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Federal obligations for basic 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	19,569.8	21,958.1	23,668.3	24,751.4	26,120.7	27,140.3	26,584.6	26,865.8	27,154.0	32,879.4	31,795.3
Computer sciences and mathematics	798.3	957.8	998.7	1,120.2	1,239.1	1,228.4	1,208.2	1,293.5	1,407.4	1,861.4	1,663.2
Computer sciences	463.0	585.6	636.9	730.5	712.2	658.1	670.9	708.3	733.8	978.1	873.6
Mathematics	308.6	288.4	325.6	359.8	479.1	542.5	518.6	561.0	645.0	804.3	716.6
Other computer sciences and mathematics	26.6	83.9	36.2	30.0	47.9	27.8	18.7	24.2	28.6	79.0	73.0
Engineering	1,764.2	1,911.5	1,864.9	1,913.1	2,271.7	2,300.5	2,364.6	2,629.9	2,736.0	3,406.2	3,491.1
Aeronautical engineering	322.8	369.7	330.1	255.8	304.2	317.7	242.7	195.1	149.5	185.3	151.3
Astronautical engineering	88.7	33.9	68.1	59.5	67.1	72.9	57.8	43.8	32.0	35.3	31.6
Chemical engineering	52.6	60.2	62.3	71.5	68.6	66.8	67.6	109.0	111.6	167.6	142.7
Civil engineering	59.7	47.9	46.5	51.1	55.6	62.2	67.4	123.6	126.2	185.5	155.2
Electrical engineering	177.0	246.9	213.0	226.3	199.6	212.6	205.1	246.4	221.4	297.4	295.0
Mechanical engineering	93.4	128.8	89.2	96.3	89.6	76.7	70.5	77.6	65.8	84.3	80.3
Metallurgy and materials engineering	517.8	591.1	507.8	581.0	592.0	665.9	811.4	959.9	993.2	1,112.6	1,091.4
Other engineering	452.2	433.1	547.8	571.7	895.0	825.7	842.1	874.5	1,036.2	1,338.3	1,543.7
Environmental sciences	1,838.4	1,663.0	1,833.3	1,899.5	2,022.9	1,966.1	1,849.5	1,727.8	1,593.1	2,142.9	1,787.4
Atmospheric sciences	717.0	597.2	684.1	668.1	726.8	743.6	666.3	583.6	523.2	650.5	596.9
Geological sciences	429.6	400.6	426.0	461.9	482.0	470.3	444.6	426.8	303.0	429.7	332.6
Oceanography	364.9	402.4	427.0	442.2	452.6	431.1	416.5	436.9	433.6	549.2	471.6
Other environmental sciences	326.9	262.9	296.1	327.3	361.5	321.1	322.2	280.5	333.3	513.5	386.3
Life sciences	10,049.0	12,835.5	14,024.1	14,765.3	14,490.0	15,247.6	14,934.4	15,643.5	15,557.4	17,587.2	17,748.3
Agricultural sciences	445.7	511.7	530.6	528.3	503.7	511.2	514.3	532.9	494.7	531.4	571.4
Biological sciences (excluding environmental biology)	6,851.1	7,952.3	8,379.7	10,471.5	7,222.8	7,608.0	7,699.8	8,075.5	8,258.7	9,600.1	9,417.4
Environmental biology	313.6	309.8	334.5	324.0	329.1	339.0	344.3	350.8	368.2	466.6	435.4
Medical sciences	1,923.8	2,808.6	3,361.0	2,919.1	5,477.2	5,702.7	5,454.4	5,504.0	5,314.3	5,747.6	5,786.9
Other life sciences	514.7	1,253.1	1,418.3	522.3	957.1	1,086.7	921.7	1,180.2	1,121.5	1,241.5	1,537.1
Physical sciences	3,470.6	3,327.1	3,405.9	3,454.0	3,662.6	3,738.7	3,515.5	3,544.5	3,403.1	4,121.0	3,984.1
Astronomy	794.0	650.2	603.3	696.0	765.4	778.4	686.9	592.6	482.5	617.7	504.2
Chemistry	765.8	736.8	748.8	748.6	776.0	764.0	720.7	732.8	725.8	835.4	827.7
Physics	1,764.4	1,762.3	1,861.7	1,820.6	1,904.5	1,995.9	1,910.8	2,012.3	1,986.6	2,370.4	2,377.0
Other physical sciences	146.4	177.9	192.0	188.8	216.7	200.4	197.1	206.8	208.2	297.5	275.1
Psychology	817.8	292.9	464.6	543.8	979.2	1,040.1	944.9	978.8	936.0	1,100.5	1,129.2
Biological aspects	5.7	10.4	7.8	10.6	0.9	0.3	0.7	1.5	0.5	1.9	10.1
Social aspects	14.3	5.5	4.8	4.1	5.0	4.3	4.9	5.4	6.6	18.5	18.4
Other psychological sciences	797.8	277.0	452.0	529.2	973.2	1,035.5	939.3	972.0	928.9	1,080.0	1,100.8
Social sciences	308.0	278.4	361.7	352.8	419.3	391.4	381.0	361.3	330.0	432.2	358.9
Anthropology	14.0	14.1	15.2	12.7	12.9	15.2	14.1	15.3	15.2	27.7	24.3
Economics	51.8	42.5	45.3	48.2	48.0	51.3	46.3	52.3	43.7	52.0	44.4
Political science	5.1	5.9	5.7	6.0	6.7	10.5	11.0	8.5	16.5	13.0	9.6
Sociology	11.8	17.9	19.5	48.7	48.6	17.9	19.2	40.8	14.0	33.3	29.5
Other social sciences	225.4	198.0	276.0	237.1	303.1	296.5	290.3	244.3	240.6	306.1	251.1
Other sciences nec	523.6	691.7	715.2	702.7	1,035.9	1,227.5	1,386.5	686.4	1,190.9	2,227.9	1,633.0

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.