

Table B-47. Total and federally financed R&D expenditures in engineering at universities and colleges, ranked by total R&D expenditures in engineering: fiscal years 1997-2000

[Dollars in thousands]

Institution and ranking	Total				Federally financed			
	1997	1998	1999	2000	1997	1998	1999	2000
Total, all institutions	3,838,747	4,068,829	4,261,387	4,550,315	2,255,827	2,353,658	2,439,180	2,562,937
1 Johns Hopkins U ¹	204,860	216,973	225,813	251,993	200,568	212,747	221,320	247,231
2 Georgia Institute of Tech	164,359	165,472	172,053	197,589	76,996	72,542	73,638	81,862
3 Pennsylvania State U	130,431	142,907	138,455	162,795	79,149	85,368	80,195	99,076
4 MA Institute of Tech	166,049	178,664	153,789	149,282	125,617	127,064	110,676	106,362
5 University of Michigan	113,193	109,219	131,570	136,176	67,125	68,083	83,573	86,675
6 U CA Berkeley	88,331	99,697	107,062	120,757	37,062	48,225	51,323	56,757
7 Texas A&M University	96,936	108,306	108,249	118,494	31,835	27,986	31,065	31,008
8 Stanford University	116,322	116,364	114,272	107,473	104,139	102,752	98,864	91,593
9 U TX at Austin	108,658	81,547	95,987	100,294	73,615	46,499	61,383	65,769
10 U of IL Urbana-Champaign	63,113	87,557	91,373	95,353	38,292	51,751	53,912	57,385
Total, 1st 10 institutions	1,252,252	1,306,706	1,338,623	1,440,206	834,398	843,017	865,949	923,718
11 Ohio State University	65,260	70,275	77,090	82,705	18,521	18,760	20,467	21,302
12 NC State University	70,033	80,278	80,586	76,839	26,624	33,161	27,008	25,259
13 U MD at College Park	67,188	67,267	76,548	76,091	33,368	38,734	42,645	40,494
14 Purdue University	65,009	68,096	70,106	71,515	34,032	34,899	36,509	31,300
15 U WI-Madison	55,671	56,512	61,363	71,293	34,233	34,042	34,500	41,315
16 VA Polytech Inst & St U	49,254	48,844	53,530	66,963	27,629	25,000	25,584	26,084
17 Cornell University	44,522	44,687	49,641	54,860	27,116	28,416	31,243	30,977
18 University of Arizona	22,777	42,394	43,094	48,272	12,231	24,232	25,320	29,305
19 University of Florida	38,296	48,621	46,186	47,513	17,426	21,735	20,227	23,973
20 Iowa State University	41,721	40,370	40,019	47,049	17,942	14,229	13,207	16,863
Total, 1st 20 institutions	1,771,983	1,874,050	1,936,786	2,083,306	1,083,520	1,116,225	1,142,659	1,210,590
21 New Mexico State Univ	47,136	46,187	47,632	46,790	39,249	37,487	38,257	39,179
22 U CA San Diego	33,055	46,169	47,725	46,660	19,434	27,585	25,273	24,534
23 University of Rochester	36,633	38,158	41,864	46,494	31,597	34,243	36,235	40,942
24 U CA Los Angeles	34,411	42,967	46,108	46,434	22,732	28,171	29,527	29,689
25 U of Southern California	42,701	38,686	42,148	46,319	32,964	30,530	32,688	34,857
26 Northwestern University	30,502	42,636	42,618	44,685	17,076	27,047	30,446	30,492
27 California Inst of Tech	32,158	35,630	40,470	43,320	29,158	31,536	37,675	25,010
28 Louisiana State U System	36,918	35,605	37,781	41,628	13,844	13,535	15,326	18,937
29 University of Minnesota	38,689	37,595	38,564	41,343	24,508	24,122	24,055	24,515
30 Utah State University	25,469	33,933	32,083	41,074	18,843	29,337	27,360	31,180
Total, 1st 30 institutions	2,129,655	2,271,616	2,353,779	2,528,053	1,332,925	1,399,818	1,439,501	1,509,925
31 Princeton University	35,120	35,805	39,080	41,026	21,719	20,707	22,316	21,220
32 U of Washington	32,716	34,277	34,889	39,009	20,333	21,927	21,875	24,906
33 U CA Santa Barbara	34,363	34,985	37,147	38,902	25,746	26,427	27,670	28,834
34 Mississippi State U	17,868	22,862	30,713	38,107	13,863	15,833	20,914	25,329
35 Carnegie Mellon U	30,575	34,363	38,676	36,892	20,330	23,142	24,272	24,754
36 Arizona State University	27,720	32,745	34,378	36,612	10,755	12,501	13,841	13,978
37 University of Dayton	40,719	41,418	33,386	36,325	33,438	34,141	28,403	29,831
38 Clemson University	26,549	26,584	30,583	35,374	8,876	8,315	8,331	9,636
39 U CA Davis	19,880	27,726	29,528	35,197	6,996	10,216	10,069	12,693
40 Rutgers the State U NJ	21,065	25,908	29,097	33,681	10,772	11,517	12,867	15,101
Total, 1st 40 institutions	2,416,230	2,588,289	2,691,256	2,899,178	1,505,753	1,584,544	1,630,059	1,716,207
41 U of Tennessee System	31,024	27,827	27,772	32,928	13,301	12,855	11,676	11,971
42 SUNY at Buffalo	22,156	27,690	29,946	32,301	13,538	14,129	14,579	16,121
43 University of Kentucky	21,118	25,174	27,478	31,426	10,408	9,871	10,140	12,253
44 Rensselaer Polytech Inst	27,369	23,963	28,275	31,036	15,900	11,925	14,857	17,616
45 University of Colorado	31,608	28,935	26,187	31,022	17,669	16,824	15,925	23,231
46 University of Connecticut	34,110	24,166	23,793	27,294	5,971	5,564	6,041	5,228
47 University of Virginia	19,678	22,490	24,276	26,910	13,103	14,551	16,824	18,543
48 University of New Mexico	30,964	27,243	26,998	26,464	22,742	20,093	21,305	21,979
49 Case Western Reserve U	28,436	28,340	26,239	25,518	19,105	18,166	17,695	17,301
50 University of Utah	18,968	19,174	21,816	25,293	12,338	12,197	13,405	15,561
Total, 1st 50 institutions	2,681,661	2,843,291	2,954,036	3,189,370	1,649,828	1,720,719	1,772,506	1,876,011

See explanatory information and SOURCE at end of table.

Table B-47. Total and federally financed R&D expenditures in engineering at universities and colleges, ranked by total R&D expenditures in engineering: fiscal years 1997-2000

[Dollars in thousands]

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Institution and ranking	Total				Federally financed			
	1997	1998	1999	2000	1997	1998	1999	2000
51 University of Cincinnati	18,705	21,569	25,453	24,127	10,894	11,992	12,801	11,604
52 Auburn University	17,287	17,239	20,575	23,859	11,017	10,644	11,392	12,106
53 University of Delaware	22,717	23,408	26,908	23,730	10,574	10,647	11,701	12,009
54 U of South Carolina	12,003	17,116	21,578	23,095	7,534	10,545	12,595	14,923
55 U of Iowa	18,169	21,888	20,409	22,921	7,118	8,642	8,495	9,534
56 U of Nebraska at Lincoln	19,732	20,029 i	22,112	22,365	3,715	3,771 i	4,257	4,400
57 U of Missouri Columbia	16,712	16,606	20,312	21,818	4,131	4,254	6,105	8,669
58 West Virginia University	14,102	18,923	20,601	20,560	7,636	9,472	10,188	8,668
59 U of Missouri Rolla	14,573	15,086	18,277	19,698	5,754	5,439	6,141	7,161
60 Lehigh University	20,065	20,354	22,190	19,503	10,204	8,842	9,152	8,460
Total, 1st 60 institutions	2,855,726	3,035,509	3,172,451	3,411,046	1,728,405	1,804,967	1,865,333	1,973,545
61 U of IL Chicago	11,892	12,979	15,107	19,007	4,451	5,007	5,696	9,333
62 Michigan Tech University	15,714	16,959	18,896	18,387	8,140	8,166	9,581	10,041
63 Michigan State University	18,764	17,837	16,673	18,348	5,987	5,096	4,913	5,913
64 NJ Inst of Technology	19,510	19,714	19,714	18,274	12,138	11,162	11,162	3,358
65 University of Houston	23,311	19,097	17,661	18,081	8,718	7,783	5,423	5,721
66 U MA Amherst	14,212	16,264	15,146	17,476	5,100	5,894	5,747	6,800
67 Boston University	12,878	14,969	16,110	17,455	9,361	10,610	14,767	15,274
68 Texas Tech University	13,498	16,221	16,384	17,363	5,092	6,628	6,861	6,178
69 U of Alabama Huntsville	12,149	14,387	16,887	17,154	6,603	7,260	8,556	8,964
70 University of Alabama, The	11,377	11,474	13,241	17,058	7,249	8,518	9,939	11,227
Total, 1st 70 institutions	3,009,031	3,195,410	3,338,270	3,589,649	1,801,244	1,881,091	1,947,978	2,056,354
71 Oklahoma State University	11,294	12,899	14,655	16,752	5,355	5,604	5,706	6,465
72 U of South Florida	16,671	15,728	12,902	16,698	5,458	6,284	5,106	4,615
73 Washington State U	10,525	12,321	14,288	16,660	5,447	6,982	7,727	9,878
74 Woods Hole Oceanogr Inst	15,891	12,016	12,999	16,637	12,389	9,096	9,297	12,801
75 Columbia U in City of NY	14,114	14,901	15,645	16,393	9,254	11,438	13,450	13,068
76 Kansas State University	12,825	12,972	13,356	15,935	5,231	5,110	4,526	5,611
77 Drexel University	13,317	12,867	17,351	15,828	8,230	8,025	10,620	9,795
78 SUNY at Stony Brook	8,856	10,083	11,047	15,574	5,325	6,498	6,410	8,098
79 U CA Irvine	10,709	11,658	12,461	15,518	4,474	4,288	4,787	5,590
80 Colorado State University	16,207	17,998	13,670	15,452	8,267	8,653	6,430	8,162
Total, 1st 80 institutions	3,139,440	3,328,853	3,476,644	3,751,096	1,870,674	1,953,069	2,022,037	2,140,437
81 Duke University	12,327	13,710	14,650	15,249	8,005	10,155	11,002	11,358
82 University of Oklahoma	15,554	14,008	15,592	15,163	4,066	3,264	3,176	4,122
83 Florida International U	8,648	8,906	10,359	14,641	7,253	7,470	8,984	8,576
84 NM Inst Mining & Tech	14,451	15,526	16,835	14,393	7,018	5,878	7,807	5,912
85 Oregon State University	14,133	14,178	14,440	13,903	8,922	9,364	9,648	8,651
86 Colorado School of Mines	13,486	14,296	14,578	13,878	5,522	4,977	5,967	5,195
87 Mercer University	10,397 i	11,561	13,928	13,639	9,856 i	11,140	11,608	10,049
88 U of Pennsylvania	11,740	12,785	13,911	13,315	8,609	10,123	10,598	9,651
89 Wichita State University	9,223	10,531	11,369	12,808	1,677	1,686	1,723	3,166
90 U of New Hampshire	3,563	5,520	8,207	12,462	1,014	1,409	2,889	4,789
Total, 1st 90 institutions	3,252,962	3,449,874	3,610,513	3,890,547	1,932,616	2,018,535	2,095,439	2,211,906

See explanatory information and SOURCE at end of table.

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[Dollars in thousands]

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Institution and ranking	Total				Federally financed			
	1997	1998	1999	2000	1997	1998	1999	2000
91 U of Arkansas Main	9,220	11,576	9,638	12,460	3,816	4,714	3,896	6,504
92 University of Kansas	10,076	13,751	13,085	12,403	4,664	7,674	5,799	5,570
93 Vanderbilt University	8,441	7,529	9,764	12,223	6,426	4,669	6,595	8,667
94 Wayne State University	10,768	10,633	10,823	12,155	3,025	2,613	2,925	3,557
95 University of Pittsburgh	7,182	7,532	8,912	11,858	4,038	3,656	4,168	6,595
96 Old Dominion University	6,446	7,933	10,056	11,712	4,021	5,542	6,196	7,558
97 Northeastern University	8,280	11,274	13,118	11,680	6,318	8,960	9,835	8,250
98 Florida State University	2,650	3,170	11,237	11,673	1,798	1,966	7,431	7,159
99 Florida Atlantic U	6,485	8,643	10,035	11,325	5,399	6,920	8,146	8,496
100 Syracuse University	9,465 i	8,927	9,157	10,653	6,984 i	8,570	6,941	6,844
Total, 1st 100 institutions	3,331,975	3,540,842	3,716,338	4,008,689	1,979,105	2,073,819	2,157,371	2,281,106
Total, all other sampled institutions	506,772	527,987	545,049	541,626	276,722	279,839	281,809	281,831

¹ Johns Hopkins University includes Applied Physics Laboratory.

KEY: i = imputed

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

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Research and Development Expenditures at Universities and Colleges, Fiscal Year 2000