

**Table B-14. Non-Federal R&D expenditures at private universities and colleges,  
by source of funds and science and engineering field: fiscal years 1988-95**

[Dollars in thousands]

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Source and field	1995	1994	1993	1992	1991	1990	1989	1988
Total .....	1,955,810	1,899,338	1,789,787	1,777,466	1,664,105	1,510,849	1,369,320	1,212,745
	Source of funds							
State and local governments ....	173,066	148,591	142,478	137,856	142,488	133,357	123,208	110,644
Industry .....	486,425	472,041	465,844	436,061	415,325	394,153	361,921	325,789
Institutional funds .....	644,577	634,686	607,392	639,628	581,952	497,964	451,382	400,245
All other sources .....	651,742	644,020	574,073	563,921	524,340	485,375	432,809	376,067
	Field							
Engineering, total .....	245,934	250,655	256,877	284,727	271,165	246,543	224,462	203,936
Aeronautical and aeronautical .....	12,260	14,611	16,233	11,521	11,171	11,316	11,817	9,788
Chemical .....	30,664	31,580	34,386	37,957	39,532	29,326	27,204	24,093
Civil .....	24,512	23,760	24,442	24,818	24,622	22,843	21,409	19,875
Electrical .....	56,938	58,579	61,529	72,424	70,728	70,654	61,978	52,751
Mechanical .....	31,316	38,556	40,540	46,724	39,269	35,759	31,094	28,561
Metallurgical and materials <sup>1</sup> .....	24,359	25,746	27,625	30,057	28,697	28,198	--	--
Other, n.e.c. ....	65,886	57,823	52,122	61,226	57,146	48,447	70,960	68,868
All sciences, total .....	1,709,875	1,648,684	1,532,910	1,492,739	1,392,940	1,264,306	1,144,858	1,008,809
Physical sciences .....	116,351	121,023	130,595	131,433	118,018	108,478	101,271	89,037
Astronomy .....	17,343	15,855	18,130	15,532	15,169	12,150	8,692	7,857
Chemistry .....	56,265	55,329	55,708	58,017	53,257	54,370	51,975	44,237
Physics .....	37,130	44,495	49,966	41,987	38,941	35,763	35,921	32,289
Other, n.e.c. ....	5,614	5,345	6,791	15,897	10,651	6,195	4,683	4,654
Environmental sciences .....	46,030	44,938	45,938	47,008	45,622	41,141	43,247	39,423
Atmospheric .....	2,542	3,240	2,684	3,319	3,717	3,606	4,128	3,618
Earth sciences .....	21,334	21,243	18,743	19,405	17,740	13,647	15,977	14,503
Oceanography .....	7,615	5,821	7,553	8,427	8,743	8,298	8,455	8,135
Other, n.e.c. ....	14,539	14,633	16,958	15,857	15,422	15,590	14,687	13,167
Mathematical sciences .....	14,294	14,017	12,469	11,497	10,630	10,435	10,013	7,563
Computer sciences .....	64,802	52,662	57,656	52,454	52,126	48,309	49,273	42,794
Life sciences .....	1,224,313	1,161,218	1,045,330	1,026,401	967,136	866,941	768,103	693,303
Agricultural sciences .....	35,656	34,708	30,778	31,289	37,679	36,551	36,149	33,279
Biological sciences .....	338,496	332,279	313,395	312,580	286,696	263,611	242,396	212,405
Medical sciences .....	772,309	733,389	650,407	634,481	599,365	525,827	457,526	415,747
Other, n.e.c. ....	77,852	60,843	50,750	48,051	43,396	40,952	32,032	31,872
Psychology .....	30,082	29,755	30,719	31,697	25,287	22,778	20,335	18,866
Social sciences .....	141,810	143,068	137,830	138,236	118,847	118,409	110,552	88,185
Economics .....	27,738	32,531	33,033	36,759	37,347	40,141	36,989	29,772
Political science .....	36,255	39,495	42,419	44,367	31,983	28,176	29,078	21,645
Sociology .....	20,371	21,471	21,615	19,856	19,186	17,041	17,846	17,820
Other, n.e.c. ....	57,445	49,572	40,763	37,254	30,331	33,051	26,639	18,948
Other sciences, n.e.c. ....	72,192	82,001	72,373	54,013	55,274	47,815	42,064	29,638

<sup>1</sup> Data for metallurgical and materials engineering were not collected separately prior to fiscal year 1990.

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

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

**SOURCE:** National Science Foundation/SRS, Survey of Scientific and Engineering Expenditures at Universities and Colleges, Fiscal Year 1995