

Appendix table 5-5

Federal and non-Federal R&D expenditures at academic institutions, by field and source of funds: 2001

Field	All R&D expenditures		Federal expenditures		Non-Federal expenditures	
	Millions of dollars	Percent distribution	Millions of dollars	Percent	Millions of dollars	Percent
All fields	32,723.1	100.0	19,190.9	58.6	13,532.2	41.4
Sciences.....	27,723.4	84.7	16,347.1	59.0	11,376.3	41.0
Physical sciences	2,800.4	8.6	1,971.5	70.4	828.9	29.6
Astronomy.....	378.0	1.2	259.7	68.7	118.3	31.3
Chemistry	1,007.1	3.1	660.3	65.6	346.8	34.4
Physics	1,236.5	3.8	925.6	74.9	310.9	25.1
Other.....	178.7	0.5	125.9	70.5	52.8	29.5
Mathematics	357.3	1.1	241.3	67.5	115.9	32.5
Computer sciences.....	953.8	2.9	643.2	67.4	310.6	32.6
Earth, atmospheric, and ocean sciences	1,826.8	5.6	1,182.6	64.7	644.2	35.3
Atmospheric sciences	300.4	0.9	232.1	77.3	68.3	22.7
Earth sciences.....	552.5	1.7	328.1	59.4	224.4	40.6
Ocean sciences.....	674.4	2.1	447.9	66.4	226.5	33.6
Other.....	299.5	0.9	174.5	58.3	125.0	41.7
Life sciences	19,189.1	58.6	11,178.7	58.3	8,010.4	41.7
Agricultural sciences	2,318.1	7.1	613.4	26.5	1,704.7	73.5
Biological sciences.....	5,943.6	18.2	3,872.2	65.1	2,071.4	34.9
Medical sciences.....	10,176.7	31.1	6,248.7	61.4	3,928.1	38.6
Other.....	750.7	2.3	444.5	59.2	306.2	40.8
Psychology	581.9	1.8	398.1	68.4	183.8	31.6
Social sciences	1,435.5	4.4	544.5	37.9	891.1	62.1
Economics	270.9	0.8	89.9	33.2	181.0	66.8
Political science	252.2	0.8	71.9	28.5	180.3	71.5
Sociology	327.2	1.0	148.2	45.3	179.0	54.7
Other.....	585.2	1.8	234.4	40.1	350.8	59.9
Other sciences	578.7	1.8	187.1	32.3	391.5	67.7
Engineering	4,999.6	15.3	2,843.8	56.9	2,155.9	43.1
Aeronautical/astronautical	338.6	1.0	254.5	75.2	84.1	24.8
Bioengineering/biomedical	211.3	0.6	120.7	57.1	90.6	42.9
Chemical	413.5	1.3	214.8	51.9	198.7	48.1
Civil.....	666.7	2.0	270.6	40.6	396.1	59.4
Electrical/electronic	1,160.4	3.5	725.2	62.5	435.2	37.5
Mechanical.....	685.4	2.1	415.8	60.7	269.6	39.3
Materials	450.9	1.4	240.3	53.3	210.7	46.7
Other.....	1,072.7	3.3	601.9	56.1	470.9	43.9

NOTES: Details may not add to totals because of rounding. See appendix table 5-2 for detail on non-Federal sources.

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>.