

TABLE 11. Federally financed R&D expenditures at private universities and colleges, by science and engineering field: FY 1998–2005

(Dollars in thousands)

Field	1998	1999	2000	2001	2002	2003	2004	2005
All federal R&D expenditures	6,079,453	6,386,421	6,882,716	7,505,712	8,458,508	9,451,766	10,678,573	11,290,836
Science	5,166,769	5,461,599	5,937,257	6,485,036	7,282,037	8,118,766	9,233,909	9,748,286
Computer sciences	283,139	297,880	277,374	308,865	373,356	389,527	422,131	439,108
Environmental sciences	288,499	278,087	281,262	280,067	300,886	328,483	384,225	398,629
Atmospheric sciences	37,501	46,837	48,040	47,713	47,628	56,819	75,323	54,918
Earth sciences	111,386	99,554	89,542	85,896	94,536	101,555	118,789	129,781
Oceanography	48,381	80,750	81,193	83,298	95,656	100,926	110,158	118,524
Environmental sciences, nec	91,231	50,946	62,487	63,160	63,066	69,183	79,955	95,406
Life sciences	3,460,617	3,716,910	4,207,633	4,698,626	5,316,783	5,980,478	6,883,812	7,310,282
Agricultural sciences	25,216	17,250	18,442	22,540	23,526	27,838	30,714	33,106
Biological sciences	1,265,860	1,367,784	1,519,442	1,675,129	1,869,827	2,060,582	2,503,068	2,707,048
Medical sciences	2,012,887	2,166,230	2,484,860	2,810,072	3,204,095	3,643,195	4,095,122	4,270,908
Life sciences, nec	156,654	165,646	184,889	190,885	219,335	248,863	254,908	299,220
Mathematical sciences	98,476	100,191	106,210	106,846	109,777	117,437	131,308	141,645
Physical sciences	758,577	806,566	777,063	790,495	827,846	924,856	1,006,968	1,025,541
Astronomy	77,969	143,857	132,076	121,195	121,742	116,095	130,578	131,193
Chemistry	225,529	234,524	219,935	220,971	226,788	251,271	282,844	285,704
Physics	388,513	355,923	354,619	367,287	384,433	435,704	462,907	480,274
Physical sciences, nec	66,566	72,262	70,433	81,042	94,883	121,786	130,639	128,370
Psychology	82,807	89,823	102,299	116,140	137,040	159,273	172,793	176,469
Social sciences	114,724	116,634	124,802	134,046	142,267	140,423	151,555	158,171
Economics	26,455	21,755	20,615	18,448	18,186	20,483	22,910	20,824
Political sciences	24,677	24,476	31,710	35,250	40,964	38,059	47,131	48,479
Sociology	33,344	37,535	39,643	38,224	40,036	41,772	45,685	50,578
Social sciences, nec	30,248	32,868	32,834	42,124	43,081	40,109	35,829	38,290
Sciences, nec	79,930	55,508	60,614	49,951	74,082	78,289	81,117	98,441
Engineering	912,684	924,822	945,459	1,020,676	1,176,471	1,333,000	1,444,664	1,542,550
Aeronautical/astronautical engineering	74,087	61,866	65,479	78,989	88,209	98,903	105,098	136,940
Bioengineering/biomedical engineering	30,148	42,671	49,452	57,072	70,348	97,403	117,122	135,242
Chemical engineering	52,306	60,341	65,548	73,339	78,124	80,427	85,495	82,155
Civil engineering	40,660	48,640	56,079	59,980	71,923	76,953	80,724	71,150
Electrical engineering	259,500	235,051	248,584	263,269	294,590	329,252	337,745	358,061
Mechanical engineering	158,575	165,184	164,898	176,231	201,267	214,133	233,266	260,237
Metallurgical/materials engineering	75,468	77,228	74,600	71,818	83,128	101,377	113,904	124,181
Engineering, nec	221,940	233,841	220,819	239,978	288,882	334,552	371,310	374,584

nec = not elsewhere classified.

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

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Research and Development Expenditures at Universities and Colleges, FY 2005.