

**Table B-45. Federally financed 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	Engi- neering	Physical sciences	Environ- mental sciences	Math & computer sciences	Life sciences	Psy- chology	Social sciences	Other sciences
Total, all institutions .....	6,379,668	924,690	805,273	277,899	397,522	3,713,916	89,782	116,540	54,046
1 Johns Hopkins U <sup>1</sup> .....	770,580	221,320	119,458	42,057	94,697	281,249	3,237	5,355	3,207
2 Stanford University .....	353,947	98,864	49,719	6,041	20,070	174,195	3,420	1,638	0
3 MA Institute of Tech .....	308,921	110,676	89,506	20,150	30,753	49,466	832	2,328	5,210
4 U of Pennsylvania .....	279,013	10,598	22,655	66	7,986	227,734	3,380	5,942	652
5 Harvard University .....	266,019	4,624	29,956	13,424	2,955	183,218	3,953	13,426	14,463
6 Columbia U in City of NY .....	240,158	13,450	20,581	40,712	5,631	153,549	2,488	3,747	0
7 Cornell University .....	234,792	31,243	64,965	2,565	13,603	115,982	2,327	4,107	0
8 Washington University .....	218,598	5,819	7,644	2,779	6,647	191,983	1,439	2,232	55
9 Yale University .....	213,404	4,723	16,174	1,780	4,071	183,022	2,450	1,184	0
10 U of Southern California .....	199,619	32,688	8,099	8,698	48,576	94,480	3,705	2,927	446
Total, 1st 10 institutions .....	3,085,051	534,005	428,757	138,272	234,989	1,654,878	27,231	42,886	24,033
11 California Inst of Tech .....	195,303	37,675	103,926	14,141	10,907	26,077	0	966	1,611
12 Duke University .....	186,757	11,002	14,936	3,921	2,225	143,274	3,836	7,563	0
13 Baylor Col of Medicine .....	141,111	0	0	0	0	141,111	0	0	0
14 Case Western Reserve U .....	140,178	17,695	5,413	223	317	114,553	466	1,511	0
15 University of Chicago .....	135,720	0	32,554	4,617	2,226	91,591	1,289	3,443	0
16 University of Rochester .....	132,852	36,235	12,076	474	3,156	75,975	4,036	900	0
17 Emory University .....	132,816	0	4,845	0	449	126,500	615	407	0
18 Northwestern University .....	132,647	30,446	12,193	537	2,514	82,942	1,595	1,915	505
19 Boston University .....	123,390	14,767	11,472	3,095	3,071	80,675	2,364	1,118	6,828
20 Vanderbilt University .....	116,887	6,595	13,027	250	707	91,369	1,774	3,165	0
Total, 1st 20 institutions .....	4,522,712	688,420	639,199	165,530	260,561	2,628,945	43,206	63,874	32,977
21 New York University .....	111,124	0	4,288	114	8,625	89,173	3,907	3,334	1,683
22 University of Miami .....	101,883	937	2,236	25,455	168	63,869	5,829	3,389	0
23 Carnegie Mellon U .....	90,408	24,272	5,804	229	41,873	6,249	4,026	6,464	1,491
24 Yeshiva University .....	89,680	0	0	0	0	89,680	0	0	0
25 Mt Sinai Sch Med .....	84,624	0	0	0	0	84,624	0	0	0
26 Georgetown University .....	83,972	0	4,372	31	65	76,707	423	2,372	2
27 Princeton University .....	72,974	22,316	20,381	6,696	3,793	13,148	4,080	2,560	0
28 Tufts University .....	63,618	3,634	2,684	103	1,104	54,020	1,489	584	0
29 Wake Forest University .....	60,293	0	782	0	152	59,351	0	0	8
30 Woods Hole Oceanogr Inst .....	59,534	9,297	0	50,237	0	0	0	0	0
Total, 1st 30 institutions .....	5,340,822	748,876	679,746	248,395	316,341	3,165,766	62,960	82,577	36,161
31 Thomas Jefferson U .....	56,369	0	0	0	0	56,369	0	0	0
32 Tulane University .....	50,779	3,138	1,376	384	395	41,482	476	1,306	2,222
33 George Washington U .....	49,944	7,506	1,608	94	13,388	15,349	390	1,498	10,111
34 Medical Col of Wisconsin .....	47,087	0	0	0	0	47,087	0	0	0
35 Dartmouth College .....	46,741	5,526	2,243	457	1,710	35,707	428	489	181
36 Brown University .....	45,276	5,250	4,179	3,748	8,071	21,568	1,396	1,064	0
37 Rockefeller Univ, The .....	45,010	0	2,055	0	266	42,689	0	0	0
38 Rice University .....	35,012	5,547	8,674	3,784	12,834	3,809	250	114	0
39 Rush University .....	31,119	0	0	0	0	30,034	1,085	0	0
40 University of Dayton .....	30,755	28,403	1,609	215	95	125	308	0	0
Total, 1st 40 institutions .....	5,778,914	804,246	701,490	257,077	353,100	3,459,985	67,293	87,048	48,675
41 Syracuse University .....	30,050	6,941	5,249	901	9,181	3,428	1,420	2,120	810
42 Brandeis University .....	29,423	0	2,807	0	1,194	14,534	1,301	9,587	0
43 Saint Louis University .....	23,722	0	0	429	53	23,239	0	1	0
44 University of Notre Dame .....	23,614	7,012	11,755	0	1,136	2,801	696	214	0
45 Rensselaer Polytech Inst .....	22,803	14,857	4,455	778	1,509	1,008	0	146	50
46 Northeastern University .....	22,776	9,835	5,036	0	1,466	4,934	1,026	479	0
47 C R Drew U of Med & Sci .....	22,212	0	0	0	0	22,212	0	0	0
48 Howard University .....	21,658	1,946	4,226	60	1,314	12,248	980	878	6
49 Loyola U of Chicago .....	17,588	0	359	26	133	15,904	622	544	0
50 MCP Hahnemann Univ .....	17,281	0	0	0	0	17,039	133	109	0
Total, 1st 50 institutions .....	6,010,041	844,837	735,377	259,271	369,086	3,577,332	73,471	101,126	49,541

See explanatory information and SOURCE at end of table.

**Table B-45. Federally financed 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 OR Grad Inst Sci & Tech .....	15,303	1,515	3,214	3,034	7,522	0	0	18	0
52 Boston College .....	14,492	0	4,708	465	6,879	1,219	262	959	0
53 New York Medical College ....	14,029	0	0	0	0	14,029	0	0	0
54 Lehigh University .....	13,161	9,152	2,127	1,060	115	574	129	4	0
55 Morehouse School of Med ....	12,948	0	0	0	0	12,948	0	0	0
56 Drexel University .....	12,914	10,620	1,131	255	846	0	0	62	0
57 Mercer University .....	12,657	11,608	337	0	0	712	0	0	0
58 Loma Linda University .....	12,217	0	0	0	0	12,217	0	0	0
59 Clark Atlanta University .....	12,116	2,171 i	2,295 i	3,340 i	1,406 i	2,563 i	0 i	341 i	0 i
60 Brigham Young University ....	11,414	4,701	2,036	129	863	2,481	46	931	227
Total, 1st 60 institutions .....	6,141,292	884,604	751,225	267,554	386,717	3,624,075	73,908	103,441	49,768
61 Eastern VA Med School .....	11,354	0	0	0	0	11,354	0	0	0
62 Catholic U of America .....	11,064	2,056	7,042	0	0	763	1,131	64	8
63 Illinois Inst of Tech .....	9,777	3,931	760	0	295	4,781	10	0	0
64 Meharry Medical College .....	9,192	0	0	320	7	8,865	0	0	0
65 University of Denver .....	9,081	1,503	2,841	0	155	765	1,660	2,157	0
66 Johnson C Smith U .....	8,659	302 i	8,056 i	0 i	152 i	0 i	0 i	149 i	0 i
67 Albany Medical College .....	7,437	0	0	0	0	7,437	0	0	0
68 Hampton University .....	7,168	392	5,159	1,517	100	0	0	0	0
69 Stevens Inst of Tech .....	7,084	4,443	1,041	177	416	0	0	1,007	0
70 Tuskegee University .....	6,942	687	151	0	0	4,907	0	1,197	0
Total, 1st 70 institutions .....	6,229,050	897,918	776,275	269,568	387,842	3,662,947	76,709	108,015	49,776
71 Southern Methodist U .....	6,387	1,030	618	2,609	605	1,247	80	198	0
72 University of Tulsa .....	5,272	2,305	1,699	307	360	540	54	7	0
73 Creighton University .....	4,929	0	168	48	0	4,711	0	2	0
74 Finch U Hlth Sci Chicago .....	4,860	0	0	0	0	4,647	213	0	0
75 Polytechnic University .....	4,595	3,404	195	0	996	0	0	0	0
76 U Ctrl Del Caribe Esc Med ....	4,345	0	0	0	0	4,345	0	0	0
77 Worcester Polytech Inst .....	4,292	2,662	596	0	745	287	0	2	0
78 Teachers Col, Columbia U ....	4,119	0	0	0	281	342	1,504	1,992	0
79 Clarkson University .....	3,694	2,498	718	0	253	112	113	0	0
80 Wesleyan University .....	3,640	0	1,406	138	2	1,318	687	89	0
Total, 1st 80 institutions .....	6,275,183	909,817	781,675	272,670	391,084	3,680,496	79,360	110,305	49,776
81 Villanova University .....	3,470	1,921 i	633 i	0	75 i	619 i	111 i	111 i	0
82 Marquette University .....	3,416	857	796	0	172	1,441	21	129	0
83 Inst of Paper Sci & Tech .....	3,398e	1,151 i	2,247 i	0 i	0 i	0 i	0 i	0 i	0 i
84 Texas Christian U .....	3,257	106	310	35	13	3	2,790	0	0
85 Xavier University of LA .....	3,240	0	311	0	0	508	0	0	2,421
86 Ponce School of Medicine ....	2,960	0	0	0	0	2,960	0	0	0
87 Fisk University .....	2,846	0	2,524	0	211	55	0	56	0
88 American University .....	2,735	0	1,123	0	257	288	134	933	0
89 Florida Inst of Tech .....	2,735	1,195	519	294	344	383	0	0	0
90 Rochester Inst of Tech .....	2,690	223	1,195	213	0	1,054	0	0	5
Total, 1st 90 institutions .....	6,305,930	915,270	791,333	273,212	392,156	3,687,807	82,416	111,534	52,202

See explanatory information and SOURCE at end of table.

**Table B-45. Federally financed 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 Clark University .....	2,651	1,506	877	0	10	104	136	18	0
92 Nova Southeastern U .....	2,637	0	0	1,458	0	2	1,165	12	0
93 Radcliffe College .....	2,361	91 i	934 i	156 i	80 i	818 i	144 i	120 i	18 i
94 Wellesley College .....	2,304 i	0 i	455 i	0 i	103 i	1,287 i	0 i	459 i	0 i
95 Gallaudet University .....	2,264	0	0	0	0	137	788	1,339	0
96 Morehouse College .....	1,843	0	263	0	63	954	257	94	212
97 Spelman College .....	1,832	0	1,047	0	10	737	34	4	0
98 Fordham University .....	1,725	0	0	72	0	517	581	555	0
99 Ithaca College .....	1,607	0	44	0	1,307	190	66	0	0
100 Duquesne University .....	1,531	0	389	0	75	1,006	30	31	0
Total, 1st 100 institutions .....	6,326,685	916,867	795,342	274,898	393,804	3,693,559	85,617	114,166	52,432
Total, all other sampled institutions .....	52,983	7,823	9,931	3,001	3,718	20,357	4,165	2,374	1,614

<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