

Table B-49. Federally financed R&D expenditures in engineering subfields at universities and colleges: fiscal year 2000

[Dollars in thousands]

Institution and ranking	Total	Aero/ astro- nautical	Bioengin- eering/ Biomed- ical	Chemical	Civil	Elec- trical	Mechan- ical	Metal- lurgical and materials	Other
Total, all institutions	2,562,937	176,037	90,247	194,694	232,130	694,518	382,391	225,930	566,990
1 Johns Hopkins U ¹	247,231	23,634 i	8,864 i	5,295 i	4,867 i	73,461 i	50,418 i	700 i	79,992
2 MA Institute of Tech	106,362	14,312	10,514	10,131	9,121	18,623	11,822	9,320	22,519
3 Pennsylvania State U	99,076	1,058	1,889	8,491	1,731	28,864	13,570	20,315	23,158
4 Stanford University	91,593	5,236	0	5,378	5,905	20,709	15,736	1,901	36,728
5 University of Michigan	86,675	3,192	1,568	2,315	7,610	28,617	15,034	3,505	24,834
6 Georgia Institute of Tech	81,862	7,657	3,062	2,460	5,160	38,387	9,704	4,610	10,822
7 U TX at Austin	65,769	7,814	2,094	3,823	847	23,416	8,242	7,503	12,030
8 U of IL Urbana-Champaign	57,385	3,559	0	3,001	7,627	19,753	8,618	9,242	5,585
9 U CA Berkeley	56,757	0	0	1,880	8,964	36,018	0	0	9,895
10 U WI-Madison	41,315	0	175	4,295	2,360	3,753	1,442	2,264	27,026
Total, 1st 10 institutions	934,025	66,462	28,166	47,069	54,192	291,601	134,586	59,360	252,589
11 University of Rochester	40,942	0	0	1,574	0	1,999	32,458	0	4,911
12 U MD at College Park	40,494	7,792	0	969	2,457	6,712	6,104	4,126	12,334
13 New Mexico State Univ	39,179	20,617	0	4,736	547	5,941	372	133	6,833
14 U of Southern California	34,857	1,293	2,705	850	3,347	19,895	1,073	1,671	4,023
15 Purdue University	31,300	2,859	1,529	2,403	2,880	11,199	3,078	1,585	5,767
16 Utah State University	31,180	0	0	0	397	25,243	3,595	0	1,945
17 Texas A&M University	31,008	2,540	290	1,963	7,031	1,335	2,793	208	14,848
18 Cornell University	30,977	2,430	0	1,647	1,982	9,020	772	2,467	12,659
19 Northwestern University	30,492	0	1,443	2,084	2,609	3,669	2,317	9,686	8,684
20 University of Dayton	29,831	1,013	0	441	158	475	9,744	13,723	4,277
Total, 1st 20 institutions	1,274,285	105,006	34,133	63,736	75,600	377,089	196,892	92,959	328,870
21 U CA Los Angeles	29,689	0	0	1,919	481	14,155	11,819	1,315	0
22 University of Arizona	29,305	654	687	2,901	6,079	8,728	7,451	1,732	1,073
23 U CA Santa Barbara	28,834	0	0	3,907	0	16,224	1,842	6,861	0
24 VA Polytech Inst & St U	26,084	2,171	136	750	3,652	7,700	6,312	1,552	3,811
25 Mississippi State U	25,329	1,262	0	412	484	2,526	887	0	19,758
26 NC State University	25,259	1,717	1,111	6,177	2,751	4,583	2,883	4,361	1,676
27 California Inst of Tech	25,010	3,530	0	2,772	139	7,018	2,205	1,379	7,967
28 U of Washington	24,906	2,319	1,946	2,753	4,801	1,670	503	10,914	0
29 Carnegie Mellon U	24,754	0	0	2,223	1,812	8,562	2,038	2,915	7,204
30 U CA San Diego	24,534	0	5,837	0	0	11,006	2,603	245	4,843
Total, 1st 30 institutions	1,537,989	116,659	43,850	87,550	95,799	459,261	235,435	124,233	375,202
31 University of Minnesota	24,515	3,646	41	5,682	3,054	5,050	5,036	0	2,006
32 University of Florida	23,973	1,649	0	2,544	3,932	2,104	1,341	5,115	7,288
33 University of Colorado	23,231	9,977 i	0 i	2,299 i	4,358	3,807	2,276	114 i	400
34 University of New Mexico	21,979	0	0	1,895	3,872	5,724	860	8,538	1,090
35 Ohio State University	21,302	458	361	1,178	1,127	3,740	3,335	5,428	5,675
36 Princeton University	21,220	3,702	0	1,564	2,160	8,321	0	5,473	0
37 Louisiana State U System	18,937	0	0	492	1,565	338	1,359	2,517	12,666
38 University of Virginia	18,543	273	1,409	1,550	1,955	3,387	2,407	6,335	1,227
39 Rensselaer Polytech Inst	17,616	0	908	1,724	1,937	6,653	1,461	1,493	3,440
40 Case Western Reserve U	17,301	0	3,455	3,677	474	2,989	3,403	3,303	0
Total, 1st 40 institutions	1,746,606	136,364	50,024	110,155	120,233	501,374	256,913	162,549	408,994
41 Iowa State University	16,863	1,260	0	474	1,036	2,589	595	1,412	9,497
42 SUNY at Buffalo	16,121	0	0	811	4,891	985	8,681	0	753
43 University of Utah	15,561	0	2,473	5,497	2,753	456	1,504	2,349	529
44 Boston University	15,274	700	7,127	0	0	4,594	700	2,041	112
45 Rutgers the State U NJ	15,101	0	1,044	676	78	2,056	4,532	4,644	2,071
46 U of South Carolina	14,923	0	0	3,000	828	7,570	2,528	312	685
47 Arizona State University	13,978	30	671	1,783	3,537	3,461	3,222	0	1,274
48 Columbia U in City of NY	13,068	0	654	53	324	1,750	797	1,371	8,119
49 Woods Hole Oceanogr Inst	12,801	912 i	0 i	996 i	1,005 i	3,345 i	2,483 i	0 i	4,060
50 U CA Davis	12,693	0	1,440	2,512	1,368	1,982	1,317	0	4,074
Total, 1st 50 institutions	1,892,989	139,266	63,433	125,957	136,053	530,162	283,272	174,678	440,168

See explanatory information and SOURCE at end of table.

Table B-49. Federally financed R&D expenditures in engineering subfields at universities and colleges: fiscal year 2000

[Dollars in thousands]

Institution and ranking	Total	Aero/ astro- nautical	Bioengin- eering/ Biomed- ical	Chemical	Civil	Elec- trical	Mechan- ical	Metallurgical and materials	Other
51 University of Kentucky	12,253	0	0	975	190	921	1,493	0	8,674
52 Auburn University	12,106	782	0	1,316	1,697	1,911	1,640	1,209	3,551
53 University of Delaware	12,009	0	0	2,940	2,684	2,024	2,046	0	2,315
54 U of Tennessee System	11,971	2,198	0	1,474	2,829	2,183	0	1,065	2,222
55 University of Cincinnati	11,604	500	0	427	4,844	4,336	535	962	0
56 Duke University	11,358	0	3,498	0	328	5,228	2,304	0	0
57 University of Alabama, The	11,227	3,392	0	1,884	1,034	490	1,138	2,157	1,132
58 Mercer University	10,049	274	0	39	0	277	1,023	8,436	0
59 Michigan Tech University	10,041	0	18	736	4,291	860	2,453	1,368	315
60 Washington State U	9,878	0	1,387	948	1,413	1,765	1,447	2,640	278
Total, 1st 60 institutions	2,005,485	146,412	68,336	136,696	155,363	550,157	297,351	192,515	458,655
61 Drexel University	9,795	0	890	884	1,045	2,643	591	1,011	2,731
62 Naval Postgrad School	9,691	3,206	0	0	0	3,965	1,952	568	0
63 U of Pennsylvania	9,651	0	1,771	1,300	0	235	1,246	2,464	2,635
64 Clemson University	9,636	0	0	382	1,653	1,901	1,127	0	4,573
65 U of Iowa	9,534	0	182	1,202	2,870	1,551	1,610	0	2,119
66 U of IL Chicago	9,333	0	234	622	713	5,736	2,028	0	0
67 U of Alabama Huntsville	8,964	0	0	648	532	2,491	3,129	293	1,871
68 U of Missouri Columbia	8,669	0	0	432	2,913	1,909	548	0	2,867
69 West Virginia University	8,668	21	0	366	2,743	1,399	3,391	18	730
70 Vanderbilt University	8,667	0	1,044	524	572	4,962	1,312	253	0
Total, 1st 70 institutions	2,098,093	149,639	72,457	143,056	168,404	576,949	314,285	197,122	476,181
71 Oregon State University	8,651	0	892	196	2,574	1,074	495	630	2,790
72 Florida International U	8,576	0	257	0	429	600	343	0	6,947
73 Florida Atlantic U	8,496	0	0	0	0	1,148	152	0	7,196
74 Lehigh University	8,460	0	0	1,114	1,849	2,110	1,396	1,562	429
75 Northeastern University	8,250	0	0	2,547	529	4,046	541	0	587
76 Colorado State University	8,162	0	1,232	971	2,878	1,644	812	0	625
77 SUNY at Stony Brook	8,098	0	60	0	0	2,041	2,423	3,574	0
78 Old Dominion University	7,558	985	0	0	292	4,531	990	0	760
79 University of Notre Dame	7,346	1,976	0	1,343	1,413	2,614	0	0	0
80 George Washington U	7,195	82	0	79	1,122	4,089	1	0	1,822
Total, 1st 80 institutions	2,178,885	152,682	74,898	149,306	179,490	600,846	321,438	202,888	497,337
81 U of Missouri Rolla	7,161	426	0	9	1,304	1,812	863	2,323	424
82 Florida State University	7,159	0	0	122	854	243	5,889	20	31
83 Dartmouth College	7,112	0	0	0	709	2,342	1,345	0	2,716
84 NC A&T State University	6,954	0	0	731	1,483	1,700	1,878	0	1,162
85 Syracuse University	6,844	83	1,305	530	824	2,107	471	132	1,392
86 U MA Amherst	6,800	0	0	1,384	561	3,149	1,544	0	162
87 University of Pittsburgh	6,595	0	323	2,469	137	829	349	1,992	496
88 U of Arkansas Main	6,504	0	0	356	643	3,346	741	0	1,418
89 Oklahoma State University	6,465	51	0	496	392	696	1,074	0	3,756
90 Univ of Hawaii at Manoa	6,222	0	0	0	1,005	1,745	1,132	317	2,023
Total, 1st 90 institutions	2,246,701	153,242	76,526	155,403	187,402	618,815	336,724	207,672	510,917

See explanatory information and SOURCE at end of table.

Table B-49. Federally financed R&D expenditures in engineering subfields at universities and colleges: fiscal year 2000

[Dollars in thousands]

Institution and ranking	Total	Aero/ astro- nautical	Bioengin- eering/ Biomed- ical	Chemical	Civil	Elec- trical	Mechan- ical	Metal- lurgical and materials	Other
91 U of Houston Clear Lake	6,194	6,194	0	0	0	0	0	0	0
92 Texas Tech University	6,178	0	0	349	2,526	2,845	27	108	323
93 U of North Dakota	6,094	0	0	60	14	51	4	0	5,965
94 Rice University	6,057	0	1,718	385	1,223	1,669	916	0	146
95 U TX at El Paso	6,024	0	0	0	558	626	212	820	3,808
96 Michigan State University	5,913	0	0	1,465	843	1,237	1,467	273	628
97 NM Inst Mining & Tech	5,912	0	0	2,529	0	200	0	125	3,058
98 University of Houston	5,721	1,091	0	731	728	728	1,204	1,185	54
99 Ohio University	5,643	2,841	0	115	568	1,469	279	29	342
100 Brown University	5,626	399i	0i	432i	444i	1,479i	1,089i	0i	1,783
Total, 1st 100 institutions	2,306,063	163,767	78,244	161,469	194,306	629,119	341,922	210,212	527,024
Total, all other sampled institutions	256,874	12,270	12,003	33,225	37,824	65,399	40,469	15,718	39,966

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