

TABLE 87. Federal obligations for applied research performed at universities and colleges for selected agencies, by detailed field of science and engineering: FYs 2013–15  
(Dollars in thousands)

Field	2013	Preliminary	
		2014	2015
All fields	9,278,323.1	9,820,470.4	9,822,900.4
Computer sciences and mathematics	285,696.4	320,027.0	309,701.9
Computer sciences	234,169.9	NA	NA
Mathematics	32,752.8	NA	NA
Other computer sciences and mathematics	18,773.6	NA	NA
Engineering	784,583.7	859,412.6	853,219.3
Aeronautical engineering	68,015.7	NA	NA
Astronautical engineering	27,763.3	NA	NA
Chemical engineering	40,682.0	NA	NA
Civil engineering	10,322.8	NA	NA
Electrical engineering	74,590.1	NA	NA
Mechanical engineering	30,015.9	NA	NA
Metallurgy and materials engineering	50,345.9	NA	NA
Other engineering	482,848.0	NA	NA
Environmental sciences	148,475.2	161,792.6	158,555.5
Atmospheric sciences	18,315.6	NA	NA
Geological sciences	2,171.9	NA	NA
Oceanography	25,625.6	NA	NA
Other environmental sciences	102,362.1	NA	NA
Life sciences	7,031,787.3	7,381,977.3	7,418,201.3
Agricultural sciences	123,216.6	NA	NA
Biological sciences (excluding environmental biology)	3,541,944.0	NA	NA
Environmental biology	86,451.4	NA	NA
Medical sciences	2,544,904.1	NA	NA
Other life sciences	735,271.1	NA	NA
Physical sciences	187,456.5	198,604.6	194,413.8
Astronomy	9,484.4	NA	NA
Chemistry	76,759.0	NA	NA
Physics	84,005.0	NA	NA
Other physical sciences	17,208.2	NA	NA
Psychology	512,803.9	538,729.6	536,873.3
Biological aspects	0.0	NA	NA
Social aspects	888.3	NA	NA
Other psychological sciences	511,915.6	NA	NA
Social sciences	110,365.1	116,968.8	107,727.4
Anthropology	92.6	NA	NA
Economics	28,525.8	NA	NA
Political science	186.4	NA	NA
Sociology	23,783.0	NA	NA
Other social sciences	57,777.3	NA	NA
Other sciences nec	217,155.0	242,957.8	244,207.9

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. Applied research obligations of these seven agencies represented over 94% of total federal applied research obligations to universities and colleges in FYs 2013–15.

SOURCE: National Science Foundation, National Center for Science and Engineering Statistics, Survey of Federal Funds for Research and Development, FYs 2013–15.