

**Table B-10. Federally financed R&D expenditures at public universities and colleges,
by science and engineering field: fiscal years 1992-1999**

[Dollars in thousands]

Field	1999	1998	1997	1996	1995	1994	1993	1992
Total	9,667,129	9,057,298	8,561,044	8,463,245	8,098,486	7,634,771	7,171,445	6,600,113
Engineering	1,513,583	1,441,099	1,375,171	1,384,333	1,276,867	1,179,171	1,071,745	1,009,643
Aeronautical and astronautical	121,172	96,696	101,153	91,685	98,254	86,549	89,160	85,594
Bioengineering/bio- medical	29,489	26,487	29,111	--	--	--	--	--
Chemical	119,128	116,966	113,649	115,492	100,717	94,064	89,204	76,373
Civil	166,792	156,413	155,015	151,054	141,492	119,432	111,641	103,030
Electrical	417,366	433,068	380,327	362,282	322,068	270,740	240,680	243,307
Mechanical	222,666	192,150	178,540	205,358	199,220	171,191	160,935	141,411
Metallurgical and materials	140,088	146,216	148,398	126,253	123,473	110,252	99,688	90,226
Other, n.e.c.	296,882	273,103	268,978	332,209	291,643	326,943	280,437	269,702
All sciences	8,153,546	7,616,199	7,185,873	7,078,912	6,821,619	6,455,600	6,099,700	5,590,470
Physical sciences	1,054,244	1,002,893	943,027	946,072	966,373	921,268	892,542	841,321
Astronomy	133,551	110,041	98,439	108,318	133,460	113,935	99,237	90,094
Chemistry	381,653	361,326	349,679	351,279	341,143	328,368	319,811	299,604
Physics	506,630	429,413	413,909	404,504	406,484	391,157	390,062	388,847
Other, n.e.c.	32,410	102,113	81,000	81,971	85,286	87,808	83,432	62,776
Environmental sciences	822,782	787,053	751,162	763,367	716,885	691,436	630,137	562,523
Atmospheric	175,668	172,036	155,518	147,628	134,027	126,017	128,317	110,496
Earth sciences	220,786	199,910	171,461	173,759	182,342	182,023	160,455	154,214
Oceanography	322,929	313,748	313,339	330,690	289,000	275,333	252,144	232,559
Other, n.e.c.	103,399	101,359	110,844	111,290	111,516	108,063	89,221	65,254
Mathematical sciences	109,053	115,713	107,010	107,736	106,859	104,606	101,074	92,486
Computer sciences	284,814	230,318	209,334	209,521	207,642	193,350	167,536	160,738
Life sciences	5,206,304	4,860,198	4,561,727	4,440,618	4,239,781	4,018,211	3,810,689	3,511,245
Agricultural sciences	528,289	508,146	521,797	542,485	511,644	473,519	433,354	403,738
Biological sciences	1,835,692	1,666,839	1,530,452	1,460,340	1,423,309	1,399,712	1,326,781	1,214,612
Medical sciences	2,684,800	2,536,015	2,345,929	2,279,683	2,175,790	2,015,794	1,925,402	1,765,440
Other, n.e.c.	157,523	149,198	163,549	158,110	129,038	129,186	125,152	127,455
Psychology	220,337	216,873	198,518	188,039	176,818	166,280	158,308	144,854
Social sciences	355,780	310,351	292,100	307,014	273,665	252,366	243,621	199,700
Economics	68,317	65,782	64,854	72,657	65,373	64,104	66,231	55,718
Political science	29,300	28,444	27,413	31,904	29,587	23,973	22,126	17,970
Sociology	81,709	85,312	85,789	86,068	75,683	66,173	64,237	54,785
Other, n.e.c.	176,454	130,813	114,044	116,385	103,022	98,116	91,027	71,227
Other sciences, n.e.c.	100,232	92,800	122,995	116,545	133,596	108,083	95,793	77,603

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

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

SOURCE: National Science Foundation/Division of Science Resources Studies, Survey of Research and Development Expenditures at Universities and Colleges, Fiscal Year 1999