

TABLE 72. Federal obligations for applied 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	8,019,583	8,600,372	8,553,976
Environmental sciences	194,655	208,705	193,837
Atmospheric sciences	18,477	NA	NA
Geological sciences	8,789	NA	NA
Oceanography	12,529	NA	NA
Environmental sciences, nec	154,860	NA	NA
Life sciences	6,141,895	6,619,895	6,685,320
Agricultural sciences	145,355	NA	NA
Biological sciences (excluding environmental biology)	4,383,385	NA	NA
Environmental biology	67,780	NA	NA
Medical sciences	1,324,558	NA	NA
Life sciences, nec	220,817	NA	NA
Mathematics and computer sciences	213,181	222,579	212,557
Computer sciences	186,338	NA	NA
Mathematics	19,658	NA	NA
Mathematics and computer sciences, nec	7,185	NA	NA
Physical sciences	429,411	423,158	373,287
Astronomy	174,867	NA	NA
Chemistry	133,300	NA	NA
Physics	15,906	NA	NA
Physical sciences, nec	105,338	NA	NA
Psychology	231,030	246,298	251,534
Biological aspects	1,264	NA	NA
Social aspects	1,656	NA	NA
Psychological sciences, nec	228,110	NA	NA
Social sciences	124,517	131,462	130,907
Anthropology	617	NA	NA
Economics	32,613	NA	NA
Political science	661	NA	NA
Sociology	8,462	NA	NA
Social sciences, nec	82,164	NA	NA
Other sciences, nec	172,308	181,571	182,314
Engineering	512,586	566,704	524,220
Aeronautical engineering	32,543	NA	NA
Astronautical engineering	12,631	NA	NA
Chemical engineering	36,748	NA	NA
Civil engineering	18,493	NA	NA
Electrical engineering	80,881	NA	NA
Mechanical engineering	16,341	NA	NA
Metallurgy and materials engineering	38,296	NA	NA
Engineering, nec	276,653	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. Applied research obligations of these six agencies represented approximately 94% of total federal applied 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.