

TABLE 35. Federally financed R&amp;D expenditures at universities and colleges, ranked by federal R&amp;D expenditures for the first 200 institutions, by science and engineering field: FY 2004

(Dollars in thousands)

Rank	Institution	Federal R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
	All institutions	27,379,233	1,595,993	16,413,267	1,347,250	2,566,825	586,800	695,436	271,331	3,902,331
1	Johns Hopkins U., The <sup>a</sup>	1,229,426	36,250	511,573	100,610	146,179	5,218	2,151	16,715	410,730
2	U. WA	625,218	71,685	424,433	4,798	32,044	8,359	24,775	0	59,124
3	Stanford U.	541,667	12,383	296,305	21,501	81,910	6,864	4,217	0	118,487
4	U. MI all campuses	521,339	4,886	307,794	6,991	26,627	9,649	49,887	44	115,461
5	U. CA, San Diego	465,629	79,643	236,203	68,279	31,947	5,889	4,441	0	39,227
6	U. CA, Los Angeles	461,145	12,681	330,141	16,865	43,093	8,990	7,426	2,301	39,648
7	U. PA	435,343	128	359,857	8,738	23,112	4,889	17,765	3,446	17,408
8	U. WI Madison	434,423	43,331	237,807	13,650	35,815	22,945	19,753	0	61,122
9	MA Institute of Technology	427,552	24,499	114,695	31,822	102,417	1,380	1,898	6,554	144,287
10	U. CA, San Francisco	418,944	0	396,729	0	22,215	0	0	0	0
11	U. CO all campuses	414,986	79,182	228,915	8,782	51,571	8,629	7,919	1,506	28,482
12	Columbia U. in the City of NY	406,576	52,206	279,442	10,012	32,918	3,756	6,015	1,495	20,732
13	Harvard U.	399,764	13,775	313,278	3,239	38,678	7,769	8,076	0	14,949
14	U. Pittsburgh all campuses	394,444	620	338,420	4,440	17,663	6,997	3,939	9,156	13,209
15	Washington U. St. Louis	371,043	2,487	339,307	4,352	10,189	3,030	3,348	0	8,330
16	PA State U. all campuses	347,996	22,123	91,336	31,434	41,873	11,985	9,852	1,624	137,769
17	Duke U.	347,896	6,757	278,054	5,882	15,267	1,209	19,525	0	21,202
18	Cornell U. all campuses	339,107	3,184	209,798	18,311	56,657	2,462	7,247	0	41,448
19	Yale U.	330,837	2,949	291,471	5,162	16,383	5,666	979	0	8,227
20	Baylor C. of Medicine	312,669	0	312,669	0	0	0	0	0	0
21	U. Southern CA	312,589	14,623	161,464	83,264	6,303	3,379	4,397	715	38,444
22	U. MN all campuses	308,369	7,028	221,414	14,429	19,610	8,830	7,956	0	29,102
23	U. NC Chapel Hill	304,204	12,793	238,750	7,332	15,909	5,359	24,061	0	0
24	OH State U. all campuses	284,675	7,192	167,498	11,066	20,759	5,020	23,454	1,407	48,279
25	U. AZ	283,956	7,401	150,809	8,337	74,058	2,960	9,161	0	31,230
26	U. IL Urbana-Champaign	275,896	16,595	58,990	78,518	34,848	8,754	6,155	2,338	69,698
27	U. CA, Berkeley	268,830	4,907	90,288	7,400	75,959	7,944	6,724	4,732	70,876
28	U. AL Birmingham, The	261,664	0	242,437	1,110	2,184	6,920	904	0	8,109
29	Vanderbilt U.	261,484	155	211,056	1,043	11,132	7,655	3,834	477	26,132
30	CA Institute of Technology	244,187	11,340	42,498	13,098	135,480	0	1,662	3,173	36,936
31	Emory U.	243,248	76	232,355	482	7,728	2,163	444	0	0
32	GA Institute of Technology all campuses	237,483	7,133	8,149	41,696	15,064	1,833	2,812	818	159,978
33	U. TX Austin	235,281	12,434	33,646	36,386	55,000	6,931	10,070	3,631	77,183
34	U. Rochester	231,193	1,007	152,592	3,613	9,926	10,461	550	1,174	51,870
35	Northwestern U.	230,593	733	156,686	3,797	20,551	3,312	3,005	3,019	39,490
36	U. Chicago	229,102	4,748	164,749	12,785	37,518	5,926	3,256	0	120
37	U. CA, Davis	221,937	10,397	167,676	4,403	14,688	797	2,191	1,001	20,784

TABLE 35. Federally financed R&amp;D expenditures at universities and colleges, ranked by federal R&amp;D expenditures for the first 200 institutions, by science and engineering field: FY 2004

(Dollars in thousands)

Rank	Institution	Federal R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
38	U. FL	221,898	5,121	133,266	5,737	24,770	7,871	1,745	0	43,388
39	Boston U.	219,054	3,452	146,767	4,296	23,839	6,601	578	12,229	21,292
40	U. IA	209,865	756	173,775	2,696	13,064	5,056	920	3	13,595
41	OR Health & Science U.	206,219	0	180,295	16,007	0	9,917	0	0	0
42	U. TX Southwestern Medical Ctr. Dallas	200,888	0	200,888	0	0	0	0	0	0
43	Case Western Reserve U.	195,525	738	158,535	658	7,635	632	1,374	0	25,953
44	U. Cincinnati all campuses	194,965	114	176,816	156	3,145	190	1,076	11	13,457
45	U. IL Chicago	192,825	1,697	148,208	9,115	10,035	4,154	6,697	3,593	9,326
46	U. VA all campuses	188,121	3,473	129,388	7,181	15,063	6,430	1,158	606	24,822
47	U. HI Manoa	187,035	44,615	71,092	18,154	20,193	4,079	5,483	15,910	7,509
48	NY U.	181,441	83	143,913	12,945	6,523	12,179	4,567	1,231	0
49	U. MD College Park	180,943	9,607	25,470	18,710	41,245	4,634	32,131	0	49,146
50	TX A&M U. all campuses	173,705	43,447	49,403	11,354	20,316	1,820	2,100	44	45,221
51	Carnegie Mellon U.	172,858	219	6,243	93,555	10,135	6,850	9,376	241	46,239
52	Mt. Sinai School of Medicine	170,757	0	170,757	0	0	0	0	0	0
53	IN U. all campuses	166,913	1,837	124,872	9,230	15,566	8,089	5,966	357	996
54	U. UT	161,119	4,180	114,204	11,958	13,352	2,257	223	0	14,945
55	Yeshiva U.	151,520	0	151,520	0	0	0	0	0	0
56	U. CA, Irvine	150,995	3,802	106,209	8,208	13,910	2,122	3,467	0	13,277
57	U. TX M. D. Anderson Cancer Ctr.	150,529	0	132,412	4,799	5,586	4,984	157	0	2,591
58	CO State U.	145,213	57,302	58,376	3,394	7,963	3,166	1,941	192	12,879
59	Purdue U. all campuses	144,090	3,181	62,338	9,780	13,736	3,748	5,103	2,751	43,453
60	SUNY Buffalo all campuses	143,865	774	102,145	6,006	9,446	2,510	1,439	402	21,143
61	MI State U.	143,473	846	78,853	5,060	33,638	3,832	12,096	240	8,908
62	U. Miami	141,943	38,590	86,590	305	2,435	9,737	2,337	0	1,949
63	U. MD Baltimore	141,221	0	141,221	0	0	0	0	0	0
64	U. KY all campuses	129,887	1,534	90,603	6,230	5,834	3,768	2,091	1,966	17,861
65	Rutgers, The State U. NJ all campuses	128,655	12,875	63,527	8,281	19,613	5,318	3,916	0	15,125
66	U. CT all campuses	127,609	5,981	86,915	2,749	5,438	10,223	3,447	130	12,726
67	U. South FL	126,906	21,631	82,675	78	2,539	2,327	1,477	288	15,891
68	U. MA Worcester	126,162	0	126,162	0	0	0	0	0	0
69	SUNY Stony Brook all campuses	123,124	14,102	66,377	7,149	19,977	2,682	1,594	812	10,431
70	Dartmouth C.	123,109	692	86,002	3,089	3,299	3,907	605	8,823	16,692
71	U. of Medicine and Dentistry NJ	121,812	0	121,812	0	0	0	0	0	0
72	Wake Forest U.	120,075	0	117,586	1,021	1,468	0	0	0	0
73	U. NE all campuses	115,833	3,086	81,002	4,696	7,460	5,539	4,335	1,498	8,217
74	Wayne State U.	114,700	36	94,812	1,535	8,772	2,214	1,490	0	5,841
75	U. NM all campuses	112,299	3,288	60,805	4,578	7,084	4,631	8,451	4,934	18,528

TABLE 35. Federally financed R&amp;D expenditures at universities and colleges, ranked by federal R&amp;D expenditures for the first 200 institutions, by science and engineering field: FY 2004

(Dollars in thousands)

Rank	Institution	Federal R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
76	LA State U. all campuses	112,169	8,281	75,608	955	12,687	209	1,706	0	12,723
77	Princeton U.	111,435	9,982	26,212	7,262	21,732	7,519	5,755	0	32,973
78	U. TN all campuses	109,357	2,227	69,659	7,324	9,606	232	1,423	1,397	17,489
79	UT State U.	107,945	2,891	22,815	769	3,298	2,379	963	1,219	73,611
80	U. TX Health Science Ctr. Houston	106,737	0	106,737	0	0	0	0	0	0
81	OR State U.	104,276	32,270	49,609	3,131	2,849	62	1,146	1,421	13,788
82	NC State U.	103,586	5,417	40,907	10,108	9,439	0	2,244	1,103	34,368
83	Medical U. SC	103,494	0	103,494	0	0	0	0	0	0
84	FL State U.	102,967	13,833	20,576	6,094	27,702	4,880	6,833	0	23,049
85	U. TX Medical Branch	102,491	0	101,327	0	0	0	0	0	1,164
86	U. KS all campuses	101,920	4,109	77,525	1,008	5,739	784	4,565	784	7,406
87	Medical C. WI	100,547	0	100,547	0	0	0	0	0	0
88	Woods Hole Oceanographic Institution	100,456	83,639	0	0	0	0	0	0	16,817
89	U. GA	96,348	3,914	72,512	1,947	4,617	8,130	4,093	0	1,135
90	Georgetown U.	95,852	0	91,419	346	2,541	743	803	0	0
91	VA Polytechnic Institute and State U.	95,669	5,445	36,016	4,010	7,526	2,014	1,580	4	39,074
92	SUNY Albany	94,712	4,024	79,427	2,233	1,930	1,079	4,886	0	1,133
93	Tufts U.	92,997	303	79,210	1,065	4,746	2,104	213	0	5,356
94	Tulane U.	92,331	620	79,785	1,647	2,209	265	2,740	0	5,065
95	Thomas Jefferson U.	92,296	0	92,296	0	0	0	0	0	0
96	U. CA, Santa Barbara	92,248	12,743	3,653	9,432	18,087	2,560	5,169	4,474	36,130
97	IA State U.	92,235	3,857	40,605	5,735	6,255	217	10,522	334	24,710
98	U. MO-Columbia	90,304	896	67,833	2,111	2,702	4,941	5,214	0	6,607
99	U. TX Health Science Ctr. San Antonio	89,662	0	89,662	0	0	0	0	0	0
100	VA Commonwealth U.	89,066	490	76,262	66	3,779	3,041	796	0	4,632
101	Brown U.	84,126	3,730	48,819	8,302	7,333	1,558	1,426	0	12,958
102	Rockefeller U.	82,535	0	76,439	1,546	4,550	0	0	0	0
103	MS State U.	82,205	3,706	34,637	4,671	4,213	1,142	2,614	4,838	26,384
104	U. OK all campuses	81,048	12,273	52,107	899	5,986	821	2,412	0	6,550
105	AZ State U. main campus	79,877	10,980	15,116	4,437	11,252	6,872	3,265	2,034	25,921
106	U. VT	79,015	294	68,844	1,006	1,375	629	127	5,380	1,360
107	George Washington U.	78,192	283	27,633	26,856	2,545	1,110	4,564	0	15,201
108	U. DE	76,583	9,200	12,661	2,351	13,825	2,853	3,675	4,312	27,706
109	NM State U. all campuses	76,396	484	13,069	2,811	8,144	912	1,969	250	48,757
110	U. AK Fairbanks all campuses	75,269	40,062	13,328	10,354	206	0	329	3,684	7,306
111	WA State U.	74,944	1,491	42,729	643	10,332	1,494	3,018	1,792	13,445
112	U. SC all campuses	71,856	11,290	24,503	2,405	8,480	4,685	4,068	359	16,066
113	U. NH	67,917	38,809	9,175	349	3,645	335	2,802	34	12,768
114	U. MA Amherst	65,452	1,660	19,824	12,079	19,128	3,442	757	9	8,553

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Rank	Institution	Federal R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
115	Naval Postgraduate School	64,667 i	11,375 i	0 i	18,662 i	3,402 i	0 i	13,901 i	7,126 i	10,201 i
116	Uniformed Services U. of the Health Sciences	62,408	0	62,301	0	0	107	0	0	0
117	Clemson U.	61,065	0	16,590	1,203	5,301	637	4,975	261	32,098
118	WV U.	60,819	4,349	31,821	663	3,614	128	1,435	10	18,799
119	U. MS all campuses	59,787	0	36,568	177	15,358	59	1,022	260	6,343
120	MT State U. Bozeman	58,874	1,001	29,343	1,055	12,397	0	1,678	4,619	8,781
121	U. Dayton	56,647	65	136	250	153	0	0	0	56,043
122	KS State U.	56,088	280	33,245	3,130	9,361	276	1,382	285	8,129
123	Drexel U.	54,963	0	26,811	1,214	2,327	918	0	0	23,693
124	U. Louisville	54,476	360	44,572	321	1,692	2,512	713	0	4,306
125	U. AR for Medical Sciences	53,249	0	53,249	0	0	0	0	0	0
126	U. CA, Santa Cruz	53,196	11,378	6,829	1,911	18,733	576	491	0	13,278
127	Rush U.	51,706	0	50,023	0	0	1,683	0	0	0
128	Rice U.	51,157	1,741	8,662	11,640	14,824	908	329	0	13,053
129	U. NV, Reno	50,787	5,257	30,404	1,077	7,315	466	239	0	6,029
130	Temple U.	50,456	183	36,890	535	2,705	6,738	1,312	0	2,093
131	Auburn U. all campuses	49,565	472	22,419	187	5,395	577	807	3,164	16,544
132	U. of Notre Dame	48,650	0	10,003	3,342	17,370	3,615	1,319	1,201	11,800
133	U. RI	48,590	22,958	14,454	530	852	2,891	59	2,666	4,180
134	U. ID	48,565	3,052	30,429	1,293	2,124	101	867	1,801	8,898
135	FL International U.	47,913	12,208	11,787	2,832	4,898	1,958	10,440	492	3,298
136	ND State U. all campuses	45,375	146	11,538	2,076	13,227	1,084	6,627	2,125	8,552
137	U. Central FL	44,020	6,209	5,345	186	15,123	1,969	738	4,641	9,809
138	U. OR	43,634	1,766	20,356	4,070	7,071	7,496	2,757	0	118
139	OK State U. all campuses	43,345	647	18,964	361	5,912	38	2,324	3,960	11,139
140	Syracuse U. all campuses	43,162	793	3,579	4,264	5,485	3,135	7,012	10,367	8,527
141	U. CA, Riverside	40,981	4,238	19,122	2,595	5,936	1,770	3,961	6	3,353
142	Charles R. Drew U. of Medicine and Science	40,430	0	40,430	0	0	0	0	0	0
143	Howard U.	40,086	0	26,544	1,532	4,334	2,748	330	66	4,532
144	George Mason U.	39,758	9,713	5,330	8,023	697	1,610	6,571	0	7,814
145	U. AL Huntsville, The	39,607	5,117	1,257	7,438	7,705	10	374	3	17,703
146	Brandeis U.	38,041	0	22,200	1,547	5,321	2,709	6,264	0	0
147	U. MD Baltimore County	37,548	17,575	3,402	3,876	8,721	596	1,396	0	1,982
148	San Francisco State U.	37,056	2,849 i	11,398 i	0 i	8,551 i	0 i	0 i	5,702 i	8,556 i
149	St. Louis U. all campuses	36,989 e	786 e	35,890 e	161 e	57 e	22 e	73 e	0 e	0 e
150	Rensselaer Polytechnic Institute	36,651	1,917	841	2,936	4,241	0	1,114	0	25,602
151	U. ME	36,513	12,438	10,929	620	4,130	961	2,460	0	4,975
152	U. ND all campuses	36,349	5,948	13,904	160	792	0	14	340	15,191

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153	Medical C. GA	35,841	0	35,841	0	0	0	0	0	0
154	U. MT, The	34,478	572	25,293	1,464	2,943	681	3,432	0	93
155	U. Houston	34,468	2,399	11,651	3,224	4,254	4,632	1,537	0	6,771
156	SUNY Health Science Ctr. Brooklyn	32,218 i	0 i	32,218 i	0 i	0 i	0 i	0 i	0 i	0 i
157	U. Southern MS	32,075	13,097	6,180	131	6,065	94	1,095	3,064	2,349
158	Hampton U.	31,443	24,587	2,972	230	2,250	0	0	0	1,404
159	U. AR main campus	31,088	1,760	13,678	145	7,915	38	990	0	6,562
160	NJ Institute of Technology	30,995	0	0	2,171	5,547	0	32	4,560	18,685
161	Northeastern U.	30,659	0	5,515	1,860	10,642	1,939	444	0	10,259
162	TX A&M U. System Health Science Ctr.	30,283	728	27,862	0	0	108	0	0	1,585
163	San Diego State U.	30,092	1,356	14,763	587	1,764	5,347	67	41	6,167
164	Loyola U. Chicago	29,150	1	27,795	156	638	474	86	0	0
165	Jackson State U.	28,806	3,420	7,798	4,018	4,565	1,129	312	6,953	611
166	U. PR Medical Sciences Campus	28,063	0	28,063	0	0	0	0	0	0
167	U. NV, Las Vegas	28,013	11,613 i	4,287 i	1,495 i	3,853 i	0 i	2,930 i	0 i	3,835 i
168	Loma Linda U.	26,631	0	26,631	0	0	0	0	0	0
169	Desert Research Institute	26,235	18,473	0	0	0	0	0	7,762	0
170	Meharry Medical C.	26,159	0	26,159	0	0	0	0	0	0
171	C. of William and Mary all campuses	26,049	14,815	1,053	1,329	8,185	82	585	0	0
172	GA State U.	25,845	235	8,680	884	3,827	8,793	3,426	0	0
173	U. AL, The	25,329	1,223	2,595	1,114	2,645	2,800	1,626	0	13,326
174	NY Medical C.	25,103	0	25,103	0	0	0	0	0	0
175	FL A&M U.	24,994	2,281	16,886	554	1,564	67	0	65	3,577
176	U. MD Biotechnology Institute	24,059	4,650	19,409	0	0	0	0	0	0
177	Morehouse School of Medicine	23,331	0	23,331	0	0	0	0	0	0
178	U. WY	23,186 e	3,964 e	11,783 e	192 e	2,528 e	1,103 e	672 e	1,228 e	1,716 e
179	TX Tech U.	23,181	6,706	4,574	1,056	2,976	280	1,279	0	6,310
180	Boston C.	22,907 e	453 e	3,015 e	8,975 e	6,851 e	637 e	2,976 e	0 e	0 e
181	SUNY Upstate Medical U.	22,650	0	22,650	0	0	0	0	0	0
182	Old Dominion U.	21,377	2,472	836	1,331	1,770	462	236	0	14,270
183	OH U. all campuses	20,831	753	3,518	134	4,576	1,031	315	0	10,504
184	Wright State U. all campuses	20,599	162	11,866	2,465	1,600	1,327	39	0	3,140
185	San Jose State U.	20,363	7,123	248	177	2,216	9,056	62	0	1,481
186	U. MO-Rolla	20,218	2,423	517	94	3,490	0	0	0	13,694
187	CUNY City C.	19,711	135	5,548	699	6,694	388	62	0	6,185
188	Stevens Institute of Technology	19,473	7,064	473	3,624	3,111	0	0	148	5,053
189	Lehigh U.	19,400	1,791	1,722	909	2,651	182	0	0	12,145
190	Catholic U. America, The	18,927	0	1,266	0	15,229	1,094	122	0	1,216

TABLE 35. Federally financed R&D expenditures at universities and colleges, ranked by federal R&D expenditures for the first 200 institutions, by science and engineering field: FY 2004  
(Dollars in thousands)

Rank	Institution	Federal R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
191	CUNY Hunter C.	18,836	97	7,812	230	5,516	4,617	516	48	0
192	MI Technological U.	18,735	4,162	425	907	1,454	0	26	39	11,722
193	U. South AL	17,832	1,608	13,334	129	100	281	607	0	1,773
194	Eastern VA Medical School	17,530	0	17,530	0	0	0	0	0	0
195	Brigham Young U. all campuses	17,129	203	3,701	1,093	3,327	412	636	0	7,757
196	Marshall U.	17,104	0	8,912	0	245	0	0	0	7,947
197	U. TX El Paso	16,900	2,442	5,069	846	3,239	557	80	191	4,476
198	U. MA Lowell	16,655	1,612	3,229	341	5,207	78	1,864	179	4,145
199	CO School of Mines	16,550	1,436	0	653	5,677	0	6	0	8,778
200	U. LA Lafayette	15,850	39	11,212	673	102	40	189	2,984	611
	All other sampled institutions	1,164,348	101,724	459,001	77,204	171,673	58,364	57,337	39,959	199,086

e = estimated.

i = imputed.

nec = not elsewhere classified.

<sup>a</sup> The Johns Hopkins University includes the Applied Physics Laboratory, with \$643 million in federally financed R&D expenditures.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Research and Development Expenditures at Universities and Colleges, FY 2004.