

**Table B-52. Total and federally financed R&D expenditures in chemistry at universities and colleges, ranked by fiscal year 2000 total R&D expenditures in chemistry: 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
Total, all institutions .....	820,120	875,506	918,197	958,942	551,381	586,612	615,896	628,716
1 U CA Berkeley .....	18,305	20,638	21,071	21,471	13,714	14,637	14,195	15,774
2 MA Institute of Tech .....	9,440	11,050	17,050	18,756	8,823	9,201	15,244	16,690
3 U of IL Urbana-Champaign .....	13,606	18,038	19,426	17,667	8,174	11,436	11,621	10,294
4 Harvard University .....	9,495	11,185	14,112	16,957	8,128	10,639	13,890	14,788
5 Pennsylvania State U .....	12,883	16,075	15,962	16,075	8,631	8,852	9,727	9,797
6 California Inst of Tech .....	17,600	17,760	16,310	15,538	15,200	17,629	13,829	12,196
7 Texas A&M University .....	11,133	9,560	17,576	15,385	6,252	5,211	5,571	6,986
8 U WI-Madison .....	11,437	12,011	13,196	14,758	7,693	7,695	8,287	8,094
9 Cornell University .....	11,380	12,031	14,132	14,002	8,065	8,682	9,633	9,103
10 U CA Los Angeles .....	10,220	11,769	13,158	13,564	8,728	9,521	10,604	10,432
Total, 1st 10 institutions .....	125,499	140,117	161,993	164,173	93,408	103,503	112,601	114,154
11 Ohio State University .....	9,291	9,679	8,110	13,141	6,291	5,069	4,629	5,529
12 U of Pennsylvania .....	11,579	11,669	10,994	12,886	10,423	11,283	10,624	11,992
13 Stanford University .....	12,199	12,306	11,835	12,859	10,449	10,658	9,778	10,973
14 Johns Hopkins U .....	9,264	18,541	18,297	12,616	8,981	18,280	17,961	12,217
15 University of Oklahoma .....	8,057	9,922	10,225	12,512	3,545	4,656	4,817	7,377
16 Rutgers the State U NJ .....	8,130	9,622	11,543	12,351	5,763	6,790	7,673	8,071
17 U CA San Francisco .....	0	0	0	12,332	0	0	0	9,033
18 University of Colorado .....	11,026	12,948	11,889	12,251	8,762	10,446	9,618	10,281
19 Florida State University .....	7,534	7,890	9,395	11,631	3,950	3,304	4,536	4,229
20 Northwestern University .....	7,848	9,843	10,471	11,373	5,166	7,096	8,126	8,865
Total, 1st 20 institutions .....	210,427	242,537	264,752	288,125	156,738	181,085	190,363	202,721
21 U MA Amherst .....	10,650	11,131	10,269	11,267	5,894	6,240	4,921	5,667
22 Purdue University .....	12,254	12,548	12,021	11,260	8,260	8,212	7,523	6,958
23 Indiana University .....	10,889	7,982	8,202	10,812	7,750	6,047	5,733	5,988
24 U TX at Austin .....	11,328	11,397	11,159	10,142	6,872	7,123	6,547	5,749
25 U of NC Chapel Hill .....	7,788	8,368	8,583	10,080	5,672	5,905	6,159	7,556
26 University of Florida .....	9,779	11,675	11,034	10,070	5,332	5,309	7,682	6,088
27 University of Notre Dame .....	7,053	8,658	9,006	10,010	6,390	7,740	7,998	8,826
28 Georgia Institute of Tech .....	10,816	10,869	8,919	9,962	5,067	4,765	3,817	4,127
29 Princeton University .....	8,123	8,973	9,477	9,850	5,961	5,727	6,092	6,068
30 U CA San Diego .....	9,956	10,297	10,725	9,831	7,922	7,802	8,710	7,251
Total, 1st 30 institutions .....	309,063	344,435	364,147	391,409	221,858	245,955	255,545	266,999
31 University of Arizona .....	5,045	6,588	8,524	9,699	3,400	4,882	6,396	7,265
32 U CA Irvine .....	8,724	8,425	10,036	9,683	6,646	6,335	7,289	6,979
33 U of South Carolina .....	4,645	7,357	7,727	9,321	3,279	4,679	4,849	5,826
34 U of Washington .....	6,341	7,097	8,100	9,167	4,521	4,978	5,578	6,493
35 University of Michigan .....	6,834	7,820	7,744	9,009	5,058	6,230	5,862	7,317
36 Arizona State University .....	8,227	9,583	8,782	8,979	3,760	4,287	4,035	4,304
37 University of Chicago .....	8,730	8,189	9,484	8,676	7,487	6,671	8,349	6,519
38 Louisiana State U System .....	5,893	5,752	8,350	8,543	3,105	3,297	5,085	5,254
39 University of Minnesota .....	7,662	7,574	7,241	8,472	6,290	6,446	5,799	6,122
40 University of Utah .....	6,366	7,398	9,359	8,420	5,493	6,122	8,668	7,172
Total, 1st 40 institutions .....	377,530	420,218	449,494	481,378	270,897	299,882	317,455	330,250
41 University of Akron .....	8,395	8,326	6,775	8,214	2,238	1,497	2,487	2,507
42 University of Virginia .....	6,219	5,847	6,811	7,951	5,116	4,918	5,774	6,012
43 NC State University .....	3,267	4,507	4,372	7,813	1,859	2,288	1,998	4,016
44 VA Polytech Inst & St U .....	7,538	7,037	6,257	7,724	4,105	3,482	3,271	3,435
45 U of Southern California .....	7,203	7,900	7,545	7,551	5,865	6,089	5,758	5,762
46 University of Pittsburgh .....	7,316	6,097	6,435	7,459	5,968	4,765	5,270	6,436
47 Michigan State University .....	5,856	5,507	6,106	7,180	3,935	3,641	3,969	4,486
48 Emory University .....	7,337	5,230	5,535	7,155	5,338	4,181	4,162	4,917
49 University of Kansas .....	7,333	7,177	8,800	7,134	3,378	3,805	4,335	4,725
50 Columbia U in City of NY .....	8,292	8,753	7,377	7,072	6,531	7,849	6,899	6,747
Total, 1st 50 institutions .....	446,286	486,599	515,507	556,631	315,230	342,397	361,378	379,293

See explanatory information and SOURCE at end of table.

**Table B-52. Total and federally financed R&D expenditures in chemistry at universities and colleges, ranked by fiscal year 2000 total R&D expenditures in chemistry: 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 U CA Santa Barbara .....	4,449	5,620	6,997	7,056	3,861	4,175	5,364	4,946
52 Yale University .....	6,688	6,997	7,329	6,888	5,863	5,921	5,914	5,369
53 SUNY at Buffalo .....	5,538	7,426	7,347	6,852	3,410	4,110	4,045	3,403
54 SUNY at Stony Brook .....	5,439	6,533	7,240	6,774	3,552	4,320	4,892	4,773
55 Rice University .....	3,990	4,518	5,516	6,605	2,956	3,094	3,892	4,856
56 University of Georgia .....	6,512	6,118	6,266	6,560	2,472	1,839	1,691	1,736
57 U MD at College Park .....	9,822	6,635	8,330	6,197	6,039	4,269	4,580	5,060
58 U of Nebraska at Lincoln .....	3,259	3,308	6,005	6,062	2,455	2,492	3,387	3,397
59 U CA Davis .....	3,897	4,562	5,010	5,972	3,153	3,480	4,196	4,752
60 Wayne State University .....	4,581	5,330	5,841	5,760	2,744	3,116	3,489	3,984
Total, 1st 60 institutions .....	500,461	543,646	581,388	621,357	351,735	379,213	402,828	421,569
61 Colorado State University .....	6,378	7,753	6,401	5,666	5,414	5,650	5,072	4,230
62 U CA Santa Cruz .....	5,288	4,448	4,793	5,610	3,598	2,774	3,133	3,557
63 University of Delaware .....	4,286	4,243	4,711	5,418	2,553	2,877	2,735	3,576
64 University of Houston .....	4,898	5,008	5,891	5,411	2,094	2,537	3,077	2,437
65 Virginia Commonwealth U .....	2,512	2,799	3,604	5,338	1,106	1,395	1,928	2,936
66 Boston College .....	3,595	3,942	5,549	5,230	2,885	3,087	4,120	3,914
67 Iowa State University .....	5,567	6,003	5,023	5,139	2,902	3,107	2,158	2,272
68 Washington University .....	4,504	4,321	5,323	4,975	3,738	3,376	3,921	3,643
69 Oregon State University .....	4,386	4,996	4,860	4,812	3,741	4,110	4,206	3,919
70 University of Kentucky .....	1,780	2,614	2,760	4,787	1,506	1,662	1,574	3,159
Total, 1st 70 institutions .....	543,655	589,773	630,303	673,743	381,272	409,788	434,752	455,212
71 Mississippi State U .....	2,316	2,575	2,289	4,643	1,640	1,589	1,238	1,179
72 Georgetown University .....	4,613	4,868	5,176	4,569	3,438	3,170	4,137	3,634
73 Case Western Reserve U .....	3,665	5,307	4,379	4,494	2,735	3,095	3,661	2,700
74 U CA Riverside .....	3,257	3,495	4,028	4,422	2,891	2,861	2,810	3,053
75 Montana St U Bozeman .....	2,032	2,961	3,180	4,331	1,819	2,596	2,507	2,869
76 Duke University .....	3,591	4,485	3,851	4,210	2,498	2,767	2,187	2,403
77 U of Central Florida .....	638	522	1,416	4,146	102	347	736	824
78 Brown University .....	3,691	3,450	3,638	4,140	1,971	1,793	1,909	2,290
79 University of Rochester .....	6,469	6,734	5,405	4,097	6,026	6,120	4,901	3,493
80 U of IL Chicago .....	4,318	3,244	3,770	4,075	2,246	2,158	2,064	2,765
Total, 1st 80 institutions .....	578,245	627,414	667,435	716,870	406,638	436,284	460,902	480,422
81 U Southern Mississippi .....	4,693	4,315	3,902	3,960	3,770	3,245	2,667	2,861
82 Clemson University .....	2,558	2,865	3,294	3,777	855	896	897	1,029
83 University of Connecticut .....	2,185	2,145	2,155	3,689	564	794	1,044	1,836
84 U of Tennessee System .....	3,841	3,963	4,333	3,660	2,163	2,433	2,764	2,137
85 U of Alaska Fairbanks .....	1,295	1,362	3,138	3,621	308	345	713	959
86 U of Iowa .....	3,332	3,421	3,505	3,560	1,912	2,125	2,361	2,232
87 North Dakota State U .....	4,214	4,403	4,414	3,467	933	2,621	3,249	2,606
88 OR Grad Inst Sci & Tech .....	2,876	3,020	3,517	3,414	2,569	2,697	3,214	3,170
89 Texas Tech University .....	3,517	3,877	4,483	3,358	1,146	1,029	1,781	732
90 CUNY Hunter College .....	2,318	2,956	3,469	3,344	1,537	1,823	2,164	2,267
Total, 1st 90 institutions .....	609,074	659,741	703,645	752,720	422,395	454,292	481,756	500,251

See explanatory information and SOURCE at end of table.

**Table B-52. Total and federally financed R&D expenditures in chemistry at universities and colleges, ranked by fiscal year 2000 total R&D expenditures in chemistry: 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
91 U of Missouri Rolla .....	2,837	3,061	4,126	3,298	1,049	908	1,312	1,514
92 University of Oregon .....	2,491	2,923	3,071	3,265	2,179	2,432	2,566	2,614
93 Vanderbilt University .....	2,930	3,068	2,873	3,227	2,344	2,506	2,499	2,910
94 U of Missouri Columbia .....	3,138	2,670	3,083	3,133	1,103	1,181	1,448	1,228
95 Jackson State University .....	800	830	2,736	3,127	596	713	2,458	2,790
96 Utah State University .....	2,189	2,180	2,710	3,116	1,525	1,491	1,725	2,356
97 Northeastern University .....	2,007	2,642	2,566	3,044	1,821	2,135	1,887	2,406
98 Rensselaer Polytech Inst .....	3,328 i	2,690	2,931	3,035	2,004 i	2,317	2,317	2,511
99 Brigham Young University .....	2,022e	2,103	2,588	2,840	1,191 i	1,872	1,871	1,893
100 New York University .....	4,708	5,415	4,112	2,838	2,311	2,056	2,741	2,068
Total, 1st 100 institutions .....	635,524	687,323	734,441	783,643	438,518	471,903	502,580	522,541
Total, all other sampled institutions .....	184,596	188,183	183,756	175,299	112,863	114,709	113,316	106,175

**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