

TABLE 76. Federal obligations for basic research performed at universities and colleges for selected agencies, by detailed field of science and engineering: FYs 2012–14

(Dollars in thousands)

Field	2012	Preliminary	
		2013	2014
All fields	15,674,388.6	15,528,097.9	16,279,168.4
Computer sciences and mathematics	1,161,710.6	1,142,607.2	1,265,207.1
Computer sciences	732,706.4	NA	NA
Mathematics	374,883.2	NA	NA
Other computer sciences and mathematics	54,121.1	NA	NA
Engineering	1,511,438.0	1,498,206.2	1,610,030.0
Aeronautical engineering	127,513.3	NA	NA
Astronautical engineering	18,356.2	NA	NA
Chemical engineering	67,118.0	NA	NA
Civil engineering	28,617.7	NA	NA
Electrical engineering	180,352.2	NA	NA
Mechanical engineering	123,489.5	NA	NA
Metallurgy and materials engineering	293,539.7	NA	NA
Other engineering	672,451.5	NA	NA
Environmental sciences	930,464.5	921,819.3	1,016,024.0
Atmospheric sciences	263,036.6	NA	NA
Geological sciences	200,888.3	NA	NA
Oceanography	305,397.0	NA	NA
Other environmental sciences	161,142.6	NA	NA
Life sciences	8,917,041.6	8,987,328.3	9,098,798.2
Agricultural sciences	73,401.9	NA	NA
Biological sciences (excluding environmental biology)	4,905,789.1	NA	NA
Environmental biology	202,363.8	NA	NA
Medical sciences	2,925,030.4	NA	NA
Other life sciences	810,456.4	NA	NA
Physical sciences	1,754,342.4	1,620,358.8	1,775,973.2
Astronomy	221,277.0	NA	NA
Chemistry	485,586.4	NA	NA
Physics	834,561.4	NA	NA
Other physical sciences	212,917.6	NA	NA
Psychology	687,545.5	689,694.3	707,264.8
Biological aspects	11,500.2	NA	NA
Social aspects	8,513.9	NA	NA
Other psychological sciences	667,531.4	NA	NA
Social sciences	254,990.0	262,410.7	278,833.3
Anthropology	18,867.4	NA	NA
Economics	29,586.2	NA	NA
Political science	9,831.2	NA	NA
Sociology	21,967.6	NA	NA
Other social sciences	174,737.7	NA	NA
Other sciences nec	456,856.0	405,673.1	527,037.8

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. Basic research obligations of these seven agencies represented over 99% of total federal basic research obligations to universities and colleges in FYs 2012–14.

SOURCE: National Science Foundation, National Center for Science and Engineering Statistics, Survey of Federal Funds for Research and Development, FYs 2012–14.