

TABLE B-12. R&D expenditures at private universities and colleges, by source of funds and science and engineering field: fiscal years 1995--2002

(Dollars in thousands)

Source and field	1995	1996	1997	1998	1999	2000	2001	2002
Total	7,219,030	7,457,993	7,944,936	8,375,875	8,869,752	9,554,835	10,388,132	11,501,935
	Source of funds							
Federal Government	5,230,595	5,373,796	5,743,182	6,077,969	6,384,781	6,881,213	7,503,538	8,466,665
State and local government	176,977	161,201	167,521	170,682	176,920	194,645	235,597	251,072
Industry	485,807	528,936	560,990	608,611	692,993	716,033	741,290	726,224
Institutional funds	660,401	751,927	809,563	787,148	835,991	935,189	1,011,436	1,114,020
All other sources	665,250	642,133	663,680	731,465	779,067	827,755	896,271	943,954
	Field							
Engineering	1,073,948	1,119,151	1,152,153	1,202,644	1,213,806	1,259,896	1,379,375	1,543,018
Aeronautical and astronautical	97,699	94,266	92,455	94,682	71,843	77,226	94,226	102,826
Bioengineering/biomedical	--	--	24,564	39,855	57,494	67,200	77,806	96,905
Chemical	91,355	90,371	79,638	81,887	94,274	103,107	114,246	113,343
Civil	69,269	72,960	72,328	69,015	81,608	91,389	101,231	112,198
Electrical	279,063	302,901	315,854	328,151	303,775	332,677	347,793	383,674
Mechanical	174,486	169,760	185,420	199,757	210,489	213,259	233,463	258,520
Metallurgical and materials	76,752	89,757	99,419	109,677	106,301	103,347	106,900	116,029
Other, nec	285,324	299,136	282,475	279,620	288,022	271,691	303,710	359,523
All sciences	6,145,082	6,338,842	6,792,783	7,173,231	7,655,946	8,294,939	9,008,757	9,958,917
Physical sciences	789,959	812,181	869,252	896,675	928,049	907,750	929,137	982,783
Astronomy	90,015	88,947	99,552	95,968	153,796	141,272	134,016	134,691
Chemistry	249,731	260,173	262,996	288,278	295,775	287,946	291,428	304,469
Physics	393,901	395,364	430,268	431,069	394,024	397,676	408,574	435,419
Other, nec	56,312	67,697	76,436	81,360	84,454	80,856	95,119	108,204
Environmental sciences	298,193	295,257	307,178	340,386	333,825	340,903	340,509	367,413
Atmospheric	32,154	31,602	32,455	41,074	51,555	53,720	54,731	54,745
Earth sciences	113,105	114,704	114,908	132,662	123,778	115,268	111,313	121,427
Oceanography	50,159	49,688	49,345	55,467	91,329	89,542	91,479	108,397
Other, nec	102,775	99,263	110,470	111,183	67,163	82,373	82,986	82,844
Mathematical sciences	110,301	113,923	111,277	114,248	118,187	126,216	125,161	128,662
Computer sciences	341,793	353,844	359,839	347,988	372,290	349,796	383,400	459,373
Life sciences	4,117,840	4,283,506	4,607,290	4,957,801	5,361,077	5,983,330	6,600,584	7,328,554
Agricultural sciences	55,164	52,012	60,454	65,030	56,382	61,337	73,731	77,935
Biological sciences	1,424,690	1,452,596	1,561,264	1,694,933	1,837,389	2,031,435	2,236,803	2,420,890
Medical sciences	2,431,051	2,574,822	2,769,763	2,976,800	3,235,794	3,634,565	4,035,443	4,545,117
Other, nec	206,935	204,076	215,809	221,038	231,512	255,993	254,607	284,612
Psychology	101,707	100,905	97,562	111,181	119,764	134,860	148,759	173,971
Social sciences	254,994	256,349	271,106	258,022	279,961	298,483	312,373	335,461
Economics	42,941	45,867	54,003	53,087	49,110	49,291	42,623	44,138
Political science	64,862	66,478	64,598	66,079	78,004	90,725	101,431	119,202
Sociology	49,163	54,635	60,334	58,033	68,531	77,210	78,624	79,014
Other, nec	98,028	89,369	92,171	80,823	84,316	81,257	89,695	93,107
Other sciences, nec	130,295	122,877	169,279	146,930	142,793	153,601	168,834	182,700

-- = not available.
nec = 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 2002.