

TABLE 41. Federal obligations for applied research, by detailed field of science and engineering: FY 2003–05  
(Dollars in thousands)

Field	2003	Preliminary	
		2004	2005
All fields	26,320,402	28,013,321	27,837,656
Environmental sciences	1,841,372	1,812,004	1,788,846
Atmospheric sciences	591,345	NA	NA
Geological sciences	263,140	NA	NA
Oceanography	403,883	NA	NA
Environmental sciences, nec	583,004	NA	NA
Life sciences	13,006,962	14,251,018	14,121,596
Agricultural sciences	517,702	NA	NA
Biological sciences (excluding environmental biology)	8,171,972	NA	NA
Environmental biology	393,848	NA	NA
Medical sciences	3,241,190	NA	NA
Life sciences, nec	682,250	NA	NA
Mathematics and computer sciences	1,552,236	1,634,419	1,655,060
Computer sciences	1,322,301	NA	NA
Mathematics	93,186	NA	NA
Mathematics and computer sciences, nec	136,749	NA	NA
Physical sciences	1,567,620	1,534,112	1,523,588
Astronomy	175,756	NA	NA
Chemistry	389,348	NA	NA
Physics	679,599	NA	NA
Physical sciences, nec	322,917	NA	NA
Psychology	560,624	590,769	582,540
Biological aspects	12,652	NA	NA
Social aspects	46,497	NA	NA
Psychological sciences, nec	501,475	NA	NA
Social sciences	673,008	709,238	711,550
Anthropology	1,810	NA	NA
Economics	186,235	NA	NA
Political science	12,506	NA	NA
Sociology	75,954	NA	NA
Social sciences, nec	396,503	NA	NA
Other sciences, nec	626,551	590,207	669,412
Engineering	6,492,029	6,891,554	6,785,064
Aeronautical engineering	1,476,463	NA	NA
Astronautical engineering	642,998	NA	NA
Chemical engineering	256,366	NA	NA
Civil engineering	288,549	NA	NA
Electrical engineering	723,704	NA	NA
Mechanical engineering	202,167	NA	NA
Metallurgy and materials engineering	502,671	NA	NA
Engineering, nec	2,399,111	NA	NA

NA = not available (data collected for this table were not recorded at that level in that particular fiscal year).

nec = not elsewhere classified.

NOTE: Totals on this table do not include Department of Homeland Security.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: FY 2003, 2004, and 2005.