

**Table B-44. R&D expenditures at private universities and colleges,  
by science and engineering field: fiscal year 1999**

[Dollars in thousands]

Page 1 of 3

Institution and ranking	Total	Engineering	Physical sciences	Environmental sciences	Math & computer sciences	Life sciences	Psychology	Social sciences	Other sciences
Total, all institutions .....	8,860,831	1,214,093	925,077	333,688	489,822	5,357,930	119,720	279,647	140,854
1 Johns Hopkins U <sup>1</sup> .....	874,518	225,813	121,817	44,700	95,352	356,575	3,383	7,760	19,118
2 Stanford University .....	426,549	114,272	54,521	8,260	22,026	216,764	4,103	6,603	0
3 MA Institute of Tech .....	420,306	153,789	92,189	23,494	39,199	66,924	1,080	8,908	34,723
4 Cornell University .....	395,552	49,641	79,447	4,170	20,317	222,855	6,372	12,750	0
5 U of Pennsylvania .....	383,569	13,911	24,775	762	9,778e	302,186	3,470	25,405	3,282
6 Duke University .....	348,274	14,650	17,061	7,629	2,872	290,206	4,276	11,580	0
7 Harvard University .....	326,193	4,960	30,424	14,089	3,060	221,419	4,548	33,073	14,620
8 Washington University .....	315,606	8,930	10,457	4,385	9,399	277,281	1,692	2,877	585
9 U of Southern California .....	280,741	42,148	10,415	12,095	58,796	145,206	3,987	6,437	1,657
10 Columbia U in City of NY .....	279,587	15,645	21,500	44,003	5,892	184,913	2,735	4,899	0
Total, 1st 10 institutions .....	4,050,895	643,759	462,606	163,587	266,691	2,284,329	35,646	120,292	73,985
11 Yale University .....	274,050	6,763	18,596	1,967	4,765	236,121	3,625	2,213	0
12 Baylor Col of Medicine .....	272,198	0	0	0	0	272,198	0	0	0
13 Northwestern University .....	233,809	42,618	18,142	666	4,136	146,887	1,911	6,569	12,880
14 California Inst of Tech .....	212,216	40,470	108,136	14,611	11,260	26,791	0	2,228	8,720
15 Emory University .....	189,170	0	6,304	0	856	179,929	1,008	1,073	0
16 Case Western Reserve U .....	182,332	26,239	6,525	283	489	143,074	662	5,060	0
17 University of Rochester .....	177,126	41,864	13,049	559	3,280	110,841	6,276	1,241	16
18 New York University .....	167,179	0	5,775	242	11,611	136,329	4,944	5,979	2,299
19 University of Chicago .....	162,805	0	34,942	5,966	2,487	108,200	2,393	8,780	37
20 Vanderbilt University .....	149,675	9,764	14,698	296	822	117,715	2,262	4,118	0
Total, 1st 20 institutions .....	6,071,455	811,477	688,773	188,177	306,397	3,762,414	58,727	157,553	97,937
21 Carnegie Mellon U .....	142,174	38,676	8,586	1,731	62,589	12,076	6,300	9,101	3,115
22 Boston University .....	141,102	16,110	11,945	3,775	3,245	94,478	2,465	1,868	7,216
23 University of Miami .....	139,608	1,368	2,354	28,452	259	97,838	5,914	3,423	0
24 Mt Sinai Sch Med .....	127,765	0	0	0	0	127,765	0	0	0
25 Princeton University .....	124,237	39,080	28,018	10,630	7,125	19,429	5,246	14,709	0
26 Rockefeller Univ, The .....	121,519	0	3,579	0	2,225	115,715	0	0	0
27 Yeshiva University .....	111,771	0	0	0	0	111,771	0	0	0
28 Georgetown University .....	111,426	0	5,473e	35e	91e	98,480e	472e	6,816e	59e
29 Tufts University .....	101,728	7,346	3,843	1,155	1,526	81,075	2,747	4,036	0
30 Tulane University .....	87,324	6,224	2,653	487	467	72,140	566	1,777	3,010
Total, 1st 30 institutions .....	7,280,109	920,281	755,224	234,442	383,924	4,593,181	82,437	199,283	111,337
31 Wake Forest University .....	82,827	0	1,188	0	162	81,220	0	0	257
32 Thomas Jefferson U .....	78,410	0	0	0	0	78,410	0	0	0
33 Brown University .....	76,330	9,529	8,027	5,535	12,037	34,242	2,236	4,724	0
34 Woods Hole Oceanogr Inst ...	71,722	12,999	0	58,723	0	0	0	0	0
35 Dartmouth College .....	69,522	7,365	3,149	727	2,289	53,543	1,216	772	461
36 George Washington U .....	66,757	8,781	1,952	104	13,931	23,269	541	6,461	11,718
37 Medical Col of Wisconsin .....	61,446	0	0	0	0	61,446	0	0	0
38 Rush University .....	60,957	0	0	0	0	58,166	2,791	0	0
39 Brandeis University .....	48,305	0	3,800	0	1,324	20,127	1,372	21,682	0
40 Rice University .....	41,069	7,960	10,698	3,969	13,305	4,722	271	144	0
Total, 1st 40 institutions .....	7,937,454	966,915	784,038	303,500	426,972	5,008,326	90,864	233,066	123,773
41 Syracuse University .....	39,640	9,157	6,924	1,189	12,111	4,522	1,873	2,796	1,068
42 Rensselaer Polytech Inst .....	39,034	28,275	5,484	893	1,924	2,102	29	177	150
43 University of Dayton .....	36,937	33,386	2,166	220	177	251	369	3	365
44 University of Notre Dame .....	30,483	8,872	13,360	0	1,415	5,310	974	552	0
45 Northeastern University .....	30,209	13,118	6,722	0	1,887	6,183	1,368	931	0
46 Loyola U of Chicago .....	29,001	0	597	28	140	25,799	705	1,732	0
47 Lehigh University .....	27,902	22,190	3,276	1,152	312	752	146	74	0
48 Saint Louis University .....	27,817	0	4	520	57	27,118	27	1	90
49 MCP Hahnemann Univ .....	27,516	0	0	0	0	27,254	151	111	0
50 C R Drew U of Med & Sci .....	24,484	0	0	0	0	24,484	0	0	0
Total, 1st 50 institutions .....	8,250,477	1,081,913	822,571	307,502	444,995	5,132,101	96,506	239,443	125,446

See explanatory information and SOURCE at end of table.

**Table B-44. R&D expenditures at private universities and colleges,  
by science and engineering field: fiscal year 1999**

[Dollars in thousands]

Page 2 of 3

Institution and ranking	Total	Engi- neering	Physical sciences	Environ- mental sciences	Math & computer sciences	Life sciences	Psy- chology	Social sciences	Other sciences
51 Eastern VA Med School .....	24,096	0	0	0	0	24,096	0	0	0
52 Brigham Young University .....	23,985	6,329	2,760	148	1,355	3,285	533	2,072	7,503
53 Howard University .....	23,557	2,182	4,479	60	1,410	13,457	987	956	26
54 Drexel University .....	22,397	17,351	1,432	309	1,984	0	0	1,321	0
55 Boston College .....	21,726	0	6,377	547	9,700	2,138	327	2,637	0
56 New York Medical College .....	20,436	0	0	0	0	20,436	0	0	0
57 OR Grad Inst Sci & Tech .....	19,818	2,988	3,517	3,759	9,519	0	0	35	0
58 Clark Atlanta University .....	19,467	3,237 i	3,441 i	5,390 i	3,610 i	3,025 i	0 i	764 i	0 i
59 Loma Linda University .....	18,818	0	0	0	0	18,818	0	0	0
60 Mercer University .....	17,250	13,928	888	0	133	2,288	7	6	0
Total, 1st 60 institutions .....	8,462,027	1,127,928	845,465	317,715	472,706	5,219,644	98,360	247,234	132,975
61 Creighton University .....	16,015	0	171	48	4	15,725	0	67	0
62 Stevens Inst of Tech .....	13,794	7,696	2,128	1,222	658	0	0	2,090	0
63 Morehouse School of Med .....	13,622	0	0	0	0	13,622	0	0	0
64 Illinois Inst of Tech .....	13,438	4,955	1,826	0	321	6,290	46	0	0
65 Catholic U of America .....	13,317	2,642	7,987	0	0	979	1,221	480	8
66 Inst of Paper Sci & Tech .....	10,533e	5,310 i	4,358 i	0 i	0 i	865 i	0 i	0 i	0 i
67 Albany Medical College .....	10,377	0	0	0	0	10,377	0	0	0
68 University of Denver .....	10,247	1,858	3,389	0	200	839	1,743	2,218	0
69 University of Tulsa .....	10,040	6,074	2,083	415	449	879	110	30	0
70 Worcester Polytech Inst .....	9,618	7,463	800	0	1,033	320	0	2	0
Total, 1st 70 institutions .....	8,583,028	1,163,926	868,207	319,400	475,371	5,269,540	101,480	252,121	132,983
71 Meharry Medical College .....	9,460	0	0	320	7	9,133	0	0	0
72 Southern Methodist U .....	9,401	2,527	1,100	2,672	1,002	1,419	126	284	271
73 Rochester Inst of Tech .....	9,340e	1,025e	4,283e	1,094e	0	2,830e	0	0	108e
74 Tuskegee University .....	9,223	940	173	0	0	6,248	0	1,862	0
75 Polytechnic University .....	9,050	7,035	390	0	1,625	0	0	0	0
76 Johnson C Smith U .....	8,659	302 i	8,056 i	0 i	152 i	0 i	0 i	149 i	0 i
77 Hampton University .....	7,472	392	5,463	1,517	100	0	0	0	0
78 Teachers Col, Columbia U .....	7,206	0	0	0	300	421	2,250	4,235	0
79 Clarkson University .....	6,989	5,222	1,226	0	295	133	113	0	0
80 Finch U Hlth Sci Chicago .....	6,764	0	0	0	0	6,534	230	0	0
Total, 1st 80 institutions .....	8,666,592	1,181,369	888,898	325,003	478,852	5,296,258	104,199	258,651	133,362
81 Marquette University .....	6,469	2,483	1,226	0	297	2,097	58	308	0
82 Alfred University .....	5,857	5,857	0	0	0	0	0	0	0
83 Florida Inst of Tech .....	5,830	2,280	923	982	865	608	172	0	0
84 Harvey Mudd College .....	5,699e	1,541 i	865 i	58 i	206 i	2,461 i	41 i	236 i	291 i
85 Wesleyan University .....	5,373	0	1,883	228	86	2,140	842	194	0
86 New School University .....	5,230	0	0	0	0	692	175	4,363	0
87 Radcliffe College .....	4,948	346 i	1,491 i	250 i	227 i	1,790 i	206 i	580 i	58 i
88 Wellesley College .....	4,943 i	0 i	972 i	0 i	225 i	2,696 i	0 i	1,050 i	0 i
89 U Ctrl Del Caribe Esc Med .....	4,660	0	0	0	0	4,660	0	0	0
90 Grinnell College .....	4,300	429 i	929 i	36 i	315 i	1,669 i	53 i	868 i	1 i
Total, 1st 90 institutions .....	8,719,901	1,194,305	897,187	326,557	481,073	5,315,071	105,746	266,250	133,712

See explanatory information and SOURCE at end of table.

**Table B-44. R&D expenditures at private universities and colleges,  
by science and engineering field: fiscal year 1999**

[Dollars in thousands]

Page 3 of 3

Institution and ranking	Total	Engi- neering	Physical sciences	Environ- mental sciences	Math & computer sciences	Life sciences	Psy- chology	Social sciences	Other sciences
91 Texas Christian U .....	4,061	281	820	41	21	58	2,794	46	0
92 Fisk University .....	4,034	0	2,851	0	250	368	454	111	0
93 Villanova University .....	3,950	2,189	720	0	85	705	126	125	0
94 Bryn Mawr College .....	3,929	0	1,146	387	475	804	467	650	0
95 Xavier University of LA .....	3,294	0	311	0	0	508	0	0	2,475
96 Fordham University .....	3,134	0	68	106	35	1,065	587	1,273	0
97 Nova Southeastern U .....	3,106	0	0	1,860	0	25	1,165	56	0
98 Ponce School of Medicine .....	3,105	0	0	0	0	3,105	0	0	0
99 American University .....	2,987	0	1,135	0	261	288	143	1,160	0
100 Hampshire College .....	2,900	880	234	17	197	309	387	874	2
Total, 1st 100 institutions .....	8,754,401	1,197,655	904,472	328,968	482,397	5,322,306	111,869	270,545	136,189
Total, all other sampled institutions .....	106,430	16,438	20,605	4,720	7,425	35,624	7,851	9,102	4,665

<sup>1</sup> Johns Hopkins University includes Applied Physics Laboratory.

**NOTE:** Because of rounding, detail may not add to totals.

**KEY:** e = estimated  
i = imputed

**SOURCE:** National Science Foundation/Division of Science Resources Studies, Survey of Research and Development Expenditures at Universities and Colleges, Fiscal Year 1999