

Table B-9. R&D expenditures at public universities and colleges, by source of funds and science and engineering field: fiscal years 1993-2000

[Dollars in thousands]

Source and field	1993	1994	1995	1996	1997	1998	1999	2000
Total	13,376,515	14,111,945	14,949,308	15,585,059	16,421,672	17,475,394	18,665,437	20,517,436
	Source of funds							
Federal Government	7,171,861	7,635,809	8,099,686	8,464,607	8,568,959	9,070,076	9,690,025	10,637,880
State and local government	1,416,215	1,404,414	1,511,987	1,649,554	1,741,397	1,772,885	1,847,522	2,009,336
Industry	894,623	946,642	1,003,232	1,076,445	1,175,777	1,279,637	1,343,096	1,446,530
Institutional funds	2,981,750	3,190,253	3,386,673	3,418,131	3,887,782	4,214,706	4,565,011	4,992,452
All other sources	912,066	934,827	947,730	976,322	1,047,757	1,138,090	1,219,783	1,431,238
	Field							
Engineering	2,112,631	2,287,425	2,441,092	2,587,903	2,686,594	2,866,185	3,047,581	3,288,623
Aeronautical and astronautical	125,689	124,175	143,370	138,676	154,511	155,002	188,504	178,992
Bioengineering/bio- medical	--	--	--	--	52,227	62,102	79,358	104,839
Chemical	185,635	190,382	205,705	226,815	237,029	245,187	254,712	271,248
Civil	304,291	334,375	361,512	381,669	399,474	425,808	447,925	508,776
Electrical	418,862	466,202	539,545	584,814	626,066	714,137	713,249	785,595
Mechanical	293,262	304,834	346,160	349,347	332,167	367,994	415,584	418,793
Metallurgical and materials	220,548	238,697	253,112	259,644	289,402	281,711	277,966	295,489
Other, n.e.c.	564,344	628,760	591,688	646,938	595,718	614,244	670,283	724,891
All sciences	11,263,884	11,824,520	12,508,216	12,997,156	13,735,078	14,609,209	15,617,856	17,228,813
Physical sciences	1,379,854	1,412,917	1,465,967	1,445,491	1,501,553	1,586,002	1,676,882	1,798,329
Astronomy	174,596	185,180	213,597	186,867	187,864	206,471	235,829	248,777
Chemistry	499,319	513,687	521,766	541,653	557,704	587,863	623,064	671,671
Physics	572,493	575,566	595,463	592,068	628,177	647,311	749,967	801,208
Other, n.e.c.	133,446	138,484	135,141	124,903	127,808	144,357	68,022	76,673
Environmental sciences	1,032,799	1,099,645	1,134,854	1,192,953	1,224,826	1,283,245	1,357,231	1,427,842
Atmospheric	175,403	164,871	175,930	192,857	213,044	228,093	236,587	234,977
Earth sciences	314,765	344,243	343,191	330,793	334,121	380,265	421,018	451,110
Oceanography	373,065	401,603	423,185	483,712	487,285	490,118	512,711	541,990
Other, n.e.c.	169,566	188,928	192,548	185,591	190,376	184,769	186,915	199,765
Mathematical sciences	157,761	167,667	168,357	174,311	178,151	196,048	194,984	214,441
Computer sciences	294,248	324,760	340,394	336,126	349,567	398,511	488,865	526,404
Life sciences	7,229,979	7,587,427	8,069,822	8,431,884	8,982,994	9,637,673	10,273,129	11,498,850
Agricultural sciences	1,510,657	1,607,108	1,759,082	1,858,052	1,905,549	1,930,454	1,979,913	2,117,308
Biological sciences	2,239,324	2,339,703	2,410,939	2,458,934	2,621,428	2,888,549	3,198,710	3,580,774
Medical sciences	3,229,262	3,384,190	3,638,982	3,815,961	4,138,071	4,494,909	4,772,768	5,369,296
Other, n.e.c.	250,736	256,426	260,819	298,937	317,946	323,761	321,738	431,472
Psychology	242,902	254,223	268,745	280,550	298,512	333,000	344,571	381,218
Social sciences	663,755	706,210	763,865	840,125	854,071	873,120	973,491	998,757
Economics	187,140	198,182	207,391	225,566	206,725	207,979	217,314	205,616
Political science	87,963	96,691	108,153	113,292	110,871	109,446	123,561	139,302
Sociology	134,868	144,795	165,961	176,022	196,961	194,730	203,235	223,538
Other, n.e.c.	253,784	266,542	282,360	325,245	339,514	360,965	429,381	430,301
Other sciences, n.e.c.	262,586	271,671	296,212	295,716	345,404	301,610	308,703	382,972

KEY: -- = not available
n.e.c. = not elsewhere classified

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