

TABLE 122

Federal obligations for research, by detailed field of science and engineering: FYs 2001–11

(Dollars in millions)

Field	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
All fields	44,713.7	48,006.7	51,071.8	53,357.8	53,738.2	53,535.7	54,093.6	53,893.7	63,691.9	63,728.0	58,064.8
Computer sciences and mathematics	2,610.6	2,630.7	2,672.5	2,949.4	2,983.4	2,814.9	2,945.7	3,047.3	3,611.8	3,411.8	3,374.3
Computer sciences	2,022.8	2,043.2	2,052.8	2,144.9	2,157.1	1,987.8	2,077.7	2,053.0	2,422.2	2,362.0	2,191.7
Mathematics	396.4	402.0	452.9	617.8	686.6	669.2	708.6	782.9	927.9	835.5	891.6
Other computer sciences and mathematics	191.4	185.5	166.7	186.7	139.7	157.9	159.4	211.4	261.6	214.4	291.0
Engineering	8,197.0	8,274.9	8,405.1	8,866.4	8,552.9	8,678.7	8,989.7	8,975.5	10,285.0	11,081.2	10,057.2
Aeronautical engineering	2,430.1	2,157.1	1,732.2	1,640.8	1,276.3	1,229.2	929.2	810.3	907.8	830.1	845.1
Astronautical engineering	752.7	760.8	702.5	664.9	494.1	476.3	341.0	288.1	370.2	389.9	410.1
Chemical engineering	199.0	201.6	327.9	318.8	283.8	294.6	353.8	345.6	447.1	509.7	474.5
Civil engineering	288.4	302.7	339.6	330.3	279.2	352.7	461.5	488.0	678.9	699.8	617.1
Electrical engineering	889.7	808.7	950.0	890.9	1,033.5	1,035.5	1,027.5	1,046.5	1,254.0	1,360.9	1,235.5
Mechanical engineering	319.2	265.9	298.4	301.9	323.7	298.2	337.2	292.4	314.3	363.6	309.8
Metallurgy and materials engineering	1,080.8	1,000.5	1,083.7	1,037.2	1,184.1	1,250.0	1,479.8	1,623.9	1,721.6	1,758.8	1,621.3
Other engineering	2,237.0	2,777.6	2,970.8	3,681.6	3,678.3	3,742.3	4,059.8	4,080.8	4,591.2	5,168.4	4,543.8
Environmental sciences	3,251.7	3,418.3	3,740.9	3,741.6	3,502.6	3,430.6	3,170.5	2,984.6	3,751.1	3,338.9	3,207.2
Atmospheric sciences	1,113.6	1,163.5	1,259.4	1,259.7	1,185.1	1,166.9	964.6	884.5	1,018.1	953.8	953.9
Geological sciences	673.8	674.9	725.0	704.5	673.5	653.9	638.0	517.5	754.0	530.4	597.8
Oceanography	681.1	784.6	846.1	809.1	771.5	745.8	787.8	788.7	834.2	743.7	723.7
Other environmental sciences	783.3	795.2	910.3	968.4	872.5	864.0	780.1	793.9	1,144.8	1,111.0	931.7
Life sciences	23,057.3	25,476.8	27,772.2	27,728.5	28,127.8	27,927.7	29,463.6	28,918.8	33,267.1	33,909.1	29,449.7
Agricultural sciences	1,007.7	1,047.6	1,046.0	1,086.8	1,094.2	1,108.2	1,139.4	1,020.3	1,120.4	1,131.9	1,085.0
Biological sciences (excluding environmental biology)	12,380.0	14,498.5	18,643.5	13,091.9	13,351.6	13,690.8	14,429.7	14,443.1	17,376.8	17,213.9	15,178.3
Environmental biology	728.8	778.9	717.9	670.0	699.0	686.6	757.2	858.0	963.7	816.4	854.9
Medical sciences	6,585.2	6,427.4	6,160.3	10,898.8	10,862.1	10,592.2	10,790.7	10,387.3	11,392.7	11,677.0	10,202.2
Other life sciences	2,355.7	2,724.4	1,204.6	1,981.0	2,120.9	1,849.9	2,346.5	2,210.1	2,413.6	3,070.0	2,129.4
Physical sciences	4,600.8	4,983.2	5,021.6	5,211.1	5,493.7	5,351.1	5,136.1	5,072.6	5,821.1	5,870.8	5,426.6
Astronomy	759.2	751.5	871.8	920.8	884.9	792.5	655.9	527.9	671.5	559.9	555.4
Chemistry	1,024.9	1,181.7	1,137.9	1,191.0	1,197.5	1,126.4	1,149.9	1,148.4	1,274.0	1,310.6	1,106.3
Physics	2,461.7	2,621.4	2,500.2	2,598.6	3,041.3	3,001.8	2,939.2	2,968.9	3,356.1	3,470.1	3,268.8
Other physical sciences	354.9	428.6	511.7	500.8	370.0	430.5	391.1	427.4	519.6	530.2	496.1
Psychology	741.9	905.9	1,104.4	1,854.9	1,891.8	1,747.3	1,837.9	1,740.8	2,086.3	2,155.6	1,886.8
Biological aspects	13.6	10.6	23.2	6.0	2.3	3.0	3.8	21.8	2.1	13.6	16.4
Social aspects	59.8	52.5	50.6	51.7	46.6	40.9	36.8	18.8	50.8	74.5	54.5
Other psychological sciences	668.5	842.8	1,030.6	1,797.2	1,842.8	1,703.4	1,797.3	1,700.3	2,033.4	2,067.4	1,816.0
Social sciences	1,008.6	983.0	1,025.8	1,089.6	1,097.1	1,123.9	1,147.1	977.0	1,156.7	1,197.3	1,262.4
Anthropology	15.6	16.4	14.5	15.0	18.0	15.1	16.1	17.4	29.4	24.7	26.1
Economics	234.1	227.3	234.5	204.6	215.9	202.6	250.0	212.3	230.1	274.0	398.6
Political science	19.5	18.4	18.5	18.7	32.7	44.6	41.2	29.2	24.6	14.2	12.0
Sociology	95.5	96.1	124.7	120.1	70.2	144.2	217.6	95.2	138.8	132.3	132.5
Other social sciences	644.0	624.7	633.6	731.2	760.4	717.4	622.2	622.9	733.8	752.0	693.2
Other sciences nec	1,245.8	1,334.0	1,329.3	1,916.3	2,088.9	2,461.3	1,403.1	2,177.1	3,712.7	2,763.2	3,400.5

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.