

Current expenditures for research equipment at academic institutions, by field: Selected years, 1983–2001

Field	1983	1985	1987	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
	Millions of current dollars															
All fields	450	672	837	986	1,013	1,025	1,034	1,042	1,107	1,238	1,213	1,288	1,294	1,318	1,421	1,490
Sciences	371	547	659	784	793	791	809	824	856	966	928	987	996	1,032	1,115	1,157
Physical sciences	81	142	166	181	191	190	198	207	207	239	233	243	253	248	249	240
Astronomy.....	4	7	7	10	13	14	14	17	20	22	21	26	25	29	25	15
Chemistry	32	54	66	76	73	69	70	75	78	81	88	89	91	102	103	100
Physics	37	71	82	83	91	88	94	90	90	114	105	108	122	106	110	113
Other	8	10	12	12	14	18	20	26	19	22	19	19	16	11	12	13
Mathematics	4	6	10	10	10	11	10	15	15	14	13	15	14	12	10	12
Computer sciences.....	20	35	43	43	48	59	45	54	59	77	67	71	63	63	56	65
Earth, atmospheric, and ocean sciences.....	31	48	55	68	72	70	78	77	83	83	88	93	102	100	100	89
Atmospheric sciences	5	8	11	13	11	10	11	15	12	14	14	15	15	15	13	13
Earth sciences.....	12	18	20	26	27	29	30	27	30	27	31	35	37	35	37	29
Ocean sciences.....	11	16	17	18	20	19	28	24	27	28	29	31	33	37	34	35
Other.....	3	5	7	11	13	12	9	11	15	15	14	13	17	13	17	11
Life sciences	209	283	335	431	420	412	430	418	434	464	444	478	495	547	614	665
Agricultural sciences	41	52	49	59	54	53	59	53	68	63	63	69	76	72	76	81
Biological sciences.....	74	105	130	175	171	168	174	171	175	191	180	196	190	243	268	282
Medical sciences.....	87	114	142	177	177	169	176	178	173	187	183	198	213	213	248	281
Other.....	7	12	14	20	19	22	21	16	18	23	18	15	16	19	21	20
Psychology.....	7	9	11	11	11	11	11	15	13	12	12	13	13	12	14	14
Social sciences	9	10	12	14	15	14	18	19	21	27	25	24	22	18	19	17
Economics	2	3	3	4	4	5	5	5	6	7	6	5	4	4	3	2
Political science	1	1	1	2	1	2	2	3	3	3	3	3	3	2	2	2
Sociology	1	2	2	3	3	3	3	4	4	4	4	4	4	3	3	3
Other	5	4	5	6	7	5	7	8	9	12	11	11	11	9	11	9
Other sciences	10	15	27	26	25	25	18	18	23	51	45	48	33	32	51	55
Engineering	80	124	178	202	220	234	225	218	251	272	285	301	298	286	306	334
Aeronautical/astronautical	3	7	9	11	13	17	12	13	19	16	16	19	20	22	20	24
Bioengineering/biomedical	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	4	6	8	14	15
Chemical	6	11	15	19	18	20	20	22	19	22	24	23	28	27	26	31
Civil	7	10	12	16	20	18	16	18	19	22	26	28	21	23	29	32
Electrical/electronic.....	23	33	44	49	58	52	57	56	66	68	75	83	83	70	72	79
Mechanical	11	17	25	29	32	34	31	35	37	42	43	46	51	51	55	49
Materials.....	NA	NA	NA	NA	27	33	29	23	25	28	32	36	29	28	30	49
Other	29	46	75	78	51	59	61	51	66	73	69	62	60	57	61	55

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Field	1983	1985	1987	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
	Millions of constant 1996 dollars															
All fields	657	914	1,082	1,189	1,177	1,147	1,127	1,109	1,153	1,263	1,213	1,263	1,252	1,257	1,330	1,361
Sciences	541	745	852	946	921	885	882	877	892	986	928	968	963	984	1,043	1,057
Physical sciences	118	193	215	218	222	212	216	221	216	244	233	238	245	236	233	219
Astronomy.....	6	10	8	12	15	16	15	18	21	23	21	26	24	27	23	13
Chemistry	47	73	85	91	85	77	77	80	81	83	88	88	88	97	96	91
Physics	53	97	106	100	106	98	102	95	93	117	105	106	118	101	103	103
Other	11	13	16	15	16	20	22	28	20	22	19	19	15	11	12	12
Mathematics	5	8	13	12	12	12	11	16	16	15	13	15	14	11	9	11
Computer sciences.....	29	48	55	52	56	65	49	57	62	78	67	70	61	60	53	59
Earth, atmospheric, and ocean sciences ...	45	65	72	81	84	78	85	82	87	85	88	92	98	95	94	81
Atmospheric sciences	8	11	15	15	13	12	12	15	12	14	14	15	14	14	12	12
Earth sciences.....	17	25	26	31	32	32	33	29	31	27	31	34	36	33	35	27
Ocean sciences.....	17	22	22	22	23	21	30	26	28	28	29	30	32	36	32	32
Other.....	4	7	9	14	16	13	10	12	15	15	14	12	16	13	15	10
Life sciences	305	385	434	520	488	461	469	445	453	473	444	469	478	522	575	607
Agricultural sciences.....	60	70	64	71	62	59	64	57	71	65	63	68	73	69	72	74
Biological sciences.....	108	143	168	211	199	188	190	182	182	195	180	192	184	232	251	258
Medical sciences.....	127	156	184	213	206	189	191	189	181	190	183	194	206	203	233	257
Other.....	10	16	19	24	22	24	23	17	19	23	18	15	15	18	20	18
Psychology.....	10	12	14	13	12	12	12	16	13	12	12	13	13	11	13	13
Social sciences	14	14	15	17	17	16	19	20	22	27	25	24	21	17	18	15
Economics	3	4	4	5	5	5	5	5	6	7	6	5	4	4	3	2
Political science	1	2	2	2	2	2	3	3	3	3	3	3	3	2	2	2
Sociology	2	3	3	4	3	3	4	4	4	4	4	4	4	3	3	3
Other	7	6	7	7	8	5	7	8	9	12	11	11	11	8	11	9
Other sciences	15	20	35	32	29	28	20	19	24	52	45	48	32	31	48	50
Engineering	116	169	231	243	256	262	245	232	261	277	285	295	289	273	286	305
Aeronautical/astronautical	5	9	11	14	15	19	13	14	20	17	16	19	19	21	19	22
Bioengineering/biomedical	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	4	6	7	13	14
Chemical	9	15	19	23	21	22	22	23	20	22	24	23	28	26	24	28
Civil	11	14	15	19	23	20	17	20	20	23	26	27	21	22	27	29
Electrical/electronic.....	33	45	56	59	68	58	62	59	68	70	75	81	80	67	67	72
Mechanical	16	24	33	35	38	38	34	37	39	43	43	45	49	48	51	45
Materials.....	NA	NA	NA	NA	31	37	31	25	26	28	32	35	28	27	28	45
Other	42	62	97	94	60	66	66	54	69	75	69	61	58	54	57	50

Current expenditures for research equipment at academic institutions, by field: Selected years, 1983–2001

Field	1983	1985	1987	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
	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	100.0	100.0
Sciences	82.3	81.5	78.7	79.5	78.3	77.2	78.2	79.1	77.4	78.0	76.5	76.6	76.9	78.3	78.5	77.6
Physical sciences	17.9	21.1	19.9	18.3	18.9	18.5	19.2	19.9	18.7	19.3	19.2	18.9	19.6	18.8	17.6	16.1
Astronomy.....	0.9	1.0	0.8	1.0	1.3	1.4	1.4	1.6	1.8	1.8	1.7	2.0	2.0	2.2	1.7	1.0
Chemistry	7.2	8.0	7.9	7.7	7.2	6.8	6.8	7.2	7.1	6.5	7.2	6.9	7.0	7.7	7.2	6.7
Physics	8.1	10.6	9.7	8.4	9.0	8.6	9.1	8.6	8.1	9.2	8.7	8.4	9.4	8.1	7.7	7.6
Other	1.7	1.4	1.5	1.2	1.4	1.8	1.9	2.5	1.8	1.7	1.6	1.5	1.2	0.9	0.9	0.9
Mathematics	0.8	0.9	1.2	1.0	1.0	1.0	1.0	1.5	1.3	1.2	1.1	1.2	1.1	0.9	0.7	0.8
Computer sciences.....	4.4	5.3	5.1	4.4	4.7	5.7	4.4	5.1	5.3	6.2	5.5	5.5	4.9	4.8	4.0	4.4
Earth, atmospheric, and ocean sciences ...	6.9	7.1	6.6	6.8	7.1	6.8	7.5	7.4	7.5	6.7	7.3	7.3	7.9	7.6	7.1	6.0
Atmospheric sciences	1.2	1.2	1.3	1.3	1.1	1.0	1.1	1.4	1.0	1.1	1.1	1.2	1.1	1.1	0.9	0.9
Earth sciences.....	2.6	2.7	2.4	2.6	2.7	2.8	2.9	2.6	2.7	2.2	2.6	2.7	2.9	2.6	2.6	2.0
Ocean sciences.....	2.5	2.4	2.0	1.8	2.0	1.9	2.7	2.3	2.5	2.2	2.4	2.4	2.5	2.8	2.4	2.3
Other.....	0.7	0.8	0.8	1.2	1.3	1.2	0.9	1.1	1.3	1.2	1.2	1.0	1.3	1.0	1.2	0.8
Life sciences	46.4	42.1	40.1	43.7	41.5	40.2	41.6	40.1	39.2	37.4	36.6	37.1	38.2	41.5	43.2	44.6
Agricultural sciences	9.1	7.7	5.9	6.0	5.3	5.2	5.7	5.1	6.1	5.1	5.2	5.4	5.9	5.5	5.4	5.4
Biological sciences.....	16.4	15.6	15.5	17.8	16.9	16.4	16.9	16.4	15.8	15.4	14.9	15.2	14.7	18.5	18.9	19.0
Medical sciences.....	19.4	17.0	17.0	17.9	17.5	16.5	17.0	17.1	15.7	15.1	15.1	15.4	16.4	16.2	17.5	18.9
Other.....	1.6	1.7	1.7	2.1	1.9	2.1	2.0	1.5	1.6	1.8	1.5	1.2	1.2	1.4	1.5	1.4
Psychology	1.4	1.3	1.3	1.1	1.1	1.1	1.1	1.5	1.1	1.0	1.0	1.0	1.0	0.9	1.0	0.9
Social sciences	2.1	1.5	1.4	1.5	1.5	1.4	1.7	1.8	1.9	2.1	2.1	1.9	1.7	1.4	1.4	1.1
Economics	0.5	0.4	0.3	0.4	0.4	0.4	0.5	0.4	0.5	0.6	0.5	0.4	0.3	0.3	0.2	0.2
Political science	0.2	0.2	0.2	0.2	0.1	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.1	0.1
Sociology	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.3	0.3	0.4	0.3	0.3	0.3	0.2	0.2
Other	1.1	0.6	0.7	0.6	0.7	0.5	0.7	0.8	0.8	1.0	0.9	0.9	0.8	0.7	0.8	0.6
Other sciences	2.3	2.2	3.2	2.7	2.5	2.5	1.8	1.7	2.1	4.1	3.7	3.8	2.5	2.4	3.6	3.7
Engineering	17.7	18.5	21.3	20.5	21.7	22.8	21.8	20.9	22.6	22.0	23.5	23.4	23.1	21.7	21.5	22.4
Aeronautical/astronautical	0.8	1.0	1.0	1.1	1.2	1.7	1.1	1.3	1.7	1.3	1.3	1.5	1.5	1.7	1.4	1.6
Bioengineering/biomedical	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.3	0.5	0.6	1.0	1.0
Chemical	1.3	1.7	1.8	2.0	1.8	1.9	1.9	2.1	1.7	1.8	2.0	1.8	2.2	2.1	1.8	2.1
Civil	1.6	1.6	1.4	1.6	2.0	1.7	1.5	1.8	1.7	1.8	2.1	2.1	1.7	1.8	2.0	2.2
Electrical/electronic.....	5.0	4.9	5.2	4.9	5.8	5.1	5.5	5.4	5.9	5.5	6.2	6.4	6.4	5.3	5.0	5.3
Mechanical	2.5	2.6	3.0	3.0	3.2	3.3	3.0	3.3	3.4	3.4	3.5	3.6	3.9	3.8	3.9	3.3
Materials.....	NA	NA	NA	NA	2.7	3.2	2.8	2.2	2.3	2.3	2.6	2.8	2.2	2.1	2.1	3.3
Other	6.5	6.8	8.9	7.9	5.1	5.8	5.9	4.9	6.0	5.9	5.7	4.8	4.7	4.3	4.3	3.7

NA not available

NOTES: Details may not add to totals because of rounding. See appendix table 4-1 for gross domestic product implicit price deflators used to convert current dollars to constant 1996 dollars.

SOURCES: National Science Foundation, Division of Science Resources Statistics (NSF/SRS), *Academic Research and Development Expenditures: Fiscal Year 2001*, NSF 03-316 (Arlington, VA, 2003); and NSF/SRS, WebCASPAR database system, <http://caspar.nsf.gov>.