

TABLE B-2. Federal obligations for science and engineering (S&E) to universities and colleges, by type of activity and agency: fiscal years 1963--2002

(Dollars in millions)

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Fiscal year	Total	USDA	ARC	Com	DoD ¹	OEO	ED ¹	DOE ²	EPA	GSA	HHS ³	HUD
Total, all S&E categories												
1963	1,328.5	104.0	NA	1.8	218.0	NA	NA	76.1	NA	NA	581.0	NA
1964	1,528.6	115.0	NA	1.7	258.1	NA	NA	79.9	NA	NA	683.8	NA
1965	1,816.2	135.6	NA	2.6	267.9	NA	NA	84.4	NA	NA	856.5	NA
1966	2,163.5	141.0	NA	2.8	278.0	NA	NA	96.9	NA	NA	1,109.2	NA
1967	2,323.8	144.8	NA	4.4	264.1	NA	NA	109.6	NA	NA	1,251.0	NA
1968	2,349.8	144.2	NA	8.0	243.1	12.5	NA	119.7	NA	NA	1,229.4	1.7
1969	2,361.4	155.9	NA	2.2	278.7	9.3	NA	121.0	NA	NA	1,261.8	1.1
1970	2,187.6	182.1	NA	3.9	265.5	18.9	NA	114.5	NA	NA	1,036.7	.5
1971	2,343.1	214.6	NA	7.6	249.0	16.4	NA	105.8	27.2	NA	1,142.3	.7
1972	2,599.1	238.6	NA	26.0	243.9	8.3	NA	95.4	23.3	NA	1,318.4	1.5
1973	2,464.4	256.8	NA	28.4	232.9	8.7	NA	96.2	27.7	NA	1,225.0	.9
1974	2,737.0	260.7	NA	29.4	184.4	4.1	NA	99.5	30.9	NA	1,515.4	.6
1975	2,805.9	290.7	NA	25.8	190.5	NA	NA	124.3	38.8	NA	1,467.4	2.3
1976	2,959.7	328.6	NA	38.2	211.9	NA	NA	144.1	33.0	NA	1,522.2	1.4
1977	3,351.3	343.2	NA	32.5	267.3	NA	NA	208.1	46.3	NA	1,686.5	4.3
1978	3,962.5	391.7	NA	35.9	452.3	NA	NA	267.2	57.4	NA	1,900.8	10.5
1979	4,473.5	422.5	NA	48.0	528.7	NA	NA	273.9	66.9	NA	2,216.0	4.0
1980	4,791.0	444.1	NA	51.6	555.9	NA	48.0	309.6	81.5	NA	2,281.1	4.3
1981	5,062.9	491.4	NA	51.8	726.0	NA	56.1	310.4	67.5	NA	2,363.6	3.0
1982	5,179.6	529.7	NA	40.6	857.3	NA	35.6	288.2	83.8	NA	2,332.8	2.6
1983	5,680.7	566.0	NA	51.0	940.3	NA	34.9	320.0	50.3	NA	2,602.2	1.5
1984	6,308.0	607.4	NA	105.8	954.6	NA	43.6	348.4	51.9	NA	2,934.1	.2
1985	7,257.9	652.8	NA	81.2	1,061.1	NA	69.6	451.7	65.2	NA	3,440.0	.2
1986	7,431.6	620.7	NA	70.3	1,206.2	NA	74.0	420.5	70.8	NA	3,536.0	.1
1987	8,568.2	674.7	NA	88.8	1,278.5	NA	280.8	475.2	74.3	NA	4,195.3	.1
1988	9,138.1	741.7	NA	81.4	1,377.4	NA	255.6	536.4	66.2	NA	4,486.2	**
1989	10,080.5	721.7	NA	76.4	1,486.4	NA	269.6	566.4	85.8	NA	4,916.8	.0
1990	10,470.8	762.1	NA	116.1	1,342.2	NA	260.1	556.5	93.6	16.8	5,200.7	.1
1991	11,907.6	867.6	NA	124.0	1,540.7	NA	354.1	662.2	116.0	11.3	5,822.6	**
1992	12,838.1	948.9	NA	132.3	1,511.2	NA	402.3	706.7	150.0	4.5	6,281.6	.2
1993	12,834.8	948.3	NA	109.8	1,835.6	NA	156.4	737.1	152.7	.0	6,093.4	.4
1994	13,867.1	945.3	NA	163.0	1,890.4	NA	170.9	636.4	144.6	.2	6,970.7	.8
1995	14,461.0	952.5	NA	183.4	1,852.1	NA	187.9	637.4	164.6	5.1	7,117.8	1.7
1996	14,449.9	875.9	NA	210.9	1,785.8	NA	175.3	656.1	103.3	.1	7,429.1	1.9
1997	15,096.0	980.4	NA	221.8	1,712.8	NA	171.2	647.6	163.5	**	7,936.8	2.7
1998	16,092.8	867.4	.3	205.9	1,709.6	NA	242.6	632.5	198.4	.0	8,648.9	.7
1999	18,057.1	946.0	.4	311.3	1,801.2	NA	325.9	651.0	178.8	.0	9,841.3	1.0
2000	19,877.2	1,080.9	.4	302.5	2,006.5	NA	182.7	702.0	148.3	.0	11,319.3	1.6
2001	22,491.6	1,199.2	.4	370.1	2,156.2	NA	187.7	767.8	186.6	.0	12,831.1	1.7
2002	24,393.8	1,085.5	.2	316.8	2,316.8	NA	145.7	736.8	161.6	.0	14,492.9	1.0

See explanatory information, if any, and SOURCE at end of table.

TABLE B-2. Federal obligations for science and engineering (S&E) to universities and colleges, by type of activity and agency: fiscal years 1963--2002

(Dollars in millions)

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Fiscal year	Int	AID	OJP	Labor	NASA ¹	NSF	NRC	SSA	DOT
Total, all S&E categories									
1963	3.8	NA	NA	NA	87.4	256.3	NA	NA	NA
1964	5.0	NA	NA	NA	107.6	277.5	NA	NA	NA
1965	9.6	NA	NA	NA	134.3	325.2	NA	NA	NA
1966	19.0	NA	NA	NA	142.2	374.5	NA	NA	NA
1967	23.9	NA	NA	NA	131.5	394.5	NA	NA	NA
1968	28.2	NA	NA	6.6	129.8	422.8	NA	NA	3.7
1969	24.3	3.9	NA	9.1	127.2	367.0	NA	NA	NA
1970	27.7	5.5	NA	3.5	131.2	387.4	NA	NA	10.1
1971	22.6	19.1	NA	5.2	134.1	387.7	NA	NA	10.8
1972	24.3	18.7	NA	7.3	119.0	458.7	NA	NA	15.9
1973	23.7	10.7	NA	6.3	111.4	419.6	NA	NA	15.9
1974	23.8	19.9	NA	7.1	98.9	449.6	NA	NA	12.8
1975	28.8	12.4	NA	5.5	108.0	490.5	**	NA	20.8
1976	28.2	13.5	NA	4.5	118.9	496.3	3.2	NA	15.7
1977	29.5	24.4	NA	7.2	121.0	565.8	4.5	NA	10.9
1978	42.5	28.1	NA	12.6	130.5	607.1	8.4	NA	17.5
1979	40.1	28.5	NA	11.1	143.9	671.6	6.9	NA	11.4
1980	42.4	38.6	NA	10.3	171.2	726.4	7.0	NA	19.1
1981	34.2	31.3	NA	12.8	183.5	695.1	7.4	NA	28.5
1982	28.3	50.4	NA	8.4	176.9	728.1	5.0	NA	12.0
1983	32.0	43.4	NA	6.4	203.8	798.8	4.7	NA	25.4
1984	32.2	56.3	NA	3.1	216.6	935.6	4.6	NA	13.6
1985	33.1	57.0	NA	3.4	251.0	1,078.7	5.4	NA	7.6
1986	40.9	44.3	NA	3.7	270.3	1,056.6	3.8	NA	13.6
1987	39.4	53.3	NA	8.3	309.9	1,070.2	3.9	NA	15.3
1988	41.6	48.5	NA	8.0	364.5	1,102.9	3.6	NA	24.2
1989	56.2	65.3	NA	6.5	462.7	1,337.3	4.3	NA	25.1
1990	60.5	47.4	NA	8.6	513.0	1,446.0	4.6	NA	42.6
1991	82.8	31.9	NA	5.8	596.2	1,642.8	5.4	NA	44.1
1992	79.7	27.6	NA	9.2	688.2	1,831.5	5.9	NA	58.3
1993	77.7	11.5	NA	6.6	731.8	1,870.0	4.8	NA	98.8
1994	64.3	12.8	NA	4.8	746.2	2,043.4	6.3	NA	67.0
1995	54.5	167.6	NA	6.0	832.8	2,211.3	6.0	NA	80.3
1996	44.6	107.7	10.2	5.8	770.8	2,205.7	3.8	.7	62.2
1997	58.2	26.2	16.9	4.6	824.4	2,248.5	5.1	.4	75.0
1998	65.9	33.9	19.9	6.2	924.1	2,451.0	5.2	5.0	75.3
1999	82.1	30.0	22.9	10.6	1,038.6	2,699.2	4.5	5.0	107.2
2000	87.9	33.5	19.4	14.9	1,015.9	2,823.7	5.0	6.0	126.6
2001	99.3	31.0	22.0	15.7	1,127.3	3,321.2	5.0	8.9	160.4
2002	96.4	34.2	25.0	8.3	1,244.2	3,582.1	4.2	7.5	134.7

See explanatory information, if any, and SOURCE at end of table.

TABLE B-2. Federal obligations for science and engineering (S&E) to universities and colleges, by type of activity and agency: fiscal years 1963--2002

(Dollars in millions)

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Fiscal year	Total	USDA	ARC	Com	DoD ¹	OEO	ED ¹	DOE ²	EPA	GSA	HHS ³	HUD
Research and development												
1963	829.5	40.6	NA	1.5	218.0	NA	NA	68.3	NA	NA	332.9	NA
1964	975.6	47.5	NA	1.1	258.1	NA	NA	70.5	NA	NA	399.2	NA
1965	1,095.0	59.1	NA	2.1	267.9	NA	NA	74.8	NA	NA	441.9	NA
1966	1,252.1	62.9	NA	2.1	278.0	NA	NA	83.2	NA	NA	507.3	NA
1967	1,301.2	64.0	NA	3.4	264.1	NA	NA	89.7	NA	NA	577.0	NA
1968	1,398.3	62.2	NA	6.7	243.1	12.5	NA	101.8	NA	NA	619.1	1.0
1969	1,474.7	63.6	NA	1.7	278.7	9.3	NA	103.1	NA	NA	667.1	1.0
1970	1,446.6	67.4	NA	3.2	265.5	18.9	NA	101.4	NA	NA	614.9	.5
1971	1,551.4	74.8	NA	6.9	249.0	16.4	NA	95.9	17.0	NA	695.7	.7
1972	1,853.1	88.6	NA	23.6	243.9	8.3	NA	86.9	17.7	NA	879.3	1.5
1973	1,870.7	93.8	NA	24.9	232.9	8.7	NA	85.2	18.6	NA	903.8	.9
1974	2,085.2	96.7	NA	26.6	184.4	3.4	NA	94.6	24.1	NA	1,129.0	.6
1975	2,246.2	110.5	NA	22.2	190.5	NA	NA	119.2	33.8	NA	1,205.3	2.3
1976	2,431.0	124.2	NA	29.0	211.9	NA	NA	138.1	29.3	NA	1,296.2	1.4
1977	2,803.0	142.2	NA	32.2	267.3	NA	NA	187.2	45.0	NA	1,452.1	4.3
1978	3,388.4	175.3	NA	35.0	452.3	NA	NA	251.1	53.8	NA	1,657.6	10.5
1979	3,874.4	193.8	NA	46.5	528.7	NA	NA	256.4	61.1	NA	1,966.5	4.0
1980	4,160.5	211.8	NA	50.4	555.9	NA	48.0	279.6	76.9	NA	2,025.6	4.3
1981	4,410.9	241.4	NA	51.1	700.5	NA	56.1	281.8	64.2	NA	2,112.8	3.0
1982	4,554.5	256.5	NA	39.7	813.7	NA	35.6	265.2	78.1	NA	2,110.6	.5
1983	5,024.4	273.9	NA	50.1	913.4	NA	34.9	296.6	45.3	NA	2,360.3	1.1
1984	5,448.8	273.0	NA	75.6	827.8	NA	43.6	317.1	47.3	NA	2,681.4	.2
1985	6,246.2	300.4	NA	79.7	908.9	NA	69.6	373.1	61.9	NA	3,098.6	.2
1986	6,457.5	290.1	NA	68.3	1,055.0	NA	72.2	346.9	67.9	NA	3,212.1	.1
1987	7,241.9	296.0	NA	87.6	1,098.9	NA	85.2	371.7	67.1	NA	3,835.3	.1
1988	7,721.1	321.3	NA	75.8	1,194.2	NA	69.6	407.9	64.1	NA	4,128.3	**
1989	8,528.4	336.0	NA	68.4	1,220.6	NA	68.6	449.8	77.5	NA	4,512.6	.0
1990	9,016.7	349.1	NA	102.9	NA	NA	71.1	497.1	87.1	.0	4,776.8	.1
1991	10,091.9	408.9	NA	63.9	NA	NA	94.5	614.1	104.4	.0	5,358.3	**
1992	10,926.8	469.4	NA	70.0	NA	NA	104.6	633.5	135.4	.0	5,855.6	.2
1993	11,025.1	468.2	NA	58.4	NA	NA	94.8	603.0	142.6	.0	5,680.2	.4
1994	11,898.1	474.8	NA	84.2	NA	NA	49.2	603.5	134.6	.0	6,482.9	.8
1995	12,180.9	446.1	NA	102.6	NA	NA	67.5	603.2	148.8	.0	6,593.2	1.7
1996	12,345.7	395.4	NA	115.1	NA	NA	68.6	633.0	89.6	.0	6,879.8	1.9
1997	13,019.4	485.8	NA	116.6	NA	NA	64.2	628.0	148.3	.0	7,340.9	2.7
1998	13,875.8	429.3	.3	101.6	NA	NA	98.3	611.4	180.1	.0	7,991.8	.7
1999	15,569.1	501.4	.4	140.5	NA	NA	108.2	632.5	162.7	.0	9,070.1	1.0
2000	17,289.8	563.4	.4	135.0	NA	NA	66.3	694.6	133.0	.0	10,458.3	1.6
2001	19,390.2	662.4	.2	154.9	NA	NA	71.3	757.6	166.3	.0	11,890.3	1.7
2002	21,117.7	602.0	.2	134.3	NA	NA	31.0	728.2	140.7	.0	13,353.9	1.0

See explanatory information, if any, and SOURCE at end of table.

TABLE B-2. Federal obligations for science and engineering (S&E) to universities and colleges, by type of activity and agency: fiscal years 1963--2002

(Dollars in millions)

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Fiscal year	Int	AID	OJP	Labor	NASA ¹	NSF	NRC	SSA	DOT
Research and development									
1963	3.8	NA	NA	NA	59.8	104.6	NA	NA	NA
1964	5.0	NA	NA	NA	78.2	115.8	NA	NA	NA
1965	9.5	NA	NA	NA	100.6	139.2	NA	NA	NA
1966	18.7	NA	NA	NA	107.4	192.5	NA	NA	NA
1967	23.9	NA	NA	NA	109.0	170.2	NA	NA	NA
1968	27.8	NA	NA	6.6	126.1	187.7	NA	NA	3.7
1969	23.5	3.9	NA	9.1	122.3	191.5	NA	NA	NA
1970	27.1	5.5	NA	3.5	127.4	201.2	NA	NA	10.1
1971	21.3	17.1	NA	3.3	128.5	216.9	NA	NA	8.0
1972	23.0	13.5	NA	7.3	112.4	334.7	NA	NA	12.4
1973	22.2	8.4	NA	5.0	102.6	348.5	NA	NA	15.2
1974	22.2	18.4	NA	5.6	92.0	376.1	NA	NA	11.5
1975	27.2	8.3	NA	4.0	100.2	404.6	.0	NA	18.1
1976	25.7	10.7	NA	3.0	106.8	436.6	3.2	NA	14.9
1977	27.4	20.2	NA	7.2	113.7	491.0	3.8	NA	9.6
1978	34.3	24.9	NA	12.6	124.7	531.5	8.4	NA	16.4
1979	35.3	28.0	NA	11.1	137.2	587.8	6.5	NA	11.4
1980	38.8	38.6	NA	10.3	161.3	633.9	6.1	NA	19.1
1981	30.2	31.3	NA	12.8	173.9	616.8	7.0	NA	27.8
1982	21.5	50.4	NA	8.4	167.7	689.8	5.0	NA	11.7
1983	20.8	43.4	NA	6.4	189.4	759.1	4.7	NA	25.1
1984	32.2	56.3	NA	3.1	203.8	869.6	4.6	NA	13.2
1985	32.9	57.0	NA	3.4	237.3	1,011.1	4.9	NA	7.2
1986	40.9	44.3	NA	3.7	254.0	984.7	3.8	NA	13.3
1987	39.4	53.3	NA	8.3	293.7	988.2	3.9	NA	13.2
1988	39.1	48.5	NA	8.0	340.3	999.2	3.6	NA	21.3
1989	52.8	65.3	NA	6.5	436.5	1,207.6	4.3	NA	21.9
1990	57.8	47.4	NA	8.6	472.5	1,305.5	4.6	NA	39.2
1991	70.2	31.9	NA	5.8	537.0	1,439.2	5.4	NA	33.9
1992	67.6	27.6	NA	9.0	590.2	1,605.5	5.9	NA	36.4
1993	69.8	11.5	NA	6.2	604.0	1,616.6	4.8	NA	75.9
1994	63.8	12.8	NA	4.5	640.6	1,680.5	6.3	NA	57.5
1995	54.0	25.4	NA	5.9	710.2	1,733.1	6.0	NA	72.4
1996	43.4	20.0	9.8	5.8	684.1	1,738.1	3.8	.7	55.8
1997	57.6	11.7	16.9	4.6	729.2	1,816.8	5.1	.4	71.1
1998	65.9	10.0	19.9	6.2	790.8	1,975.2	5.2	5.0	38.1
1999	82.1	10.7	22.5	9.3	905.0	2,155.5	4.5	5.0	70.9
2000	87.9	15.9	19.2	13.8	857.6	2,334.4	5.0	6.0	66.0
2001	99.3	14.6	21.9	14.7	907.3	2,577.1	5.0	8.9	84.8
2002	96.4	18.9	25.0	8.3	1,081.8	2,758.4	4.2	7.5	69.1

See explanatory information, if any, and SOURCE at end of table.

TABLE B-2. Federal obligations for science and engineering (S&E) to universities and colleges, by type of activity and agency: fiscal years 1963--2002

(Dollars in millions)

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Fiscal year	Total	USDA	ARC	Com	DoD ¹	OEO	ED ¹	DOE ²	EPA	GSA	HHS ³	HUD
DoD research only ⁴												
1990	NA	NA	NA	NA	720.6	NA	NA	NA	NA	NA	NA	NA
1991	NA	NA	NA	NA	841.6	NA	NA	NA	NA	NA	NA	NA
1992	NA	NA	NA	NA	840.4	NA	NA	NA	NA	NA	NA	NA
1993	NA	NA	NA	NA	1,131.5	NA	NA	NA	NA	NA	NA	NA
1994	NA	NA	NA	NA	1,257.3	NA	NA	NA	NA	NA	NA	NA
1995	NA	NA	NA	NA	1,107.5	NA	NA	NA	NA	NA	NA	NA
1996	NA	NA	NA	NA	1,134.8	NA	NA	NA	NA	NA	NA	NA
1997	NA	NA	NA	NA	1,040.0	NA	NA	NA	NA	NA	NA	NA
1998	NA	NA	NA	NA	1,089.0	NA	NA	NA	NA	NA	NA	NA
1999	NA	NA	NA	NA	1,149.7	NA	NA	NA	NA	NA	NA	NA
2000	NA	NA	NA	NA	1,229.2	NA	NA	NA	NA	NA	NA	NA
2001	NA	NA	NA	NA	1,369.1	NA	NA	NA	NA	NA	NA	NA
2002	NA	NA	NA	NA	1,384.1	NA	NA	NA	NA	NA	NA	NA
DoD development only ⁴												
1990	NA	NA	NA	NA	476.3	NA	NA	NA	NA	NA	NA	NA
1991	NA	NA	NA	NA	482.7	NA	NA	NA	NA	NA	NA	NA
1992	NA	NA	NA	NA	475.5	NA	NA	NA	NA	NA	NA	NA
1993	NA	NA	NA	NA	456.9	NA	NA	NA	NA	NA	NA	NA
DoD advanced technology development ⁴												
1994	NA	NA	NA	NA	157.5	NA	NA	NA	NA	NA	NA	NA
1995	NA	NA	NA	NA	152.9	NA	NA	NA	NA	NA	NA	NA
1996	NA	NA	NA	NA	179.9	NA	NA	NA	NA	NA	NA	NA
1997	NA	NA	NA	NA	188.8	NA	NA	NA	NA	NA	NA	NA
1998	NA	NA	NA	NA	206.4	NA	NA	NA	NA	NA	NA	NA
1999	NA	NA	NA	NA	213.2	NA	NA	NA	NA	NA	NA	NA
2000	NA	NA	NA	NA	268.0	NA	NA	NA	NA	NA	NA	NA
2001	NA	NA	NA	NA	101.5	NA	NA	NA	NA	NA	NA	NA
2002	NA	NA	NA	NA	312.2	NA	NA	NA	NA	NA	NA	NA
DoD major systems development ⁴												
1994	NA	NA	NA	NA	187.2	NA	NA	NA	NA	NA	NA	NA
1995	NA	NA	NA	NA	350.4	NA	NA	NA	NA	NA	NA	NA
1996	NA	NA	NA	NA	286.1	NA	NA	NA	NA	NA	NA	NA
1997	NA	NA	NA	NA	290.6	NA	NA	NA	NA	NA	NA	NA
1998	NA	NA	NA	NA	250.5	NA	NA	NA	NA	NA	NA	NA
1999	NA	NA	NA	NA	323.8	NA	NA	NA	NA	NA	NA	NA
2000	NA	NA	NA	NA	334.2	NA	NA	NA	NA	NA	NA	NA
2001	NA	NA	NA	NA	481.3	NA	NA	NA	NA	NA	NA	NA
2002	NA	NA	NA	NA	360.6	NA	NA	NA	NA	NA	NA	NA

See explanatory information, if any, and SOURCE at end of table.

TABLE B-2. Federal obligations for science and engineering (S&E) to universities and colleges, by type of activity and agency: fiscal years 1963--2002

(Dollars in millions)

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Fiscal year	Total	USDA	ARC	Com	DoD ¹	OEO	ED ¹	DOE ²	EPA	GSA	HHS ³	HUD
R&D plant ¹												
1963	105.9	.0	NA	.0	.0	NA	NA	2.6	NA	NA	39.2	NA
1964	100.8	.0	NA	.0	.0	NA	NA	4.0	NA	NA	39.9	NA
1965	126.2	3.2	NA	.0	.0	NA	NA	3.8	NA	NA	54.8	NA
1966	114.8	2.0	NA	.0	.0	NA	NA	7.4	NA	NA	48.5	NA
1967	111.3	2.0	NA	.3	.0	NA	NA	13.8	NA	NA	38.1	NA
1968	96.1	1.9	NA	.2	.0	.0	NA	11.9	NA	NA	36.9	.0
1969	54.5	1.2	NA	.0	.0	.0	NA	11.4	NA	NA	20.5	.0
1970	44.8	1.1	NA	**	.0	.0	NA	7.1	NA	NA	20.0	.0
1971	29.9	.0	NA	.0	.0	.0	NA	4.8	.0	NA	15.2	.0
1972	36.9	.0	NA	.0	.0	.0	NA	4.1	.0	NA	22.2	.0
1973	43.3	.0	NA	.3	.0	.0	NA	5.6	.0	NA	26.7	.0
1974	29.0	.0	NA	.0	.0	.0	NA	4.2	.0	NA	14.5	.0
1975	44.8	.0	NA	.0	.0	NA	NA	4.2	.0	NA	22.9	.0
1976	23.9	.0	NA	1.0	.0	NA	NA	5.6	.0	NA	11.4	.0
1977	36.5	.0	NA	.0	.0	NA	NA	17.5	.0	NA	11.1	.0
1978	34.3	.0	NA	.0	.0	NA	NA	13.4	**	NA	9.9	.0
1979	32.1	.0	NA	.0	.0	NA	NA	9.1	.0	NA	7.5	.0
1980	37.8	.0	NA	.0	.0	NA	.0	20.6	.0	NA	4.4	.0
1981	27.7	.0	NA	.0	1.1	NA	.0	19.6	.0	NA	2.0	.0
1982	31.2	.0	NA	.0	.5	NA	.0	18.8	1.4	NA	5.4	.0
1983	37.5	9.6	NA	.0	.0	NA	.0	17.2	.1	NA	1.5	.0
1984	49.8	9.6	NA	.0	.0	NA	.0	29.5	.1	NA	.7	.0
1985	113.9	9.6	NA	.0	**	NA	.0	77.7	.1	NA	11.4	.0
1986	105.8	9.1	NA	1.2	.0	NA	1.8	73.0	.0	NA	4.2	.0
1987	229.9	65.4	NA	.1	.0	NA	49.2	102.9	.0	NA	4.2	.0
1988	202.9	68.0	NA	.0	.0	NA	1.3	127.7	.0	NA	.0	.0
1989	237.0	31.1	NA	1.2	57.9	NA	1.3	115.5	.0	NA	22.0	.0
1990	141.7	45.1	NA	.1	.0	NA	.0	57.2	.0	16.8	13.7	.0
1991	163.3	58.3	NA	.3	14.7	NA	2.1	41.4	.0	11.3	25.7	.0
1992	209.2	58.3	NA	.2	.0	NA	.4	63.7	.0	4.5	17.2	.0
1993	259.4	55.1	NA	.4	.0	NA	.0	120.2	.0	.0	10.6	.0
1994	216.6	38.9	NA	.3	.3	NA	.0	24.8	.0	.2	16.3	.0
1995	341.3	66.9	NA	2.0	5.8	NA	.0	15.5	.0	5.1	12.3	.0
1996	248.2	51.0	NA	.0	2.3	NA	.0	16.4	.0	.1	17.7	.0
1997	276.0	59.2	NA	3.7	12.3	NA	.0	13.1	.0	**	39.0	.0
1998	156.6	.0	.0	2.1	.4	NA	.0	11.8	.0	.0	21.4	.0
1999	172.7	.0	.0	3.3	**	NA	.0	9.5	.0	.0	31.8	.0
2000	239.6	.1	.0	.8	.0	NA	.0	7.4	.0	.0	75.0	.0
2001	399.0	.0	.0	12.6	.0	NA	.0	9.4	.0	.0	74.8	.0
2002	301.2	.0	.0	1.5	.3	NA	.0	8.5	.0	.0	97.5	.0

See explanatory information, if any, and SOURCE at end of table.

TABLE B-2. Federal obligations for science and engineering (S&E) to universities and colleges, by type of activity and agency: fiscal years 1963--2002

(Dollars in millions)

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Fiscal year	Int	AID	OJP	Labor	NASA ¹	NSF	NRC	SSA	DOT
R&D plant ¹									
1963	.1	NA	NA	NA	13.4	50.6	NA	NA	NA
1964	.0	NA	NA	NA	9.1	47.8	NA	NA	NA
1965	**	NA	NA	NA	8.4	56.0	NA	NA	NA
1966	.2	NA	NA	NA	7.4	49.3	NA	NA	NA
1967	.0	NA	NA	NA	5.0	52.1	NA	NA	NA
1968	.0	NA	NA	.0	.0	45.3	NA	NA	.0
1969	**	.0	NA	.0	.0	21.4	NA	NA	NA
1970	.0	.0	NA	.0	.0	16.5	NA	NA	.0
1971	.0	.0	NA	.0	.2	9.7	NA	NA	.0
1972	.0	.0	NA	.0	.6	10.0	NA	NA	.0
1973	.2	.0	NA	.0	3.0	7.4	NA	NA	.0
1974	.0	.0	NA	.0	.1	10.2	NA	NA	.0
1975	.0	.0	NA	.0	.1	17.6	.0	NA	.0
1976	.0	.0	NA	.0	.1	5.9	.0	NA	.0
1977	.0	.0	NA	.0	**	7.3	.0	NA	.5
1978	.0	.0	NA	.0	.0	11.0	.0	NA	**
1979	.0	.5	NA	.0	.2	14.7	.0	NA	.0
1980	.0	.0	NA	.0	.2	12.6	.0	NA	.0
1981	.0	.0	NA	.0	.1	4.9	.0	NA	.0
1982	.0	.0	NA	.0	.2	4.9	.0	NA	.0
1983	.0	.0	NA	.0	1.5	7.7	.0	NA	.0
1984	.0	.0	NA	.0	.3	9.7	.0	NA	.0
1985	.0	.0	NA	.0	.2	14.9	.0	NA	.0
1986	.0	.0	NA	.0	.4	16.0	.0	NA	.0
1987	.0	.0	NA	.0	.6	7.4	.0	NA	.0
1988	.0	.0	NA	.0	.6	5.4	.0	NA	.0
1989	.0	.0	NA	.0	1.2	6.7	.0	NA	.0
1990	.0	.0	NA	.0	1.3	7.5	.0	NA	.0
1991	.0	.0	NA	.0	.8	8.8	.0	NA	.0
1992	.0	.0	NA	.0	1.1	63.8	.0	NA	.0
1993	.0	.0	NA	.0	9.9	63.3	.0	NA	.0
1994	.1	.0	NA	.0	20.0	113.7	.0	NA	2.0
1995	.0	.0	NA	.1	15.8	216.8	.0	NA	1.1
1996	.0	.0	.0	.0	.0	159.6	.0	.0	1.2
1997	.0	.0	.0	.0	.7	146.2	.0	.0	1.7
1998	.0	.0	.0	.0	.0	120.7	.0	.0	.1
1999	.0	.0	.0	.0	4.1	122.7	.0	.0	1.1
2000	.0	.0	.0	.0	14.3	140.5	.0	.0	1.5
2001	.0	.0	.0	.0	66.9	232.1	.0	.0	3.2
2002	.0	.0	.0	.0	3.2	188.4	.0	.0	1.8

See explanatory information, if any, and SOURCE at end of table.

TABLE B-2. Federal obligations for science and engineering (S&E) to universities and colleges, by type of activity and agency: fiscal years 1963--2002

(Dollars in millions)

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Fiscal year	Total	USDA	ARC	Com	DoD ¹	OEO	ED ¹	DOE ²	EPA	GSA	HHS ³	HUD
Facilities for instruction in S&E												
1971 ⁵	28.7	.3	NA	.0	.0	.0	NA	2.3	.0	NA	13.9	.0
1972	26.3	.5	NA	.0	.0	.0	NA	1.9	.0	NA	20.9	.0
1973	13.4	.0	NA	.0	.0	.0	NA	2.3	.0	NA	9.4	.0
1974	3.5	.0	NA	.0	.0	.0	NA	.0	.0	NA	.4	.0
1975	5.0	.0	NA	.1	.0	NA	NA	.0	.0	NA	4.9	.0
1976	3.2	.0	NA	.3	.0	NA	NA	.0	.0	NA	.0	.0
1977	3.3	.0	NA	.0	.0	NA	NA	.4	.0	NA	.0	.0
1978	4.9	.0	NA	.0	.0	NA	NA	1.3	.0	NA	.0	.0
1979	6.7	.0	NA	.0	.0	NA	NA	3.5	.0	NA	.0	.0
1980	3.8	.0	NA	.0	.0	NA	.0	.9	.1	NA	.0	.0
1981	4.6	.0	NA	.0	.2	NA	.0	1.1	**	NA	.0	.0
1982	.8	.0	NA	.0	**	NA	.0	.8	.0	NA	.0	.0
1983	2.5	.0	NA	.0	**	NA	.0	2.3	.2	NA	.0	.0
1984	1.9	.0	NA	1.6	.3	NA	.0	.0	.0	NA	.0	.0
1985	4.9	.0	NA	.0	.0	NA	.0	.0	.0	NA	.0	.0
1986	5.0	.0	NA	.0	.0	NA	.0	.0	.0	NA	.0	.0
1987	13.7	.0	NA	.0	.0	NA	5.0	.0	.0	NA	.0	.0
1988	13.3	.0	NA	2.5	.0	NA	.0	.0	.0	NA	.0	.0
1989	16.9	.0	NA	1.6	.0	NA	.0	.0	.0	NA	.0	.0
1990	19.2	.0	NA	4.5	.0	NA	.0	.0	.0	.0	.0	.0
1991	32.8	.0	NA	4.7	.1	NA	.0	.0	.0	.0	.0	.0
1992	39.0	.5	NA	7.0	.0	NA	.0	1.3	.0	.0	.0	.0
1993	33.2	.9	NA	4.0	.0	NA	.0	.0	.0	.0	.0	.0
1994	48.7	.6	NA	3.3	21.8	NA	.0	.0	.0	.0	.0	.0
1995	51.6	.6	NA	3.3	29.8	NA	.0	.2	.0	.0	.0	.0
1996	49.0	.8	NA	11.0	18.7	NA	.0	.0	.0	.0	.0	.0
1997	29.9	.6	NA	1.0	11.9	NA	.0	.1	.0	.0	.0	.0
1998	22.8	.3	.0	8.8	.3	NA	.0	.0	.0	.0	.0	.0
1999	47.0	.7	.0	13.2	18.1	NA	.0	.0	.0	.0	.0	.0
2000	59.7	.7	.0	21.6	.1	NA	.0	.0	.0	.0	.1	.0
2001	67.4	.8	.0	16.5	.0	NA	.0	.0	.0	.0	.0	.0
2002	109.7	.5	.0	27.8	15.3	NA	.0	.0	.0	.0	24.2	.0

See explanatory information, if any, and SOURCE at end of table.

TABLE B-2. Federal obligations for science and engineering (S&E) to universities and colleges, by type of activity and agency: fiscal years 1963--2002

(Dollars in millions)

Page 9 of 17

Fiscal year	Int	AID	OJP	Labor	NASA ¹	NSF	NRC	SSA	DOT
Facilities for instruction in S&E									
1971 ⁵	.1	.0	NA	.0	.0	12.1	NA	NA	.0
1972	.0	.0	NA	.0	.0	3.0	NA	NA	.0
1973	.1	.0	NA	.0	.0	1.6	NA	NA	.0
1974	**	.0	NA	.0	.0	3.1	NA	NA	.0
1975	.0	.0	NA	.0	.0	**	.0	NA	.0
1976	.0	.0	NA	.0	.0	3.0	.0	NA	.0
1977	.0	.0	NA	.0	.0	2.9	.0	NA	.0
1978	**	.0	NA	.0	.0	3.5	.0	NA	.0
1979	.0	.0	NA	.0	.0	3.2	.0	NA	.0
1980	.0	.0	NA	.0	.0	2.8	.0	NA	.0
1981	.0	.0	NA	.0	.0	3.2	.0	NA	.0
1982	.0	.0	NA	.0	.0	.0	.0	NA	.0
1983	.0	.0	NA	.0	.0	.0	.0	NA	.0
1984	.0	.0	NA	.0	.0	.0	.0	NA	.0
1985	.0	.0	NA	.0	.0	4.8	.1	NA	.0
1986	.0	.0	NA	.0	.0	5.0	.0	NA	.0
1987	.0	.0	NA	.0	.0	8.7	.0	NA	.0
1988	.4	.0	NA	.0	.0	10.4	.0	NA	.0
1989	.0	.0	NA	.0	.0	15.3	.0	NA	.0
1990	.0	.0	NA	.0	.0	14.7	.0	NA	.0
1991	.0	.0	NA	.0	.0	21.8	.0	NA	6.2
1992	.0	.0	NA	.0	.0	21.2	.0	NA	9.0
1993	.0	.0	NA	.0	.0	21.2	.0	NA	7.1
1994	.0	.0	NA	.0	.0	20.2	.0	NA	2.8
1995	.0	.0	NA	.0	.0	17.7	.0	NA	.0
1996	.0	.2	.0	.0	.0	18.4	.0	.0	.0
1997	.0	.0	.0	.0	.0	16.3	.0	.0	.0
1998	.0	.0	.0	.0	.0	13.2	.0	.0	.3
1999	.0	.0	.0	.0	.0	14.6	.0	.0	.4
2000	.0	.0	.0	.0	.0	15.1	.0	.0	22.1
2001	.0	.0	.0	.0	.4	14.9	.0	.0	34.8
2002	.0	.0	.0	.0	.0	16.4	.0	.0	25.5

See explanatory information, if any, and SOURCE at end of table.

TABLE B-2. Federal obligations for science and engineering (S&E) to universities and colleges, by type of activity and agency: fiscal years 1963--2002

(Dollars in millions)

Page 10 of 17

Fiscal year	Total	USDA	ARC	Com	DoD ¹	OEO	ED ¹	DOE ²	EPA	GSA	HHS ³	HUD
Fellowships, traineeships, and training grants												
1966 ⁵	365.6	NA	NA	.0	NA	NA	NA	3.2	NA	NA	289.9	NA
1967	447.2	NA	NA	.0	NA	NA	NA	3.7	NA	NA	379.1	NA
1968	440.9	NA	NA	.0	NA	.0	NA	3.6	NA	NA	387.0	NA
1969	436.3	NA	NA	.0	NA	.0	NA	5.5	NA	NA	375.7	NA
1970	429.4	NA	NA	.0	NA	.0	NA	5.0	NA	NA	369.6	NA
1971	421.0	.0	NA	**	.0	.0	NA	2.6	10.1	NA	361.4	.0
1972	387.9	.0	NA	.4	.0	.0	NA	2.0	5.6	NA	346.6	.0
1973	287.2	.0	NA	.6	.0	.0	NA	2.3	9.2	NA	256.8	.0
1974	326.6	.0	NA	**	.0	0.7	NA	.5	6.8	NA	301.5	.0
1975	201.3	.0	NA	**	.0	NA	NA	.7	5.0	NA	181.7	.0
1976	174.9	.0	NA	.0	.0	NA	NA	.1	3.6	NA	155.6	.0
1977	184.7	.0	NA	.0	.0	NA	NA	.2	1.3	NA	165.9	.0
1978	205.9	.0	NA	.0	.0	NA	NA	.7	3.6	NA	184.2	.0
1979	204.9	.0	NA	.0	.0	NA	NA	1.9	4.5	NA	182.3	.0
1980	210.1	.0	NA	.0	.0	NA	.0	.0	4.5	NA	187.6	.0
1981	205.4	.0	NA	.0	.0	NA	.0	.0	2.4	NA	183.5	.0
1982	176.6	.0	NA	.0	.0	NA	.0	.3	2.5	NA	151.9	.0
1983	189.6	.2	NA	.2	.7	NA	.0	.2	2.6	NA	164.0	.0
1984	194.9	.2	NA	.1	.0	NA	.0	.6	1.8	NA	164.6	.0
1985	253.1	7.0	NA	.1	.8	NA	.0	.4	2.1	NA	210.9	.0
1986	246.2	4.7	NA	.0	.5	NA	.0	.5	2.8	NA	204.3	.0
1987	290.9	4.7	NA	.6	2.3	NA	11.8	.6	1.8	NA	232.5	.0
1988	309.3	4.6	NA	2.6	1.5	NA	13.5	.7	2.0	NA	239.3	.0
1989	340.5	4.6	NA	1.2	.1	NA	22.9	.9	8.3	NA	256.2	.0
1990	393.8	7.8	NA	.7	.1	NA	28.5	1.6	3.5	.0	288.9	.0
1991	469.3	10.9	NA	3.9	1.3	NA	53.9	6.7	8.0	.0	313.2	.0
1992	511.1	11.9	NA	4.0	2.7	NA	63.8	8.1	10.6	.0	320.3	.0
1993	526.3	10.8	NA	2.1	2.2	NA	57.7	13.8	8.1	.0	335.4	.0
1994	633.2	10.8	NA	4.7	25.9	NA	99.0	1.9	9.2	.0	387.7	.0
1995	674.5	15.7	NA	3.9	4.4	NA	96.3	2.9	15.8	.0	418.2	.0
1996	636.3	15.0	NA	4.9	7.4	NA	80.7	.5	13.7	.0	421.7	.0
1997	676.6	21.0	NA	6.2	8.6	NA	81.0	.0	15.2	.0	449.9	.0
1998	757.3	20.6	.0	3.3	8.1	NA	112.0	**	18.3	.0	491.3	.0
1999	843.7	16.7	.0	10.6	14.2	NA	114.2	.0	16.0	.0	559.2	.0
2000	782.8	40.8	.0	10.0	18.3	NA	34.4	.0	15.4	.0	569.8	.0
2001	842.5	53.6	.2	11.1	12.7	NA	33.4	**	20.2	.0	650.0	**
2002	936.9	30.0	.1	13.2	15.0	NA	37.1	.0	20.8	.0	700.1	.0

See explanatory information, if any, and SOURCE at end of table.

TABLE B-2. Federal obligations for science and engineering (S&E) to universities and colleges, by type of activity and agency: fiscal years 1963--2002

(Dollars in millions)

Page 11 of 17

Fiscal year	Int	AID	OJP	Labor	NASA ¹	NSF	NRC	SSA	DOT
Fellowships, traineeships, and training grants									
1966 ⁵	.0	NA	NA	NA	25.0	47.5	NA	NA	NA
1967	.0	NA	NA	NA	15.0	49.4	NA	NA	NA
1968	.0	NA	NA	.0	.9	49.4	NA	NA	.0
1969	.0	NA	NA	.0	1.3	53.8	NA	NA	NA
1970	.0	NA	NA	.0	2.1	52.7	NA	NA	.0
1971	**	.0	NA	.6	1.0	42.3	NA	NA	2.8
1972	.0	.0	NA	.0	1.1	28.8	NA	NA	3.5
1973	.0	.0	NA	.0	1.3	16.4	NA	NA	.7
1974	.0	.0	NA	.0	1.2	14.4	NA	NA	1.3
1975	.0	.0	NA	.0	1.3	9.7	.0	NA	2.7
1976	.0	.0	NA	.0	1.3	13.4	**	NA	.8
1977	.0	.0	NA	.0	1.4	14.8	.1	NA	.8
1978	3.2	.6	NA	.0	1.3	11.7	**	NA	.6
1979	.3	.0	NA	.0	1.8	14.1	.0	NA	.0
1980	1.4	.0	NA	.0	2.8	13.8	.0	NA	.0
1981	.9	.0	NA	.0	3.7	14.8	.1	NA	.0
1982	.0	.0	NA	.0	4.2	17.5	.0	NA	.4
1983	.0	.0	NA	.0	5.2	16.2	.0	NA	.3
1984	.0	.0	NA	.0	5.3	21.8	.0	NA	.4
1985	.0	.0	NA	.0	5.6	25.8	.0	NA	.4
1986	.0	.0	NA	.0	7.9	25.2	.0	NA	.2
1987	.0	.0	NA	.0	8.7	27.7	.0	NA	.2
1988	.0	.0	NA	**	15.8	29.2	.0	NA	.0
1989	.0	.0	NA	**	13.0	33.0	.0	NA	.2
1990	**	.0	NA	.0	21.7	41.0	.0	NA	.1
1991	.0	.0	NA	.0	36.3	34.5	.0	NA	.6
1992	.0	.0	NA	.1	40.4	46.1	.0	NA	3.0
1993	.0	.0	NA	.4	42.1	47.8	.0	NA	5.9
1994	**	.0	NA	.3	43.9	46.1	.0	NA	3.7
1995	.2	2.8	NA	.0	57.4	51.5	.0	NA	5.3
1996	.6	.3	.4	.0	37.7	49.6	.0	.0	3.8
1997	.5	.0	.0	.0	41.6	51.2	.0	.0	1.5
1998	**	.0	.0	.0	39.2	61.1	.0	.0	3.4
1999	.0	.0	.4	1.3	38.4	70.2	.0	.0	2.5
2000	.0	.0	.2	1.0	31.5	58.5	.0	.0	3.0
2001	.0	.0	.1	1.0	36.6	20.1	.0	.0	3.4
2002	.0	.0	**	.0	36.1	80.7	.0	.0	3.9

See explanatory information, if any, and SOURCE at end of table.

TABLE B-2. Federal obligations for science and engineering (S&E) to universities and colleges, by type of activity and agency: fiscal years 1963--2002

(Dollars in millions)

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Fiscal year	Total	USDA	ARC	Com	DoD ¹	OEO	ED ¹	DOE ²	EPA	GSA	HHS ³	HUD
General support for S&E												
1971 ⁵	99.7	.0	NA	.2	.0	.0	NA	.0	.0	NA	40.2	.0
1972	83.3	.0	NA	1.5	.0	.0	NA	.0	.0	NA	40.7	.0
1973	39.0	.0	NA	.0	.0	.0	NA	.0	.0	NA	20.2	.0
1974	87.0	.0	NA	.5	.0	.0	NA	.0	.0	NA	64.2	.0
1975	46.4	.0	NA	1.8	.0	NA	NA	.0	.0	NA	37.3	.0
1976	74.5	.0	NA	4.4	.0	NA	NA	.0	.0	NA	41.8	.0
1977	75.9	.0	NA	.0	.0	NA	NA	2.5	.0	NA	42.0	.0
1978	74.4	.0	NA	.0	.0	NA	NA	.3	.0	NA	45.0	.0
1979	92.5	4.7	NA	.0	.0	NA	NA	**	1.3	NA	52.8	.0
1980	91.5	.0	NA	.0	.0	NA	.0	5.6	.0	NA	60.1	.0
1981	92.7	.0	NA	.0	7.1	NA	.0	.0	.9	NA	60.0	.0
1982	80.1	.0	NA	.0	4.8	NA	.0	**	1.7	NA	61.3	2.0
1983	94.8	.0	NA	.0	3.2	NA	**	3.7	1.6	NA	73.6	.4
1984	112.6	.0	NA	20.3	3.7	NA	.0	.6	2.7	NA	83.9	.0
1985	119.2	.0	NA	**	1.8	NA	.0	.4	1.1	NA	112.5	.0
1986	111.1	.0	NA	**	2.1	NA	.0	.0	.0	NA	106.1	.0
1987	236.9	.0	NA	.0	5.9	NA	108.1	.0	4.3	NA	113.1	.0
1988	171.8	.0	NA	.0	2.5	NA	54.8	.2	.0	NA	109.0	.0
1989	197.7	.0	NA	.0	1.8	NA	80.2	.0	.0	NA	109.5	.0
1990	143.9	.0	NA	1.0	.0	NA	30.1	.5	3.1	.0	102.2	.0
1991	192.8	.0	NA	29.4	.0	NA	32.1	.2	3.5	.0	108.7	.0
1992	160.2	.9	NA	28.2	.0	NA	36.5	.0	4.0	.0	69.3	.0
1993	66.8	.8	NA	15.0	**	NA	4.0	.0	1.9	.0	26.6	.0
1994	136.6	.3	NA	43.1	2.8	NA	7.4	6.1	.9	.0	63.5	.0
1995	264.0	.0	NA	55.6	5.7	NA	6.2	15.5	.0	.0	58.7	.0
1996	219.0	.1	NA	64.3	1.3	NA	5.9	5.9	.0	.0	71.0	.0
1997	170.8	5.6	NA	63.2	1.2	NA	6.5	6.3	.0	.0	75.9	.0
1998	237.9	7.2	.0	53.4	1.5	NA	4.7	8.8	.0	.0	108.0	.0
1999	314.7	3.7	.0	94.8	.1	NA	7.3	8.5	.0	.0	138.7	.0
2000	314.2	9.1	.0	82.2	.1	NA	.0	.0	.0	.0	171.4	.0
2001	331.9	5.0	.0	76.9	1.8	NA	.0	.8	.0	.0	194.5	.0
2002	431.9	3.2	.0	78.2	4.5	NA	.0	.0	.0	.0	289.0	.0

See explanatory information, if any, and SOURCE at end of table.

TABLE B-2. Federal obligations for science and engineering (S&E) to universities and colleges, by type of activity and agency: fiscal years 1963--2002

(Dollars in millions)

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Fiscal year	Int	AID	OJP	Labor	NASA ¹	NSF	NRC	SSA	DOT
General support for S&E									
1971 ⁵	1.1	.0	NA	1.2	.0	56.9	NA	NA	.0
1972	1.2	5.2	NA	.0	.0	34.7	NA	NA	.0
1973	1.3	2.3	NA	.9	.0	14.2	NA	NA	.0
1974	1.6	1.5	NA	1.4	.0	17.8	NA	NA	.0
1975	1.6	4.2	NA	1.5	.0	.0	.0	NA	.0
1976	2.4	2.8	NA	1.5	.0	21.6	.0	NA	.0
1977	1.8	4.1	NA	.0	.0	24.8	.7	NA	.0
1978	5.0	.0	NA	.0	.0	23.8	.0	NA	.3
1979	4.4	.0	NA	.0	.0	29.3	.0	NA	.0
1980	2.3	.0	NA	.0	.0	23.2	.4	NA	.0
1981	3.1	.0	NA	.0	.0	21.0	.0	NA	.7
1982	6.8	.0	NA	.0	.0	3.5	.0	NA	.0
1983	11.2	.0	NA	.0	.0	1.2	.0	NA	.0
1984	.0	.0	NA	.0	.0	1.5	.0	NA	.0
1985	.3	.0	NA	.0	.0	3.0	.0	NA	.0
1986	.0	.0	NA	.0	.0	2.8	.0	NA	.0
1987	.0	.0	NA	.0	.0	5.5	.0	NA	.0
1988	2.1	.0	NA	.0	.0	3.4	.0	NA	.0
1989	3.3	.0	NA	.0	.0	2.9	.0	NA	.0
1990	2.7	.0	NA	.0	.0	4.3	.0	NA	.0
1991	12.5	.0	NA	.0	.0	6.4	.0	NA	.0
1992	12.1	.0	NA	.0	.0	7.7	.0	NA	1.5
1993	7.8	.0	NA	.0	.0	9.8	.0	NA	.8
1994	.2	.0	NA	.0	.0	12.1	.0	NA	.0
1995	.0	107.3	NA	.0	.0	14.9	.0	NA	.0
1996	.0	57.1	.0	.0	.0	13.3	.0	.0	.0
1997	.0	10.0	.0	.0	.0	2.2	.0	.0	.0
1998	.0	21.7	.0	.0	.0	1.2	.0	.0	31.5
1999	.0	17.5	.0	.0	.0	11.9	.0	.0	32.2
2000	.0	15.6	.0	**	.0	1.8	.0	.0	33.9
2001	.0	14.5	.0	.0	.0	4.2	.0	.0	34.1
2002	.0	14.2	.0	.0	.0	8.3	.0	.0	34.5

See explanatory information, if any, and SOURCE at end of table.

TABLE B-2. Federal obligations for science and engineering (S&E) to universities and colleges, by type of activity and agency: fiscal years 1963--2002

(Dollars in millions)

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Fiscal year	Total	USDA	ARC	Com	DoD ¹	OEO	ED ¹	DOE ²	EPA	GSA	HHS ³	HUD
Other S&E activities												
1963	393.1	63.4	NA	.3	.0	NA	NA	5.3	NA	NA	208.9	NA
1964	452.2	67.5	NA	.5	.0	NA	NA	5.4	NA	NA	244.6	NA
1965	595.0	73.3	NA	.6	.0	NA	NA	5.9	NA	NA	359.8	NA
1966	431.0	76.1	NA	.7	.0	NA	NA	3.1	NA	NA	263.4	NA
1967	464.0	78.8	NA	.7	.0	NA	NA	2.5	NA	NA	256.7	NA
1968	414.5	80.1	NA	1.0	.0	.0	NA	2.5	NA	NA	186.4	.7
1969	395.9	91.1	NA	.5	**	.0	NA	1.0	NA	NA	198.4	.1
1970	266.8	113.5	NA	.7	**	.0	NA	1.0	NA	NA	32.2	.0
1971	212.4	139.5	NA	.5	.0	.0	NA	.3	.0	NA	15.9	.0
1972	211.6	149.5	NA	.6	.0	.0	NA	.5	.0	NA	8.6	.0
1973	210.8	163.0	NA	2.7	.0	.0	NA	.8	.0	NA	8.0	.0
1974	205.7	164.0	NA	2.2	.0	.0	NA	.2	.0	NA	5.7	.0
1975	262.3	180.2	NA	1.7	.0	NA	NA	.1	.0	NA	15.3	.0
1976	252.2	204.4	NA	3.6	.0	NA	NA	.3	.0	NA	17.1	.0
1977	248.0	201.0	NA	.3	.0	NA	NA	.3	.0	NA	15.4	.0
1978	254.5	216.4	NA	.9	.0	NA	NA	.3	.0	NA	4.1	.0
1979	263.0	224.0	NA	1.5	.0	NA	NA	3.0	.1	NA	6.9	.0
1980	287.2	232.3	NA	1.2	.0	NA	.0	2.8	.0	NA	3.4	.0
1981	321.5	250.0	NA	.7	17.1	NA	.0	7.9	**	NA	5.3	.0
1982	336.4	273.2	NA	.8	38.2	NA	.0	3.1	.2	NA	3.6	**
1983	331.8	282.3	NA	.6	22.9	NA	.0	**	.5	NA	2.8	**
1984	500.1	324.7	NA	8.2	122.8	NA	.0	.7	**	NA	3.5	.0
1985	520.5	335.7	NA	1.4	149.5	NA	.0	.1	.0	NA	6.5	.0
1986	506.0	316.8	NA	.8	148.5	NA	.0	**	.0	NA	9.1	.0
1987	554.8	308.6	NA	.6	171.4	NA	21.4	.0	1.1	NA	10.3	.0
1988	719.6	347.9	NA	.5	179.3	NA	116.4	.0	.0	NA	9.6	.0
1989	759.9	349.9	NA	3.8	206.1	NA	96.6	.1	.0	NA	16.5	.0
1990	755.5	360.0	NA	6.8	145.2	NA	130.4	.0	.0	.0	19.2	.0
1991	957.4	389.4	NA	21.8	200.2	NA	171.6	.0	.1	.0	16.6	.0
1992	991.8	408.0	NA	22.9	192.6	NA	197.0	.0	.1	.0	19.2	.0

See explanatory information, if any, and SOURCE at end of table.

TABLE B-2. Federal obligations for science and engineering (S&E) to universities and colleges, by type of activity and agency: fiscal years 1963--2002

(Dollars in millions)

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Fiscal year	Int	AID	OJP	Labor	NASA ¹	NSF	NRC	SSA	DOT
Other S&E activities									
1963	**	NA	NA	NA	14.1	101.1	NA	NA	NA
1964	**	NA	NA	NA	20.2	113.9	NA	NA	NA
1965	**	NA	NA	NA	25.4	130.1	NA	NA	NA
1966	.2	NA	NA	NA	2.3	85.2	NA	NA	NA
1967	**	NA	NA	NA	2.4	122.8	NA	NA	NA
1968	.4	NA	NA	.0	2.8	140.5	NA	NA	**
1969	.9	.0	NA	.0	3.7	100.2	NA	NA	NA
1970	.6	.0	NA	.0	1.7	117.0	NA	NA	.0
1971	.0	2.0	NA	.1	4.2	49.9	NA	NA	.0
1972	.0	.0	NA	.0	4.9	47.5	NA	NA	.0
1973	.0	.0	NA	.4	4.5	31.4	NA	NA	.0
1974	.0	.0	NA	.0	5.7	27.9	NA	NA	.0
1975	.0	.0	NA	**	6.4	58.6	**	NA	.0
1976	.1	.0	NA	.0	10.7	16.0	.0	NA	.0
1977	.3	.0	NA	.0	5.9	24.9	.0	NA	.0
1978	.0	2.6	NA	.0	4.4	25.6	.0	NA	.2
1979	.0	.0	NA	.0	4.7	22.4	.4	NA	.0
1980	.0	.0	NA	.0	6.9	40.2	.5	NA	.0
1981	**	.0	NA	.0	5.7	34.4	.4	NA	**
1982	.0	.0	NA	.0	4.8	12.4	.0	NA	.0
1983	**	.0	NA	.0	7.8	14.8	.0	NA	.0
1984	.0	.0	NA	**	7.1	33.0	.0	NA	.0
1985	.0	.0	NA	**	7.9	19.0	.3	NA	**
1986	.0	.0	NA	.0	7.9	22.9	.0	NA	**
1987	.0	.0	NA	.0	6.9	32.7	.0	NA	1.8
1988	.0	.0	NA	.0	7.8	55.3	.0	NA	2.9
1989	.0	.0	NA	.0	12.0	71.8	.0	NA	3.1
1990	.0	.0	NA	.0	17.5	73.0	.0	NA	3.3
1991	.1	.0	NA	.0	22.1	132.1	.0	NA	3.5
1992	.0	.0	NA	.0	56.5	87.2	.0	NA	8.3

See explanatory information, if any, and SOURCE at end of table.

TABLE B-2. Federal obligations for science and engineering (S&E) to universities and colleges, by type of activity and agency: fiscal years 1963--2002

(Dollars in millions)

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Fiscal year	Total	USDA	ARC	Com	DoD ¹	OEO	ED ¹	DOE ²	EPA	GSA	HHS ³	HUD
Other S&E activities												
1993	923.9	412.6	NA	29.9	244.9	NA	.0	.0	.1	.0	40.5	.0
1994	934.0	419.9	NA	27.3	237.5	NA	15.3	.0	.0	.0	20.2	.0
1995	948.8	423.2	NA	16.1	195.6	NA	17.9	.0	.0	.0	35.3	.0
1996	951.7	413.6	NA	15.7	155.2	NA	20.1	.2	.0	.0	39.0	.0
1997	923.3	408.3	NA	31.1	159.4	NA	19.5	.1	.0	.0	31.1	.0
1998	1,042.4	410.0	.0	36.7	153.4	NA	27.6	.4	.0	.0	36.4	.0
1999	1,110.0	423.6	.0	48.8	82.1	NA	96.3	.4	.0	.0	41.5	.0
2000	1,191.1	466.7	.0	52.9	156.6	NA	81.9	.0	.0	.0	44.8	.0
2001	1,460.6	477.4	.0	98.1	189.8	NA	83.0	.0	.0	.0	21.4	.0
2002	1,496.5	449.9	.0	61.9	224.8	NA	77.6	.0	.0	.0	28.2	.0

See explanatory information, if any, and SOURCE at end of table.

TABLE B-2. Federal obligations for science and engineering (S&E) to universities and colleges, by type of activity and agency: fiscal years 1963--2002

(Dollars in millions)

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Fiscal year	Int	AID	OJP	Labor	NASA ¹	NSF	NRC	SSA	DOT
Other S&E activities									
1993	.0	.0	NA	**	75.7	111.2	.0	NA	9.0
1994	.2	.0	NA	**	41.7	170.8	.0	NA	1.0
1995	.3	32.1	NA	.0	49.5	177.3	.0	NA	1.5
1996	.6	30.2	.0	.0	49.0	226.7	.0	.0	1.4
1997	.1	4.5	.0	.0	52.8	215.7	.0	.0	.7
1998	.0	2.2	.0	.0	94.1	279.6	.0	.0	1.9
1999	.0	1.8	.0	.0	91.1	324.3	.0	.0	**
2000	.0	2.1	.0	.0	112.5	273.5	.0	.0	.0
2001	.0	1.9	.0	.0	116.1	472.7	.0	.0	.0
2002	.0	1.2	.0	.0	123.1	529.8	.0	.0	**

¹ See Technical Notes, "Changes in Reporting."

² Data shown for fiscal years (FYs) 1963--74 and FYs 1975--77 represent obligations of the Atomic Energy Commission and the Energy Research and Development Administration, respectively.

³ Data shown for FYs 1963--79 represent obligations of the Department of Health, Education, and Welfare.

⁴ Beginning with FY 1990, the Department of Defense (DoD) research is reported separately from DoD development. DoD states that more than 90 percent of its development obligations reported for universities and colleges are performed at university-administered laboratories that are separate from the academic departments. Furthermore, DoD states that much of its development obligations are for major systems development, that such obligations differ from its obligations for advanced technology development, and that DoD total development obligations are therefore not comparable with development obligations at other Federal agencies. Refer to table B-17 for DoD obligations to individual institutions, by research and development breakdowns.

⁵ Data collected before this year are not separately identified but are included under "Other S&E activities."

USDA = Department of Agriculture; ARC = Appalachian Regional Commission; Com = Department of Commerce; DoD = Department of Defense; OEO = Office of Economic Opportunity; ED = Department of Education; DOE = Department of Energy; EPA = Environmental Protection Agency; GSA = General Services Administration; HHS = Department of Health and Human Services; HUD = Department of Housing and Urban Development; Int = Department of the Interior; AID = Agency for International Development; OJP = Office of Justice Programs; Labor = Department of Labor; NASA = National Aeronautics and Space Administration; NSF = National Science Foundation; NRC = Nuclear Regulatory Commission; SSA = Social Security Administration; DOT = Department of Transportation; NA = Not available; ** = Amount less than \$50,000.

NOTES: Some trend shifts are related to institutional reclassification. Beginning in FY 1978, two laboratories that were formerly considered academically administered federally funded research and development centers became part of their respective institutions: Applied Physics Laboratory (Johns Hopkins University) and Applied Research Laboratory (Pennsylvania State University). Data for these laboratories are included in the academic figures beginning in FY 1978. Similarly, Draper Laboratories separated from the Massachusetts Institute of Technology (MIT) as of FY 1974 to become an independent nonprofit institution; data for this laboratory are included in MIT's figures prior to FY 1974. Because of rounding, detail may not add to totals.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Science and Engineering Support to Universities, Colleges, and Nonprofit Institutions, Fiscal Year 2002.