

Appendix table 5-8

Federal agencies' academic research obligations, by field: FY 2003

(Percent distribution)

Field	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	100.0	100.0	100.0	100.0	100.0
Science	97.0	57.0	89.1	99.0	81.4	82.3
Physical sciences	3.4	10.8	58.6	1.9	39.8	19.0
Astronomy.....	0.0	0.0	0.0	0.0	27.9	2.4
Chemistry	3.4	3.8	10.6	1.6	1.9	5.7
Physics	0.0	5.3	40.2	0.0	5.9	7.2
Other.....	0.0	1.7	7.8	0.2	4.1	3.6
Mathematics	0.2	2.3	1.9	0.2	0.1	5.5
Computer sciences.....	0.0	18.1	1.4	0.0	3.7	18.2
Earth, atmospheric, and ocean sciences.....	1.1	8.1	11.8	1.7	13.3	14.9
Atmospheric sciences	1.1	1.0	3.7	0.0	5.3	3.3
Earth sciences.....	0.0	0.4	4.7	0.0	0.9	4.2
Oceanography.....	0.0	6.3	0.4	0.0	1.1	6.7
Other.....	0.0	0.3	3.0	1.7	6.1	0.7
Life sciences	82.6	15.8	15.5	88.7	5.9	16.3
Agricultural sciences	44.0	0.1	0.0	0.0	0.1	0.0
Biological sciences (excluding environmental)	19.7	8.1	7.8	66.6	3	13.2
Environmental biology	17.7	0.3	0.0	0.0	0.2	3.1
Medical sciences.....	1.1	4.8	7.7	18.9	1.4	0.0
Other.....	0.0	2.4	0.0	3.2	1.3	0.0
Psychology	0.0	1.2	0.0	3.5	0.3	0.1
Biological aspects	0.0	0.9	0.0	0.0	0	0.0
Social aspects.....	0.0	0.1	0.0	0.0	0	0.1
Other.....	0.0	0.2	0.0	3.5	0.2	0.0
Social sciences.....	9.3	0.0	0.0	1.0	0	3.6
Anthropology.....	0.0	0.0	0.0	0.0	0	0.3
Economics	7.1	0.0	0.0	0.0	0	0.6
Political science	0.0	0.0	0.0	0.0	0	0.2
Sociology	2.2	0.0	0.0	0.0	0	0.2
Other.....	0.0	0.0	0.0	1.0	0	2.3
Other sciences	0.4	0.7	0.0	2.0	18.3	4.8
Engineering	3.0	43.0	10.9	1.0	18.6	17.7
Aeronautical	0.0	2.2	0.0	0.0	5.8	0.0
Astronautical	0.0	0.5	0.0	0.0	1.9	0.0
Chemical.....	0.1	0.8	2.8	0.0	0.3	2.2
Civil.....	0.0	0.3	0.8	0.0	0	1.7
Electrical	0.0	13.0	0.5	0.0	1.5	2.3
Mechanical.....	0.0	4.6	1.2	0.0	0.8	0.3
Materials	0.0	8.9	2.1	0.0	1.1	4.4
Other.....	2.9	12.6	3.5	1.0	7.1	6.8

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. Detail may not add to total because of rounding.

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