Appendix table 5-13

Current expenditures for research equipment at academic institutions, by field: Selected years, 1985–2006

Field	1985	1990	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
	Current $millions													
All fields	672	1,013	1,240	1,215	1,289	1,295	1,326	1,436	1,512	1,701	1,817	1,891	1,876	1,839
Computer sciences	35	48	77	67	71	63	63	56	65	101	99	105	72	69
Environmental sciences	48	72	83	88	94	101	99	100	87	132	121	125	122	144
Atmospheric sciences	8	11	14	14	15	14	14	12	12	14	17	20	25	54
Earth sciences	18	27	27	31	35	37	35	37	29	33	42	43	44	34
Oceanography	16	20	28	29	31	33	37	34	34	74	50	41	40	45
Environmental sciences nec	5	13	15	14	13	17	13	17	11	11	11	22	13	10
Life sciences	283	420	464	444	479	496	557	630	689	737	819	836	825	755
Agricultural sciences	52	54	63	63	70	76	72	77	83	72	78	79	72	75
Biological sciences	105	171	192	181	196	191	245	269	284	296	337	347	326	300
Medical sciences	114	177	187	183	198	213	221	263	303	339	371	376	378	343
Life sciences nec	12	19	22	18	15	16	19	21	20	29	33	34	49	37
Mathematical sciences	6	10	14	13	15	14	12	10	12	10	8	8	9	9
Physical sciences	142	191	240	234	244	254	249	250	241	275	297	337	324	328
Astronomy	7	13	22	21	26	25	29	25	15	19	19	25	23	20
Chemistry	54	73	81	88	90	91	102	103	101	122	119	117	112	121
Physics	71	91	114	105	109	122	106	110	113	122	139	160	160	153
Physical sciences nec	10	14	22	19	19	16	11	13	13	12	20	36	30	34
Psychology	9	11	12	12	13	13	12	14	14	19	23	18	15	18
Social sciences	10	15	27	25	24	22	18	19	17	17	18	14	18	12
Economics	3	4	7	6	5	4	4	3	2	2	3	2	2	2
Political science	1	1	3	3	3	3	2	2	2	2	2	2	2	1
Sociology	2	3	4	4	4	4	3	3	3	4	3	2	3	2
Social sciences nec	4	7	12	11	11	11	9	11	9	9	9	8	11	7
Sciences nec	15	25	51	45	48	33	32	51	54	47	49	53	53	66
Engineering	124	220	272	285	301	298	285	306	333	363	385	394	438	439
Aeronautical/astronautical	7	13	17	16	19	19	22	20	23	24	22	21	20	19
Bioengineering/biomedical	NA	NA	NA	NA	4	6	8	14	15	18	20	19	29	25
Chemical	11	18	22	24	23	28	27	26	31	30	32	55	37	38
Civil	10	20	22	26	28	21	23	29	32	43	31	34	29	27
Electrical	33	58	68	75	83	82	70	72	79	79	86	81	91	94
Mechanical	17	32	42	43	46	51	51	54	48	54	55	55	76	84
Metallurgical/materials	NA	27	28	32	36	29	28	30	49	41	61	38	51	55
Engineering nec	46	51	73	69	62	60	57	61	55	74	78	91	106	98
	2000 constant $millions													
All fields	965	1,247	1,345	1,294	1,350	1,338	1,353	1,436	1,486	1,640	1,716	1,742	1,676	1,595
Computer sciences	51	59	83	72	75	66	64	56	64	97	93	97	65	60
Environmental sciences	69	89	90	94	98	105	101	100	86	127	114	116	109	125
Atmospheric sciences	12	14	15	14	16	15	15	12	12	14	16	18	22	47
Earth sciences	26	34	29	33	37	39	35	37	29	31	40	40	40	30
Oceanography	23	25	30	31	32	34	38	34	34	71	47	38	36	39

Appendix table 5-13

Current expenditures for research equipment at academic institutions, by field: Selected years, 1985–2006

Field	1985	1990	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Environmental sciences nec	7	16	16	15	13	17	14	17	11	10	11	20	11	9
Life sciences	406	517	503	473	501	512	568	630	677	710	773	770	737	654
Agricultural sciences	74	66	69	67	73	79	74	77	81	70	74	73	64	65
Biological sciences	151	210	208	192	205	197	250	269	279	286	318	320	291	260
Medical sciences	164	218	203	195	207	220	225	263	297	327	350	347	338	297
Life sciences nec	17	23	24	19	16	16	19	21	20	28	31	31	44	32
Mathematical sciences	9	13	16	14	16	15	12	10	11	10	7	7	8	7
Physical sciences	204	235	260	249	255	263	254	250	237	265	281	311	290	284
Astronomy	10	16	24	23	28	26	29	25	15	19	18	23	20	18
Chemistry	78	90	88	94	94	94	104	103	99	118	112	108	100	105
Physics	102	112	124	112	114	126	109	110	111	117	131	147	143	132
Physical sciences nec	14	17	23	21	20	16	12	13	13	12	19	33	27	30
Psychology	13	13	13	13	14	14	12	14	14	18	21	16	13	16
Social sciences	14	18	29	27	25	23	18	19	16	17	17	13	16	10
Economics	4	5	8	7	6	4	4	3	2	2	3	2	2	1
Political science	2	2	3	4	3	3	2	2	2	2	2	2	1	1
Sociology	3	4	5	5	5	4	3	3	3	4	3	2	2	2
Social sciences nec	6	8	13	12	12	11	9	11	9	9	9	8	10	6
Sciences nec	21	31	55	48	51	34	33	51	53	46	46	49	47	57
Engineering	179	271	295	304	315	308	291	306	327	350	363	363	392	380
Aeronautical/astronautical	9	16	18	17	20	20	22	20	23	23	21	20	17	16
Bioengineering/biomedical	NA	NA	NA	NA	4	6	8	14	15	17	19	17	26	22
Chemical	16	22	24	26	24	29	28	26	30	29	30	50	33	33
Civil	15	25	24	27	29	22	24	29	32	41	29	31	26	23
Electrical	47	72	74	80	87	85	71	72	77	76	81	75	81	81
Mechanical	25	40	45	45	48	53	52	54	47	52	52	51	68	72
Metallurgical/materials	NA	33	30	34	38	30	29	30	48	39	58	35	45	47
Engineering nec	66	63	80	74	65	62	58	61	54	72	73	83	95	85
	Percent distribution													
All fields	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Computer sciences	5.3	4.7	6.2	5.5	5.5	4.9	4.8	3.9	4.3	5.9	5.4	5.5	3.9	3.8
Environmental sciences	7.1	7.1	6.7	7.2	7.3	7.8	7.5	6.9	5.8	7.7	6.7	6.6	6.5	7.8
Atmospheric sciences	1.2	1.1	1.1	1.1	1.2	1.1	1.1	0.8	0.8	0.9	1.0	1.0	1.3	3.0
Earth sciences	2.7	2.7	2.2	2.6	2.7	2.9	2.6	2.6	1.9	1.9	2.3	2.3	2.4	1.9
Oceanography	2.4	2.0	2.2	2.4	2.4	2.5	2.8	2.3	2.3	4.3	2.8	2.2	2.1	2.4
Environmental sciences nec	0.8	1.3	1.2	1.2	1.0	1.3	1.0	1.2	0.7	0.6	0.6	1.1	0.7	0.5
Life sciences	42.1	41.5	37.4	36.6	37.2	38.3	42.0	43.9	45.6	43.3	45.0	44.2	44.0	41.0
Agricultural sciences	7.7	5.3	5.1	5.2	5.4	5.9	5.5	5.4	5.5	4.2	4.3	4.2	3.8	4.1
Biological sciences	15.6	16.9	15.4	14.9	15.2	14.7	18.4	18.7	18.8	17.4	18.5	18.4	17.4	16.3
Medical sciences	17.0	17.5	15.1	15.1	15.4	16.4	16.7	18.3	20.0	19.9	20.4	19.9	20.1	18.6
Life sciences nec	1.7	1.9	1.8	1.5	1.2	1.2	1.4	1.5	1.3	1.7	1.8	1.8	2.6	2.0
Mathematical sciences	0.9	1.0	1.2	1.1	1.2	1.1	0.9	0.7	0.8	0.6	0.4	0.4	0.5	0.5

Appendix table 5-13 (Page 3 of 3)

Current expenditures for research equipment at academic institutions, by field: Selected years, 1985–2006

Field	1985	1990	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Physical sciences	21.1	18.9	19.4	19.3	18.9	19.6	18.8	17.4	15.9	16.2	16.4	17.8	17.3	17.8
Astronomy	1.0	1.3	1.8	1.8	2.1	2.0	2.2	1.7	1.0	1.1	1.0	1.3	1.2	1.1
Chemistry	8.0	7.2	6.6	7.2	7.0	7.0	7.7	7.2	6.7	7.2	6.6	6.2	6.0	6.6
Physics	10.6	9.0	9.2	8.7	8.4	9.4	8.0	7.6	7.5	7.1	7.7	8.5	8.5	8.3
Physical sciences nec	1.4	1.4	1.7	1.6	1.5	1.2	0.9	0.9	0.8	0.7	1.1	1.9	1.6	1.9
Psychology	1.3	1.1	1.0	1.0	1.0	1.0	0.9	1.0	1.0	1.1	1.3	0.9	0.8	1.0
Social sciences	1.5	1.5	2.1	2.1	1.9	1.7	1.3	1.3	1.1	1.0	1.0	0.8	0.9	0.7
Economics	0.4	0.4	0.6	0.5	0.4	0.3	0.3	0.2	0.2	0.1	0.2	0.1	0.1	0.1
Political science	0.2	0.1	0.3	0.3	0.3	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Sociology	0.3	0.3	0.3	0.4	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.1	0.1	0.1
Social sciences nec	0.6	0.7	1.0	0.9	0.9	0.8	0.6	0.8	0.6	0.5	0.5	0.4	0.6	0.4
Sciences nec	2.2	2.5	4.1	3.7	3.8	2.5	2.4	3.5	3.6	2.8	2.7	2.8	2.8	3.6
Engineering	18.5	21.7	22.0	23.5	23.3	23.0	21.5	21.3	22.0	21.4	21.2	20.8	23.4	23.8
Aeronautical/astronautical	1.0	1.2	1.3	1.3	1.5	1.5	1.6	1.4	1.5	1.4	1.2	1.1	1.0	1.0
Bioengineering/biomedical	NA	NA	NA	NA	0.3	0.5	0.6	0.9	1.0	1.1	1.1	1.0	1.6	1.4
Chemical	1.7	1.8	1.8	2.0	1.8	2.2	2.1	1.8	2.0	1.8	1.8	2.9	2.0	2.1
Civil	1.6	2.0	1.8	2.1	2.1	1.7	1.8	2.0	2.1	2.5	1.7	1.8	1.5	1.5
Electrical	4.9	5.8	5.5	6.2	6.4	6.4	5.3	5.0	5.2	4.7	4.7	4.3	4.8	5.1
Mechanical	2.6	3.2	3.4	3.5	3.5	3.9	3.8	3.8	3.2	3.2	3.0	2.9	4.1	4.5
Metallurgical/materials	NA	2.7	2.3	2.6	2.8	2.2	2.1	2.1	3.3	2.4	3.4	2.0	2.7	3.0
Engineering nec	6.8	5.1	5.9	5.7	4.8	4.7	4.3	4.3	3.6	4.4	4.3	4.8	5.6	5.3

NA = not available; nec = not elsewhere classified

NOTES: Detail may not add to total because of rounding. See appendix table 4-1 for gross domestic product implicit price deflators used to convert current dollars to constant 2000 dollars.

SOURCES: National Science Foundation, Division of Science Resources Statistics, Academic Research and Development Expenditures: Fiscal Year 2006; and Integrated Science and Resources Data System (WebCASPAR), http://webcaspar.nsf.gov.

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