TABLE A-17. Federally financed R&D expenditures at universities and colleges, by field of science and federal agency: FY 2003
(Dollars in thousands)

Science and engineering field	Federal R&D expenditures	DOD	DOE	HHS	NASA	NSF	USDA	Other
All science and engineering	24,734,033	2,007,738	822,375	10,929,524	937,995	2,404,146	634,201	2,722,659
Computer sciences	936,484	297,063	29,405	21,119	28,164	290,728	2,114	101,248
Environmental sciences	1,439,843	90,988	71,942	22,250	182,001	343,648	25,296	391,622
Atmospheric sciences	297,486	19,890	15,908	2,016	85,395	57,526	1,199	71,635
Earth sciences	439,985	19,001	42,104	7,348	59,123	121,860	18,024	94,616
Oceanography	535,945	37,962	2,993	6,484	20,223	144,297	2,900	193,113
Environmental sciences, nec	166,427	14,135	10,937	6,402	15,700	18,246	3,162	31,636
Life sciences	14,645,014	274,025	123,865	9,756,344	100,591	393,555	537,560	1,171,759
Agricultural sciences	761,825	9,571	15,023	30,417	15,344	53,801	368,798	145,929
Biological sciences	5,017,208	96,979	63,928	3,427,779	41,144	295,019	135,387	338,523
Medical sciences	8,249,066	155,732	36,598	5,845,605	41,788	26,380	21,271	592,164
Life sciences, nec	616,915	11,013	8,264	413,715	2,315	16,592	12,042	91,087
Mathematical sciences	295,219	31,121	6,453	33,607	5,268	123,689	1,815	25,083
Physical sciences	2,352,648	244,729	302,730	304,248	279,773	558,746	6,009	189,467
Astronomy	271,505	8,845	7,069	107	124,916	40,416	15	16,697
Chemistry	816,056	71,379	51,143	263,209	14,978	191,368	3,943	66,637
Physics	1,088,184	143,103	227,401	29,362	80,241	284,595	2,010	95,214
Physical sciences, nec	176,903	20,798	15,275	8,538	59,026	40,569	41	10,086
Psychology	552,623	22,279	1,716	364,415	9,282	37,430	370	45,365
Social sciences	666,551	18,425	10,321	229,350	12,031	82,351	31,100	194,088
Economics	107,876	2,054	3,466	12,940	1,177	18,574	18,623	34,933
Political sciences	91,744	6,562	748	26,004	1,494	14,083	984	35,611
Sociology	182,518	3,097	2,150	95,543	939	23,664	4,382	33,649
Social sciences, nec	284,413	6,712	3,753	93,960	8,421	25,456	7,111	89,596
Sciences, nec	238,014	38,100	7,964	31,097	12,943	46,422	2,667	52,259
Engineering	3,607,637	989,491	265,950	158,329	307,817	525,584	27,125	551,354
Aeronautical/astronautical engineering	305,570	90,476	7,089	348	107,423	11,476	101	42,682
Bioengineering/biomedical engineering	190,498	19,897	1,622	72,520	5,269	23,756	4,362	32,751
Chemical engineering	247,980	28,721	46,503	21,807	14,684	61,089	2,963	29,755
Civil engineering	326,524	28,241	16,938	3,262	11,736	71,236	5,648	145,785
Electrical engineering	924,903	362,870	18,838	18,233	39,295	145,768	390	83,515
Mechanical engineering	532,586	142,321	77,405	11,417	37,909	59,025	706	59,663
Metallurgical/materials engineering	303,153	126,056	34,562	3,500	12,410	51,726	568	41,101
Engineering, nec	776,423	183,460	62,298	27,242	79,091	98,065	12,387	113,776

DOD = Department of Defense; DOE = Department of Energy; HHS = Department of Health and Human Services; NASA = National Aeronautics and Space Administration; NSF = National Science Foundation; USDA = Department of Agriculture; nec = not elsewhere classified.

NOTES: Agency detail may not add to total because some respondents reporting total federal agency data did not break out these data by field of science. Agency data may not add to total federal expenditures because some institutions did not break out their federal expenditures by federal agency.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Research and Development Expenditures at Universities and Colleges, FY 2003.