

TABLE 122

Federal obligations for 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	38,470.6	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
Computer sciences and mathematics	2,205.6	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
Computer sciences	1,659.6	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
Mathematics	432.9	396.4	402.0	452.9	617.8	686.6	669.2	708.6	782.9	927.9	835.5
Other computer sciences and mathematics	113.1	191.4	185.5	166.7	186.7	139.7	157.9	159.4	211.4	261.6	214.4
Engineering	6,346.4	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
Aeronautical engineering	1,463.9	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
Astronautical engineering	515.0	752.7	760.8	702.5	664.9	494.1	476.3	341.0	288.1	370.2	389.9
Chemical engineering	196.5	199.0	201.6	327.9	318.8	283.8	294.6	353.8	345.6	447.1	509.7
Civil engineering	239.2	288.4	302.7	339.6	330.3	279.2	352.7	461.5	488.0	678.9	699.8
Electrical engineering	744.8	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
Mechanical engineering	289.3	319.2	265.9	298.4	301.9	323.7	298.2	337.2	292.4	314.3	363.6
Metallurgy and materials engineering	918.1	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
Other engineering	1,979.6	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
Environmental sciences	3,328.8	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
Atmospheric sciences	1,104.3	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
Geological sciences	639.2	673.8	674.9	725.0	704.5	673.5	653.9	638.0	517.5	754.0	530.4
Oceanography	673.0	681.1	784.6	846.1	809.1	771.5	745.8	787.8	788.7	834.2	743.7
Other environmental sciences	912.2	783.3	795.2	910.3	968.4	872.5	864.0	780.1	793.9	1,144.8	1,111.0
Life sciences	17,964.7	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
Agricultural sciences	895.0	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
Biological sciences (excluding environmental biology)	10,740.0	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
Environmental biology	740.0	728.8	778.9	717.9	670.0	699.0	686.6	757.2	858.0	963.7	816.4
Medical sciences	4,463.8	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
Other life sciences	1,125.9	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
Physical sciences	4,788.0	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
Astronomy	880.3	759.2	751.5	871.8	920.8	884.9	792.5	655.9	527.9	671.5	559.9
Chemistry	1,225.6	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
Physics	2,405.4	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
Other physical sciences	276.7	354.9	428.6	511.7	500.8	370.0	430.5	391.1	427.4	519.6	530.2
Psychology	1,626.7	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
Biological aspects	8.2	13.6	10.6	23.2	6.0	2.3	3.0	3.8	21.8	2.1	13.6
Social aspects	56.0	59.8	52.5	50.6	51.7	46.6	40.9	36.8	18.8	50.8	74.5
Other psychological sciences	1,562.5	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
Social sciences	1,050.4	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
Anthropology	15.9	15.6	16.4	14.5	15.0	18.0	15.1	16.1	17.4	29.4	24.7
Economics	249.5	234.1	227.3	234.5	204.6	215.9	202.6	250.0	212.3	230.1	274.0
Political science	22.6	19.5	18.4	18.5	18.7	32.7	44.6	41.2	29.2	24.6	14.2
Sociology	90.6	95.5	96.1	124.7	120.1	70.2	144.2	217.6	95.2	138.8	132.3
Other social sciences	671.8	644.0	624.7	633.6	731.2	760.4	717.4	622.2	622.9	733.8	752.0
Other sciences nec	1,160.2	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

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.