

TABLE 9. Nonfederally financed R&D expenditures at public universities and colleges, by science and engineering field: FY 1998–2005

(Dollars in thousands)

Field	1998	1999	2000	2001	2002	2003	2004	2005
All nonfederal R&D expenditures	8,406,442	8,943,567	9,858,849	10,689,197	11,480,153	12,045,176	12,334,338	12,936,189
Science	6,981,182	7,418,655	8,197,921	8,879,813	9,554,919	10,052,471	10,310,389	10,767,546
Computer sciences	168,226	203,331	220,334	237,244	269,066	278,520	298,692	300,202
Environmental sciences	495,916	533,304	571,338	581,587	659,003	665,888	683,265	737,804
Atmospheric sciences	56,058	59,977	59,149	61,436	83,828	89,880	87,531	92,210
Earth sciences	180,048	199,953	205,489	200,434	243,342	255,088	265,148	272,990
Oceanography	176,390	188,270	202,162	215,201	219,346	214,819	213,705	244,397
Environmental sciences, nec	83,420	85,104	104,538	104,516	112,487	106,101	116,881	128,207
Life sciences	4,765,061	5,027,194	5,623,959	6,122,819	6,562,497	6,920,100	7,076,170	7,415,669
Agricultural sciences	1,422,427	1,450,913	1,555,557	1,654,519	1,706,435	1,736,158	1,773,344	1,755,469
Biological sciences	1,216,093	1,344,222	1,448,629	1,517,846	1,612,252	1,751,879	1,731,907	1,886,458
Medical sciences	1,948,504	2,067,426	2,394,825	2,705,162	2,952,279	3,094,205	3,233,391	3,381,000
Life sciences, nec	178,037	164,633	224,948	245,292	291,531	337,858	337,528	392,742
Mathematical sciences	80,381	85,155	91,294	99,173	100,597	111,281	108,277	121,684
Physical sciences	582,912	620,209	665,474	691,819	732,178	756,716	801,832	840,395
Astronomy	96,441	101,867	99,610	105,387	111,754	106,008	111,091	124,601
Chemistry	226,347	240,480	262,064	276,338	316,826	326,459	318,766	331,430
Physics	217,879	242,245	262,114	272,015	260,092	277,723	295,181	304,200
Physical sciences, nec	42,245	35,617	41,686	38,079	43,506	46,526	76,794	80,164
Psychology	117,192	124,805	133,306	151,401	159,273	173,993	153,238	173,892
Social sciences	562,611	616,438	634,541	716,376	777,018	808,701	786,145	791,023
Economics	142,216	148,907	137,351	157,639	158,039	183,413	183,666	188,789
Political sciences	81,024	92,730	108,099	114,929	116,763	123,845	111,843	128,640
Sociology	109,139	118,368	126,457	139,183	160,233	153,488	141,058	142,706
Social sciences, nec	230,232	256,433	262,634	304,625	341,983	347,955	349,578	330,888
Sciences, nec	208,883	208,219	257,675	279,394	295,287	337,272	402,770	386,877
Engineering	1,425,260	1,524,912	1,660,928	1,809,384	1,925,234	1,992,705	2,023,949	2,168,643
Aeronautical/astronautical engineering	58,311	66,983	63,265	68,932	80,928	76,322	84,685	95,859
Bioengineering/biomedical engineering	35,615	49,477	65,172	70,938	87,960	92,422	94,614	111,334
Chemical engineering	128,223	135,154	141,839	158,754	165,439	167,184	188,731	174,610
Civil engineering	269,412	279,256	328,622	358,355	376,548	405,216	398,736	406,639
Electrical engineering	281,079	296,758	332,762	352,550	397,019	394,113	390,123	447,626
Mechanical engineering	175,955	191,495	200,770	213,585	214,966	225,402	231,562	246,066
Metallurgical/materials engineering	135,497	136,706	143,860	176,840	172,174	196,150	173,206	192,228
Engineering, nec	341,168	369,083	384,638	409,430	430,200	435,896	462,292	494,281

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.