

TABLE 19. Federal obligations for research, by detailed field of science and engineering: FYs 2010–12  
(Dollars in thousands)

Field	2010	Preliminary	
		2011	2012
All fields	63,727,973.3	58,166,731.5	60,712,322.7
Environmental sciences	3,338,941.2	3,124,664.1	3,312,689.8
Atmospheric sciences	953,823.9	NA	NA
Geological sciences	530,383.0	NA	NA
Oceanography	743,689.9	NA	NA
Environmental sciences, nec	1,111,044.5	NA	NA
Life sciences	33,909,131.9	30,202,684.4	30,803,923.4
Agricultural sciences	1,131,888.1	NA	NA
Biological sciences (excluding environmental biology)	17,213,884.6	NA	NA
Environmental biology	816,359.5	NA	NA
Medical sciences	11,676,999.7	NA	NA
Life sciences, nec	3,070,000.1	NA	NA
Mathematics and computer sciences	3,411,837.6	3,275,503.1	3,590,281.6
Computer sciences	2,361,953.1	NA	NA
Mathematics	835,466.7	NA	NA
Mathematics and computer sciences, nec	214,417.8	NA	NA
Physical sciences	5,870,776.2	5,534,039.4	5,902,407.3
Astronomy	559,870.2	NA	NA
Chemistry	1,310,649.0	NA	NA
Physics	3,470,082.8	NA	NA
Physical sciences, nec	530,174.3	NA	NA
Psychology	2,155,558.5	1,905,000.2	1,960,097.2
Biological aspects	13,596.3	NA	NA
Social aspects	74,539.4	NA	NA
Psychological sciences, nec	2,067,422.8	NA	NA
Social sciences	1,197,321.9	1,221,870.7	1,258,413.5
Anthropology	24,699.8	NA	NA
Economics	274,016.4	NA	NA
Political science	14,245.8	NA	NA
Sociology	132,348.9	NA	NA
Social sciences, nec	752,011.0	NA	NA
Other sciences, nec	2,763,232.5	2,763,534.1	3,028,720.3
Engineering	11,081,173.3	10,139,435.6	10,855,789.7
Aeronautical engineering	830,123.6	NA	NA
Astronautical engineering	389,892.4	NA	NA
Chemical engineering	509,681.6	NA	NA
Civil engineering	699,832.1	NA	NA
Electrical engineering	1,360,894.7	NA	NA
Mechanical engineering	363,620.7	NA	NA
Metallurgy and materials engineering	1,758,772.9	NA	NA
Engineering, nec	5,168,355.3	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.

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 2010–12.