

Appendix table 5-3

**Federal and nonfederal R&D expenditures at academic institutions, by field and source of funds: 2003**

Field	All R&D expenditures		Federal expenditures		Nonfederal expenditures	
	Millions of dollars	Percent distribution	Millions of dollars	Percent distribution	Millions of dollars	Percent distribution
All fields.....	40,077	100.0	24,734	100.0	15,343	100.0
Science .....	34,079	85.0	21,126	85.4	12,952	84.4
Physical sciences .....	3,273	8.2	2,353	9.5	920	6.0
Astronomy.....	392	1.0	272	1.1	121	0.8
Chemistry .....	1,220	3.0	816	3.3	404	2.6
Physics .....	1,420	3.5	1,088	4.4	332	2.2
Other.....	240	0.6	177	0.7	63	0.4
Mathematics .....	429	1.1	295	1.2	134	0.9
Computer sciences.....	1,304	3.3	936	3.8	368	2.4
Earth, atmospheric, and ocean sciences .....	2,188	5.5	1,440	5.8	748	4.9
Atmospheric sciences .....	396	1.0	297	1.2	98	0.6
Earth sciences.....	724	1.8	440	1.8	284	1.9
Ocean sciences.....	774	1.9	536	2.2	238	1.5
Other.....	294	0.7	166	0.7	128	0.8
Life sciences .....	23,764	59.3	14,645	59.2	9,119	59.4
Agricultural sciences .....	2,555	6.4	762	3.1	1,793	11.7
Biological sciences.....	7,392	18.4	5,017	20.3	2,375	15.5
Medical sciences.....	12,787	31.9	8,249	33.4	4,538	29.6
Other.....	1,030	2.6	617	2.5	413	2.7
Psychology .....	769	1.9	553	2.2	216	1.4
Social sciences.....	1,661	4.1	667	2.7	995	6.5
Economics .....	314	0.8	108	0.4	207	1.3
Political science .....	289	0.7	92	0.4	197	1.3
Sociology .....	372	0.9	183	0.7	189	1.2
Other.....	686	1.7	284	1.1	401	2.6
Other sciences .....	691	1.7	238	1.0	453	3.0
Engineering .....	5,999	15.0	3,608	14.6	2,391	15.6
Aeronautical/astronautical.....	402	1.0	306	1.2	96	0.6
Bioengineering/biomedical .....	314	0.8	190	0.8	123	0.8
Chemical .....	454	1.1	248	1.0	206	1.3
Civil.....	776	1.9	327	1.3	450	2.9
Electrical/electronic.....	1,402	3.5	925	3.7	477	3.1
Mechanical.....	822	2.1	533	2.2	290	1.9
Materials .....	535	1.3	303	1.2	232	1.5
Other.....	1,295	3.2	776	3.1	518	3.4

NOTES: Detail may not add to total because of rounding. See appendix table 5-2 for detail on nonfederal sources.

SOURCES: National Science Foundation, Division of Science Resources Statistics, *Academic Research and Development Expenditures: Fiscal Year 2003* (forthcoming); and Integrated Science and Engineering Resources Data System (WebCASPAR), <http://webcaspar.nsf.gov>.