

Table 6. Federally financed R&D expenditures at doctorate-granting institutions, by science and engineering field: fiscal years 1988-95

[Dollars in thousands]

Field	1995	1994	1993	1992	1991	1990	1989	1988
Total	13,041,995	12,382,055	11,718,020	10,903,894	10,071,964	9,489,250	8,856,444	8,087,609
Engineering, total	2,094,739	1,953,286	1,822,878	1,726,956	1,617,387	1,506,452	1,367,805	1,218,071
Aeronautical and astronautical	168,291	163,097	153,860	146,700	133,994	124,189	112,402	92,575
Chemical	159,405	149,121	141,667	125,269	117,174	109,468	99,571	84,023
Civil	180,735	157,926	149,960	141,074	121,168	114,954	100,511	101,244
Electrical	504,878	478,184	449,650	443,089	431,831	428,209	383,343	328,240
Mechanical	320,018	319,677	302,377	261,569	245,681	233,676	210,887	189,825
Metallurgical and materials ¹	171,401	154,652	149,589	142,530	152,626	138,735	--	--
Other, n.e.c.	590,011	530,629	475,775	466,725	414,913	357,221	461,091	422,164
All sciences, total	10,947,256	10,428,769	9,895,142	9,176,938	8,454,577	7,982,798	7,488,639	6,869,538
Physical sciences	1,580,452	1,515,593	1,467,914	1,436,830	1,349,371	1,285,487	1,170,845	1,134,383
Astronomy	205,647	180,079	164,222	157,650	135,366	112,121	87,420	83,225
Chemistry	505,976	492,515	480,120	456,769	431,003	428,118	406,900	390,442
Physics	732,606	707,485	690,542	693,648	667,284	640,440	595,740	569,854
Other, n.e.c.	136,223	135,514	133,030	128,763	115,718	104,808	80,785	90,862
Environmental sciences	923,398	909,991	839,393	772,211	684,643	666,208	635,979	576,708
Atmospheric	158,216	158,592	157,249	137,641	126,544	128,261	125,792	109,161
Earth sciences	260,955	259,206	236,705	234,001	214,523	201,256	184,177	172,163
Oceanography	316,818	305,345	314,438	298,462	257,395	256,322	254,145	234,121
Other, n.e.c.	187,409	186,848	131,001	102,107	86,181	80,369	71,865	61,263
Mathematical sciences	196,339	196,754	194,350	177,500	165,592	157,254	153,963	147,388
Computer sciences	468,848	453,591	415,866	371,893	364,882	336,829	319,175	283,892
Life sciences	7,013,019	6,646,616	6,307,676	5,843,226	5,359,727	5,025,253	4,729,286	4,288,512
Agricultural sciences	484,883	454,871	419,617	388,158	351,071	329,008	326,052	307,639
Biological sciences	2,436,167	2,394,276	2,271,406	2,104,877	1,923,115	1,815,179	1,710,209	1,589,723
Medical sciences	3,802,875	3,530,754	3,364,586	3,109,857	2,845,620	2,668,744	2,499,081	2,210,467
Other, n.e.c.	289,094	266,715	252,067	240,334	239,921	212,322	193,944	180,683
Psychology	234,745	227,651	220,639	205,134	177,563	156,129	146,841	135,220
Social sciences	378,157	345,659	326,735	271,836	243,615	219,699	206,897	183,593
Economics	75,677	72,936	73,687	62,494	56,689	53,092	53,423	48,127
Political science	62,971	49,252	42,322	34,520	28,021	24,913	25,362	24,516
Sociology	101,315	92,672	87,581	78,391	68,602	57,388	52,059	46,413
Other, n.e.c.	138,194	130,799	123,145	96,431	90,303	84,306	76,053	64,537
Other sciences, n.e.c.	152,298	132,914	122,569	98,308	109,184	135,939	125,653	119,842

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