

TABLE 56. Federal obligations for research performed at universities and colleges for selected agencies, by detailed field of science and engineering: FY 2003–05

(Dollars in thousands)

Field	2003	Preliminary	
		2004	2005
All fields	21,120,559	22,308,387	22,429,324
Environmental sciences	1,019,950	1,068,333	1,072,185
Atmospheric sciences	195,767	NA	NA
Geological sciences	172,344	NA	NA
Oceanography	294,273	NA	NA
Environmental sciences, nec	357,566	NA	NA
Life sciences	14,285,739	15,316,654	15,487,321
Agricultural sciences	277,963	NA	NA
Biological sciences (excluding environmental biology)	10,400,617	NA	NA
Environmental biology	209,397	NA	NA
Medical sciences	2,883,692	NA	NA
Life sciences, nec	514,070	NA	NA
Mathematics and computer sciences	1,054,853	1,071,986	1,078,870
Computer sciences	801,041	NA	NA
Mathematics	230,156	NA	NA
Mathematics and computer sciences, nec	23,656	NA	NA
Physical sciences	1,797,826	1,825,938	1,780,462
Astronomy	333,726	NA	NA
Chemistry	571,539	NA	NA
Physics	633,005	NA	NA
Physical sciences, nec	259,556	NA	NA
Psychology	535,491	563,209	575,078
Biological aspects	11,471	NA	NA
Social aspects	5,323	NA	NA
Psychological sciences, nec	518,697	NA	NA
Social sciences	308,271	326,117	327,515
Anthropology	9,811	NA	NA
Economics	63,012	NA	NA
Political science	6,570	NA	NA
Sociology	18,433	NA	NA
Social sciences, nec	210,445	NA	NA
Other sciences, nec	611,852	637,679	649,598
Engineering	1,506,577	1,498,471	1,458,295
Aeronautical engineering	83,654	NA	NA
Astronautical engineering	23,924	NA	NA
Chemical engineering	98,403	NA	NA
Civil engineering	59,782	NA	NA
Electrical engineering	256,013	NA	NA
Mechanical engineering	85,334	NA	NA
Metallurgy and materials engineering	273,974	NA	NA
Engineering, nec	625,493	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.

NOTES: Only six agencies are required to report data for this section of survey: Departments of Agriculture, Defense, Energy, and Health and Human Services; National Aeronautics and Space Administration; and National Science Foundation. Research obligations of these six agencies represented approximately 98% of total federal research obligations to universities and colleges in FY 2003, 2004, and 2005. Data for only those agencies and subdivisions that had obligations in variables represented by this table appear in table.

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