

Table B-41. Non-Federal R&D expenditures at universities and colleges, by science and engineering field: fiscal year 2000

[Dollars in thousands]

Institution and ranking	Total	Engineering	Physical sciences	Environmental sciences	Math & computer sciences	Life sciences	Psychology	Social sciences	Other sciences
Total, all institutions	12,568,898	1,987,378	793,818	637,481	408,856	7,419,973	166,341	805,768	349,283
1 U CA Berkeley	310,176	64,000	36,424	3,398	2,267	142,191	2,759	36,095	23,042
2 U WI-Madison	275,732	29,978	14,936	10,217	4,428	193,607	5,580	16,970	16
3 U CA Los Angeles	256,664	16,745	15,920	6,379	4,022	179,111	2,511	30,119	1,857
4 Texas A&M University	247,629	87,486	12,399	23,933	2,375	108,984	1,169	5,542	5,741
5 Ohio State University	229,180	61,403	11,718	3,559	19,861	115,430	1,058	12,043	4,108
6 U CA Davis	223,049	22,504	5,247	7,693	1,384	182,525	505	3,120	71
7 Pennsylvania State U	201,501	63,719	15,337	9,510	2,964	78,997	5,178	11,308	14,488
8 NC State University	200,618	51,580	11,316	10,408	8,787	109,139	379	5,643	3,366
9 University of Georgia	195,798	6,867	7,051	9,149	6,256	132,985	4,861	28,629	0
10 U CA San Francisco	194,135	0	3,299	0	0	190,259	0	577	0
Total, 1st 10 institutions	2,334,482	404,282	133,647	84,246	52,344	1,433,228	24,000	150,046	52,689
11 University of Florida	193,318	23,540	7,843	1,906	2,553	147,617	1,531	8,328	0
12 U CA San Diego	192,522	22,126	8,261	42,373	11,939	100,247	994	5,341	1,241
13 University of Michigan	187,523	49,501	4,714	2,127	6,391	105,926	4,739	14,101	24
14 University of Minnesota	181,422	16,828	6,033	6,822	2,926	134,094	3,043	11,676	0
15 Cornell University	180,521	23,883	16,311	2,123	7,291	117,814	3,994	9,105	0
16 U of IL Urbana-Champaign	179,534	37,968	14,959	18,029	21,151	60,748	3,360	21,010	2,309
17 Georgia Institute of Tech	178,347	115,727	12,382	13,695	23,526	4,689	2,552	2,689	3,087
18 Louisiana State U System	162,226	22,691	7,683	22,016	2,813	99,379	320	6,578	746
19 University of Arizona	157,929	18,967	33,149	4,134	2,073	90,489	38	9,065	14
20 Duke University	152,445	3,891	2,117	2,918	743	138,488	556	3,732	0
Total, 1st 20 institutions	4,100,269	739,404	247,099	200,389	133,750	2,432,719	45,127	241,671	60,110
21 Rutgers the State U NJ	145,557	18,580	11,189	11,989	8,249	71,144	4,496	18,021	1,889
22 Purdue University	142,526	40,215	7,291	1,413	5,969	70,972	1,331	15,057	278
23 Baylor Col of Medicine	140,926	0	0	0	0	140,926	0	0	0
24 U of Washington	139,720	14,103	6,954	5,756	1,339	103,984	777	6,807	0
25 U of MD Baltimore	133,134	0	0	0	0	133,134	0	0	0
26 Michigan State University	130,622	12,435	10,856	1,225	1,803	91,713	1,150	9,454	1,986
27 University of Kentucky	128,534	19,173	3,039	167	516	95,768	154	1,916	7,801
28 VA Polytech Inst & St U	121,545	40,879	5,457	1,982	2,341	63,784	1,085	6,017	0
29 Indiana University	120,160	2,043	12,505	2,113	3,354	56,591	2,983	24,450	16,121
30 MA Institute of Tech	119,631	42,920	2,745	1,599	12,022	18,119	349	6,339	35,538
Total, 1st 30 institutions	5,422,624	929,752	307,135	226,633	169,343	3,278,854	57,452	329,732	123,723
31 U of Pennsylvania	117,955	3,664	2,617	755	1,419	84,252	339	22,257	2,652
32 U MD at College Park	115,824	35,597	19,556	1,798	7,738	25,953	839	24,343	0
33 Iowa State University	115,582	30,186	4,518	1,732	6,505	56,665	557	6,428	8,991
34 Washington University	108,068	3,234	2,687	1,617	2,260	95,799	194	1,313	964
35 Johns Hopkins U	107,890	4,762	2,303	1,962	1,404	80,503	183	2,569	14,204
36 U TX MD Anderson Cnrc Ctr ..	100,324	0	1,037	0	3,903	95,384	0	0	0
37 U of Nebraska at Lincoln	98,192	17,965	5,384	5,446	4,009	50,016	1,715	7,181	6,476
38 U of Iowa	96,180	13,387	3,601	1,352	487	70,237	928	5,979	209
39 Northwestern University	95,536	14,193	5,843	217	2,116	56,420	1,116	5,535	10,096
40 University of Connecticut	94,940	22,066	3,505	3,686	1,151	50,950	3,657	7,605	2,320
Total, 1st 40 institutions	6,473,115	1,074,806	358,186	245,198	200,335	3,945,033	66,980	412,942	169,635
41 U of South Florida	94,840	12,083	2,011	7,415	413	65,878	4,667	2,353	20
42 U TX at Austin	93,922	34,525	14,828	13,684	10,692	14,172	443	5,201	377
43 U of IL Chicago	93,896	9,674	2,774	1,462	1,481	65,271	1,588	6,936	4,710
44 U of Missouri Columbia	93,441	13,149	2,731	540	779	66,900	1,652	7,690	0
45 Wayne State University	92,494	8,598	6,569	1	612	68,064	1,181	5,016	2,453
46 U of Tennessee System	91,631	20,957	4,488	3,886	5,565	51,818	157	3,528	1,232
47 SUNY at Buffalo	91,282	16,180	5,342	983	6,446	56,202	1,476	4,475	178
48 University of Oklahoma	90,360	11,041	6,655	14,353	3,022	38,452	9,295	7,542	0
49 U of Southern California	89,573	11,462	2,315	4,881	4,618	59,496	571	4,631	1,599
50 Stanford University	87,653	15,880	4,759	2,027	2,503	56,953	754	4,777	0
Total, 1st 50 institutions	7,392,207	1,228,355	410,658	294,430	236,466	4,488,239	88,764	465,091	180,204

See explanatory information and SOURCE at end of table.

Table B-41. Non-Federal R&D expenditures at universities and colleges, by science and engineering field: fiscal year 2000

[Dollars in thousands]

Institution and ranking	Total	Engineering	Physical sciences	Environmental sciences	Math & computer sciences	Life sciences	Psychology	Social sciences	Other sciences
51 Clemson University	83,599	25,738	5,090	794	2,777	45,463	94	3,287	356
52 U TX SW Med Ctr at Dallas	80,051	0	0	0	0	80,051	0	0	0
53 University of Kansas	79,720	6,833	3,862	8,372	3,143	48,438	272	3,728	5,072
54 Rockefeller U, The	78,927	0	1,709	0	2,248	74,970	0	0	0
55 Mississippi State U	78,695	12,778	3,908	1,018	2,159	53,900	814	2,992	1,126
56 U of NC Chapel Hill	74,278	0	3,784	5,264	3,158	54,040	340	7,692	0
57 U CA Irvine	70,163	9,928	5,109	1,391	2,067	46,594	955	3,748	371
58 SUNY at Stony Brook	66,666	7,476	8,046	5,634	3,109	37,857	1,663	2,014	867
59 University of Pittsburgh	66,654	5,263	1,641	54	517	55,536	681	2,950	12
60 Univ of Hawaii at Manoa	65,881	2,512	12,660	20,950	101	25,539	256	1,911	1,952
Total, 1st 60 institutions	8,136,841	1,298,883	456,467	337,907	255,745	5,010,627	93,839	493,413	189,960
61 U Med & Dent of NJ	65,633	0	0	0	0	65,633	0	0	0
62 New York University	65,042	0	1,303	826	3,009	53,599	2,035	3,553	717
63 Yale University	64,687	3,062	2,995	213	1,412	54,671	1,464	870	0
64 Oklahoma State University	63,515	10,287	4,124	1,519	1,362	37,560	285	5,831	2,547
65 University of Utah	63,317	9,732	5,189	587	3,156	43,166	199	1,288	0
66 U CA Riverside	62,495	7,019	2,049	8,595	457	39,774	215	2,992	1,394
67 University of Cincinnati	61,610	12,523	2,719	162	431	40,919	662	1,706	2,488
68 Emory University	61,156	0	2,697	3	309	55,003	336	2,808	0
69 Auburn University	61,097	11,753	931	164	165	44,167	60	1,242	2,615
70 Kansas State University	60,605	10,324	1,457	601	611	43,787	532	2,266	1,027
Total, 1st 70 institutions	8,765,998	1,363,583	479,931	350,577	266,657	5,488,906	99,627	515,969	200,748
71 Oregon State University	60,353	5,252	926	5,453	514	46,692	2	1,490	24
72 Princeton University	60,194	19,806	9,061	4,911	4,287	7,614	1,516	12,999	0
73 Harvard University	60,111	393	2,610	1,506	449	37,471	328	17,354	0
74 Arizona State University	58,182	22,634	9,844	1,365	2,590	8,244	1,760	7,744	4,001
75 U of Alabama Birmingham	58,152	2,992	1,030	0	189	53,377	470	94	0
76 Washington State U	56,355	6,782	791	282	144	41,061	26	6,989	280
77 U of Alaska Fairbanks	55,895	3,447	15,366	10,760	12,713	11,475	0	2,134	0
78 University of Virginia	55,279	8,367	2,717	878	1,199	39,684	430	1,681	323
79 University of Colorado	53,134	7,791	7,966	6,597	1,047	26,412	1,515	1,733	73
80 U of South Carolina	52,526	8,172	4,845	9,213	8,136	10,297	1,123	6,761	3,979
Total, 1st 80 institutions	9,336,179	1,449,219	535,087	391,542	297,925	5,771,233	106,797	574,948	209,428
81 U MA Amherst	52,355	10,676	9,802	5,322	4,510	17,038	1,339	1,529	2,139
82 Mt Sinai Sch Med	51,658	0	0	0	0	51,658	0	0	0
83 Colorado State University	50,850	7,290	2,131	1,951	1,073	33,770	149	1,164	3,322
84 U of Arkansas Main	50,039	5,956	2,702	1,419	283	37,180	238	2,261	0
85 Florida State University	48,265	4,514	21,745	3,973	2,212	6,542	1,357	7,922	0
86 Carnegie Mellon U	46,789	12,138	1,666	1,946	18,391	6,818	1,785	2,443	1,602
87 Texas Tech University	46,743	11,185	3,794	5,085	1,033	21,180	120	3,628	718
88 University of Rochester	46,742	5,552	1,006	36	93	36,276	3,214	475	90
89 California Inst of Tech	46,489	18,310	9,033	4,936	3,533	4,464	0	220	5,993
90 University of Louisville	46,349	3,383	1,560	178	1,725	36,254	837	2,412	0
Total, 1st 90 institutions	9,822,458	1,528,223	588,526	416,388	330,778	6,022,413	115,836	597,002	223,292
91 Utah State University	45,783	9,894	935	5,400	742	19,560	616	1,767	6,869
92 Case Western Reserve U	42,471	8,217	2,199	99	146	27,852	216	3,742	0
93 Vanderbilt University	41,940	3,556	2,192	62	139	34,169	410	1,412	0
94 Tufts University	41,106	3,407	1,135	1,227	376	28,921	1,621	4,419	0
95 UT Houston Hlth Sci Ctr	39,922	0	0	0	0	39,922	0	0	0
96 University of Miami	39,162	400	134	2,965	50	35,210	168	235	0
97 U TX Hlth Sci Ctr San Ant	38,573	0	0	0	0	38,573	0	0	0
98 University of Idaho	38,333	5,275	1,119	1,971	218	27,632	120	1,424	574
99 West Virginia University	38,117	11,892	1,690	3,491	1,594	19,208	147	10	85
100 Yeshiva University	37,987	0	0	0	0	37,987	0	0	0
Total, 1st 100 institutions	10,225,852	1,570,864	597,930	431,603	334,043	6,331,447	119,134	610,011	230,820

See explanatory information and SOURCE at end of table.

Table B-41. Non-Federal R&D expenditures at universities and colleges, by science and engineering field: fiscal year 2000

[Dollars in thousands]

Institution and ranking	Total	Engineering	Physical sciences	Environmental sciences	Math & computer sciences	Life sciences	Psychology	Social sciences	Other sciences
101 Tulane University	37,705	3,397	1,447	119	166	30,179	252	441	1,704
102 U CA Santa Barbara	37,400	10,068	6,289	10,360	1,694	2,700	392	3,990	1,907
103 University of Delaware	36,995	11,721	3,093	3,330	1,300	14,745	455	2,351	0
104 U TX Med Br at Galveston	36,539	882	0	0	0	35,657	0	0	0
105 Columbia U in City of NY	36,530	3,325	642	2,360	385	27,175	201	2,197	245
106 Virginia Commonwealth U	36,083	1,630	2,545	65	289	30,276	664	614	0
107 Rush University	35,616	0	0	0	0	34,944	672	0	0
108 Montana St U Bozeman	34,760	4,572	2,633	163	52	25,008	0	1,489	843
109 North Dakota State U	34,600	577	926	51	334	30,508	103	1,664	437
110 Georgetown University	34,375	0	989	19	16	27,527	93	5,060	671
Total, 1st 110 institutions	10,586,455	1,607,036	616,494	448,070	338,279	6,590,166	121,966	627,817	236,627
111 U of Central Florida	33,845	6,243	10,550	6,707	135	2,329	182	3,883	3,816
112 University of New Mexico	33,538	4,485	2,332	218	324	8,066	1,640	4,192	12,281
113 U MA Worcester	33,375	0	0	0	0	33,375	0	0	0
114 U of New Hampshire	33,187	7,673	803	12,296	278	9,080	182	2,848	27
115 San Diego St University	32,200	4,942	859	1,511	1,360	10,297	2,023	4,576	6,632
116 U of Nebraska Med Ctr	31,669	0	0	0	0	31,669	0	0	0
117 Brown University	31,533	4,332	4,035	1,993	4,427	12,490	743	3,513	0
118 NJ Inst of Technology	30,514	14,916	689	0	345	0	0	0	14,564
119 U of Maine	30,409	4,773	2,569	8,815	766	11,546	196	1,490	254
120 Medical Col of Georgia	30,386	0	0	0	0	30,386	0	0	0
Total, 1st 120 institutions	10,907,111	1,654,400	638,331	479,610	345,914	6,739,404	126,932	648,319	274,201
121 U CA Santa Cruz	30,253	930	14,395	7,975	759	3,962	662	1,534	36
122 U of Nevada Reno	29,981	2,300	1,236	2,245	67	12,579	416	787	10,351
123 University of Chicago	29,806	0	3,629	552	137	24,436	923	129	0
124 University of Houston	27,537	12,360	4,674	1,133	1,459	4,817	1,239	1,468	387
125 University of Wyoming	26,538	3,635	1,448	4,095	214	9,725	97	605	6,719
126 S Illinois U Carbondale	26,224	3,539	1,177	525	586	16,485	121	1,859	1,932
127 Georgia State University	24,510	0	2,186	433	869	5,102	3,978	11,942	0
128 Med U of South Carolina	23,811	0	0	0	0	23,811	0	0	0
129 University of Vermont	23,530	657	304	160	428	20,435	422	172	952
130 U PR Mayaguez Campus	22,846	4,732	927	1,816	80	13,925	0	208	1,158
Total, 1st 130 institutions	11,172,147	1,682,553	668,307	498,544	350,513	6,874,681	134,790	667,023	295,736
131 New Mexico State Univ	22,622	7,611	1,018	795	1,054	11,654	42	156	292
132 Dartmouth College	22,505	1,579	622	297	356	18,266	669	359	357
133 SUNY Col Env Sci Frstry	22,331	8,888e	1,759e	2,542e	0e	9,087e	0e	55e	0e
134 Oregon Health Sciences U	22,321	0	0	0	0	22,260	61	0	0
135 Thomas Jefferson U	22,178	0	0	0	0	22,178	0	0	0
136 Wake Forest University	21,255	0	289	0	1	20,581	0	0	384
137 Brandeis University	21,214	0	1,173	0	62	5,918	71	13,990	0
138 U MD Ctr for Environ Sci	20,800	0	0	20,800	0	0	0	0	0
139 SUNY at Albany	20,733	0	9,016	3,172	184	4,489	722	3,150	0
140 U of LA Lafayette	20,528	4,512	591	239	2,948	9,977	214	829	1,218
Total, 1st 140 institutions	11,388,634	1,705,143	682,775	526,389	355,118	6,999,091	136,569	685,562	297,987
141 Boston University	20,299	2,181	565	452	153	15,326	54	703	865
142 Col of William & Mary	20,268	0	1,986	16,091	160	900	236	895	0
143 George Washington U	19,673	1,341	238	4	441	9,237	171	6,424	1,817
144 CA St U Long Beach	19,587	2,661	263	127	73	11,135	2,637	2,691	0
145 U of Arkansas Medical Sci	19,112	0	0	0	0	19,112	0	0	0
146 U MD Biotechnology Inst	18,789	0	0	4,669	0	14,120	0	0	0
147 U Mississippi, All Camp	16,820	895	603	0	0	12,585	33	392	2,312
148 Wright State University	16,549	1,889	883	196	3,168	9,286	818	180	129
149 Univ of Memphis, The	16,204	1,927	682	3,171	560	2,164	4,232	2,224	1,244
150 U of Missouri Rolla	16,164	12,537	2,052	779	625	152	4	5	10
Total, 1st 150 institutions	11,572,099	1,728,574	690,047	551,878	360,298	7,093,108	144,754	699,076	304,364

See explanatory information and SOURCE at end of table.

Table B-41. Non-Federal R&D expenditures at universities and colleges, by science and engineering field: fiscal year 2000

[Dollars in thousands]

Institution and ranking	Total	Engineering	Physical sciences	Environmental sciences	Math & computer sciences	Life sciences	Psychology	Social sciences	Other sciences
151 Medical Col of Wisconsin	15,547	0	0	0	0	15,547	0	0	0
152 U of Alabama Huntsville	15,335	8,190	2,559	980	2,670	321	0	74	541
153 Rensselaer Polytech Inst	15,207	13,420	659	145	287	373	8	7	308
154 NM Inst Mining & Tech	14,984	8,481	1,139	4,986	156	189	33	0	0
155 Woods Hole Oceanogr Inst	14,511	3,836	0	10,675	0	0	0	0	0
156 Florida International U	14,353	6,065	1,519	2,640	954	1,397	178	1,600	0
157 MCP Hahnemann University ..	14,291	0	0	0	0	14,140	151	0	0
158 Temple University	14,253	225	604	18	161	6,728	1,398	5,119	0
159 Unif Svcs U of Hlth Sci	12,964	0	0	0	0	12,964	0	0	0
160 Lehigh University	12,780	11,043	863	214	167	455	3	35	0
Total, 1st 160 institutions	11,716,324	1,779,834	697,390	571,536	364,693	7,145,222	146,525	705,911	305,213
161 University of Akron	12,414	4,345	5,772	122	107	429	31	1,608	0
162 University of Alabama, The	12,361	5,831	1,300	745	2,405	690	88	1,023	279
163 SUNY at Binghamton	12,342	4,241	1,998	304	956	1,584	1,218	1,947	94
164 U of Missouri Kansas City	12,157	44	589	93	534	9,040	464	760	633
165 Ohio University	12,072	4,844	1,462	340	48	3,768	294	693	623
166 U WI-Milwaukee	11,585	2,443	2,088	2,124	630	891	216	3,017	176
167 TX A&M U Sys Hlth Sci Ctr	11,415	0	0	0	0	11,405	0	10	0
168 Univ of Montana, The	11,212	0	234	58	865	6,737	38	765	2,515
169 Eastern VA Med School	11,185	0	0	0	0	11,185	0	0	0
170 Boston College	11,094	0	2,214	73	4,809	1,761	74	2,163	0
Total, 1st 170 institutions	11,834,161	1,801,582	713,047	575,395	375,047	7,192,712	148,948	717,897	309,533
171 Wichita State University	10,985	9,642	468	43	106	422	267	37	0
172 Drexel University	10,584	6,033	446	0	1,321	174	749	1,861	0
173 Michigan Tech University	10,554	8,346	417	312	128	1,003	0	117	231
174 U of Nevada Las Vegas	10,400	2,083	3,071	2,229	243	1,275	54	1,445	0
175 Creighton University	10,300	0	1	0	0	10,261	0	38	0
176 Old Dominion University	10,150	4,154	283	2,505	641	2,123	120	324	0
177 Syracuse University	9,838	3,809	622	296	2,388	1,300	465	694	264
178 Colorado School of Mines	9,800	8,683	476	482	159	0	0	0	0
179 CA St U Fresno	9,775	1,920	164	63	262	4,623	54	294	2,395
180 Western Michigan U	9,646	3,735	521	937	873	990	36	2,554	0
Total, 1st 180 institutions	11,936,193	1,849,987	719,516	582,262	381,168	7,214,883	150,693	725,261	312,423
181 U of Rhode Island	9,597	1,045	27	2,901	109	2,770	184	24	2,537
182 U MA Lowell	9,429	4,049	1,012	813	543	947	348	1,077	640
183 Loyola U of Chicago	9,339	0	377	10	33	8,367	85	467	0
184 South Dakota State U	9,336	404	68	384	6	8,146	0	328	0
185 San Jose State University	9,180e	2,693e	829e	5,064e	206e	122e	240e	26e	0e
186 C R Drew U of Med & Sci	9,076	0	0	0	0	9,076	0	0	0
187 SUNY Hlth Sci Ctr Brklyn	8,766	0	0	0	0	8,766	0	0	0
188 U MA Boston	8,680	23	209	934	71	1,506	54	5,637	246
189 U TX at Dallas	8,635	2,268	1,700	416	633	1,866	0	747	1,005
190 SUNY Upstate Med U	8,634	0	0	0	0	8,634	0	0	0
Total, 1st 190 institutions	12,026,865	1,860,469	723,738	592,784	382,769	7,265,083	151,604	733,567	316,851

See explanatory information and SOURCE at end of table.

**Table B-41. Non-Federal R&D expenditures at universities and colleges,
by science and engineering field: fiscal year 2000**

[Dollars in thousands]

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Institution and ranking	Total	Engi- neering	Physical sciences	Environ- mental sciences	Math & computer sciences	Life sciences	Psy- chology	Social sciences	Other sciences
191 Northeastern University	8,424	3,430	1,416	0	555	1,781	346	896	0
192 Miami University (OH)	8,000	283 i	1,876 i	113 i	0 i	1,600 i	279 i	1,685 i	2,164 i
193 University of Dayton	7,628	6,494	153	42	50	161	95	5	628
194 Tennessee Tech U	7,426	6,525	217	10	65	567	30	12	0
195 University of Toledo	7,382	4,088	1,424	44	25	1,322	154	66	259
196 Polytechnic University	7,300	4,530	132	0	479	0	0	0	2,159
197 Florida Atlantic U	7,176	2,829	115	2,696	571	222	222	409	112
198 University of Notre Dame	7,162	2,103	2,135	0	267	1,564	271	452	370
199 Inst of Paper Sci & Tech	7,135 e	4,159 i	2,111 i	0 i	0 i	865 i	0 i	0 i	0 i
200 Stevens Inst of Tech	7,094	2,941	420	2,062	463	0	0	1,208	0
Total, 1st 200 institutions	12,101,592	1,897,851	733,737	597,751	385,244	7,273,165	153,001	738,300	322,543
Total, all other sampled institutions	467,306	89,527	60,081	39,730	23,612	146,808	13,340	67,468	26,740

KEY: e = estimated
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