

TABLE 19. Federal obligations for research, by detailed field of science and engineering: FYs 2012–14  
(Dollars in thousands)

Field	2012	Preliminary	
		2013	2014
All fields	61,946,867.7	61,616,685.9	64,199,394.0
Computer sciences and mathematics	3,527,532.1	3,643,123.9	3,931,783.6
Computer sciences	2,392,158.7	NA	NA
Mathematics	925,311.6	NA	NA
Other computer sciences and mathematics	210,061.8	NA	NA
Engineering	11,403,382.2	10,635,612.9	11,274,513.5
Aeronautical engineering	1,814,889.2	NA	NA
Astronautical engineering	690,180.0	NA	NA
Chemical engineering	349,642.1	NA	NA
Civil engineering	513,586.6	NA	NA
Electrical engineering	1,324,610.2	NA	NA
Mechanical engineering	372,176.7	NA	NA
Metallurgy and materials engineering	1,699,184.8	NA	NA
Other engineering	4,639,112.6	NA	NA
Environmental sciences	3,884,270.3	3,946,679.3	4,100,684.5
Atmospheric sciences	1,469,230.0	NA	NA
Geological sciences	725,669.0	NA	NA
Oceanography	813,538.4	NA	NA
Other environmental sciences	875,832.9	NA	NA
Life sciences	30,966,714.6	31,162,420.9	31,458,224.0
Agricultural sciences	329,952.9	NA	NA
Biological sciences (excluding environmental biology)	15,962,372.2	NA	NA
Environmental biology	721,090.2	NA	NA
Medical sciences	11,077,294.4	NA	NA
Other life sciences	2,876,004.9	NA	NA
Physical sciences	6,407,512.1	6,478,230.4	6,790,981.5
Astronomy	1,099,394.9	NA	NA
Chemistry	1,103,031.4	NA	NA
Physics	3,708,340.1	NA	NA
Other physical sciences	496,745.8	NA	NA
Psychology	2,086,637.5	2,101,915.6	2,144,484.3
Biological aspects	14,167.1	NA	NA
Social aspects	61,698.6	NA	NA
Other psychological sciences	2,010,771.8	NA	NA
Social sciences	1,124,500.5	1,031,730.4	1,212,559.0
Anthropology	30,186.2	NA	NA
Economics	343,544.1	NA	NA
Political science	12,901.6	NA	NA
Sociology	154,659.1	NA	NA
Other social sciences	583,209.5	NA	NA
Other sciences nec	2,546,318.4	2,616,972.5	3,286,163.6

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

nec = not elsewhere classified.

NOTE: Because of rounding, detail may not add to total.

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