

Table B-13. Federally financed R&D expenditures at private universities and colleges, by science and engineering field: fiscal years 1988-95

[Dollars in thousands]

Field	1995	1994	1993	1992	1991	1990	1989	1988
Total	5,238,442	5,023,235	4,784,680	4,492,167	4,181,388	4,013,653	3,795,929	3,479,934
Engineering, total	824,175	817,648	786,229	742,993	676,064	648,092	617,624	556,986
Aeronautical and aeronautical	83,243	78,836	70,679	65,265	60,216	57,236	54,637	46,219
Chemical	59,807	56,259	53,611	49,852	50,099	45,769	45,828	36,121
Civil	44,572	46,136	42,684	40,593	33,501	32,402	31,045	33,650
Electrical	225,464	220,195	217,738	206,152	190,744	189,289	174,519	157,447
Mechanical	138,696	156,756	149,072	127,459	117,280	110,793	104,991	90,826
Metallurgical and materials ¹	50,818	45,366	50,750	53,033	46,554	45,569	--	--
Other, n.e.c.	221,575	214,099	201,695	200,639	177,670	167,034	206,604	192,723
All sciences, total	4,414,267	4,205,588	3,998,451	3,749,174	3,505,324	3,365,561	3,178,305	2,922,948
Physical sciences	668,593	642,581	620,134	634,246	601,550	574,907	530,776	528,160
Astronomy	73,948	67,482	65,794	68,256	53,123	44,451	32,680	30,546
Chemistry	191,615	190,235	185,404	180,030	175,367	177,917	165,416	158,892
Physics	353,074	335,990	318,104	319,182	314,903	296,377	285,110	282,591
Other, n.e.c.	49,956	48,874	50,832	66,778	58,157	56,162	47,570	56,131
Environmental sciences	246,615	256,060	240,145	229,176	223,046	214,994	220,191	185,876
Atmospheric	32,787	39,321	32,316	29,577	26,873	27,071	29,594	23,190
Earth sciences	86,804	84,423	83,074	84,187	82,846	80,707	75,446	67,489
Oceanography	42,616	47,909	77,468	74,024	72,938	68,600	77,472	62,997
Other, n.e.c.	84,408	84,407	47,287	41,388	40,389	38,616	37,679	32,200
Mathematical sciences	99,929	101,679	101,965	90,708	84,280	82,539	84,087	82,525
Computer sciences	275,463	270,932	255,783	219,060	209,225	216,623	214,322	194,984
Life sciences	2,880,312	2,717,204	2,576,324	2,400,028	2,233,796	2,132,917	1,982,188	1,795,722
Agricultural sciences	20,443	19,474	16,676	14,049	12,696	11,575	12,159	10,430
Biological sciences	1,071,479	1,036,315	984,040	922,881	837,067	815,421	754,732	704,170
Medical sciences	1,628,601	1,522,244	1,444,099	1,347,926	1,280,583	1,209,661	1,130,891	1,004,125
Other, n.e.c.	159,789	139,172	131,509	115,172	103,450	96,260	84,406	76,997
Psychology	74,485	77,317	76,077	70,048	62,162	60,357	56,727	53,624
Social sciences	113,728	106,274	94,693	81,548	65,275	59,325	66,770	60,545
Economics	14,345	12,088	11,073	10,229	10,634	10,291	12,948	13,610
Political science	30,031	26,023	20,702	17,076	12,704	11,243	12,971	12,547
Sociology	29,727	30,259	26,871	26,951	24,638	21,014	21,734	18,739
Other, n.e.c.	39,625	37,904	36,047	27,292	17,299	16,777	19,117	15,649
Other sciences, n.e.c.	55,143	33,540	33,330	24,360	25,990	23,899	23,244	21,512

¹ Data for metallurgical and materials engineering were not collected separately prior to fiscal year 1990.

NOTE: Because of rounding, detail may not add to totals.

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

SOURCE: National Science Foundation/SRS, Survey of Scientific and Engineering Expenditures at Universities and Colleges, Fiscal Year 1995