TABLE 11. Federally financed R&D expenditures at private universities and colleges, by science and engineering field: FY 2002–09

(Dollars in thousands)

Field	2002	2003	2004	2005	2006	2007	2008	2009
All federal R&D expenditures	8,462,840	9,458,134	10,686,458	11,294,510	11,578,358	11,668,524	11,926,419	12,381,516
Science	7,283,434	8,120,767	9,236,578	9,745,132	9,994,363	10,015,479	10,163,946	10,504,718
Computer sciences	373,360	389,575	422,220	439,139	462,209	436,435	416,405	419,804
Environmental sciences	300,897	328,532	384,271	397,728	404,885	415,616	418,782	436,036
Atmospheric sciences	47,628	56,819	75,324	54,910	75,114	70,061	68,002	67,765
Earth sciences	94,536	101,593	118,825	129,094	126,168	98,246	93,480	93,826
Oceanography	95,667	100,937	110,169	118,453	107,741	176,686	181,365	188,352
Environmental sciences, nec	63,066	69,183	79,953	95,271	95,862	70,623	75,935	86,093
Life sciences	5,317,295	5,981,216	6,884,867	7,308,860	7,516,336	7,563,092	7,696,391	7,956,227
Agricultural sciences	23,575	27,971	30,902	33,359	37,647	33,982	21,388	21,835
Biological sciences	1,870,255	2,061,145	2,503,889	2,706,065	2,695,175	2,686,549	2,836,767	2,934,676
Medical sciences	3,204,131	3,643,238	4,095,172	4,270,869	4,546,292	4,636,898	4,636,652	4,741,687
Life sciences, nec	219,334	248,862	254,904	298,567	237,222	205,663	201,584	258,029
Mathematical sciences	109,844	117,534	131,404	141,637	150,016	170,529	201,361	125,182
Physical sciences	828,341	925,554	1,007,917	1,025,168	1,015,974	992,643	988,287	1,098,253
Astronomy	121,742	116,162	130,670	131,245	126,660	105,984	105,530	109,132
Chemistry	227,265	251,861	283,588	285,551	302,117	299,932	304,116	326,871
Physics	384,451	435,722	462,988	479,945	469,042	481,892	478,748	575,343
Physical sciences, nec	94,883	121,809	130,671	128,427	118,155	104,835	99,893	86,907
Psychology	137,238	159,523	173,117	176,227	179,155	179,200	188,960	199,697
Social sciences	142,377	140,544	151,683	157,997	159,711	166,669	163,032	164,402
Economics	18,192	20,489	22,917	20,795	23,658	25,386	24,675	23,516
Political sciences	41,025	38,127	47,205	48,555	42,776	42,196	37,784	39,208
Sociology	40,059	41,796	45,706	50,384	50,652	50,067	50,756	45,145
Social sciences, nec	43,101	40,132	35,855	38,263	42,625	49,020	49,817	56,533
Sciences, nec	74,082	78,289	81,099	98,376	106,077	91,295	90,728	105,117
Engineering	1,179,406	1,337,367	1,449,880	1,549,378	1,583,995	1,653,045	1,762,473	1,876,798
Aeronautical/astronautical engineering	91,144	102,425	109,188	141,597	108,022	117,509	136,537	149,380
Bioengineering/biomedical engineering	70,348	97,403	117,119	135,275	147,425	169,048	186,517	186,950
Chemical engineering	78,124	80,460	85,539	82,228	97,140	91,394	96,059	99,270
Civil engineering	71,923	77,020	80,815	71,246	67,489	71,707	73,990	77,740
Electrical engineering	294,590	329,939	338,688	359,952	371,003	380,647	400,178	440,592
Mechanical engineering	201,267	214,137	233,244	260,157	292,113	289,655	304,065	334,136
Metallurgical/materials engineering	83,128	101,409	113,948	124,280	125,964	122,087	121,590	122,655
Engineering, nec	288,882	334,574	371,339	374,643	374,839	410,998	443,537	466,075

nec = not elsewhere classified.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Research and Development Expenditures at Universities and Colleges, FY 2009.