

TABLE 71. Federally financed R&D expenditures at universities and colleges, by science and engineering field and agency: FY 2005  
(Dollars in thousands)

Science and engineering field	Federal R&D expenditures	DOD	DOE	HHS	NASA	NSF	USDA	Other <sup>a</sup>
All science and engineering	29,167,128	2,614,734	1,055,302	15,869,380	1,130,168	3,532,672	814,067	3,326,576
Computer sciences	1,022,837	301,533	28,605	36,171	28,046	426,815	1,872	129,327
Environmental sciences	1,725,313	141,092	95,899	59,849	217,758	589,697	53,815	522,259
Atmospheric sciences	358,527	25,318	18,136	1,213	86,092	106,494	2,504	105,021
Earth sciences	614,337	31,042	60,026	11,196	95,556	198,428	39,535	145,103
Oceanography	545,624	63,507	5,091	13,112	20,363	197,841	4,537	204,434
Environmental sciences, nec	206,825	17,579	12,125	33,209	14,889	32,789	7,239	47,451
Life sciences	17,690,853	428,402	153,276	14,196,594	114,035	567,591	672,855	1,421,308
Agricultural sciences	845,191	11,280	18,956	51,547	14,642	99,813	452,597	187,933
Biological sciences	6,194,420	139,191	67,972	4,913,445	46,462	406,548	179,753	384,572
Medical sciences	9,898,274	257,950	57,374	8,622,110	48,615	43,944	27,222	772,722
Life sciences, nec	752,968	19,981	8,974	609,492	4,316	17,286	13,283	76,081
Mathematical sciences	346,213	41,016	9,525	61,857	4,495	174,065	3,515	25,120
Physical sciences	2,673,596	319,255	379,414	451,879	353,447	778,863	6,656	243,566
Astronomy	310,851	14,423	6,464	31	119,758	61,982	0	49,723
Chemistry	947,606	104,047	67,736	402,658	21,570	271,324	4,505	58,705
Physics	1,232,945	172,204	290,479	31,160	161,429	401,040	1,782	121,573
Physical sciences, nec	182,194	28,581	14,735	18,030	50,690	44,517	369	13,565
Psychology	611,001	28,774	715	450,904	11,515	51,040	406	60,963
Social sciences	691,404	25,404	19,395	256,467	11,586	98,466	35,135	229,131
Economics	109,269	1,010	4,982	16,554	2,356	18,851	22,952	41,427
Political sciences	106,041	3,498	870	40,468	275	16,034	1,430	42,671
Sociology	193,702	4,174	524	120,950	403	25,990	4,823	34,087
Social sciences, nec	282,392	16,722	13,019	78,495	8,552	37,591	5,930	110,946
Sciences, nec	290,194	45,875	10,603	42,709	8,076	62,268	5,164	75,559
Engineering	4,115,717	1,277,581	353,893	290,638	380,121	772,191	34,617	599,144
Aeronautical/astronautical engineering	330,473	93,526	7,727	1,516	130,593	14,534	220	39,378
Bioengineering/biomedical engineering	255,401	26,875	4,769	152,095	8,303	32,293	3,486	27,044
Chemical engineering	292,190	52,751	52,455	34,156	15,413	83,964	5,231	34,214
Civil engineering	337,662	40,971	19,668	5,960	11,094	93,342	5,971	155,243
Electrical engineering	1,045,388	481,648	32,172	25,932	46,407	237,817	462	88,931
Mechanical engineering	626,297	195,787	115,756	22,015	42,341	93,132	1,156	70,122
Metallurgical/materials engineering	368,934	172,602	51,266	8,565	11,614	78,203	697	45,304
Engineering, nec	859,372	204,767	70,080	40,399	114,232	131,756	17,394	134,628

nec = not elsewhere classified.

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 = U.S. Department of Agriculture.

<sup>a</sup> Includes all other agencies reported.

NOTES: Agency detail may not add to total federal expenditures because some institutions were unable to provide complete agency data. 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 2005.