

TABLE 19. Federal obligations for research, by detailed field of science and engineering: FY 2003–05  
(Dollars in thousands)

Field	2003	Preliminary	
		2004	2005
All fields	51,071,843	54,449,671	54,697,970
Environmental sciences	3,740,872	3,957,316	3,915,912
Atmospheric sciences	1,259,402	NA	NA
Geological sciences	725,047	NA	NA
Oceanography	846,115	NA	NA
Environmental sciences, nec	910,308	NA	NA
Life sciences	27,772,220	29,745,948	29,790,614
Agricultural sciences	1,045,954	NA	NA
Biological sciences (excluding environmental biology)	18,643,456	NA	NA
Environmental biology	717,893	NA	NA
Medical sciences	6,160,319	NA	NA
Life sciences, nec	1,204,598	NA	NA
Mathematics and computer sciences	2,672,465	2,805,774	2,841,402
Computer sciences	2,052,787	NA	NA
Mathematics	452,938	NA	NA
Mathematics and computer sciences, nec	166,740	NA	NA
Physical sciences	5,021,595	5,384,300	5,373,401
Astronomy	871,757	NA	NA
Chemistry	1,137,900	NA	NA
Physics	2,500,238	NA	NA
Physical sciences, nec	511,700	NA	NA
Psychology	1,104,441	1,149,799	1,156,957
Biological aspects	23,241	NA	NA
Social aspects	50,571	NA	NA
Psychological sciences, nec	1,030,629	NA	NA
Social sciences	1,025,833	1,067,152	1,081,408
Anthropology	14,518	NA	NA
Economics	234,468	NA	NA
Political science	18,541	NA	NA
Sociology	124,693	NA	NA
Social sciences, nec	633,613	NA	NA
Other sciences, nec	1,329,285	1,295,782	1,391,218
Engineering	8,405,132	9,043,600	9,147,058
Aeronautical engineering	1,732,240	NA	NA
Astronautical engineering	702,467	NA	NA
Chemical engineering	327,894	NA	NA
Civil engineering	339,617	NA	NA
Electrical engineering	950,025	NA	NA
Mechanical engineering	298,433	NA	NA
Metallurgy and materials engineering	1,083,663	NA	NA
Engineering, nec	2,970,793	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.