

Table B-12. R&D expenditures at private universities and colleges, by source of funds and science and engineering field: fiscal years 1992-1999

[Dollars in thousands]

Source and field	1999	1998	1997	1996	1995	1994	1993	1992
Total	8,860,831	8,368,868	7,938,859	7,452,529	7,214,179	6,909,416	6,574,687	6,269,809
Source of funds								
Federal Government	6,379,668	6,073,207	5,739,187	5,370,238	5,227,474	5,009,602	4,784,845	4,492,299
State and local government	176,719	170,611	167,447	161,123	176,894	149,328	142,478	137,856
Industry	691,139	608,038	560,457	528,441	485,350	475,277	465,849	436,064
Institutional funds	837,646	785,770	808,321	750,832	659,456	636,062	607,410	639,642
All other sources	775,659	731,242	663,447	641,895	665,005	639,147	574,105	563,948
Field								
Engineering	1,214,093	1,202,611	1,152,125	1,119,127	1,073,928	1,067,528	1,043,106	1,027,720
Aeronautical and astronautical	71,843	94,682	92,455	94,266	97,699	93,201	86,912	76,786
Bioengineering/bio-medical	57,652	39,855	24,564	--	--	--	--	--
Chemical	94,379	81,887	79,638	90,371	91,355	88,305	87,997	87,809
Civil	82,263	69,015	72,328	72,960	69,269	68,462	67,126	65,411
Electrical	303,413	328,151	315,854	302,901	279,063	278,620	279,267	278,576
Mechanical	210,295	199,757	185,420	169,760	174,486	197,410	189,612	174,183
Metallurgical and materials	106,935	109,677	99,419	89,757	76,752	71,367	78,375	83,090
Other, n.e.c.	287,313	279,587	282,447	299,112	285,304	270,163	253,817	261,865
All sciences	7,646,738	7,166,257	6,786,734	6,333,402	6,140,251	5,841,888	5,531,581	5,242,089
Physical sciences	925,077	897,243	867,537	810,652	788,614	763,356	750,802	765,738
Astronomy	153,603	95,837	99,472	88,887	89,975	82,003	83,924	83,788
Chemistry	293,279	290,009	262,266	259,499	249,111	245,588	241,180	238,102
Physics	392,897	430,037	429,363	394,569	393,216	380,920	368,075	361,173
Other, n.e.c.	85,298	81,360	76,436	67,697	56,312	54,845	57,623	82,675
Environmental sciences	333,688	340,314	307,116	295,205	298,151	296,369	286,092	276,191
Atmospheric	51,525	41,074	32,455	31,602	32,154	38,334	35,000	32,896
Earth sciences	123,705	132,609	114,863	114,666	113,075	110,594	101,826	103,599
Oceanography	91,304	55,448	49,328	49,674	50,147	53,548	85,021	82,451
Other, n.e.c.	67,154	111,183	110,470	99,263	102,775	93,893	64,245	57,245
Mathematical sciences	118,073	114,151	111,191	113,849	110,238	114,070	114,527	102,278
Computer sciences	371,749	347,566	359,618	353,636	341,643	321,166	313,439	271,514
Life sciences	5,357,930	4,951,960	4,604,292	4,280,867	4,115,622	3,878,455	3,621,679	3,426,449
Agricultural sciences	56,186	65,030	60,454	52,012	55,164	54,227	47,454	45,338
Biological sciences	1,837,719	1,689,124	1,558,306	1,450,005	1,422,528	1,369,048	1,297,460	1,235,481
Medical sciences	3,232,488	2,976,768	2,769,723	2,574,774	2,430,995	2,254,346	2,094,506	1,982,407
Other, n.e.c.	231,537	221,038	215,809	204,076	206,935	200,834	182,259	163,223
Psychology	119,720	111,100	97,482	100,826	101,629	103,935	106,807	101,755
Social sciences	279,647	257,862	271,103	256,390	254,974	247,509	232,532	219,791
Economics	48,854	52,952	53,891	45,774	42,870	44,820	44,107	46,989
Political science	77,861	66,054	64,578	66,463	64,852	63,836	63,122	61,444
Sociology	68,795	58,018	60,322	54,626	49,157	51,096	48,486	46,807
Other, n.e.c.	84,137	80,838	92,312	89,527	98,095	87,757	76,817	64,551
Other sciences, n.e.c.	140,854	146,061	168,395	121,977	129,380	117,028	105,703	78,373

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

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

SOURCE: National Science Foundation/Division of Science Resources Studies, Survey of Research and Development Expenditures at Universities and Colleges, Fiscal Year 1999