

TABLE 65. Federal obligations for research performed at universities and colleges for selected agencies, by detailed field of science and engineering: FYs 2011–13

(Dollars in thousands)

Field	2011	Preliminary	
		2012	2013
All fields	25,656,826.6	25,668,700.3	25,952,141.0
Computer sciences and mathematics	1,455,827.3	1,444,039.0	1,518,954.8
Computer sciences	961,520.1	NA	NA
Mathematics	452,814.5	NA	NA
Other computer sciences and mathematics	41,492.8	NA	NA
Engineering	2,379,337.6	2,327,853.0	2,448,422.5
Aeronautical engineering	119,698.6	NA	NA
Astronautical engineering	29,329.5	NA	NA
Chemical engineering	184,495.9	NA	NA
Civil engineering	187,910.7	NA	NA
Electrical engineering	324,236.7	NA	NA
Mechanical engineering	82,082.6	NA	NA
Metallurgy and materials engineering	287,416.8	NA	NA
Other engineering	1,164,166.7	NA	NA
Environmental sciences	1,059,823.1	1,042,159.1	1,104,642.2
Atmospheric sciences	245,677.5	NA	NA
Geological sciences	188,502.1	NA	NA
Oceanography	337,893.5	NA	NA
Other environmental sciences	287,750.0	NA	NA
Life sciences	16,370,872.2	16,441,907.1	16,395,165.3
Agricultural sciences	292,038.8	NA	NA
Biological sciences (excluding environmental biology)	8,884,668.9	NA	NA
Environmental biology	321,765.3	NA	NA
Medical sciences	5,545,428.6	NA	NA
Other life sciences	1,326,970.6	NA	NA
Physical sciences	1,864,697.2	1,844,545.8	1,837,533.3
Astronomy	164,136.2	NA	NA
Chemistry	599,864.2	NA	NA
Physics	877,141.0	NA	NA
Other physical sciences	223,555.7	NA	NA
Psychology	1,170,863.3	1,179,152.3	1,186,026.3
Biological aspects	12,132.8	NA	NA
Social aspects	11,219.1	NA	NA
Other psychological sciences	1,147,511.4	NA	NA
Social sciences	386,412.4	389,317.9	399,523.0
Anthropology	19,776.7	NA	NA
Economics	69,401.0	NA	NA
Political science	10,046.0	NA	NA

TABLE 65. Federal obligations for research performed at universities and colleges for selected agencies, by detailed field of science and engineering: FYs 2011–13

(Dollars in thousands)

Field	2011	Preliminary	
		2012	2013
Sociology	30,142.4	NA	NA
Other social sciences	257,046.3	NA	NA
Other sciences nec	968,993.5	999,726.1	1,061,873.6

NA = not available; data collected for this table were not recorded at that level in that particular fiscal year.

nec = not elsewhere classified.

NOTES: Because of rounding, detail may not add to total. Seven agencies are required to report data for this section of the survey: the Departments of Agriculture, Defense, Energy, Health and Human Services, and Homeland Security; the National Aeronautics and Space Administration; and the National Science Foundation. Research obligations of these seven agencies represented over 97% of total federal research obligations to universities and colleges in FYs 2011–13.

SOURCE: National Science Foundation, National Center for Science and Engineering Statistics, Survey of Federal Funds for Research and Development, FYs 2011–13.