquette U.	11,291	0	4,861	377	1,872	207	37	0	3,544	393
275	Prairie View A&M U.	11,058	0	6,541	404	912	0	123	0	3,061	17
276	Elizabeth City State U.	10,402	159	0	7,924	2,093	0	0	0	0	226
277	FL Gulf Coast U.	10,328	843	1,238	0	235	0	203	5	216	7,588
278	TX State U., San Marcos	10,319	1,851	1,048	763	1,091	39	332	241	606	4,348
279	U.S. Naval Academy	10,243	280	0	1,223	2,650	0	301	0	5,789	0
280	U. MO, St. Louis	10,157	44	2,890	133	2,663	1,841	643	0	0	1,943
281	U. CA, Merced	10,140	1,053	2,444	123	1,452	347	132	0	4,193	396
282	Fayetteville State U.	10,029	0	1,100	343	10	0	243	0	114	8,219
283	CA State U., San Bernardino	9,953	215	993	1,967	80	1,830	943	0	184	3,741
284	SUNY, U. Albany, C. Nanoscale Science and Engineering	9,887	0	2,224	0	0	0	0	0	7,663	0
285	Morgan State U.	9,884	612	1,336	523	513	0	1,109	0	5,785	6
286	U. AK, Anchorage	9,858	1,957	4,458	0	57	0	735	1,527	618	506
287	SUNY, C. of Environmental Science and Forestry	9,645 i	2,064 i	3,413 i	0 i	1,765 i	0 i	238 i	0 i	2,165 i	0 i
288	Clarkson U.	9,531	0	1,061	913	1,150	0	144	0	6,263	0
289	NC Central U.	9,496	100	7,543	360	1,040	0	0	0	0	453
290	Ponce School of Medicine	9,318	0	9,318	0	0	0	0	0	0	0
291	Rosalind Franklin U. of Medicine and Science	9,317	0	9,024	0	0	293	0	0	0	0

TABLE 17. Federally financed higher education R&D expenditures, ranked by all federal R&D expenditures, by R&D field: FY 2011

(Dollars in thousands)

Rank	Institution	All federal R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering	All non-S&E fields
292	American U.	9,208	15	10	176	1,744	409	4,195	0	0	2,659
293	Oakland U.	9,178	0	2,225	65	3,639	48	0	0	3,024	177
294	CA Polytechnic State U., San Luis Obispo	8,658	1,115	912	1,020	753	62	238	848	3,348	362
295	Alcorn State U.	8,655	9	5,421	573	0	0	2,608	0	44	0
296	AR State U., Jonesboro	8,644	0	6,223	177	1,992	92	6	0	101	53
297	U. AR, Little Rock	8,615	466	1,555	1,752	2,031	11	46	0	2,134	620
298	U. MD, Eastern Shore	8,587	2,495	5,849	7	10	0	200	0	26	0
299	U. MN, Duluth	8,564	4,608	1,577	323	883	0	110	0	871	192
300	Teachers C., Columbia U.	8,526	0	815	115	0	4,737	2,766	0	0	93
301	CA State U., Los Angeles	8,426	117	1,786	23	2,406	799	153	0	3,012	130
302	TN State U.	8,369	0	5,653	32	639	19	0	0	1,389	637
303	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
304	U. Tulsa	7,970	350	342	3,792	874	220	21	0	1,948	423
305	Eastern MI U.	7,916	623	911	0	105	0	778	0	1,385	4,114
306	Wheeling Jesuit U.	7,869	102	3,631	0	27	0	0	0	0	4,109
307	Polytechnic Institute of NY U.	7,831	0	62	307	934	0	0	0	6,528	0
308	Dillard U.	7,796 i	1,627 i	937 i	0 i	104 i	1 i	80 i	0 i	13 i	5,034 i
309	U. Southern ME	7,752	154	2,828	75	240	0	206	46	43	4,160
310	East TN State U.	7,705	121	6,203	203	299	490	0	0	389	0
311	FL Institute of Technology	7,637	870	1,535	656	2,691	86	0	0	1,549	250
312	TX A&M U., Corpus Christi	7,506	4,593	1,616	704	151	11	108	42	0	281
313	CUNY, Brooklyn C.	7,098	153	2,868	594	1,767	881	461	0	0	374
314	Lincoln U., Jefferson City	7,084	1,138	4,735	0	264	914	33	0	0	0
315	Clark Atlanta U.	7,040	0	3,439	292	3,176	0	84	0	49	0
316	CA State U., Sacramento	6,965	55	1,185	85	171	138	1,046	944	2,521	820
317	Nova Southeastern U.	6,904	3,844	2,728	0	0	257	0	0	0	75
318	St. Edward's U.	6,899	1,025	1,024	0	1,024	0	0	0	0	3,826
319	SC State U.	6,858 i	1,042 i	2,430 i	0 i	369 i	0 i	0 i	618 i	2,398 i	1 i
320	Villanova U.	6,817	0 i	413 i	399 i	496 i	124 i	98 i	0 i	5,186 i	101 i
321	Xavier U. LA	6,673	0	2,986	483	3,173	12	0	0	19	0
322	U. Central del Caribe	6,613	0	6,613	0	0	0	0	0	0	0
323	Norfolk State U.	6,462	17	242	1,978	871	0	0	0	3,237	117
324	Southern U. and A&M C., Baton Rouge	6,410 i	2,888 i	374 i	30 i	1,481 i	0 i	692 i	338 i	607 i	0 i
325	TN Technological U.	6,397	0	654	439	177	426	0	0	3,946	755
326	U. NE, Omaha	6,333	11	1,166	2,187	227	135	486	3	819	1,299
327	TX A&M U., Kingsville	6,280	335	2,749	0	209	0	0	0	1,472	1,515
328	Western KY U.	6,210	435	1,063	5	4,526	0	50	0	0	131

TABLE 17. Federally financed higher education R&D expenditures, ranked by all federal R&D expenditures, by R&D field: FY 2011

(Dollars in thousands)

Rank	Institution	All federal R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering	All non-S&E fields
329	Bowling Green State U.	6,164	570	448	0	2,799	195	1,479	0	671	2
330	U. TX, Brownsville	6,122	111	2,092	612	3,219	0	0	0	88	0
331	Tarleton State U.	6,036	91	5,945	0	0	0	0	0	0	0
332	VA State U.	6,035	0	3,812	233	0	508	76	0	1,013	393
333	Duquesne U.	5,991	0	3,016	619	1,468	0	0	0	0	888
334	West Chester U. PA	5,845	0	324	100	5,117	150	0	0	0	154
335	Purdue U., Calumet	5,835	0	440	130	138	208	0	0	1,026	3,893
336	U. CO, Colorado Springs	5,805	309	596	907	523	250	0	17	2,818	385
337	U. WI, Superior	5,638 i	294 i	10 i	0 i	0 i	0 i	1,037 i	0 i	4,297 i	0 i
338	Wesleyan U.	5,525	270	2,043	248	1,815	933	52	0	0	164
339	U. GU	5,391	1,365	3,850	0	0	0	27	0	0	149
340	U. TX, Pan American	5,339	98	1,576	378	547	0	464	0	1,683	593
341	James Madison U.	5,218	1,680	501	1,122	750	265	91	0	809	0
342	Claremont Graduate U.	5,215	0	0	200	0	0	850	0	0	4,165
343	Clafflin U.	5,103	0	2,461	112	2,530	0	0	0	0	0
344	U. North FL	5,082	0	715	0	770	71	181	0	3,311	34
345	C. Charleston	5,056	2,237	882	336	634	180	169	0	0	618
346	MT Tech of U. MT	4,999	1,409	305	36	319	0	0	0	2,930	0
347	TX Southern U.	4,899	0	2,693	57	881	0	0	0	175	1,093
348	Central MI U.	4,841	466	2,308	185	682	456	218	0	0	526
349	U. WI, Stevens Point	4,834 i	3,226 i	477 i	1 i	1,122 i	0 i	6 i	1 i	0 i	1 i
350	MO State U.	4,764	190	2,795	11	664	0	18	0	1,078	8
351	CA State U., Monterey Bay	4,713	1,091	3,515	15	18	0	49	0	25	0
352	U. AR, Pine Bluff	4,696	0	4,164	265	259	0	8	0	0	0
353	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
354	Western WA U.	4,661	1,487	349	43	584	290	139	918	343	508
355	Gallaudet U.	4,633	11	1,856	2	1	792	93	1,072	49	757
356	Fisk U.	4,631	0	0	0	4,631	0	0	0	0	0
357	DePaul U.	4,629	147	118	1,265	584	2,485	2	0	0	28
358	IL State U.	4,586	43	1,734	455	846	0	186	0	0	1,322
359	CA State U., San Marcos	4,497 i	186 i	3,071 i	99 i	0 i	0 i	352 i	0 i	141 i	648 i
360	U. MI, Dearborn	4,305	0	0	76	98	0	198	0	3,919	14
361	CUNY, John Jay C. of Criminal Justice	4,086	0	316	186	322	1,134	1,452	0	0	676
362	Northeast OH Medical U.	4,081	0	3,895	0	0	0	186	0	0	0
363	Cheyney U. PA	4,060	0	0	0	975	0	2,216 i	869 i	0	0
364	Southern IL U., Edwardsville	4,056	415	1,205	298	401	0	230	574	823	110

TABLE 17. Federally financed higher education R&D expenditures, ranked by all federal R&D expenditures, by R&D field: FY 2011

(Dollars in thousands)

Rank	Institution	All federal R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering	All non-S&E fields
365	Southern U. Agriculture Research and Extension Ctr.	4,049	0	4,049	0	0	0	0	0	0	0
366	Lamar U.	4,036	101	127	534	40	0	0	0	3,157	77
367	Fordham U.	3,925	14	1,618	0	0	1,403	51	0	0	839
368	TX Christian U.	3,924	21	93	31	291	2,047	0	0	0	1,441
369	Sam Houston State U.	3,855	0	783	398	405	457	55	0	0	1,757
370	Clark U.	3,801	1,303	613	25	990	796	49	0	0	25
371	CA State U., Fresno	3,795	128	2,589	33	593	0	0	0	246	206
372	Langston U.	3,778	0	3,778	0	0	0	0	0	0	0
373	Baylor U.	3,704	270	279	266	1,124	552	69	0	826	318
374	Drew U.	3,695	1,230	352	0	2,067	0	0	0	0	46
375	Central State U.	3,528	179	1,108	242	164	164	175	0	1,443	53
376	CUNY, Graduate Ctr.	3,462	30	49	259	273	82	959	0	0	1,810
377	Ft. Valley State U.	3,452	0	2,939	346	167	0	0	0	0	0
378	Kettering U.	3,452	0	0	0	30	0	0	0	3,422	0
379	Winthrop U.	3,440	0	393	84	394	0	0	0	0	2,569
380	Palmer C. of Chiropractic, Davenport	3,344	0	3,344	0	0	0	0	0	0	0
381	SUNY, C. of Optometry	3,336	0	3,336	0	0	0	0	0	0	0
382	Barnard C.	3,325	230	217	203	927	1,516	133	0	0	99
383	Youngstown State U.	3,304	0	12	68	2,846	0	309	16	53	0
384	Humboldt State U.	3,292	640	1,919	261	0	82	42	0	348	0
385	U. Baltimore	3,288	0	0	0	0	0	2,303	25	0	960
386	U. New England	3,242	1,351	1,760	0	67	0	64	0	0	0
387	WV State U.	3,193	88	2,733	181	0	0	41	0	150	0
388	Smith C.	3,159	339	831	855	353	409	96	0	218	58
389	KY State U.	3,146	74	3,038	3	0	0	14	0	17	0
390	Ball State U.	3,064	48	962	196	155	21	313	0	6	1,363
391	CA State Polytechnic U., Pomona	2,978	150	2,047	0	145	290	150	0	182	14
392	U. TN, Chattanooga	2,932	151	181	152	287	0	8	0	2,150	3
393	Benedict C.	2,925	931	472	162	307	0	86	0	967	0
394	Eastern KY U.	2,852	171	2,424	60	25	0	56	0	0	116
395	St. Francis U.	2,823	0	2,823	0	0	0	0	0	0	0
396	Loyola Marymount U.	2,815	21	110	207	163	230	0	0	2,028	56
397	Fairfield U.	2,780	0	54	73	250	0	0	0	24	2,379
398	Tougaloo C.	2,753	0	2,542	0	0	0	0	0	0	211
399	Bucknell U.	2,747	62	248	232	452	0	0	0	1,606	147
400	CUNY, Lehman C.	2,700	25	1,639	552	145	151	188	0	0	0

TABLE 17. Federally financed higher education R&D expenditures, ranked by all federal R&D expenditures, by R&D field: FY 2011

(Dollars in thousands)

Rank	Institution	All federal R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering	All non-S&E fields
401	Long Island U.	2,686 i	0 i	2,505 i	0 i	135 i	0 i	0 i	0 i	0 i	46 i
402	Seton Hall U.	2,681	0	1,142	0	59	11	47	0	0	1,422
403	U. of the Pacific	2,678	14	558	8	319	0	0	0	515	1,264
404	CA State U., Dominguez Hills	2,671	14	727	996	153	324	457	0	0	0
405	Middle TN State U.	2,669	83	444	262	335	0	90	0	381	1,074
406	Plymouth State U.	2,668	1,647 i	478 i	0 i	0 i	0 i	540 i	0 i	0 i	3 i
407	Towson U.	2,630	23	835	973	130	281	388	0	0	0
408	Montclair State U.	2,629	569	810	611	0	115	397	50	0	77
409	Lawrence Technological U.	2,615	0	778	21	0	0	0	0	1,626	190
410	Harvey Mudd C.	2,594	0	305	1,298	538	0	0	15	438	0
411	Appalachian State U.	2,586	676	1,187	57	472	0	6	0	0	188
412	Savannah State U.	2,518	1,317	1,003	194	4	0	0	0	0	0
413	Wellesley C.	2,496	53	665	234	718	0	97	694	0	35
414	Murray State U.	2,471	16	865	144	74	0	0	0	1,372	0
415	IN U.-Purdue U., Ft. Wayne	2,443	0	1,272	0	34	0	0	0	184	953
416	Hope C.	2,414	0	68	948	1,302	0	0	0	96	0
417	RI C.	2,404	0	523	121	143	408	0	0	0	1,209
418	Carleton C.	2,332	889	222	419	594	0	8	0	0	200
419	U. WI, La Crosse	2,332 i	0 i	987 i	34 i	873 i	0 i	167 i	0 i	271 i	0 i
420	U. DC	2,313	125	1,568	88	328	0	104	0	100	0
421	U. Northern IA	2,294	11	85	0	613	1	524	363	0	697
422	Middlebury C.	2,289	474	746	131	454	269	215	0	0	0
423	Central WA U.	2,242	1,304	150	0	244	0	540	0	0	4
424	Shaw U.	2,193	21	1,371	0	377	0	0	0	0	424
425	Hofstra U.	2,182	70	340	143	172	181	28	0	14	1,234
426	Roger Williams U.	2,132	118	1,249	0	24	0	0	0	0	741
427	Williams C.	2,117	258	412	463	759	95	130	0	0	0
428	Rowan U.	2,108	0	0	40	573	2	0	0	1,456	37
429	Grambling State U.	2,085	0	0	0	2,085	0	0	0	0	0
430	U. South FL, St. Petersburg	2,058	132	0	0	0	0	9	0	0	1,917
431	New School	2,042	3	0	773	0	552	158	12	14	530
432	Santa Clara U.	2,019	0	559	14	253	30	53	0	1,083	27
433	Chicago State U.	2,014	25	920	0	1,069	0	0	0	0	0
434	U. Metropolitana	2,013	975	233	313	0	0	0	0	0	492
435	Mt. Holyoke C.	2,010	595	45	177	815	180	71	0	0	127
436	Alfred U.	2,004	38	0	0	91	678	0	0	1,157	40
437	Amherst C.	1,992	20	229	38	1,412	75	1	0	0	217
438	Bastyr U.	1,988	0	1,988	0	0	0	0	0	0	0

TABLE 17. Federally financed higher education R&D expenditures, ranked by all federal R&D expenditures, by R&D field: FY 2011

(Dollars in thousands)

Rank	Institution	All federal R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering	All non-S&E fields
439	Northwest Indian C.	1,980 i	797 i	1,135 i	0 i	0 i	0 i	48 i	0 i	0 i	0 i
440	U. PR, Humacao	1,976	0	145	0	1,831	0	0	0	0	0
441	U. LA, Monroe	1,971	46	1,720	0	3	0	202	0	0	0
442	SUNY, Buffalo State C.	1,965	271	239	0	125	90	1,233	0	0	7
443	Bowdoin C.	1,942	422	946	193	124	0	191	0	0	66
444	Bowie State U.	1,910	439	213	1,258	0	0	0	0	0	0
445	Bryn Mawr C.	1,901	126	102	600	315	277	49	0	0	432
446	Keene State C.	1,884	265	299	0	282	0	0	0	0	1,038
447	Monmouth U.	1,873	375	17	1,481	0	0	0	0	0	0
448	Haverford C.	1,851	0	983	69	553	143	103	0	0	0
449	Vassar C.	1,838	36	309	392	505	9	288	0	13	286
450	Spelman C.	1,833	0	1,015	95	678	0	0	45	0	0
451	U. Richmond	1,831	16	157	456	928	148	0	0	0	126
452	Columbus State U.	1,792	167	5	1,544	0	0	0	0	0	76
453	Pomona C.	1,779	387	444	212	405	138	183	0	0	10
454	U. NC, Asheville	1,770	1,096	53	71	299	0	0	0	0	251
455	Keck Graduate Institute	1,744	0	1,744	0	0	0	0	0	0	0
456	U. Central AR	1,732	0	843	151	304	0	2	0	0	432
457	Stephen F. Austin State U.	1,690	45	742	54	0	0	84	460	0	305
458	Siena C.	1,687	0	368	0	1,199	0	0	120	0	0
459	U. Northern CO	1,681	175	517	83	396	195	147	0	0	168
460	Sul Ross State U.	1,672	17	1,574	0	0	0	81	0	0	0
461	Morehead State U.	1,656	0	542	0	361	76	421	256	0	0
462	Albany C. of Pharmacy and Health Sciences	1,634	0	1,634	0	0	0	0	0	0	0
463	Arcadia U.	1,621	0	123	134	0	0	469	0	0	895
464	Northern KY U.	1,595	0	815	144	365	249	0	0	0	22
465	U. New Haven	1,592	1	0	44	0	0	0	0	154	1,393
466	Christopher Newport U.	1,587	0	825	0	761	1	0	0	0	0
467	CUNY, C. Staten Island	1,583	0	148	306	984	0	9	0	23	113
468	Chapman U.	1,576	0	365	0	733	0	117	0	0	361
469	U. Hartford	1,576	0	3	45	0	0	67	0	1,456	5
470	Wiley C.	1,574	0	0	200	0	0	0	0	0	1,374
471	Nicholls State U.	1,571	9	1,541	0	13	0	0	0	0	8
472	Lafayette C.	1,564	67	129	183	145	33	107	0	757	143
473	Skidmore C.	1,562	98	268	0	1,067	129	0	0	0	0
474	Touro U., Vallejo	1,558	0	1,196	0	0	0	0	0	0	362
475	TX A&M U., Commerce	1,557	0	12	141	653	135	0	0	0	616

TABLE 17. Federally financed higher education R&D expenditures, ranked by all federal R&D expenditures, by R&D field: FY 2011

(Dollars in thousands)

Rank	Institution	All federal R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering	All non-S&E fields
476	Rutgers, State U. NJ, Camden	1,555	0	646	413	6	190	4	0	0	296
477	Western OR U.	1,532	0	34	0	0	0	229	0	0	1,269
478	GA Southern U.	1,530	0	576	25	528	0	48	0	343	10
479	East Central U.	1,518	136 i	529 i	109 i	187 i	110 i	65 i	24 i	132 i	226 i
480	Macalester C.	1,517	187	469	168	498	0	133	0	0	62
481	CUNY, York C.	1,507	0	763	0	600	0	144	0	0	0
482	Coastal Carolina U.	1,487	1,184	102	0	153	0	0	0	0	48
483	Bates C.	1,485	356	527	61	420	38	0	0	83	0
484	Columbia C., Chicago	1,441	0	0	859 i	0	0	403 i	0	0	179 i
485	Hamilton C.	1,406	192	41	551	249	37	15	0	0	321
486	Franklin and Marshall C.	1,397	112	423	123	711	28	0	0	0	0
487	Hobart and William Smith Colleges	1,379	681	114	0	387	0	24	0	0	173
488	Northwestern Health Sciences U.	1,378	0	1,179	0	0	0	0	0	0	199
489	IN State U.	1,352	228	781	0	130	61	0	0	152	0
490	West TX A&M U.	1,347	359	258	55	0	0	0	0	668	7
491	Philadelphia U.	1,342	0	0	0	0	0	0	1,342	0	0
492	U. of the Sciences Philadelphia	1,338	0	739	0	567	0	32	0	0	0
493	Lincoln U. of the Commonwealth of PA	1,336	0	492	0	0	0	0	459	0	385
494	Barry U.	1,331	0	1,329	0	2	0	0	0	0	0
495	CA State U., Chico	1,317	293	359	1	0	0	17	0	539	108
496	CUNY, Medgar Evers C.	1,315	143	171	100	536	0	365	0	0	0
497	SUNY, C. Geneseo	1,306	116	86	12	1,021	41	2	0	0	28
498	PA State U., Harrisburg	1,302	0	0	497	0	70	352	0	369	14
499	Pittsburg State U.	1,280	0	149	0	87	0	0	0	1,044	0
500	U. PR, Cayey	1,278	76	0	0	177	0	1	617	0	407
501	U. TX, Tyler	1,277	36	210	118	0	0	81	0	532	300
502	St. John's U., New York City	1,263	0	295	0	409	477	0	0	0	82
503	HI Pacific U.	1,261	27	488	6	4	0	0	0	0	736
504	U. West GA	1,259	300	59	25	183	25	50	0	0	617
505	New England C. of Optometry	1,236	0	1,236	0	0	0	0	0	0	0
506	Grand Valley State U.	1,235 i	506 i	421 i	42 i	137 i	12 i	0 i	0 i	52 i	65 i
507	Trinity C., Hartford	1,217	1	790	280	74	63	0	0	9	0
508	CA Maritime Academy	1,200	0	0	0	0	0	0	0	1,200	0
509	Southern CT State U.	1,199	0	0	127	772	0	0	0	0	300
510	TX A&M International U.	1,195	56	214	0	204	0	133	250	334	4
511	U. Houston, Downtown	1,186	37	285	146	705	2	0	0	3	8
512	U. San Diego	1,184	264	573	0	238	0	0	0	64	45
513	Oberlin C.	1,183	62	365	135	563	11	47	0	0	0

TABLE 17. Federally financed higher education R&D expenditures, ranked by all federal R&D expenditures, by R&D field: FY 2011

(Dollars in thousands)

Rank	Institution	All federal R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering	All non-S&E fields
514	Milwaukee School of Engineering	1,181	0	598	0	56	0	0	0	527	0
515	U. del Este	1,179	0	1,158	0	0	0	0	0	0	21
516	Winston-Salem State U.	1,179	0	743	0	0	0	0	0	0	436
517	TX Woman's U.	1,173	0	865	0	53	0	24	0	0	231
518	Black Hills State U.	1,172	0	825	0	244	28	0	0	0	75
519	Augustana C., Sioux Falls	1,169	0	487	348	334	0	0	0	0	0
520	Seattle Pacific U.	1,155	31	0	15	44	15	0	0	0	1,050
521	U. WI, Oshkosh	1,154	57	866	35	118	0	24	0	0	54
522	Gonzaga U.	1,152	0	300	111	98	0	0	0	643	0
523	Salus U.	1,152	0	1,152	0	0	0	0	0	0	0
524	CUNY, Baruch C.	1,150	79	114	0	195	357	280	0	0	125
525	U. Central OK	1,146	0	213	0	0	0	255	0	678	0
526	Stetson U.	1,135	0	0	0	0	6	8	0	0	1,121
527	Furman U.	1,111	0	139	2	751	92	0	0	0	127
528	St. Joseph's U.	1,087	0	420	27	0	46	104	86	0	404
529	Claremont McKenna C.	1,083	74	454	75	113	267	78	0	0	22
530	Norwich U.	1,064	149	504	0	90	113	0	0	208	0
531	Colgate U.	1,058	233	133	162	378	108	44	0	0	0
532	Kennesaw State U.	1,054	0	543	23	134	0	283	0	0	71
533	U. del Turabo	1,054	18	251	0	0	0	0	0	108	677
534	Davidson C.	1,053	0	213	46	110	168	516	0	0	0
535	Trinity U.	1,046	99	32	231	511	134	39	0	0	0
536	CA State U., Stanislaus	1,037	68 i	578 i	43 i	89 i	23 i	30 i	13 i	161 i	32 i
537	U. Redlands	1,036	937	15	0	84	0	0	0	0	0
538	Haskell Indian Nations U.	1,032	91 i	0 i	0 i	941 i	0 i	0 i	0 i	0 i	0 i
539	PA State U., Erie	1,029	780	0	0	0	0	0	0	249	0
540	Swarthmore C.	1,029	0	239	70	452	146	26	0	72	24
541	Colby C.	1,028	24	218	118	470	144	28	0	0	26
542	Hampshire C.	1,028	151	4	86	673	0	114	0	0	0
543	U. HI, West O'ahu	1,022 i	9 i	25 i	34 i	114 i	0 i	73 i	14 i	702 i	51 i
544	U. NE, Kearney	1,018	13	685	0	320	0	0	0	0	0
545	Doane C.	1,008	0	434	0	574	0	0	0	0	0
546	CT C.	1,005	0	264	70	604	0	67	0	0	0
547	Evergreen State C.	1,004	639	210	116	39	0	0	0	0	0
548	NM Highlands U.	989	35	71	0	880	0	0	0	0	3
549	St. Bonaventure U.	974	0	472	34	81	0	0	0	0	387
550	Azusa Pacific U.	970	0	0	0	0	0	970	0	0	0

TABLE 17. Federally financed higher education R&D expenditures, ranked by all federal R&D expenditures, by R&D field: FY 2011

(Dollars in thousands)

Rank	Institution	All federal R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering	All non-S&E fields
551	Dine C.	959 i	9 i	24 i	31 i	108 i	0 i	68 i	13 i	658 i	48 i
552	Union C., Schenectady	959	37	100	189	315	44	3	0	271	0
553	Whitman C.	957	0	654	0	255	40	0	0	8	0
554	Pace U.	952	501	133	292	26	0	0	0	0	0
555	Barnes-Jewish C. Goldfarb School of Nursing	950	32 i	646 i	38 i	77 i	17 i	12 i	8 i	103 i	17 i
556	U. AK, Southeast	941	316	170	42	1	0	151	245	16	0
557	U. St. Thomas (MN)	933	118	419	143	40	0	0	0	0	213
558	Washington and Jefferson C.	932	0	0	0	58	874	0	0	0	0
559	Dominican U. CA	931	31	900	0	0	0	0	0	0	0
560	Western New England C.	931	0	0	127	0	0	0	0	804	0
561	CA State U., East Bay	921	107	61	230	523	0	0	0	0	0
562	Western U. of Health Sciences	914	0	900	0	0	0	0	0	0	14
563	Southeastern LA U.	911	0	626	26	83	0	0	0	0	176
564	U. WA, Bothell	911	0	0	10	0	0	0	0	353	548
565	SUNY, C. of Agriculture and Technology, Cobleskill	909	0	0	0	0	0	0	0	909	0
566	Augsburg C.	905	0	0	0	905	0	0	0	0	0
567	Occidental C.	904	98	155	74	486	85	0	0	0	6
568	Albany State U.	893	11	174	35	664	9	0	0	0	0
569	Valparaiso U.	892	110	70	122	302	0	0	0	276	12
570	Southern Polytechnic State U.	891	0	7	72	0	0	0	0	128	684
571	Southern OR U.	885	349	347	13	0	0	33	0	0	143
572	SUNY, C. Oswego	871	214	79	30	44	496	8	0	0	0
573	PA State U., Beaver	868	0	0	2	0	0	0	0	0	866
574	U. Detroit Mercy	856	0	45	138	293	14	0	0	112	254
575	MN State U., Mankato	852	148	42	0	75	0	7	0	540	40
576	Philadelphia C. of Osteopathic Medicine	850	0	813	0	0	37	0	0	0	0
577	U. WI, Green Bay	848 i	769 i	0 i	0 i	0 i	0 i	16 i	0 i	0 i	63 i
578	Hendrix C.	847	0	460	0	334	0	0	0	53	0
579	St. Olaf C.	843	0	463	53	327	0	0	0	0	0
580	Rose-Hulman Institute of Technology	839	0	0	136	597	0	0	0	106	0
581	Indiana U. PA	833	88	184	0	121	0	223	0	0	217
582	U. WI, Eau Claire	829	13	385	87	341	0	0	0	0	3
583	Dickinson C.	821	240	189	0	142	45	0	0	0	205
584	U. Houston, Clear Lake	818	424	89	42	245	18	0	0	0	0
585	LA State U., Shreveport	801	0	359	269	173	0	0	0	0	0
586	Governors State U.	797	0	707	0	0	0	0	0	0	90
587	SUNY, Institute of Technology, Utica/Rome	785	0	0	701	0	0	0	0	84	0

TABLE 17. Federally financed higher education R&D expenditures, ranked by all federal R&D expenditures, by R&D field: FY 2011

(Dollars in thousands)

Rank	Institution	All federal R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering	All non-S&E fields
588	MS Valley State U.	772	15	1	181	22	0	0	0	446	107
589	Reed C.	772	0	361	52	27	197	60	75	0	0
590	U. TX, Permian Basin	761	480	63	0	149	0	0	0	0	69
591	U. Western States	757	0	757	0	0	0	0	0	0	0
592	Mills C.	753	0	149	0	0	0	0	0	0	604
593	C. of the Holy Cross	752	0	136	136	346	114	0	0	0	20
594	Salish Kootenai C.	748	259	321	30	5	0	0	0	43	90
595	Western IL U.	746	29	466	0	198	0	3	0	46	4
596	Austin Peay State U.	729	0	150	0	579	0	0	0	0	0
597	Wilberforce U.	729 i	0 i	222 i	507 i	0 i	0 i	0 i	0 i	0 i	0 i
598	CA State U., Bakersfield	727	0	575	0	152	0	0	0	0	0
599	Providence C.	726	0	640	0	0	86	0	0	0	0
600	SUNY, C. Plattsburgh	726	87	523	0	116	0	0	0	0	0
601	Western Carolina U.	721	302	319	9	12	0	49	0	0	30
602	Sojourner-Douglass C.	709	0	709	0	0	0	0	0	0	0
603	Armstrong Atlantic State U.	708	0 i	177 i	165 i	254 i	0 i	0 i	0 i	4 i	108 i
604	Edward Via C. of Osteopathic Medicine	707	0	707	0	0	0	0	0	0	0
605	SUNY, C. Old Westbury	696 i	0 i	507 i	3 i	88 i	0 i	98 i	0 i	0 i	0 i
606	Central CT State U.	684	0	58	379	125	98	0	0	2	22
607	Lewis and Clark C.	684	2	438	44	177	23	0	0	0	0
608	Northwestern State U. LA	683	0	0	0	40	0	643	0	0	0
609	SUNY, C. Brockport	677	227	393	0	57	0	0	0	0	0
610	U. SC, Beaufort	675	0	0	0	0	0	0	675	0	0
611	Capitol C.	667	22 i	454 i	27 i	54 i	10 i	9 i	6 i	73 i	12 i
612	Franklin W. Olin C. of Engineering	666	0	0	46	102	0	0	0	518	0
613	U. of Mary Washington	660	79 i	305 i	63 i	0	64 i	38 i	14 i	0	97 i
614	National U.	650	36 i	318 i	31 i	126 i	12 i	8 i	3 i	35 i	81 i
615	Southern U. and A&M C., New Orleans	650	0	254	0	0	0	0	0	0	396
616	Willamette U.	650	0	147	26	67	7	165	7	0	231
617	Purdue U., North Central	646	0	0	25	22	0	0	0	11	588
618	John Carroll U.	635	0	126	226	16	0	106	0	0	161
619	Ithaca C.	627	17	287	87	236	0	0	0	0	0
620	Mt. St. Mary's C.	626	0	626	0	0	0	0	0	0	0
621	New C. FL	626	0	153	0	473	0	0	0	0	0
622	Seattle U.	622	0	343	4	155	0	21	0	99	0
623	St. Cloud State U.	622	13	183	106	58	0	7	0	13	242

TABLE 17. Federally financed higher education R&D expenditures, ranked by all federal R&D expenditures, by R&D field: FY 2011

(Dollars in thousands)

Rank	Institution	All federal R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering	All non-S&E fields
624	U. NC, Pembroke	621	0	0	0	621	0	0	0	0	0
625	Sinte Gleska U.	613	50	133	138	197	0	95	0	0	0
626	OH Wesleyan U.	611	0	433	0	178	0	0	0	0	0
627	Loyola U., MD	603	0	71	287	116	0	0	0	3	126
628	Sitting Bull C.	593	3	590	0	0	0	0	0	0	0
629	U. SC, Aiken	592	0	0	0	0	0	0	592	0	0
630	Salisbury U.	586	414	114	0	0	0	58	0	0	0
631	Mesa State C.	585	31	74	11	13	0	108	0	0	348
632	Wheaton C., Wheaton	585	0	185	0	383	17	0	0	0	0
633	SUNY, Farmingdale State C.	584	0	0	0	0	0	0	0	584	0
634	Calvin C.	560	20	92	82	362	0	0	0	0	4
635	Eastern WA U.	559	21	0	0	265	169	104	0	0	0
636	Minot State U.	559	0	546	0	0	13	0	0	0	0
637	Sonoma State U.	559	216	255	0	45	43	0	0	0	0
638	Bradley U.	554	0	148	0	7	0	0	0	399	0
639	Kean U.	550	0	550	0	0	0	0	0	0	0
640	Weber State U.	550	86	83	20	175	4	3	0	166	13
641	Heidelberg U.	544 i	30 i	266 i	27 i	105 i	10 i	7 i	2 i	29 i	68 i
642	Frostburg State U.	543	0	540	0	0	0	3	0	0	0
643	PA State U., Altoona	535	51	126	0	25	0	50	0	134	149
644	U. North AL	529 i	48 i	184 i	38 i	65 i	38 i	23 i	8 i	46 i	79 i
645	Saginaw Valley State U.	525	0	10	1	325	0	0	6	183	0
646	Ashland U.	518 i	17 i	353 i	20 i	43 i	9 i	7 i	4 i	56 i	9 i
647	MN State U., Moorhead	514	34 i	286 i	21 i	44 i	12 i	15 i	6 i	80 i	16 i
648	C. Wooster	512	327	23	30	126	6	0	0	0	0
649	Ft. Lewis C.	511	51	330	0	130	0	0	0	0	0
650	Philander Smith C.	510	53 i	140 i	58 i	139 i	36 i	19 i	7 i	28 i	30 i
651	Scripps C.	503	0	0	112	0	391	0	0	0	0
652	Toyota Technological Institute Chicago	496	0	0	496	0	0	0	0	0	0
653	McNeese State U.	495	341	4	0	8	0	74	0	68	0
654	IN U., South Bend	494	0	112	30	352	0	0	0	0	0
655	NY Institute of Technology	494	0	175	194	0	0	0	0	0	125
656	Sewanee: U. of the South	491	0	4	0	487	0	0	0	0	0
657	U.S. Coast Guard Academy	487	13	0	96	35	0	0	0	343	0
658	U. CA, Office of the President	483	0	372	0	0	0	0	111	0	0
659	Agnes Scott C.	478	0	28	5	124	287	34	0	0	0
660	Truman State U.	476	0	145	257	74	0	0	0	0	0

TABLE 17. Federally financed higher education R&D expenditures, ranked by all federal R&D expenditures, by R&D field: FY 2011

(Dollars in thousands)

Rank	Institution	All federal R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering	All non-S&E fields
661	Southwestern OK State U.	473	0	245	0	228	0	0	0	0	0
662	St. Michael's C.	471	0	160	46	167	98	0	0	0	0
663	C. of Menominee Nation	468 i	48 i	129 i	53 i	128 i	33 i	17 i	6 i	26 i	28 i
664	Marine Corps U.	468	0	0	0	0	0	468	0	0	0
665	Susquehanna U.	463	68	186	0	134	17	58	0	0	0
666	Ursinus C.	462	0	74	197	158	33	0	0	0	0
667	CO C.	458	192	20	44	60	0	46	0	0	96
668	Millersville U. PA	457	140	121	196	0	0	0	0	0	0
669	U. WI, Whitewater	457 i	80 i	128 i	0 i	33 i	0 i	40 i	0 i	0 i	176 i
670	U. IL, Springfield	455	0	74	0	9	0	290	0	0	82
671	CA State U., Channel Islands	451	0	0	149	162	0	0	0	0	140
672	Northeastern State U.	450	0	253	0	122	0	0	0	0	75
673	Auburn U., Montgomery	445	0	407	35	0	0	3	0	0	0
674	Midwestern U., Downers Grove	438	0	438	0	0	0	0	0	0	0
675	Abilene Christian U.	427	0	6	0	421	0	0	0	0	0
676	Daemen C.	421 i	0 i	421 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i
677	Paine C.	416	333	0	28	0	28	27	0	0	0
678	U. MN, Morris	414	106	35	0	135	0	0	0	0	138
679	West Liberty U.	413	0	260	0	0	0	0	0	0	153
680	MGH Institute of Health Professions	408	0	408	0	0	0	0	0	0	0
681	U. WA, Tacoma	406	0	0	108	0	0	0	0	0	298
682	Southeastern OK State U.	405	0	64	0	341	0	0	0	0	0
683	Richard Stockton C. NJ	405	237	10	142	16	0	0	0	0	0
684	Mayville State U.	404	0	404	0	0	0	0	0	0	0
685	Dakota State U.	402	0	0	402	0	0	0	0	0	0
686	Northwest Nazarene U.	401	0	367	0	34	0	0	0	0	0
687	SUNY, C. Cortland	398	57	111	0	0	86	19	0	0	125
688	SUNY, C. Potsdam	393	13	0	57	323	0	0	0	0	0
689	Mercyhurst C.	389	0	0	0	0	0	31	143	0	215
690	MT State U., Billings	388	17	301	0	0	0	2	0	0	68
691	Radford U.	386	0	59	53	0	5	45	0	0	224
692	Drake U.	382	0	107	0	122	0	0	0	0	153
693	Rhodes C.	378	0	95	0	100	183	0	0	0	0
694	Edinboro U. PA	377	377	0	0	0	0	0	0	0	0
695	OK State U. Ctr. for Health Sciences	377	0	323	0	0	0	0	54	0	0
696	Simmons C.	373	0	221	28	6	0	22	0	0	96
697	U. San Francisco	371	173	80	31	0	0	29	0	0	58
698	Adelphi U.	369	0	50	87	149	0	0	0	0	83

TABLE 17. Federally financed higher education R&D expenditures, ranked by all federal R&D expenditures, by R&D field: FY 2011

(Dollars in thousands)

Rank	Institution	All federal R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering	All non-S&E fields
699	Elizabethtown C.	369	0	81	0	266	0	0	0	22	0
700	Wilkes U.	361	114	169	0	34	0	0	0	44	0
701	Kenyon C.	358	0	358	0	0	0	0	0	0	0
702	Erikson Institute	355	0	0	0	0	0	0	0	0	355
703	CO State U., Pueblo	354	0	205	28	79	0	0	0	42	0
704	Rider U.	350	23	248	42	2	35	0	0	0	0
705	Vanguard U.	350	0	0	0	0	0	0	0	0	350
706	AK Pacific U.	349	349	0	0	0	0	0	0	0	0
707	Eastern IL U.	346	11	202	1	118	0	14	0	0	0
708	Millsaps C.	336	14	231	3	44	0	44	0	0	0
709	Dominican U.	333	0	0	0	0	333	0	0	0	0
710	St. Mary's C. MD	327	0	0	55	230	26	16	0	0	0
711	Cooper Union for the Advancement of Science and Art	326	0	0	0	0	0	0	0	326	0
712	Muhlenberg C.	325	0	193	1	95	0	0	0	0	36
713	RI School of Design	322	258	0	0	0	0	0	0	31	33
714	Salve Regina U.	322	0	161	0	118	43	0	0	0	0
715	U. MI, Flint	322	0	93	0	0	0	0	0	88	141
716	Angelo State U.	318	0	191	0	66	0	61	0	0	0
717	Eastern NM U., Portales	313	0	266	8	39	0	0	0	0	0
718	Palo Alto U.	313	0	0	0	0	313	0	0	0	0
719	St. Joseph's C. ME	313 i	135 i	166 i	0 i	12 i	0 i	0 i	0 i	0 i	0 i
720	Northeastern IL U.	311	23	43	55	0	190	0	0	0	0
721	U. Portland	307	2	253	10	0	0	0	0	40	2
722	Augustana C., Rock Island	304	120	123	0	61	0	0	0	0	0
723	Emporia State U.	304	0	191	13	100	0	0	0	0	0
724	ME Maritime Academy	304 i	27 i	106 i	22 i	37 i	22 i	14 i	5 i	26 i	45 i
725	Pepperdine U.	299	0	162	10	0	0	0	0	0	127
726	Suffolk U.	299	0	6	86	12	0	195	0	0	0
727	U. Puget Sound	295	5	102	0	45	0	34	0	0	109
728	Loyola U., New Orleans	293	0	252	0	4	0	37	0	0	0
729	Dickinson State U.	287	129 i	145 i	0 i	0 i	0 i	0 i	0 i	0 i	13 i
730	Grinnell C.	287	0	104	53	123	0	7	0	0	0
731	Ramapo C. NJ	281	0	63	150	68	0	0	0	0	0
732	SUNY, C. Fredonia	281	0	0	0	213	0	0	0	0	68
733	La Salle U.	277	0	0	0	0	0	0	277	0	0

TABLE 17. Federally financed higher education R&D expenditures, ranked by all federal R&D expenditures, by R&D field: FY 2011

(Dollars in thousands)

Rank	Institution	All federal R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering	All non-S&E fields
734	Wabash C.	271	0	86	30	103	52	0	0	0	0
735	Edison State C.	269 i	2 i	7 i	9 i	30 i	0 i	19 i	4 i	185 i	13 i
736	Allegheny C.	267	72	0	9	186	0	0	0	0	0
737	Francis Marion U.	267	0	253	0	14	0	0	0	0	0
738	Gettysburg C.	266	0	13	0	113	0	140	0	0	0
739	Harding U.	265	0	0	157	1	0	0	0	107	0
740	Jacksonville State U.	265	0	5	12	248	0	0	0	0	0
741	St. Catherine U.	265	0	239	0	26	0	0	0	0	0
742	LeTourneau U.	260	0	0	0	0	0	0	0	260	0
743	New England School of Acupuncture	256	0	256	0	0	0	0	0	0	0
744	Mercy C.	255	0	106	0	0	78	71	0	0	0
745	Bridgewater State C.	254	0	0	0	254	0	0	0	0	0
746	C. NJ	254	11	1	116	0	0	60	0	0	66
747	East Stroudsburg U. PA	250	250	0	0	0	0	0	0	0	0
748	National C. of Natural Medicine	247	0	247	0	0	0	0	0	0	0
749	Oglala Lakota C.	246	84 i	72 i	16 i	54 i	0	0	0	20	0
750	Southwestern U.	246	0	48	9	189	0	0	0	0	0
751	Manhattan C.	245	245	0	0	0	0	0	0	0	0
752	A. T. Still U. of Health Sciences	244	0	244	0	0	0	0	0	0	0
753	Pacific U.	242	0	0	0	0	15	60	0	0	167
754	Wheaton C., Norton	239	47	43	0	83	0	0	0	0	66
755	U. Sioux Falls	238	0	238	0	0	0	0	0	0	0
756	Northern MI U.	237	0	105	0	0	19	0	0	0	113
757	Christian Brothers U.	235 i	13 i	115 i	11 i	45 i	5 i	3 i	1 i	13 i	29 i
758	Kalamazoo C.	232	0	42	0	187	0	0	0	0	3
759	U. Pittsburgh, Bradford	224	0	224	0	0	0	0	0	0	0
760	U. SC, Spartanburg	224	0	0	0	0	0	0	224	0	0
761	Bloomsburg U. PA	223	0	0	51	68	55	0	0	3	46
762	Eckerd C.	223	192	31	0	0	0	0	0	0	0
763	Washburn U.	223	0	0	0	223	0	0	0	0	0
764	Johnson State C.	222	0	62	0	0	0	0	0	0	160
765	Ouachita Baptist U.	222	0	206	0	16	0	0	0	0	0
766	NE Wesleyan U.	219	0	218	0	1	0	0	0	0	0
767	National U. of Health Sciences	218	0	12	0	0	0	0	0	0	206
768	U. of the Incarnate Word	217	0	111	0	0	0	0	0	0	106
769	Iona C.	212	0	0	95	117	0	0	0	0	0
770	Eastern Mennonite U.	210	0	210	0	0	0	0	0	0	0

TABLE 17. Federally financed higher education R&D expenditures, ranked by all federal R&D expenditures, by R&D field: FY 2011

(Dollars in thousands)

Rank	Institution	All federal R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering	All non-S&E fields
771	Regis U.	209	0	0	0	0	0	0	0	0	209
772	U. MT, Western	204	9	195	0	0	0	0	0	0	0
773	Valdosta State U.	202	0	174	0	28	0	0	0	0	0
774	DePauw U.	201	0	79	65	57	0	0	0	0	0
775	Bellarmine U.	200	0	0	0	200	0	0	0	0	0
776	Lawrence U.	200	0	21	0	71	0	108	0	0	0
777	Taylor U.	199	26	0	0	127	0	0	0	17	29
778	Alderson-Broadbudd C.	194 i	11 i	95 i	10 i	38 i	3 i	2 i	1 i	10 i	24 i
779	Widener U., Chester	194	0	17	0	0	0	45	0	12	120
780	OR Institute of Technology	193	0	30	0	0	0	0	0	163	0
781	Polytechnic U. PR	193	33	0	55	0	0	0	0	105	0
782	Union Graduate C.	191	0	0	0	0	0	0	0	0	191
783	U. South FL, Sarasota-Manatee	191	0	0	0	0	0	0	0	0	191
784	Lake Forest C.	190	0	149	0	0	41	0	0	0	0
785	Southern UT U.	190	53	41	0	0	0	0	0	96	0
786	Butler U.	189	0	120	0	12	41	0	0	0	16
787	Northwest MO State U.	188	0	0	112	67	0	0	9	0	0
788	Unity C.	188	50	98	0	0	0	0	0	40	0
789	Babson C.	187	75	0	0	0	0	112	0	0	0
790	Colby-Sawyer C.	187	0	187	0	0	0	0	0	0	0
791	Pacific Lutheran U.	185	86	1	0	61	37	0	0	0	0
792	Bard C.	183	0	91	92	0	0	0	0	0	0
793	Dowling C.	183	0	100	83	0	0	0	0	0	0
794	Berea C.	182	0	97	35	50	0	0	0	0	0
795	Canisius C.	181	0	26	128	27	0	0	0	0	0
796	OH Northern U.	181	0	128	0	15	0	0	0	38	0
797	Sweet Briar C.	180	0	80	6	81	0	0	0	0	13
798	Lyon C.	179	18	0	0	0	0	0	0	161	0
799	WV Wesleyan C.	173	0	25	0	148	0	0	0	0	0
800	Bank Street C. of Ed.	171	0	0	0	0	0	0	0	0	171
801	CA Lutheran U.	171	0	0	0	171	0	0	0	0	0
802	Coker C.	171	0	90	0	0	0	0	0	0	81
803	LeMoyne-Owen C.	171	0	0	171	0	0	0	0	0	0
804	Jarvis Christian C.	169	0	99	0	70	0	0	0	0	0
805	Messiah C.	169	0	0	0	0	0	0	0	169	0
806	Coe C.	166	0	0	0	166	0	0	0	0	0
807	Niagara U.	166	0	87	0	0	25	38	0	0	16
808	Shepherd U.	166	0	58	79	29	0	0	0	0	0

TABLE 17. Federally financed higher education R&D expenditures, ranked by all federal R&D expenditures, by R&D field: FY 2011

(Dollars in thousands)

Rank	Institution	All federal R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering	All non-S&E fields
844	Gustavus Adolphus C.	109	0	0	0	109	0	0	0	0	0
845	Luther C.	109	0	31	0	78	0	0	0	0	0
846	CA U. PA	106	0	19	0	0	0	0	0	41	46
847	Louis V. Gerstner Jr. Graduate School of Biomedical Sciences at Memorial Sloan-Kettering Cancer Ctr.	106	0	106	0	0	0	0	0	0	0
848	U. Dallas	103	0	0	0	40	0	0	0	0	63
849	SUNY, Purchase C.	101	63	0	0	38	0	0	0	0	0
850	Des Moines U.	91	0	91	0	0	0	0	0	0	0
851	Lycoming C.	91	0	91	0	0	0	0	0	0	0
852	Southern CA C. of Optometry	79	0	79 i	0	0	0	0	0	0	0
853	Andrews U.	77	0	1	54	10	0	12	0	0	0
854	Slippery Rock U. PA	77	77	0	0	0	0	0	0	0	0
855	SUNY, C. Oneonta	75	25	27	0	23	0	0	0	0	0
856	Marist C.	70	0	0	49	0	0	0	0	0	21
857	MD Institute C. of Art	70	0	0	0	0	0	0	0	0	70
858	Benedictine U.	65	0	41	0	24	0	0	0	0	0
859	U. Scranton	64	0	7	19	38	0	0	0	0	0
860	Concordia C.	63	0	23	0	40	0	0	0	0	0
861	National Flight Test Institute	52	0	0	0	0	0	0	0	52	0
862	Rollins C.	52	1	0	0	51	0	0	0	0	0
863	Baldwin-Wallace C.	50	0	50	0	0	0	0	0	0	0
864	U. WI, Platteville	50 i	0 i	0 i	0 i	0 i	0 i	0 i	3 i	47 i	0 i
865	Alliant International U.	47	0	0	0	0	0	0	0	0	47 i
866	Earlham C.	45	0	45	0	0	0	0	0	0	0
867	Elon U.	40	9	0	7	24	0	0	0	0	0
868	Ferrum C.	39	8	31	0	0	0	0	0	0	0
869	U. VA's C. Wise	38	0	0	0	0	0	0	38	0	0
870	St. Mary's U., San Antonio	36	0	0	0	0	0	0	0	36	0
871	North Central C.	35	0	35	0	0	0	0	0	0	0
872	Roanoke C.	34	0	23	0	11	0	0	0	0	0
873	Shippensburg U. PA	34	29	0	0	5	0	0	0	0	0
874	Austin C.	33	2 i	16 i	2 i	6 i	1 i	0 i	0 i	2 i	4 i
875	NY Chiropractic C.	30	0	0	0	0	0	0	0	0	30
876	Pitzer C.	30	0	0	30	0	0	0	0	0	0
877	U. MN, Rochester	30	0	0	0	0	0	0	0	0	30
878	U. Southern IN	25	0	11	14	0	0	0	0	0	0

TABLE 17. Federally financed higher education R&D expenditures, ranked by all federal R&D expenditures, by R&D field: FY 2011

(Dollars in thousands)

Rank	Institution	All federal R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering	All non-S&E fields
879	Concord U.	23	16	0	0	5	0	2	0	0	0
880	Carthage C.	22	0	0	0	22	0	0	0	0	0
881	Southeast MO State U.	21	0	0	0	21	0	0	0	0	0
882	Chicago School of Professional Psychology	20	0	0	0	0	20	0	0	0	0
883	Eastern CT State U.	20	0	0	0	0	0	0	0	0	20
884	Linfield C.	19	3 i	5 i	2 i	5 i	1 i	1 i	0 i	1 i	1 i
885	Sage Colleges, system office	19	0	19	0	0	0	0	0	0	0
886	Palmer C. of Chiropractic, Pt. Orange	18	0	18	0	0	0	0	0	0	0
887	Bemidji State U.	17	17	0	0	0	0	0	0	0	0
888	La Sierra U.	17	0	0	0	17	0	0	0	0	0
889	WV School of Osteopathic Medicine	17	0	17	0	0	0	0	0	0	0
890	Southern AR U.	14	0	2	0	12	0	0	0	0	0
891	Kansas City U. of Medicine and Biosciences	11	0	11	0	0	0	0	0	0	0
892	SUNY, C. of Agriculture and Technology, Morrisville	11	0	0	0	0	0	0	0	11	0
893	U. TN, Martin	10	0	0	0	0	0	0	10	0	0
894	IN U., New Albany	6	0	0	0	6	0	0	0	0	0
895	Marywood U.	3	0	0	0	0	0	0	0	0	3
896	MT State U., Havre	3	0	0	0	0	0	0	0	3	0

i = imputed.

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

^a Johns Hopkins University includes Applied Physics Laboratory, with \$1,102,048 thousand in federally financed R&D expenditures in FY 2011.

NOTES: Institutions reporting zero federal expenditures for FY 2011 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 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.