

**Table B-8. Non-Federal R&D expenditures at doctorate-granting institutions, by source of funds and science and engineering field: fiscal years 1993-2000**

[Dollars in thousands]

Source and field	1993	1994	1995	1996	1997	1998	1999	2000
<b>Total</b> .....	<b>7,866,964</b>	<b>8,241,034</b>	<b>8,692,369</b>	<b>9,050,944</b>	<b>9,888,910</b>	<b>10,522,316</b>	<b>11,268,594</b>	<b>12,396,849</b>
<b>Source of funds</b>								
State and local government .....	1,527,053	1,513,562	1,645,164	1,766,856	1,860,419	1,891,449	1,952,958	2,159,563
Industry .....	1,332,045	1,392,810	1,456,777	1,571,837	1,702,749	1,856,072	2,003,667	2,145,038
Institutional funds .....	3,540,677	3,780,184	3,997,079	4,116,703	4,639,854	4,946,184	5,349,213	5,870,744
All other sources .....	1,467,189	1,554,478	1,593,349	1,595,548	1,685,888	1,828,611	1,962,756	2,221,504
<b>Field</b>								
<b>Engineering</b> .....	<b>1,273,522</b>	<b>1,335,439</b>	<b>1,386,325</b>	<b>1,448,785</b>	<b>1,554,872</b>	<b>1,686,806</b>	<b>1,790,188</b>	<b>1,955,448</b>
Aeronautical and aeronautical .....	52,488	51,632	57,085	61,323	63,141	78,539	77,100	75,973
Bioengineering/bio- medical .....	--	--	--	--	29,274	45,286	63,187	80,150
Chemical .....	130,145	127,571	135,117	142,711	149,908	156,831	169,324	178,608
Civil .....	210,411	230,920	235,990	249,436	263,867	291,155	307,102	357,808
Electrical .....	235,181	250,500	271,045	283,335	313,244	345,200	363,687	414,579
Mechanical .....	168,612	170,450	175,759	178,942	188,752	208,246	230,336	242,464
Metallurgical and materials .....	147,983	153,879	153,713	158,268	165,625	168,983	166,438	172,289
Other, n.e.c. ....	328,702	350,487	357,616	374,770	381,061	392,566	413,014	433,577
<b>All sciences</b> .....	<b>6,593,442</b>	<b>6,905,595</b>	<b>7,306,044</b>	<b>7,602,159</b>	<b>8,334,038</b>	<b>8,835,510</b>	<b>9,478,406</b>	<b>10,441,401</b>
<b>Physical sciences</b> .....	<b>596,955</b>	<b>590,270</b>	<b>594,841</b>	<b>600,348</b>	<b>657,547</b>	<b>689,644</b>	<b>718,606</b>	<b>771,129</b>
Astronomy .....	93,073	85,805	96,046	92,847	103,883	113,724	111,446	108,688
Chemistry .....	224,612	229,671	227,119	235,437	255,231	275,136	288,340	317,342
Physics .....	223,553	219,241	216,690	217,254	240,453	244,664	272,608	294,481
Other, n.e.c. ....	55,717	55,553	54,986	54,810	57,980	56,120	46,212	50,618
<b>Environmental sciences</b> .....	<b>429,907</b>	<b>433,035</b>	<b>451,651</b>	<b>460,512</b>	<b>498,822</b>	<b>525,483</b>	<b>563,333</b>	<b>614,776</b>
Atmospheric .....	48,966	40,911	43,716	47,914	58,237	58,974	65,008	65,313
Earth sciences .....	166,439	177,136	175,685	169,466	171,964	190,346	212,516	225,694
Oceanography .....	121,545	124,458	134,002	154,229	172,885	175,135	187,542	201,436
Other, n.e.c. ....	92,957	90,530	98,248	88,903	95,736	101,028	98,267	122,333
<b>Mathematical sciences</b> .....	<b>64,314</b>	<b>73,549</b>	<b>69,648</b>	<b>75,662</b>	<b>82,401</b>	<b>91,488</b>	<b>99,561</b>	<b>106,889</b>
<b>Computer sciences</b> .....	<b>180,744</b>	<b>180,461</b>	<b>193,959</b>	<b>182,854</b>	<b>198,260</b>	<b>226,390</b>	<b>267,938</b>	<b>289,449</b>
<b>Life sciences</b> .....	<b>4,433,297</b>	<b>4,693,194</b>	<b>5,035,814</b>	<b>5,269,651</b>	<b>5,782,123</b>	<b>6,207,284</b>	<b>6,631,993</b>	<b>7,375,075</b>
Agricultural sciences .....	1,098,665	1,159,105	1,271,742	1,339,188	1,404,143	1,440,453	1,464,578	1,582,537
Biological sciences .....	1,207,891	1,248,282	1,322,949	1,357,040	1,471,837	1,619,515	1,796,680	1,942,704
Medical sciences .....	1,951,448	2,099,052	2,240,446	2,364,163	2,677,793	2,906,851	3,141,860	3,554,065
Other, n.e.c. ....	175,293	186,755	200,677	209,260	228,350	240,465	228,875	295,769
<b>Psychology</b> .....	<b>111,659</b>	<b>113,453</b>	<b>116,276</b>	<b>116,846</b>	<b>117,442</b>	<b>137,216</b>	<b>149,857</b>	<b>162,853</b>
<b>Social sciences</b> .....	<b>544,168</b>	<b>582,645</b>	<b>616,176</b>	<b>657,457</b>	<b>697,783</b>	<b>687,949</b>	<b>762,101</b>	<b>787,154</b>
Economics .....	152,204	164,880	168,330	178,893	168,942	167,522	173,962	163,552
Political science .....	106,351	109,053	111,479	115,450	121,308	120,480	145,130	163,392
Sociology .....	89,090	96,389	106,923	107,645	132,766	129,538	142,898	157,490
Other, n.e.c. ....	196,523	212,323	229,444	255,469	274,767	270,409	300,111	302,720
<b>Other sciences, n.e.c.</b> .....	<b>232,398</b>	<b>238,988</b>	<b>227,679</b>	<b>238,829</b>	<b>299,660</b>	<b>270,056</b>	<b>285,017</b>	<b>334,076</b>

**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