

Table E-4. Employed U.S. scientists and engineers, by highest degree attained, broad occupation, age, and employment sector: 1995

Highest degree, occupation, and age	Employed S&Es, total	Sector of employment			
		Business/industry	4-yr. College/university	Other educational institution	Government
All degree levels¹					
All occupations, total²	10,114,500	6,893,100	876,700	960,600	1,384,100
<30	1,320,600	898,100	163,900	108,700	149,900
30-39	2,965,200	2,159,400	250,000	182,400	373,500
40-49	3,423,300	2,283,100	247,800	371,000	521,400
50-59	1,720,600	1,076,000	147,400	234,800	262,400
60+	684,700	476,500	67,700	63,600	76,900
S&E occupations, total	3,185,600	2,175,100	453,900	112,500	444,100
<30	430,900	284,700	89,400	9,100	47,700
30-39	1,124,000	825,000	135,600	21,700	141,800
40-49	954,500	645,000	117,000	41,500	151,000
50-59	482,000	298,500	76,800	28,400	78,400
60+	194,100	122,000	35,000	11,900	25,200
Scientists, total	1,846,600	1,112,900	387,500	104,600	241,600
<30	248,200	143,700	72,600	8,600	23,300
30-39	630,800	428,600	115,300	20,000	67,000
40-49	601,700	361,800	103,200	39,400	97,300
50-59	274,300	137,600	66,300	26,800	43,700
60+	91,600	41,200	30,100	9,800	10,400
Computer/math scientists, total	949,500	734,400	88,200	35,700	91,100
<30	118,100	92,400	15,300	2,300	8,000
30-39	372,600	311,300	28,300	7,300	25,700
40-49	316,100	239,000	25,900	13,600	37,500
50-59	117,300	79,500	13,300	8,700	15,800
60+	25,400	12,100	5,400	3,900	4,000
Life/related scientists, total	305,300	94,000	133,200	15,800	62,300
<30	44,700	14,000	24,200	2,400	4,200
30-39	94,100	32,300	40,400	2,800	18,600
40-49	99,400	31,000	36,800	5,500	26,000
50-59	49,600	11,800	22,100	3,900	11,700
60+	17,500	4,800	9,700	1,200	1,700
Physical/related scientists, total ...	274,300	150,700	70,300	9,300	44,000
<30	41,200	20,300	15,900	300	4,700
30-39	93,700	55,900	23,100	2,000	12,700
40-49	74,600	42,800	14,300	2,600	14,900
50-59	44,900	21,000	11,300	3,400	9,100
60+	19,900	10,600	5,700	1,000	2,600
Social/related scientists, total	317,500	133,900	95,800	43,700	44,200
<30	44,200	17,000	17,200	3,700	6,400
30-39	70,400	29,000	23,600	7,900	9,900
40-49	111,600	49,000	26,200	17,600	18,800
50-59	62,600	25,200	19,500	10,800	7,000
60+	28,700	13,600	9,300	3,700	2,100

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

Table E-4. Employed U.S. scientists and engineers, by highest degree attained, broad occupation, age, and employment sector: 1995

Highest degree, occupation, and age	Employed S&Es, total	Sector of employment			
		Business/industry	4-yr. College/university	Other educational institution	Government
All degree levels¹ — continued					
Engineers, total	1,339,000	1,062,200	66,400	7,900	202,500
<30	182,700	141,000	16,800	500	24,400
30-39	493,200	396,400	20,300	1,700	74,800
40-49	352,800	283,100	13,900	2,100	53,700
50-59	207,600	160,900	10,500	1,500	34,700
60+	102,600	80,800	4,900	2,100	14,800
Non-S&E occupations, total	6,928,900	4,717,900	422,900	848,100	940,000
<30	889,700	613,400	74,400	99,700	102,200
30-39	1,841,100	1,334,400	114,400	160,700	231,700
40-49	2,468,900	1,638,100	130,800	329,500	370,400
50-59	1,238,700	777,600	70,600	206,500	184,000
60+	490,600	354,500	32,700	51,800	51,600
Managers/administrators	1,963,200	1,449,300	88,100	101,100	324,700
<30	140,000	109,500	7,700	3,800	19,100
30-39	474,500	388,800	15,500	12,100	58,100
40-49	766,500	553,600	32,300	41,400	139,200
50-59	440,400	293,200	24,400	34,700	88,100
60+	141,800	104,200	8,200	9,100	20,300
Other non-S&E occupations	4,965,700	3,268,600	334,800	747,000	615,300
<30	749,700	503,900	66,700	95,900	83,100
30-39	1,366,700	945,500	98,900	148,600	173,600
40-49	1,702,300	1,084,500	98,500	288,100	231,300
50-59	798,200	484,400	46,200	171,700	95,900
60+	348,800	250,300	24,500	42,700	31,300
Bachelor's					
All occupations, total²	5,926,700	4,368,700	288,700	421,100	848,300
<30	1,118,700	778,600	119,600	89,800	130,700
30-39	1,838,000	1,422,300	75,300	96,900	243,600
40-49	1,833,500	1,317,400	63,900	146,900	305,300
50-59	794,400	576,000	19,900	68,300	130,200
60+	342,100	274,400	10,000	19,200	38,500
S&E occupations, total	1,845,800	1,413,700	123,100	29,600	279,400
<30	347,800	238,000	63,600	6,100	40,100
30-39	690,400	560,500	30,500	7,000	92,400
40-49	498,200	377,400	18,300	10,500	92,000
50-59	212,000	161,200	6,800	4,400	39,600
60+	97,400	76,500	3,800	1,600	15,400
Scientists, total	937,500	676,300	101,700	26,500	133,000
<30	198,600	120,300	53,300	5,700	19,400
30-39	350,200	280,300	26,400	6,000	37,600
40-49	274,600	196,700	14,700	9,900	53,300
50-59	90,400	63,100	4,600	4,000	18,700
60+	23,700	16,100	2,700	900	4,000

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

Table E-4. Employed U.S. scientists and engineers, by highest degree attained, broad occupation, age, and employment sector: 1995

Highest degree, occupation, and age	Employed S&Es, total	Sector of employment			
		Business/industry	4-yr. College/university	Other educational institution	Government
Bachelor's — continued					
Computer/math scientists, total	625,500	518,300	31,900	13,900	61,400
<30	96,300	78,400	9,500	1,600	6,800
30-39	259,600	226,200	11,300	3,500	18,700
40-49	194,900	157,700	6,900	5,400	24,900
50-59	63,700	49,500	2,800	2,500	8,900
60+	11,000	6,600	1,400	800	2,100
Life/related scientists, total	122,200	46,900	35,900	5,400	33,900
<30	38,000	11,500	20,900	1,700	3,900
30-39	34,600	16,500	8,000	1,000	9,200
40-49	35,500	13,200	5,100	2,200	15,000
50-59	11,600	4,000	1,500	600	5,600
60+	2,500	1,800	400	S	300
Physical/related scientists, total ...	128,300	84,000	18,400	2,200	23,700
<30	33,000	17,500	11,400	100	4,000
30-39	45,800	32,500	5,400	800	7,100
40-49	30,200	20,300	1,200	600	8,100
50-59	12,000	8,100	100	600	3,200
60+	7,300	5,600	200	100	1,300
Social/related scientists, total	61,500	27,100	15,500	5,000	13,900
<30	31,300	12,900	11,400	2,200	4,800
30-39	10,200	5,200	1,700	700	2,600
40-49	14,100	5,500	1,500	1,800	5,300
50-59	3,000	1,500	200	300	1,000
60+	3,000	2,100	700	S	300
Engineers, total	908,300	737,400	21,400	3,100	146,400
<30	149,200	117,800	10,300	400	20,700
30-39	340,200	280,200	4,200	1,000	54,800
40-49	223,700	180,800	3,700	600	38,600
50-59	121,600	98,100	2,200	400	20,900
60+	73,700	60,500	1,100	700	11,400
Non-S&E occupations, total	4,080,900	2,955,000	165,600	391,400	568,900
<30	770,900	540,600	56,000	83,700	90,600
30-39	1,147,600	861,800	44,800	89,900	151,200
40-49	1,335,300	940,000	45,600	136,400	213,300
50-59	582,400	414,800	13,100	63,900	90,600
60+	244,700	197,900	6,100	17,500	23,200
Managers/administrators	1,095,200	872,100	29,400	25,800	168,000
<30	117,100	91,700	5,600	3,300	16,500
30-39	298,100	252,300	7,500	5,100	33,100
40-49	403,400	306,200	11,900	11,000	74,300
50-59	202,200	158,700	2,400	4,200	36,900
60+	74,500	63,100	2,100	2,100	7,200

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

Table E-4. Employed U.S. scientists and engineers, by highest degree attained, broad occupation, age, and employment sector: 1995

Highest degree, occupation, and age	Employed S&Es, total	Sector of employment			
		Business/industry	4-yr. College/university	Other educational institution	Government
Bachelor's — continued					
Other non-S&E occupations	2,985,800	2,083,000	136,200	365,700	400,900
<30	653,900	448,900	50,400	80,400	74,200
30-39	849,600	609,400	37,300	84,700	118,100
40-49	931,900	633,800	33,700	125,400	139,000
50-59	380,200	256,100	10,800	59,700	53,700
60+	170,200	134,800	4,000	15,400	15,900
Master's					
All occupations, total²	2,656,800	1,610,700	204,600	464,000	377,500
<30	150,800	92,500	27,900	15,000	15,400
30-39	706,700	475,200	66,900	73,200	91,400
40-49	1,017,100	608,500	61,900	194,200	152,600
50-59	594,500	319,700	35,000	144,500	95,300
60+	187,600	114,900	13,000	37,000	22,700
S&E occupations, total	891,600	595,900	106,200	66,300	123,200
<30	74,200	43,900	20,500	2,800	7,000
30-39	304,800	212,200	40,500	11,800	40,400
40-49	302,100	208,000	27,100	24,500	42,600
50-59	161,500	100,600	13,700	19,400	27,700
60+	49,000	31,100	4,500	7,800	5,500
Scientists, total	532,900	312,500	85,500	62,200	72,700
<30	43,100	21,900	15,000	2,700	3,500
30-39	177,200	111,500	32,500	11,100	22,100
40-49	193,400	117,500	23,500	23,100	29,200
50-59	91,500	46,900	10,800	18,600	15,200
60+	27,600	14,700	3,600	6,600	2,700
Computer/math scientists, total	267,200	191,500	30,100	19,400	26,100
<30	20,700	13,800	5,000	600	1,300
30-39	95,000	75,200	10,000	3,500	6,300
40-49	101,600	73,000	9,900	6,900	11,800
50-59	39,800	24,800	3,600	5,700	5,700
60+	10,100	4,800	1,600	2,600	1,000
Life/related scientists, total	63,700	21,100	18,900	7,200	16,500
<30	5,000	2,000	2,200	500	300
30-39	22,800	7,700	7,500	1,200	6,300
40-49	22,300	8,000	5,900	2,400	6,000
50-59	11,500	2,700	2,600	2,700	3,400
60+	2,200	600	600	400	400
Physical/related scientists, total ...	67,200	35,700	14,500	5,100	11,800
<30	6,100	2,300	3,100	200	600
30-39	24,700	13,100	6,700	700	4,100
40-49	20,200	12,300	2,500	1,600	3,800
50-59	12,300	5,600	1,700	2,000	3,000
60+	3,900	2,400	500	700	400

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Highest degree, occupation, and age	Employed S&Es, total	Sector of employment			
		Business/industry	4-yr. College/university	Other educational institution	Government
Master's — continued					
Social/related scientists, total	134,900	64,200	22,000	30,400	18,300
<30	11,400	3,800	4,800	1,400	1,400
30-39	34,800	15,500	8,300	5,700	5,300
40-49	49,300	24,300	5,200	12,100	7,700
50-59	27,900	13,800	2,800	8,300	3,100
60+	11,500	6,900	900	2,900	800
Engineers, total	358,700	283,400	20,700	4,200	50,500
<30	31,000	22,000	5,500	100	3,500
30-39	127,600	100,800	7,900	600	18,300
40-49	108,700	90,400	3,500	1,500	13,400
50-59	70,000	53,700	3,000	800	12,500
60+	21,400	16,400	900	1,200	2,900
Non-S&E occupations, total	1,765,200	1,014,900	98,400	397,600	254,300
<30	76,700	48,600	7,400	12,300	8,400
30-39	401,900	262,900	26,400	61,500	51,000
40-49	715,000	400,500	34,800	169,700	110,100
50-59	433,000	219,100	21,300	125,100	67,600
60+	138,600	83,800	8,500	29,100	17,200
Managers/administrators	697,100	479,900	28,200	59,700	129,300
<30	21,600	16,400	2,100	500	2,600
30-39	154,000	118,800	5,700	6,000	23,500
40-49	296,900	208,500	10,600	24,200	53,600
50-59	177,900	105,200	8,900	24,300	39,600
60+	46,800	31,100	900	4,700	10,000
Other non-S&E occupations	1,068,100	535,000	70,300	337,900	125,000
<30	55,100	32,200	5,300	11,800	5,800
30-39	247,900	144,100	20,800	55,500	27,500
40-49	418,100	192,000	24,200	145,400	56,400
50-59	255,100	113,900	12,400	100,800	28,000
60+	91,800	52,700	7,600	24,400	7,200
Doctorate					
All occupations, total ²	689,900	278,600	294,700	54,100	62,600
<30	15,100	5,000	6,500	2,900	800
30-39	156,600	67,800	71,800	6,800	10,200
40-49	238,400	98,700	96,000	19,500	24,200
50-59	198,400	75,000	84,200	18,300	20,800
60+	81,400	32,100	36,200	6,400	6,700
S&E occupations, total	417,100	153,800	211,700	14,100	37,600
<30	8,500	2,700	5,000	200	600
30-39	119,100	48,300	60,300	2,200	8,300
40-49	142,700	54,800	68,000	5,600	14,300
50-59	103,800	35,200	53,700	4,300	10,600
60+	43,000	12,900	24,600	1,800	3,800

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Table E-4. Employed U.S. scientists and engineers, by highest degree attained, broad occupation, age, and employment sector: 1995

Highest degree, occupation, and age	Employed S&Es, total	Sector of employment			
		Business/industry	4-yr. College/university	Other educational institution	Government
Doctorate — continued					
Scientists, total	347,500	114,100	187,500	13,500	32,500
<30	6,200	1,600	3,900	200	400
30-39	94,500	33,500	52,100	2,100	6,800
40-49	123,100	43,500	61,400	5,500	12,800
50-59	87,900	26,200	48,400	4,000	9,300
60+	35,900	9,300	21,600	1,600	3,300
Computer/math scientists, total	53,700	21,800	26,100	2,400	3,300
<30	1,100	200	900	S	S
30-39	16,100	8,100	7,000	300	700
40-49	18,900	7,800	9,000	1,300	800
50-59	13,600	5,100	6,900	400	1,200
60+	4,100	700	2,400	400	600
Life/related scientists, total	102,300	22,900	67,100	2,400	9,900
<30	1,700	500	1,000	200	S
30-39	31,300	7,600	20,700	400	2,600
40-49	36,300	8,900	22,700	1,000	3,900
50-59	23,500	4,100	16,200	600	2,600
60+	9,500	1,800	6,600	200	900
Physical/related scientists, total ...	78,700	30,900	37,400	1,900	8,400
<30	2,000	500	1,400	S	200
30-39	23,200	10,400	11,000	400	1,500
40-49	24,300	10,200	10,600	500	3,100
50-59	20,500	7,300	9,500	800	2,800
60+	8,700	2,600	5,000	200	900
Social/related scientists, total	112,800	38,400	56,900	6,700	10,900
<30	1,400	400	700	S	200
30-39	24,000	7,400	13,500	1,000	2,000
40-49	43,600	16,600	19,100	2,800	5,000
50-59	30,300	9,700	15,800	2,100	2,800
60+	13,600	4,200	7,700	800	900
Engineers, total	69,600	39,700	24,300	600	5,000
<30	2,300	1,100	1,100	S	100
30-39	24,600	14,800	8,200	100	1,500
40-49	19,700	11,400	6,700	100	1,500
50-59	15,900	8,900	5,300	300	1,300
60+	7,100	3,500	3,000	100	500
Non-S&E occupations, total	272,800	124,800	82,900	40,000	25,000
<30	6,600	2,300	1,400	2,700	200
30-39	37,500	19,500	11,500	4,600	1,900
40-49	95,700	43,900	28,000	14,000	9,900
50-59	94,600	39,900	30,500	14,100	10,200
60+	38,300	19,200	11,500	4,700	2,900

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

Table E-4. Employed U.S. scientists and engineers, by highest degree attained, broad occupation, age, and employment sector: 1995

Highest degree, occupation, and age	Employed S&Es, total	Sector of employment			
		Business/industry	4-yr. College/university	Other educational institution	Government
Doctorate — continued					
Managers/administrators	119,400	63,800	26,800	12,200	16,600
<30	900	900	S	S	S
30-39	12,100	8,300	2,000	1,000	900
40-49	43,300	25,700	8,000	3,500	6,200
50-59	48,300	22,700	12,700	5,500	7,300
60+	14,800	6,300	4,100	2,200	2,200
Other non-S&E occupations	153,300	61,000	56,100	27,800	8,400
<30	5,700	1,400	1,400	2,700	200
30-39	25,500	11,300	9,500	3,600	1,000
40-49	52,400	18,200	20,000	10,500	3,700
50-59	46,300	17,200	17,800	8,500	2,800
60+	23,500	13,000	7,400	2,500	700

1 Includes professional degrees
 2 Total excludes 49,100 individuals who reported never having worked.

NOTES: The term "Scientists and Engineers" (S&Es) includes all persons who have ever received a bachelor's degree or higher in a science or engineering (S&E) field, plus persons holding a non-S&E bachelor's or higher degree who were employed in a S&E occupation during either the 1993 or 1995 SESTAT surveys. Figures are rounded to nearest hundred. Details may not add to total because of rounding.

KEY: S = Suppressed for reasons of confidentiality and/or data reliability

SOURCE: National Science Foundation/Science Resources Studies Division, 1995 SESTAT (Scientists and Engineers Statistical Data System)