TABLE 9. Nonfederal R&D expenditures at public 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	7,121,250	7,853,645	8,406,384	8,943,457	9,858,687	10,686,761	11,481,796	12,059,874
Science	5,917,493	6,539,102	6,981,141	7,418,574	8,197,800	8,877,315	9,556,582	10,061,817
Computer sciences	126,621	139,861	168,224	203,326	220,327	237,242	269,070	278,556
Environmental sciences	429,385	472,107	495,915	533,302	571,335	585,003	661,028	665,853
Atmospheric sciences	45,229	56,207	56,058	59,977	59,149	61,436	83,828	89,880
Earth sciences	156,814	162,397	180,047	199,951	205,486	200,445	243,425	255,055
Oceanography	153,034	173,962	176,390	188,270	202,162	218,497	221,069	220,314
Environmental sciences, nec	74,308	79,541	83,420	85,104	104,538	104,625	112,706	100,604
Life sciences	3,990,905	4,420,695	4,765,024	5,027,122	5,623,850	6,116,191	6,559,059	6,927,125
Agricultural sciences	1,315,616	1,383,815	1,422,390	1,450,841	1,555,448	1,657,294	1,709,015	1,737,150
Biological sciences	998,173	1,090,442	1,216,093	1,344,222	1,448,629	1,510,088	1,606,581	1,751,618
Medical sciences	1,536,283	1,792,147	1,948,504	2,067,426	2,394,825	2,705,162	2,952,820	3,098,022
Life sciences, nec	140,833	154,291	178,037	164,633	224,948	243,647	290,643	340,335
Mathematical sciences	66,566	71,143	80,381	85,155	91,294	99,174	100,561	111,506
Physical sciences	499,234	555,693	582,911	620,207	665,472	691,843	732,170	755,292
Astronomy	78,564	89,438	96,441	101,867	99,610	105,387	111,754	106,008
Chemistry	190,200	207,786	226,346	240,478	262,062	276,357	316,801	323,126
Physics	187,538	211,658	217,879	242,245	262,114	272,020	260,110	279,632
Physical sciences, nec	42,932	46,811	42,245	35,617	41,686	38,079	43,505	46,526
Psychology	92,547	100,014	117,192	124,805	133,306	151,402	159,250	173,970
Social sciences	533,024	559,795	562,611	616,438	634,541	716,367	777,059	808,637
Economics	152,928	141,892	142,216	148,907	137,351	157,572	157,897	183,196
Political sciences	81,404	83,477	81,024	92,730	108,099	114,934	116,773	123,854
Sociology	89,759	109,154	109,139	118,368	126,457	139,236	160,389	154,378
Social sciences, nec	208,933	225,272	230,232	256,433	262,634	304,625	342,000	347,209
Sciences, nec	179,211	219,794	208,883	208,219	257,675	280,093	298,385	340,878
Engineering	1,203,757	1,314,543	1,425,243	1,524,883	1,660,887	1,809,446	1,925,214	1,998,057
Aeronautical/astronautical engineering	46,994	53,735	58,311	66,983	63,265	68,932	80,903	76,298
Bioengineering/biomedical engineering	NA	23,116	35,615	49,477	65,172	70,938	87,960	92,422
Chemical engineering	111,324	123,383	128,223	135,154	141,839	158,754	165,427	167,458
Civil engineering	230,619	244,316	269,402	279,237	328,593	358,336	376,537	405,196
Electrical engineering	222,534	248,996	281,072	296,750	332,753	352,540	396,929	395,622
Mechanical engineering	144,148	153,359	175,955	191,495	200,770	213,590	214,924	225,367
Metallurgical/materials engineering	133,394	141,007	135,497	136,706	143,860	176,840	172,174	196,150
Engineering, nec	314,744	326,631	341,168	369,081	384,635	409,516	430,360	439,544

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.