

TABLE 10. R&D expenditures at private universities and colleges, by source of funds and science and engineering field: FY 1998–2005

(Dollars in thousands)

Source and field	1998	1999	2000	2001	2002	2003	2004	2005
All R&D expenditures	8,378,392	8,872,531	9,557,482	10,392,489	11,505,664	12,731,732	13,953,176	14,937,932
Source of funds								
Federal government	6,079,453	6,386,421	6,882,716	7,505,712	8,458,508	9,451,766	10,678,573	11,290,836
State and local government	170,883	177,121	194,846	235,772	251,115	286,348	286,317	298,547
Industry	608,651	693,036	716,065	741,082	721,999	705,031	676,806	759,185
Institutional funds	787,554	836,551	935,832	1,014,607	1,114,885	1,269,840	1,320,064	1,441,751
All other sources	731,851	779,402	828,023	895,316	959,157	1,018,747	991,416	1,147,613
Field								
Science	7,175,411	7,658,374	8,297,231	9,013,192	9,962,716	11,008,157	12,125,385	12,952,001
Computer sciences	348,019	372,326	349,821	383,389	459,348	478,925	502,334	521,916
Environmental sciences	340,560	334,004	341,080	340,617	367,548	410,668	457,757	481,798
Atmospheric sciences	41,074	51,556	53,717	54,720	54,731	65,273	81,511	61,134
Earth sciences	132,779	123,890	115,378	111,360	121,499	130,731	145,048	158,668
Oceanography	55,467	91,329	89,541	91,477	108,395	118,239	127,724	140,009
Environmental sciences, nec	111,240	67,229	82,444	83,060	82,923	96,425	103,474	121,987
Life sciences	4,958,757	5,362,182	5,984,431	6,603,216	7,335,726	8,164,059	9,088,272	9,807,123
Agricultural sciences	65,030	56,382	61,335	73,315	77,666	82,560	85,794	89,815
Biological sciences	1,695,837	1,838,431	2,032,479	2,239,054	2,435,670	2,673,411	3,179,209	3,471,871
Medical sciences	2,976,850	3,235,855	3,634,625	4,036,242	4,532,860	5,085,673	5,509,492	5,865,891
Life sciences, nec	221,040	231,514	255,992	254,605	289,530	322,415	313,777	379,546
Mathematical sciences	114,499	118,452	126,487	125,422	128,940	139,513	153,851	168,430
Physical sciences	897,221	928,652	908,325	930,290	980,505	1,087,889	1,182,819	1,215,685
Astronomy	95,992	153,817	141,287	134,021	134,686	130,633	150,630	149,876
Chemistry	288,581	296,120	288,260	292,272	301,816	330,926	360,859	370,359
Physics	431,288	394,260	397,921	408,882	435,807	487,889	520,590	549,735
Physical sciences, nec	81,360	84,455	80,857	95,115	108,196	138,441	150,740	145,715
Psychology	111,302	119,891	134,980	149,084	174,624	201,425	215,371	217,477
Social sciences	258,123	280,074	298,554	312,472	342,181	335,686	341,424	351,242
Economics	53,090	49,114	49,293	42,624	44,175	43,788	47,077	47,110
Political sciences	66,091	78,017	90,738	101,525	126,589	120,189	129,235	128,681
Sociology	58,117	68,624	77,303	78,739	76,782	76,787	78,125	85,508
Social sciences, nec	80,825	84,319	81,220	89,584	94,635	94,922	86,987	89,943
Sciences, nec	146,930	142,793	153,553	168,702	173,844	189,992	183,557	188,330
Engineering	1,202,981	1,214,157	1,260,251	1,379,297	1,542,948	1,723,575	1,827,791	1,985,931
Aeronautical/astronautical engineering	94,776	71,956	77,358	94,370	102,983	118,864	122,923	151,125
Bioengineering/biomedical engineering	39,855	57,497	67,203	77,810	96,909	127,991	156,787	188,337
Chemical engineering	81,887	94,268	103,093	114,203	113,287	118,488	121,469	118,546
Civil engineering	69,015	81,608	91,389	101,224	112,186	121,234	123,423	115,069
Electrical engineering	328,376	304,001	332,902	347,988	383,863	410,700	414,518	444,160
Mechanical engineering	199,757	210,489	213,259	233,129	258,221	276,956	288,997	322,931
Metallurgical/materials engineering	109,677	106,301	103,347	106,898	116,026	139,707	154,012	174,127
Engineering, nec	279,638	288,037	271,700	303,675	359,473	409,635	445,662	471,636

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.