

**Table B-7. Federally financed R&D expenditures at doctorate-granting institutions, by science and engineering field: fiscal years 1993-2000**

[Dollars in thousands]

Field	1993	1994	1995	1996	1997	1998	1999	2000
Total .....	11,748,767	12,432,161	13,099,682	13,593,138	14,039,577	14,859,456	15,800,727	17,199,786
Engineering .....	1,830,261	1,962,634	2,066,891	2,192,411	2,211,259	2,308,440	2,399,182	2,520,496
Aeronautical and astronautical .....	154,565	159,430	178,293	166,833	179,153	167,026	173,397	164,704
Bioengineering/bio- medical .....	--	--	--	--	47,189	56,369	71,797	89,471
Chemical .....	141,915	149,581	159,778	172,236	163,076	167,181	177,961	193,524
Civil .....	150,217	159,650	180,534	191,553	193,742	190,484	213,364	229,312
Electrical .....	451,011	481,641	534,248	587,559	613,283	682,480	641,155	683,831
Mechanical .....	304,557	322,562	332,773	326,808	308,752	335,381	379,246	374,915
Metallurgical and materials .....	149,675	154,685	174,545	189,379	221,276	220,308	215,577	224,123
Other, n.e.c. ....	478,321	535,085	506,720	558,043	484,788	489,211	526,685	560,616
All sciences .....	9,918,506	10,469,527	11,032,791	11,400,727	11,828,318	12,551,016	13,401,545	14,679,290
Physical sciences .....	1,471,578	1,519,841	1,590,876	1,580,198	1,630,704	1,701,415	1,806,052	1,858,785
Astronomy .....	164,222	180,079	205,633	181,459	181,925	186,397	275,839	280,552
Chemistry .....	482,758	495,277	509,364	527,180	524,178	554,192	584,820	603,626
Physics .....	691,531	708,966	741,657	735,935	780,604	793,442	842,258	869,943
Other, n.e.c. ....	133,067	135,519	134,222	135,624	143,997	167,384	103,135	104,664
Environmental sciences .....	845,038	918,673	936,909	980,583	986,975	1,051,424	1,075,035	1,103,403
Atmospheric .....	157,249	158,652	161,006	173,357	184,400	206,310	219,782	220,528
Earth sciences .....	236,914	263,632	266,076	258,914	258,986	301,169	309,176	318,373
Oceanography .....	319,684	313,331	321,535	362,108	346,407	353,823	395,545	411,157
Other, n.e.c. ....	131,191	183,058	188,292	186,204	197,182	190,122	150,532	153,345
Mathematical sciences .....	194,878	198,092	197,328	200,440	194,704	207,050	201,399	218,831
Computer sciences .....	416,272	454,329	476,186	491,589	492,676	500,128	563,109	560,859
Life sciences .....	6,317,343	6,662,417	7,034,906	7,322,283	7,664,229	8,226,606	8,853,192	9,956,617
Agricultural sciences .....	423,570	461,707	499,618	527,904	507,194	491,812	511,338	538,709
Biological sciences .....	2,277,035	2,402,623	2,450,640	2,487,331	2,638,015	2,886,637	3,171,862	3,599,648
Medical sciences .....	3,364,587	3,532,740	3,822,498	4,018,126	4,217,840	4,549,197	4,853,538	5,436,516
Other, n.e.c. ....	252,151	265,347	262,150	288,922	301,180	298,960	316,454	381,744
Psychology .....	222,025	229,378	236,220	247,179	260,601	289,025	299,789	338,186
Social sciences .....	328,487	348,032	376,376	411,057	394,576	411,163	457,818	477,264
Economics .....	73,760	73,006	76,514	88,640	87,520	90,412	88,224	87,160
Political science .....	42,322	49,298	59,182	61,494	51,005	52,124	53,171	61,046
Sociology .....	87,903	93,174	100,617	114,042	116,117	113,445	116,508	132,236
Other, n.e.c. ....	124,502	132,554	140,063	146,881	139,934	155,182	199,915	196,822
Other sciences, n.e.c. ....	122,885	138,765	183,990	167,398	203,853	164,205	145,151	165,345

**KEY:** -- = not available  
n.e.c. = not elsewhere classified

**NOTE:** Because of rounding, detail may not add to totals.

**SOURCE:** National Science Foundation/Division of Science Resources Statistics, Survey of Research and Development Expenditures at Universities and Colleges, Fiscal Year 2000