

Federal obligations for total research, by detailed S&E field: FY 1986–2007

(Millions of constant 2000 dollars)

Field	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997
All fields.....	23,168.7	24,547.2	24,739.8	26,515.7	26,621.0	28,441.7	28,349.1	30,447.7	30,378.3	30,850.2	30,097.8	30,737.7
Engineering	5,249.3	5,344.8	5,248.3	5,672.3	5,203.7	5,867.3	5,761.1	6,226.9	6,072.5	6,193.4	6,050.4	5,956.2
Aeronautical	1,088.9	1,108.8	1,063.6	1,260.1	1,141.4	1,205.9	1,012.4	1,350.8	1,355.0	1,354.4	1,330.7	1,415.9
Astronautical	739.8	854.6	763.3	865.0	715.1	775.0	729.7	559.3	553.1	592.9	560.8	624.2
Chemical	345.1	295.3	342.4	181.6	297.8	361.1	344.4	278.0	264.0	267.0	229.1	246.0
Civil	284.9	279.7	285.1	293.4	391.1	361.9	382.2	285.3	308.0	368.2	319.7	288.5
Electrical	946.8	1,075.9	969.8	1,076.6	788.0	866.1	878.6	998.1	822.1	820.6	713.3	651.3
Mechanical.....	332.0	319.5	319.4	328.7	330.3	398.1	390.3	528.7	419.0	447.5	313.1	266.5
Metallurgy and materials	624.8	495.3	605.8	665.3	682.7	843.3	841.8	787.7	943.6	884.6	1,053.3	900.9
Engineering nec	886.9	915.8	899.1	1,001.7	857.3	1,055.9	1,181.6	1,439.0	1,407.7	1,458.2	1,530.5	1,563.0
Environmental sciences.....	2,080.3	2,068.3	2,131.7	2,264.2	2,676.7	2,551.0	2,555.4	2,953.6	3,145.4	3,096.9	3,216.1	3,188.0
Atmospheric sciences.....	731.9	756.5	779.7	750.8	952.2	952.5	888.2	1,114.3	1,213.5	1,232.1	1,156.3	1,218.7
Geological sciences.....	623.2	604.4	585.8	693.1	813.9	864.7	851.6	903.4	928.7	920.4	835.3	724.1
Oceanography	603.3	584.8	610.7	628.1	640.3	473.0	531.2	529.2	550.6	441.9	611.7	625.6
Environmental sciences nec	121.9	122.5	155.3	192.2	270.2	260.8	284.5	406.7	452.7	502.7	612.8	619.5
Life sciences	9,075.7	10,044.9	10,246.7	10,847.5	10,871.0	11,417.8	11,471.9	12,197.1	12,505.8	12,814.5	12,849.0	13,253.0
Biological and agricultural	5,421.2	5,963.5	6,066.7	6,410.1	6,375.5	6,642.7	6,521.2	6,860.9	6,763.6	6,946.5	7,061.1	6,849.8
Agricultural sciences.....	847.7	775.7	783.6	854.3	851.2	807.3	795.8	807.2	805.9	727.3	656.1	671.3
Biological sciences (excluding environmental)	4,202.7	4,791.6	4,883.9	5,086.2	5,102.7	5,289.8	5,133.9	5,423.5	5,259.5	5,343.9	5,655.3	5,588.8
Environmental biology	370.8	396.2	399.3	469.6	421.4	545.5	591.5	630.1	698.1	875.5	749.8	609.7
Medical sciences.....	3,313.9	3,646.1	3,901.3	4,114.8	4,164.3	4,106.1	4,525.9	4,987.0	5,388.4	5,394.6	5,296.9	5,791.3
Life sciences nec.....	340.6	435.4	278.7	322.5	331.3	669.0	424.8	349.1	353.9	473.4	491.1	611.9
Mathematics and computer sciences.....	864.0	876.5	852.8	939.0	1,035.1	1,072.4	1,343.1	1,387.5	1,442.5	1,713.3	1,673.8	1,749.9
Computer sciences.....	424.6	407.5	388.3	465.6	692.0	694.1	893.4	935.4	920.1	1,100.0	1,192.6	1,323.8
Mathematics	259.0	279.8	289.0	301.5	297.1	270.1	368.9	329.3	379.4	280.6	271.1	315.7
Mathematics and computer sciences nec.....	180.4	189.2	175.5	172.1	45.9	108.1	80.9	122.9	143.1	332.6	210.1	110.4
Physical sciences	4,308.9	4,450.4	4,400.5	4,731.2	4,689.2	5,025.7	5,138.6	5,012.6	4,713.9	4,641.8	4,178.2	4,343.1
Astronomy.....	657.3	714.5	624.5	692.0	735.3	749.6	855.5	777.1	828.5	829.5	776.4	810.9
Chemistry.....	930.0	930.8	932.7	999.3	937.8	983.0	1,037.4	954.7	969.0	936.9	938.4	885.3
Physics.....	2,535.4	2,536.2	2,620.3	2,797.5	2,776.2	2,920.2	2,984.4	2,987.4	2,707.5	2,659.5	2,120.8	2,164.2
Physical sciences nec.....	186.2	269.0	223.0	242.5	240.1	373.0	261.3	293.5	208.7	216.1	342.5	482.5
Psychology.....	468.9	505.6	517.1	538.5	552.3	572.4	345.1	623.5	607.8	675.5	559.1	570.9
Biological aspects.....	126.5	134.5	139.7	155.5	160.8	166.4	40.1	42.1	53.3	63.8	66.9	60.5
Social aspects.....	201.5	211.4	198.2	191.4	218.5	234.4	116.8	152.5	129.4	169.6	88.8	101.2
Psychological sciences nec	141.0	159.7	179.3	191.4	173.0	171.8	188.2	428.8	424.9	442.1	403.4	409.2
Social sciences.....	583.4	656.8	644.4	703.6	775.6	863.0	798.4	764.2	717.5	736.4	697.2	728.8
Anthropology.....	19.1	20.8	19.0	17.7	17.7	19.0	16.3	15.5	18.0	23.5	19.5	22.0
Economics.....	184.3	203.2	211.6	213.0	242.8	222.4	244.9	231.8	214.2	224.0	206.8	214.8
Political science.....	16.3	15.5	16.2	17.2	16.1	20.2	26.2	33.1	28.1	24.2	17.8	14.8
Sociology	94.1	101.3	108.5	120.2	143.1	218.3	93.4	86.8	75.5	51.9	43.9	27.1
Social sciences nec.....	269.6	316.1	289.2	335.6	355.9	383.2	417.6	396.9	381.7	412.6	409.2	450.3
Other sciences nec.....	538.1	599.7	698.4	819.3	817.1	1,072.0	935.6	1,282.3	1,173.0	978.4	874.1	947.6

Federal obligations for total research, by detailed S&E field: FY 1986–2007

(Millions of constant 2000 dollars)

Field	1998	1999	2000	2001	2002	2003	2004	2005	Average growth rate (%)			
									2006 (preliminary)	2007 (preliminary)	1986–2005	1986–2007
All fields.....	31,963.9	34,209.9	38,470.6	43,945.4	46,271.9	48,235.3	49,174.5	48,032.2	47,658.9	46,587.1	3.9	3.4
Engineering	6,094.0	6,390.9	6,346.4	8,056.2	7,975.9	7,938.3	8,171.3	7,644.7	7,782.9	8,023.2	2.0	2.0
Aeronautical	1,650.2	1,642.5	1,463.9	2,388.3	2,079.2	1,636.0	1,512.2	1,140.8	NA	NA	0.2	NA
Astronautical	652.4	633.2	515.0	739.8	733.3	663.5	612.8	441.6	NA	NA	-2.7	NA
Chemical	196.5	207.3	196.5	195.6	194.3	309.7	293.8	253.7	NA	NA	-1.6	NA
Civil	252.3	335.2	239.2	283.4	291.8	320.7	304.4	249.6	NA	NA	-0.7	NA
Electrical	660.8	712.9	744.8	874.4	779.5	897.2	821.1	923.8	NA	NA	-0.1	NA
Mechanical.....	258.0	245.3	289.3	313.7	256.3	281.8	278.2	289.3	NA	NA	-0.7	NA
Metallurgy and materials.....	815.7	804.0	918.1	1,062.2	964.3	1,023.5	955.9	1,058.4	NA	NA	2.8	NA
Engineering nec	1,608.0	1,810.4	1,979.6	2,198.6	2,677.2	2,805.8	3,393.0	3,287.7	NA	NA	7.1	NA
Environmental sciences.....	3,165.1	3,158.3	3,328.8	3,195.8	3,294.8	3,533.1	3,448.3	3,130.7	3,164.1	3,074.6	2.2	1.9
Atmospheric sciences.....	1,214.0	1,200.4	1,104.3	1,094.5	1,121.5	1,189.5	1,160.9	1,059.3	NA	NA	2.0	NA
Geological sciences.....	623.6	673.6	639.2	662.2	650.5	684.7	649.3	602.0	NA	NA	-0.2	NA
Oceanography.....	578.7	670.0	673.0	669.4	756.2	799.1	745.7	689.6	NA	NA	0.7	NA
Environmental sciences nec	748.8	614.3	912.2	769.8	766.5	859.7	892.5	779.9	NA	NA	10.3	NA
Life sciences	14,014.3	15,736.4	17,964.7	22,661.1	24,556.2	26,229.8	25,554.6	25,141.2	24,627.4	23,518.5	5.5	4.6
Biological and agricultural	7,312.1	8,211.5	12,375.0	13,873.8	15,735.2	19,273.9	13,684.6	13,536.7	NA	NA	4.9	NA
Agricultural sciences.....	788.5	866.7	895.0	990.4	1,009.7	987.9	1,001.6	978.0	NA	NA	0.8	NA
Biological sciences (excluding environmental).....	5,898.8	6,609.4	10,740.0	12,167.3	13,974.6	17,608.1	12,065.5	11,933.9	NA	NA	5.6	NA
Environmental biology.....	624.9	735.3	740.0	716.3	750.8	678.0	617.5	624.8	NA	NA	2.8	NA
Medical sciences.....	6,198.3	6,939.6	4,463.8	6,472.0	6,195.1	5,818.2	10,044.3	9,708.7	NA	NA	5.8	NA
Life sciences nec.....	503.8	585.3	1,125.9	2,315.2	2,626.0	1,137.7	1,825.7	1,895.7	NA	NA	9.5	NA
Mathematics and computer sciences.....	1,898.7	2,020.9	2,205.6	2,565.7	2,535.6	2,524.1	2,718.2	2,666.6	2,657.3	2,690.8	6.1	5.6
Computer sciences.....	1,445.8	1,547.0	1,659.6	1,988.0	1,969.4	1,938.8	1,976.7	1,928.1	NA	NA	8.3	NA
Mathematics	345.4	352.3	432.9	389.6	387.5	427.7	569.4	613.7	NA	NA	4.6	NA
Mathematics and computer sciences nec.....	107.5	121.6	113.1	188.1	178.8	157.4	172.1	124.9	NA	NA	-1.9	NA
Physical sciences	4,351.5	4,149.0	4,788.0	4,521.7	4,803.1	4,742.7	4,802.5	4,910.4	4,824.8	4,776.0	0.7	0.5
Astronomy.....	756.9	773.3	880.3	746.2	724.3	823.4	848.6	790.9	NA	NA	1.0	NA
Chemistry.....	846.6	831.5	1,225.6	1,007.3	1,139.0	1,074.7	1,097.6	1,070.3	NA	NA	0.7	NA
Physics.....	2,203.6	2,267.1	2,405.4	2,419.4	2,526.7	2,361.3	2,394.9	2,718.4	NA	NA	0.4	NA
Physical sciences nec.....	544.4	276.9	276.7	348.8	413.1	483.3	461.5	330.7	NA	NA	3.1	NA
Psychology	610.9	645.5	1,626.7	729.2	873.2	1,043.1	1,709.5	1,690.9	1,648.1	1,616.7	7.0	6.1
Biological aspects.....	43.0	18.4	8.2	13.4	10.2	21.9	5.5	2.1	NA	NA	-19.4	NA
Social aspects.....	100.8	68.0	56.0	58.8	50.6	47.8	47.6	41.7	NA	NA	-8.0	NA
Psychological sciences nec	467.1	559.1	1,562.5	657.0	812.3	973.4	1,656.3	1,647.1	NA	NA	13.8	NA
Social sciences.....	833.3	872.3	1,050.4	991.3	947.5	968.8	1,004.2	980.6	1,042.8	1,027.7	2.8	2.7
Anthropology	18.8	18.7	15.9	15.3	15.8	13.7	13.8	16.1	NA	NA	-0.9	NA
Economics.....	238.3	221.0	249.5	230.1	219.1	221.5	188.6	193.0	NA	NA	0.2	NA
Political science.....	20.9	20.6	22.6	19.2	17.7	17.5	17.2	29.2	NA	NA	3.1	NA
Sociology	104.2	85.5	90.6	93.9	92.6	117.8	110.7	62.7	NA	NA	-2.1	NA
Social sciences nec.....	451.1	526.5	671.8	632.9	602.1	598.4	673.9	679.7	NA	NA	5.0	NA
Other sciences nec.....	996.2	1,236.8	1,160.2	1,224.4	1,285.8	1,255.5	1,766.1	1,867.1	1,911.4	1,859.5	6.8	6.1

NA = not available

nec = not elsewhere classified

NOTE: Detail may not add to total because of rounding.

SOURCE: National Science Foundation, Division of Science Resources Statistics, Federal Funds for Research and Development: Fiscal Years 2005, 2006, and 2007 (forthcoming).