

TABLE 64. Federal obligations for basic 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	14,305,027	16,776,709	15,727,088
Environmental sciences	750,546	1,031,071	849,811
Atmospheric sciences	154,052	NA	NA
Geological sciences	144,217	NA	NA
Oceanography	269,823	NA	NA
Environmental sciences, nec	182,454	NA	NA
Life sciences	8,912,519	9,627,759	9,502,882
Agricultural sciences	94,872	NA	NA
Biological sciences (excluding environmental biology)	4,909,424	NA	NA
Environmental biology	187,288	NA	NA
Medical sciences	3,003,910	NA	NA
Life sciences, nec	717,025	NA	NA
Mathematics and computer sciences	914,317	1,332,567	1,074,835
Computer sciences	601,606	NA	NA
Mathematics	302,900	NA	NA
Mathematics and computer sciences, nec	9,811	NA	NA
Physical sciences	1,375,553	1,821,402	1,576,649
Astronomy	99,841	NA	NA
Chemistry	435,112	NA	NA
Physics	678,228	NA	NA
Physical sciences, nec	162,372	NA	NA
Psychology	606,931	638,306	646,417
Biological aspects	135	NA	NA
Social aspects	4,648	NA	NA
Psychological sciences, nec	602,148	NA	NA
Social sciences	221,864	321,618	266,008
Anthropology	10,545	NA	NA
Economics	28,307	NA	NA
Political science	9,937	NA	NA
Sociology	9,057	NA	NA
Social sciences, nec	164,018	NA	NA
Other sciences, nec	308,137	437,044	398,469
Engineering	1,215,160	1,566,942	1,412,017
Aeronautical engineering	17,539	NA	NA
Astronautical engineering	1,131	NA	NA
Chemical engineering	101,608	NA	NA
Civil engineering	103,984	NA	NA
Electrical engineering	141,300	NA	NA
Mechanical engineering	37,990	NA	NA
Metallurgy and materials engineering	234,473	NA	NA
Engineering, nec	577,135	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. Basic research obligations of these seven agencies represented approximately 98% of total federal basic research obligations to universities and colleges in FY 2008, 2009, and 2010. 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.