

Table B-72. Federally financed R&D expenditures at university-administered federally funded research and development centers, by science and engineering field: fiscal years 1988-95

[Dollars in thousands]

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Field	1995	1994	1993	1992	1991	1990	1989	1988
Total	5,314,450	5,202,526	5,241,537	5,197,986	5,033,968	4,791,441	4,692,202	4,498,909
Engineering, total	1,916,357	1,769,468	1,700,839	1,794,182	1,778,686	1,699,463	1,633,585	1,607,422
Aeronautical and aeronautical	338,161	222,178	158,832	162,602	156,108	143,495	144,910	146,813
Chemical	67,996	77,714	75,541	77,551	69,592	40,218	39,534	43,427
Civil	30,976	30,275	32,050	33,068	15,871	14,892	16,238	17,335
Electrical	453,293	503,721	531,629	595,600	636,548	602,489	566,345	554,139
Mechanical	525,952	497,730	415,151	467,487	486,112	543,687	624,909	600,584
Metallurgical and materials ¹	65,464	63,828	130,109	145,561	135,947	84,196	--	--
Other, n.e.c.	434,515	374,022	357,527	312,313	278,508	270,486	241,649	245,124
All sciences, total	3,398,093	3,433,058	3,540,698	3,403,804	3,255,282	3,091,978	3,058,617	2,891,487
Physical sciences	2,179,731	2,132,477	2,187,407	1,992,759	1,898,501	1,805,674	1,813,116	1,707,217
Astronomy	171,621	157,580	144,302	137,832	120,725	110,708	110,724	115,601
Chemistry	248,301	270,088	277,458	265,103	248,837	258,698	271,891	272,970
Physics	1,664,271	1,617,090	1,663,784	1,489,596	1,449,997	1,370,313	1,368,531	1,258,268
Other, n.e.c.	95,538	87,719	101,863	100,228	78,942	65,955	61,970	60,378
Environmental sciences	353,179	378,043	335,223	339,449	314,269	288,489	294,192	286,106
Atmospheric	176,105	169,125	149,637	138,362	123,624	101,226	96,625	89,620
Earth sciences	49,907	58,355	61,990	76,103	71,294	64,418	64,938	79,720
Oceanography	12,002	13,406	17,185	15,811	14,859	1,664	1,916	1,764
Other, n.e.c.	115,165	137,157	106,411	109,173	104,492	121,181	130,713	115,002
Mathematical sciences	81,819	112,468	118,872	123,471	131,130	134,246	127,724	125,434
Computer sciences	568,278	616,498	647,575	698,151	713,894	684,876	667,127	621,172
Life sciences	118,898	118,182	185,328	186,711	138,335	136,719	126,607	117,451
Agricultural sciences	1,067	1,216	1,077	1,153	1,041	1,017	1,175	1,397
Biological sciences	89,963	95,702	131,711	135,405	108,423	107,206	97,639	90,372
Medical sciences	19,486	12,784	14,619	15,987	11,161	10,304	10,061	8,451
Other, n.e.c.	8,382	8,480	37,921	34,166	17,710	18,192	17,732	17,231
Psychology	764	806	887	945	1,075	1,010	947	973
Social sciences	9,059	10,465	21,404	21,074	33,325	29,231	22,942	27,551
Economics	452	540	578	613	741	632	491	1,441
Political science	0	0	5,264	4,969	7,471	6,346	3,799	5,781
Sociology	0	0	0	0	0	0	0	0
Other, n.e.c.	8,607	9,925	15,562	15,492	25,113	22,253	18,652	20,329
Other sciences, n.e.c.	86,365	64,119	44,002	41,244	24,753	11,733	5,962	5,583

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