

TABLE 126

Federal obligations for applied research, by detailed field of science and engineering: FYs 2000–10

(Dollars in millions)

Field	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
All fields	18,900.8	22,755.6	24,338.4	26,320.4	27,237.1	26,597.9	26,951.1	27,227.8	26,739.7	30,812.5	31,932.6
Computer sciences and mathematics	1,407.3	1,652.8	1,632.0	1,552.2	1,710.3	1,754.9	1,606.7	1,652.1	1,639.8	1,750.3	1,748.6
Computer sciences	1,196.6	1,437.2	1,406.3	1,322.3	1,432.7	1,499.0	1,316.9	1,369.4	1,319.2	1,444.1	1,488.4
Mathematics	124.3	108.0	76.4	93.2	138.7	144.1	150.5	147.5	137.8	123.6	118.9
Other computer sciences and mathematics	86.5	107.6	149.3	136.7	138.9	111.9	139.3	135.2	182.8	182.7	141.4
Engineering	4,582.2	6,285.5	6,410.0	6,492.0	6,594.7	6,252.5	6,314.2	6,359.8	6,239.5	6,878.8	7,590.0
Aeronautical engineering	1,141.1	2,060.3	1,827.0	1,476.5	1,336.6	958.6	986.5	734.0	660.8	722.5	678.8
Astronautical engineering	426.3	718.9	692.6	643.0	597.8	421.2	418.6	297.2	256.1	334.9	358.3
Chemical engineering	143.9	138.9	139.2	256.4	250.2	217.0	227.0	244.8	234.0	279.4	366.9
Civil engineering	179.5	240.5	256.1	288.5	274.7	217.1	285.2	337.9	361.8	493.4	544.6
Electrical engineering	567.7	642.8	595.6	723.7	691.3	820.9	830.3	781.1	825.1	956.6	1,065.9
Mechanical engineering	195.9	190.4	176.7	202.2	212.3	247.0	227.7	259.5	226.6	230.1	283.3
Metallurgy and materials engineering	400.3	489.7	492.8	502.7	445.2	518.2	438.6	519.9	630.7	609.0	667.4
Other engineering	1,527.4	1,803.9	2,229.9	2,399.1	2,786.6	2,852.5	2,900.2	3,185.3	3,044.6	3,252.9	3,624.7
Environmental sciences	1,490.3	1,588.6	1,585.0	1,841.4	1,718.7	1,536.5	1,581.1	1,442.7	1,391.5	1,608.2	1,551.5
Atmospheric sciences	387.3	516.4	479.4	591.3	532.9	441.5	500.7	380.9	361.3	367.6	356.9
Geological sciences	209.6	273.2	248.9	263.1	222.5	203.2	209.3	211.2	214.5	324.3	197.7
Oceanography	308.1	278.7	357.6	403.9	356.5	340.4	329.4	350.9	355.1	285.0	272.1
Other environmental sciences	585.3	520.4	499.1	583.0	606.9	551.4	541.8	499.6	460.6	631.3	724.8
Life sciences	7,915.7	10,221.8	11,452.7	13,007.0	13,238.5	12,880.2	12,993.3	13,820.1	13,361.5	15,679.9	16,160.8
Agricultural sciences	449.2	496.0	517.1	517.7	583.1	583.0	593.9	606.5	525.6	589.0	560.4
Biological sciences (excluding environmental biology)	3,888.9	4,427.7	6,118.8	8,172.0	5,869.1	5,743.6	5,991.1	6,354.2	6,184.4	7,776.7	7,796.5
Environmental biology	426.4	419.0	444.4	393.8	340.8	360.0	342.3	406.4	489.9	497.0	380.9
Medical sciences	2,540.0	3,776.6	3,066.4	3,241.2	5,421.5	5,159.4	5,137.8	5,286.7	5,073.0	5,645.1	5,890.1
Other life sciences	611.2	1,102.6	1,306.0	682.3	1,023.9	1,034.2	928.2	1,166.3	1,088.6	1,172.1	1,532.9
Physical sciences	1,317.3	1,273.6	1,577.4	1,567.6	1,548.6	1,755.0	1,835.6	1,591.6	1,669.5	1,700.1	1,886.7
Astronomy	86.3	109.0	148.2	175.8	155.4	106.5	105.5	63.3	45.4	53.8	55.7
Chemistry	459.8	288.1	432.9	389.3	415.0	433.5	405.7	417.1	422.6	438.6	482.9
Physics	641.0	699.5	759.6	679.6	694.0	1,045.4	1,091.0	926.9	982.4	985.7	1,093.0
Other physical sciences	130.3	177.0	236.6	322.9	284.1	169.6	233.4	184.3	219.2	222.0	255.1
Psychology	808.9	449.0	441.3	560.6	875.6	851.6	802.4	859.1	804.8	985.9	1,026.4
Biological aspects	2.5	3.2	2.8	12.7	5.0	2.0	2.3	2.3	21.2	0.2	3.5
Social aspects	41.7	54.3	47.7	46.5	46.6	42.3	36.0	31.4	12.2	32.3	56.2
Other psychological sciences	764.7	391.5	390.8	501.5	824.0	807.3	764.1	825.3	771.4	953.3	966.6
Social sciences	742.4	730.2	621.3	673.0	670.3	705.8	742.9	785.9	647.0	724.5	838.4
Anthropology	1.9	1.5	1.2	1.8	2.1	2.8	1.0	0.8	2.2	1.6	0.4
Economics	197.7	191.5	182.1	186.2	156.7	164.6	156.3	197.7	168.6	178.1	229.6
Political science	17.5	13.6	12.7	12.5	12.0	22.2	33.6	32.7	12.7	11.6	4.7
Sociology	78.8	77.6	76.6	76.0	71.5	52.2	124.9	176.8	81.2	105.5	102.8
Other social sciences	446.5	446.0	348.7	396.5	428.0	463.9	427.1	377.9	382.2	427.7	500.9
Other sciences nec	636.6	554.1	618.8	626.6	880.5	861.4	1,074.9	716.7	986.2	1,484.8	1,130.2

nec = not elsewhere classified.

Note(s):

Because of rounding, detail may not add to total. FYs 2009 and 2010 obligations include additional funding provided by the American Recovery and Reinvestment Act of 2009.

Source(s):

National Center for Science and Engineering Statistics, Survey of Federal Funds for Research and Development.