

TABLE 56. Federal obligations for research performed at universities and colleges for selected agencies, by detailed field of science and engineering: FY 2008–10

(Dollars in thousands)

Field	2008	Preliminary	
		2009	2010
All fields	23,469,514	26,313,396	25,237,325
Environmental sciences	892,837	1,197,012	1,001,713
Atmospheric sciences	170,127	NA	NA
Geological sciences	147,469	NA	NA
Oceanography	285,254	NA	NA
Environmental sciences, nec	289,987	NA	NA
Life sciences	15,878,184	16,818,133	16,785,374
Agricultural sciences	235,028	NA	NA
Biological sciences (excluding environmental biology)	8,362,709	NA	NA
Environmental biology	318,586	NA	NA
Medical sciences	5,648,068	NA	NA
Life sciences, nec	1,313,793	NA	NA
Mathematics and computer sciences	1,159,369	1,596,663	1,323,659
Computer sciences	772,609	NA	NA
Mathematics	364,304	NA	NA
Mathematics and computer sciences, nec	22,456	NA	NA
Physical sciences	1,628,219	2,089,623	1,841,928
Astronomy	102,797	NA	NA
Chemistry	558,737	NA	NA
Physics	766,778	NA	NA
Physical sciences, nec	199,907	NA	NA
Psychology	1,089,703	1,140,514	1,157,757
Biological aspects	2,511	NA	NA
Social aspects	10,148	NA	NA
Psychological sciences, nec	1,077,044	NA	NA
Social sciences	352,376	471,031	405,271
Anthropology	11,142	NA	NA
Economics	64,555	NA	NA
Political science	11,040	NA	NA
Sociology	18,883	NA	NA
Social sciences, nec	246,756	NA	NA
Other sciences, nec	398,437	535,120	501,739
Engineering	2,070,389	2,465,300	2,219,884
Aeronautical engineering	62,575	NA	NA
Astronautical engineering	14,920	NA	NA
Chemical engineering	140,792	NA	NA
Civil engineering	143,551	NA	NA
Electrical engineering	238,390	NA	NA
Mechanical engineering	62,485	NA	NA
Metallurgy and materials engineering	322,977	NA	NA
Engineering, nec	1,084,699	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: Seven agencies are required to report data for this section of survey: Departments of Agriculture, Defense, Energy, Health and Human Services, and Homeland Security; National Aeronautics and Space Administration; and National Science Foundation. Research obligations of these seven agencies represented approximately 96% of total federal research obligations to universities and colleges in FY 2008, 2009, and 2010. Data for only those agencies and subdivisions that had obligations in variables represented by this table appear in table. See appendix C for additional notes associated with agencies listed in this table.

SOURCE: National Science Foundation/National Center for Science and Engineering Statistics, Survey of Federal Funds for Research and Development: FY 2008–10.