

TABLE 6. Nonfederal R&D expenditures at universities and colleges, by science and engineering field: FY 1996–2003
(Dollars in thousands)

Field	1996	1997	1998	1999	2000	2001	2002	2003
All nonfederal R&D expenditures	9,205,400	10,055,357	10,704,268	11,428,469	12,532,339	13,573,859	14,510,311	15,343,366
Science	7,730,349	8,472,265	8,988,940	9,614,495	10,556,933	11,405,691	12,217,999	12,952,182
Computer sciences	188,401	203,097	233,099	277,768	292,772	311,785	355,112	367,996
Environmental sciences	482,465	520,356	547,918	589,169	631,111	645,535	727,696	747,998
Atmospheric sciences	48,511	58,887	59,631	64,696	64,826	68,446	90,934	98,337
Earth sciences	178,226	180,631	201,400	224,253	231,294	225,896	270,397	284,263
Oceanography	162,051	181,208	183,476	198,849	210,510	226,676	233,808	237,627
Environmental sciences, nec	93,677	99,630	103,411	101,371	124,481	124,517	132,557	127,771
Life sciences	5,310,253	5,827,141	6,262,877	6,672,089	7,400,332	8,021,152	8,566,397	9,118,967
Agricultural sciences	1,350,542	1,417,775	1,462,204	1,489,973	1,598,341	1,708,434	1,764,083	1,793,384
Biological sciences	1,381,630	1,498,248	1,645,787	1,814,567	1,961,350	2,073,901	2,170,263	2,374,724
Medical sciences	2,366,931	2,680,946	2,912,465	3,137,050	3,544,591	3,931,438	4,273,671	4,537,708
Life sciences, nec	211,150	230,172	242,421	230,499	296,050	307,379	358,380	413,151
Mathematical sciences	80,230	87,439	96,252	103,253	111,397	117,587	119,601	133,674
Physical sciences	627,735	687,932	721,289	742,032	796,481	831,573	885,838	919,981
Astronomy	93,479	104,447	114,464	111,827	108,822	118,219	124,711	120,562
Chemistry	248,194	269,030	289,242	301,919	330,239	347,664	392,850	404,182
Physics	230,222	255,261	260,544	280,476	305,310	313,535	311,452	332,047
Physical sciences, nec	55,840	59,194	57,039	47,810	52,110	52,155	56,825	63,190
Psychology	123,128	124,789	145,643	154,831	165,954	184,303	196,740	216,107
Social sciences	673,827	716,692	705,979	779,849	808,272	894,843	968,296	994,539
Economics	180,800	170,954	168,848	176,263	166,028	181,748	183,872	206,517
Political sciences	117,539	123,722	122,435	146,268	167,126	181,224	195,224	197,418
Sociology	111,745	136,780	133,889	149,437	164,099	179,755	197,147	189,412
Social sciences, nec	263,743	285,236	280,807	307,881	311,019	352,116	392,053	401,192
Sciences, nec	244,310	304,819	275,883	295,504	350,614	398,913	398,319	452,920
Engineering	1,475,051	1,583,092	1,715,328	1,813,974	1,975,406	2,168,168	2,292,312	2,391,184
Aeronautical/astronautical engineering	61,781	63,704	79,000	77,073	75,144	84,319	95,690	96,279
Bioengineering/biomedical engineering	NA	29,274	45,322	64,303	82,923	91,676	114,521	123,010
Chemical engineering	143,419	150,816	157,804	169,081	179,384	199,637	200,628	205,636
Civil engineering	256,900	271,461	297,757	312,205	363,903	399,587	416,813	449,705
Electrical engineering	287,914	317,670	349,754	365,471	416,808	436,992	485,936	476,966
Mechanical engineering	184,363	195,273	217,137	236,800	249,131	270,796	272,626	289,513
Metallurgical/materials engineering	158,952	166,372	169,706	165,779	172,607	211,922	205,075	231,666
Engineering, nec	381,722	388,522	398,848	423,262	435,506	473,239	501,023	518,409

NA = not available.

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 2003.