

Appendix table 5-9

Federal academic research obligations provided by major agencies, by field: FY 2003

(Percent distribution)

Field	All agencies	Department of Agriculture	Department of Defense	Department of Energy	Department of Health and Human Services	National Aeronautics and Space Administration	National Science Foundation
All fields	100.0	3.0	6.2	3.5	68.9	4.4	14.1
Science	100.0	3.1	3.8	3.3	73.4	3.9	12.5
Physical sciences	100.0	1.2	7.9	23.8	15.0	20.7	31.4
Astronomy.....	100.0	0.0	0.0	0.0	0.0	78.2	21.8
Chemistry	100.0	3.7	8.7	13.5	41.1	3.1	29.9
Physics	100.0	0.0	11.0	46.3	0.0	8.7	34.0
Other.....	100.0	0.0	8.6	21.9	13.7	15.0	40.8
Mathematics	100.0	0.4	12.9	5.8	10.3	0.3	69.0
Computer sciences.....	100.0	0.0	28.8	1.2	0.2	4.2	66.0
Earth, atmospheric, and ocean sciences.....	100.0	0.7	10.4	8.4	24.8	12.3	43.4
Atmospheric sciences	100.0	3.6	6.9	13.6	0.0	25.2	50.6
Earth sciences.....	100.0	0.0	3.2	20.0	0.2	4.7	71.8
Ocean sciences.....	100.0	0.0	27.9	1.0	0.0	3.4	67.7
Other.....	100.0	0.0	1.3	6.1	70.8	16.1	5.8
Life sciences	100.0	3.6	1.4	0.8	90.4	0.4	3.4
Agricultural sciences	100.0	99.2	0.5	0.0	0.0	0.4	0.0
Biological sciences (excluding environmental)	100.0	1.2	1.0	0.5	93.2	0.3	3.8
Environmental biology	100.0	53.1	2.0	0.0	0.0	0.7	44.2
Medical sciences.....	100.0	0.2	2.2	1.9	95.2	0.4	0.0
Other.....	100.0	0.0	6.0	0.0	91.6	2.4	0.0
Psychology	100.0	0.0	2.9	0.0	95.9	0.5	0.7
Biological aspects	100.0	0.0	98.3	0.0	0.0	1.7	0.0
Social aspects.....	100.0	0.0	23.7	0.0	1.6	4.6	70.0
Other.....	100.0	0.0	0.6	0.0	99.0	0.4	0.0
Social sciences.....	100.0	18.8	0.0	0.0	46.3	0.1	34.7
Anthropology.....	100.0	0.0	0.0	0.0	0.0	0.0	100.0
Economics	100.0	70.6	0.0	0.0	3.2	0.0	26.2
Political science	100.0	0.0	0.0	0.0	0.0	0.0	100.0
Sociology	100.0	73.5	0.0	0.0	1.7	0.3	24.5
Other.....	100.0	0.0	0.0	0.0	66.7	0.2	33.1
Other sciences	100.0	0.4	1.4	0.0	46.7	28.0	23.5
Engineering	100.0	1.3	37.1	5.3	9.8	11.5	35.0
Aeronautical	100.0	0.0	34.8	0.0	0.0	65.2	0.0
Astronautical	100.0	0.0	27.2	0.0	0.0	72.8	0.0
Chemical	100.0	0.4	10.4	20.5	0.0	2.8	65.9
Civil.....	100.0	0.2	7.2	9.5	0.0	0.4	82.7
Electrical	100.0	0.0	66.1	1.5	0.0	5.4	27.0
Mechanical.....	100.0	0.1	69.8	10.5	0.0	9.3	10.3
Materials.....	100.0	0.0	42.4	5.5	0.0	3.9	48.2
Other.....	100.0	2.9	26.3	4.1	23.6	10.6	32.5

NOTES: Academic research includes both basic and applied research. Agencies shown are only ones that report research obligations to academia by S&E field; they represent approximately 97% of academic research obligations.

SOURCE: National Science Foundation, Division of Science Resources Statistics, *Federal Funds for Research and Development: Fiscal Years 2003, 2004, and 2005* (forthcoming).