

TABLE 71. Federally financed R&D expenditures at universities and colleges, by science and engineering field and agency: FY 2007
(Dollars in thousands)

Science and engineering field	Federal R&D expenditures	DOD	DOE	HHS	NASA	NSF	USDA	Other ^a
All science and engineering	30,440,745	2,773,275	1,114,913	17,064,754	1,040,664	3,550,777	910,299	2,834,956
Computer sciences	1,013,649	271,592	35,565	54,223	23,715	402,391	39,199	97,884
Environmental sciences	1,834,740	167,483	93,892	59,039	250,157	594,755	67,239	513,752
Atmospheric sciences	386,786	27,122	18,941	1,649	101,822	98,613	4,700	87,399
Earth sciences	597,139	41,240	55,427	11,726	112,524	191,356	49,785	124,782
Oceanography	672,884	81,241	6,158	14,767	20,625	264,901	4,126	250,913
Environmental sciences, nec	177,931	17,880	13,366	30,897	15,186	39,885	8,628	50,658
Life sciences	18,347,934	441,905	140,452	15,179,338	90,057	576,101	713,872	1,020,927
Agricultural sciences	896,573	11,939	24,490	65,714	10,898	83,168	477,010	171,406
Biological sciences	6,199,005	144,722	64,362	4,942,471	36,345	422,465	183,054	309,901
Medical sciences	10,574,346	257,477	43,351	9,651,242	39,513	48,444	36,106	466,898
Life sciences, nec	678,010	27,767	8,249	519,911	3,301	21,936	17,702	72,722
Mathematical sciences	408,082	42,330	14,229	85,329	3,968	193,489	2,212	33,349
Physical sciences	2,677,165	342,180	388,633	475,128	356,728	784,682	8,758	181,333
Astronomy	301,847	13,959	7,581	179	152,619	64,872	0	35,479
Chemistry	969,150	108,052	67,910	417,028	13,060	261,980	4,677	64,720
Physics	1,218,828	181,229	298,250	36,362	158,006	412,989	2,376	60,284
Physical sciences, nec	187,340	38,940	14,892	21,559	33,043	44,401	1,705	20,848
Psychology	599,882	31,827	6,308	437,146	10,781	45,969	1,504	60,264
Social sciences	755,300	48,018	15,067	298,126	10,497	108,487	33,584	231,364
Economics	124,802	3,257	3,058	22,797	407	20,113	20,723	50,212
Political sciences	129,141	8,807	2,159	45,285	455	17,561	3,133	51,568
Sociology	206,012	2,939	565	130,517	571	30,776	4,095	33,441
Social sciences, nec	295,345	33,015	9,285	99,527	9,064	40,037	5,633	96,143
Sciences, nec	342,065	61,566	13,618	77,380	11,660	71,023	4,780	73,471
Engineering	4,461,928	1,366,374	407,149	398,189	282,912	773,650	38,582	619,945
Aeronautical/astronautical engineering	293,693	100,613	7,196	4,003	72,366	14,429	14	38,481
Bioengineering/biomedical engineering	320,317	35,310	6,027	208,712	5,610	33,389	6,446	23,027
Chemical engineering	323,587	62,732	60,900	52,662	9,668	82,240	6,054	34,689
Civil engineering	360,742	44,705	26,546	8,485	9,634	87,414	5,234	162,851
Electrical engineering	1,103,339	489,924	36,098	39,378	50,074	232,038	368	72,885
Mechanical engineering	699,866	210,411	134,920	27,850	32,956	98,206	2,844	77,745
Metallurgical/materials engineering	381,909	170,035	54,814	11,740	8,004	89,142	656	43,999
Engineering, nec	978,475	252,559	80,648	45,359	94,514	136,792	16,966	166,218

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

^a Includes all other agencies reported.

NOTE: Detail may not add to total because some institutions were unable to provide complete agency data by field. Data are not adjusted for nonresponse.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Research and Development Expenditures at Universities and Colleges, FY 2007.