

**Table E-3. Employed U.S. scientists and engineers, by highest degree attained, broad occupation, sex, and employment sector: 1995**

Highest degree, occupation, and sex	Employed S&Es, total	Business/industry				Educational institution			Government		
		Total	Profit	Self-employed	Non-profit	Total	4 yr. College/university	Other	Total	Federal	State/local
<b>All degree levels<sup>1</sup></b>											
<b>All occupations, total<sup>2</sup></b> .....	10,114,500	6,893,100	5,565,100	762,800	565,200	1,837,300	876,700	960,600	1,384,100	584,400	799,700
Male .....	6,834,200	4,949,900	4,133,100	555,400	261,400	927,000	532,800	394,200	957,300	446,700	510,500
Female .....	3,280,300	1,943,100	1,431,900	207,400	303,800	910,400	343,900	566,400	426,800	137,600	289,200
<b>S&amp;E occupations, total</b> .....	3,185,600	2,175,100	1,970,300	113,800	91,000	566,300	453,900	112,500	444,100	252,400	191,700
Male .....	2,472,100	1,744,800	1,614,400	77,500	52,900	377,700	317,900	59,800	349,600	204,900	144,700
Female .....	713,500	430,300	355,900	36,300	38,100	188,700	136,000	52,600	94,500	47,500	47,000
<b>Scientists, total</b> .....	1,846,600	1,112,900	955,000	80,000	77,900	492,100	387,500	104,600	241,600	135,800	105,800
Male .....	1,248,100	766,000	679,900	45,500	40,700	309,700	257,500	52,200	172,400	102,100	70,200
Female .....	598,500	346,900	275,100	34,600	37,200	182,400	130,000	52,300	69,200	33,600	35,600
<b>Computer/math scientists, total</b> ....	949,500	734,400	683,200	23,600	27,600	123,900	88,200	35,700	91,100	53,300	37,900
Male .....	674,500	529,900	495,600	17,500	16,900	78,800	58,500	20,300	65,800	41,500	24,300
Female .....	275,000	204,500	187,600	6,200	10,700	45,200	29,700	15,400	25,300	11,700	13,600
<b>Life/related scientists, total</b> .....	305,300	94,000	75,600	7,400	11,000	149,000	133,200	15,800	62,300	37,700	24,600
Male .....	199,400	59,100	48,400	5,300	5,400	93,700	85,000	8,700	46,600	27,700	18,900
Female .....	105,900	34,900	27,200	2,100	5,600	55,400	48,300	7,100	15,700	10,000	5,700
<b>Physical/related scientists, total</b> ...	274,300	150,700	138,600	6,500	5,600	79,600	70,300	9,300	44,000	27,600	16,400
Male .....	215,200	117,500	106,800	6,200	4,500	64,000	57,500	6,500	33,700	21,200	12,600
Female .....	59,100	33,200	31,800	300	1,100	15,600	12,900	2,700	10,200	6,500	3,800
<b>Social/related scientists, total</b> .....	317,500	133,900	57,600	42,600	33,700	139,500	95,800	43,700	44,200	17,100	27,000
Male .....	159,000	59,600	29,100	16,500	13,900	73,200	56,600	16,700	26,100	11,700	14,500
Female .....	158,500	74,300	28,500	26,000	19,800	66,200	39,200	27,100	18,000	5,500	12,600
<b>Engineers, total</b> .....	1,339,000	1,062,200	1,015,300	33,800	13,200	74,300	66,400	7,900	202,500	116,600	85,900
Male .....	1,224,000	978,800	934,500	32,000	12,200	68,000	60,400	7,600	177,200	102,700	74,500
Female .....	115,000	83,400	80,700	1,800	900	6,300	6,000	300	25,300	13,900	11,400
<b>Non-S&amp;E occupations, total</b> .....	6,928,900	4,717,900	3,594,800	649,000	474,200	1,271,000	422,900	848,100	940,000	332,000	608,000
Male .....	4,362,100	3,205,100	2,518,700	477,900	208,500	549,300	214,900	334,300	607,700	241,900	365,800
Female .....	2,566,800	1,512,800	1,076,100	171,000	265,700	721,700	207,900	513,800	332,300	90,100	242,100

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

**Table E-3. Employed U.S. scientists and engineers, by highest degree attained, broad occupation, sex, and employment sector: 1995**

Highest degree, occupation, and sex	Employed S&Es, total	Business/industry				Educational institution			Government		
		Total	Profit	Self-employed	Non-profit	Total	4 yr. College/university	Other	Total	Federal	State/local
<b>All degree levels<sup>1</sup> — continued</b>											
<b>Managers/administrators</b> .....	1,963,200	1,449,300	1,244,200	80,200	125,000	189,100	88,100	101,100	324,700	139,900	184,800
Male .....	1,440,400	1,100,600	975,100	61,400	64,200	107,100	49,000	58,100	232,700	110,000	122,700
Female .....	522,800	348,700	269,100	18,800	60,800	82,100	39,100	43,000	92,000	29,900	62,100
<b>Other non-S&amp;E occupations</b> .....	4,965,700	3,268,600	2,350,600	568,800	349,200	1,081,800	334,800	747,000	615,300	192,100	423,200
Male .....	2,921,700	2,104,500	1,543,700	416,500	144,300	442,200	166,000	276,200	375,000	131,800	243,200
Female .....	2,044,000	1,164,100	807,000	152,200	204,900	639,600	168,800	470,800	240,300	60,200	180,000
<b>Bachelor's</b>											
<b>All occupations, total<sup>2</sup></b> .....	5,926,700	4,368,700	3,713,600	366,800	288,400	709,700	288,700	421,100	848,300	347,600	500,600
Male .....	3,944,300	3,071,500	2,693,600	263,900	114,000	288,100	138,900	149,200	584,700	262,800	321,900
Female .....	1,982,500	1,297,300	1,020,000	102,900	174,400	421,600	149,700	271,900	263,600	84,900	178,700
<b>S&amp;E occupations, total</b> .....	1,845,800	1,413,700	1,323,700	48,800	41,100	152,700	123,100	29,600	279,400	150,100	129,300
Male .....	1,466,400	1,149,200	1,084,100	41,400	23,700	93,600	76,600	16,900	223,700	122,500	101,200
Female .....	379,400	264,500	239,600	7,400	17,500	59,200	46,500	12,700	55,700	27,600	28,100
<b>Scientists, total</b> .....	937,500	676,300	616,100	25,400	34,800	128,200	101,700	26,500	133,000	70,200	62,700
Male .....	637,800	469,500	432,800	18,900	17,800	71,000	57,200	13,800	97,300	53,200	44,100
Female .....	299,600	206,800	183,300	6,500	17,000	57,100	44,400	12,700	35,700	17,100	18,600
<b>Computer/math scientists, total</b> ....	625,500	518,300	482,800	16,000	19,600	45,800	31,900	13,900	61,400	35,000	26,400
Male .....	437,800	367,800	344,500	11,500	11,800	26,700	19,300	7,400	43,300	26,500	16,800
Female .....	187,700	150,500	138,300	4,500	7,700	19,100	12,600	6,500	18,100	8,500	9,600
<b>Life/related scientists, total</b> .....	122,200	46,900	39,000	3,600	4,300	41,300	35,900	5,400	33,900	17,100	16,800
Male .....	75,300	26,700	22,800	2,900	1,000	21,200	17,500	3,700	27,400	14,100	13,300
Female .....	46,900	20,300	16,200	800	3,300	20,100	18,400	1,700	6,500	3,000	3,500
<b>Physical/related scientists, total</b> ...	128,300	84,000	78,700	3,100	2,200	20,600	18,400	2,200	23,700	12,500	11,200
Male .....	94,500	62,000	57,300	3,000	1,600	14,900	13,800	1,200	17,600	8,900	8,700
Female .....	33,800	22,000	21,400	S	600	5,700	4,600	1,000	6,100	3,600	2,500

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

**Table E-3. Employed U.S. scientists and engineers, by highest degree attained, broad occupation, sex, and employment sector: 1995**

Highest degree, occupation, and sex	Employed S&Es, total	Business/industry				Educational institution			Government		
		Total	Profit	Self-employed	Non-profit	Total	4 yr. College/university	Other	Total	Federal	State/local
<b>Bachelor's — continued</b>											
<b>Social/related scientists, total</b> .....	61,500	27,100	15,600	2,800	8,700	20,500	15,500	5,000	13,900	5,700	8,300
Male .....	30,200	13,100	8,200	1,600	3,300	8,100	6,600	1,500	9,000	3,700	5,300
Female .....	31,300	14,000	7,400	1,200	5,400	12,300	8,900	3,500	4,900	2,000	2,900
<b>Engineers, total</b> .....	908,300	737,400	707,600	23,400	6,300	24,600	21,400	3,100	146,400	79,900	66,500
Male .....	828,600	679,700	651,300	22,500	5,900	22,500	19,400	3,100	126,400	69,300	57,000
Female .....	79,800	57,700	56,300	1,000	500	2,000	2,000	S	20,000	10,500	9,500
<b>Non-S&amp;E occupations, total</b> .....	4,080,900	2,955,000	2,389,800	317,900	247,300	557,000	165,600	391,400	568,900	197,500	371,300
Male .....	2,477,900	1,922,300	1,609,400	222,400	90,400	194,600	62,300	132,300	361,000	140,200	220,800
Female .....	1,603,100	1,032,800	780,400	95,500	156,900	362,400	103,300	259,200	207,900	57,300	150,600
<b>Managers/administrators</b> .....	1,095,200	872,100	776,200	45,200	50,700	55,100	29,400	25,800	168,000	72,700	95,400
Male .....	798,800	658,400	600,300	36,000	22,100	24,200	11,300	13,000	116,200	53,400	62,800
Female .....	296,400	213,700	176,000	9,100	28,600	30,900	18,100	12,800	51,800	19,200	32,600
<b>Other non-S&amp;E occupations</b> .....	2,985,800	2,083,000	1,613,600	272,800	196,600	501,900	136,200	365,700	400,900	124,900	276,000
Male .....	1,679,100	1,263,900	1,009,200	186,400	68,300	170,400	51,100	119,300	244,800	86,800	158,000
Female .....	1,306,700	819,100	604,500	86,300	128,300	331,500	85,200	246,400	156,000	38,100	118,000
<b>Master's</b>											
<b>All occupations, total</b> <sup>2</sup> .....	2,656,800	1,610,700	1,264,400	152,700	193,700	668,600	204,600	464,000	377,500	158,800	218,700
Male .....	1,720,800	1,149,300	965,800	89,900	93,500	311,000	109,200	201,900	260,500	125,800	134,700
Female .....	936,000	461,500	298,600	62,800	100,100	357,500	95,400	262,100	117,000	33,000	83,900
<b>S&amp;E occupations, total</b> .....	891,600	595,900	524,700	39,500	31,700	172,500	106,200	66,300	123,200	71,200	52,000
Male .....	660,200	466,800	429,300	20,300	17,200	99,400	66,700	32,600	94,000	57,600	36,400
Female .....	231,400	129,100	95,400	19,200	14,500	73,100	39,500	33,700	29,200	13,600	15,600
<b>Scientists, total</b> .....	532,900	312,500	254,600	31,400	26,500	147,700	85,500	62,200	72,700	39,200	33,500
Male .....	331,800	206,600	181,200	12,900	12,400	76,900	48,100	28,800	48,400	28,700	19,700
Female .....	201,000	105,900	73,400	18,400	14,100	70,800	37,400	33,400	24,300	10,500	13,800

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

**Table E-3. Employed U.S. scientists and engineers, by highest degree attained, broad occupation, sex, and employment sector: 1995**

Highest degree, occupation, and sex	Employed S&Es, total	Business/industry				Educational institution			Government		
		Total	Profit	Self-employed	Non-profit	Total	4 yr. College/university	Other	Total	Federal	State/local
<b>Master's — continued</b>											
<b>Computer/math scientists, total</b> ....	267,200	191,500	178,900	6,200	6,400	49,500	30,100	19,400	26,100	15,600	10,600
Male .....	189,700	141,700	133,300	4,800	3,600	28,700	17,300	11,400	19,300	12,600	6,800
Female .....	77,400	49,800	45,700	1,300	2,800	20,800	12,800	8,000	6,800	3,000	3,800
<b>Life/related scientists, total</b> .....	63,700	21,100	16,800	2,100	2,200	26,100	18,900	7,200	16,500	10,600	5,900
Male .....	35,900	12,800	10,600	1,300	900	12,300	9,800	2,500	10,800	6,800	4,100
Female .....	27,700	8,300	6,300	800	1,200	13,800	9,100	4,700	5,600	3,800	1,800
<b>Physical/related scientists, total</b> ...	67,200	35,700	32,700	2,100	1,000	19,600	14,500	5,100	11,800	7,400	4,400
Male .....	51,300	28,300	25,800	1,900	600	14,300	10,700	3,600	8,700	5,400	3,300
Female .....	15,900	7,400	6,800	200	400	5,400	3,900	1,500	3,100	2,000	1,100
<b>Social/related scientists, total</b> .....	134,900	64,200	26,100	21,000	17,000	52,400	22,000	30,400	18,300	5,600	12,600
Male .....	54,900	23,700	11,500	4,900	7,300	21,600	10,400	11,300	9,500	3,900	5,600
Female .....	80,000	40,400	14,600	16,100	9,700	30,800	11,700	19,100	8,700	1,700	7,000
<b>Engineers, total</b> .....	358,700	283,400	270,100	8,100	5,200	24,800	20,700	4,200	50,500	32,000	18,500
Male .....	328,400	260,300	248,100	7,400	4,800	22,500	18,600	3,900	45,600	29,000	16,700
Female .....	30,400	23,100	22,000	800	400	2,400	2,100	300	4,900	3,000	1,800
<b>Non-S&amp;E occupations, total</b> .....	1,765,200	1,014,900	739,700	113,200	162,000	496,100	98,400	397,600	254,300	87,600	166,700
Male .....	1,060,600	682,500	536,500	69,700	76,300	211,700	42,400	169,200	166,500	68,100	98,400
Female .....	704,600	332,400	203,200	43,600	85,600	284,400	56,000	228,400	87,800	19,500	68,300
<b>Managers/administrators</b> .....	697,100	479,900	393,100	28,000	58,800	87,900	28,200	59,700	129,300	52,700	76,600
Male .....	509,000	363,400	312,900	19,300	31,100	49,900	15,100	34,800	95,600	45,000	50,700
Female .....	188,200	116,500	80,200	8,600	27,700	38,000	13,000	24,900	33,700	7,800	25,900
<b>Other non-S&amp;E occupations</b> .....	1,068,100	535,000	346,500	85,200	103,200	408,100	70,300	337,900	125,000	34,900	90,100
Male .....	551,700	319,100	223,500	50,300	45,200	161,700	27,300	134,400	70,900	23,200	47,700
Female .....	516,400	215,900	123,000	34,900	58,000	246,400	42,900	203,500	54,100	11,700	42,400

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

**Table E-3. Employed U.S. scientists and engineers, by highest degree attained, broad occupation, sex, and employment sector: 1995**

Highest degree, occupation, and sex	Employed S&Es, total	Business/industry				Educational institution			Government		
		Total	Profit	Self-employed	Non-profit	Total	4 yr. College/university	Other	Total	Federal	State/local
<b>Doctorate</b>											
<b>All occupations, total<sup>2</sup></b> .....	689,900	278,600	199,700	43,900	35,000	348,700	294,700	54,100	62,600	41,700	20,900
Male .....	522,500	221,200	165,800	31,200	24,200	251,800	221,000	30,800	49,500	34,200	15,400
Female .....	167,400	57,400	34,000	12,700	10,700	96,900	73,700	23,300	13,100	7,600	5,500
<b>S&amp;E occupations, total</b> .....	417,100	153,800	114,400	23,100	16,200	225,800	211,700	14,100	37,600	28,300	9,300
Male .....	323,700	121,100	95,400	14,300	11,400	172,500	163,600	8,900	30,100	23,300	6,800
Female .....	93,500	32,700	19,000	8,900	4,800	53,300	48,100	5,200	7,500	5,000	2,500
<b>Scientists, total</b> .....	347,500	114,100	78,500	21,000	14,500	200,900	187,500	13,500	32,500	24,000	8,500
Male .....	258,900	83,900	61,900	12,200	9,800	149,500	141,300	8,300	25,400	19,300	6,100
Female .....	88,600	30,100	16,600	8,800	4,700	51,400	46,200	5,200	7,100	4,700	2,400
<b>Computer/math scientists, total</b> ....	53,700	21,800	18,700	1,500	1,600	28,500	26,100	2,400	3,300	2,500	900
Male .....	44,100	17,900	15,400	1,100	1,400	23,300	21,800	1,500	3,000	2,200	800
Female .....	9,600	3,900	3,400	400	200	5,300	4,300	900	400	300	100
<b>Life/related scientists, total</b> .....	102,300	22,900	17,800	1,300	3,900	69,500	67,100	2,400	9,900	8,300	1,600
Male .....	75,300	17,500	13,700	1,000	2,800	49,900	48,200	1,800	7,900	6,500	1,300
Female .....	27,000	5,400	4,100	300	1,000	19,600	18,900	600	2,000	1,800	200
<b>Physical/related scientists, total</b> ...	78,700	30,900	27,200	1,300	2,500	39,400	37,400	1,900	8,400	7,700	700
Male .....	69,300	27,100	23,600	1,300	2,300	34,800	33,000	1,700	7,400	6,800	600
Female .....	9,400	3,900	3,600	100	200	4,600	4,400	200	1,000	900	100
<b>Social/related scientists, total</b> .....	112,800	38,400	14,900	16,900	6,600	63,500	56,900	6,700	10,900	5,600	5,400
Male .....	70,200	21,400	9,300	8,800	3,300	41,600	38,300	3,300	7,200	3,800	3,400
Female .....	42,600	16,900	5,600	8,100	3,300	22,000	18,600	3,400	3,700	1,800	1,900
<b>Engineers, total</b> .....	69,600	39,700	35,900	2,100	1,700	24,900	24,300	600	5,000	4,300	700
Male .....	64,800	37,200	33,500	2,100	1,600	23,000	22,300	600	4,700	4,000	700
Female .....	4,800	2,500	2,400	S	100	1,900	1,900	S	400	300	100
<b>Non-S&amp;E occupations, total</b> .....	272,800	124,800	85,300	20,700	18,800	122,900	82,900	40,000	25,000	13,400	11,600
Male .....	198,800	100,100	70,400	16,900	12,800	79,300	57,400	21,900	19,400	10,900	8,600
Female .....	74,000	24,700	14,900	3,800	6,000	43,600	25,600	18,100	5,600	2,500	3,100

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

**Table E-3. Employed U.S. scientists and engineers, by highest degree attained, broad occupation, sex, and employment sector: 1995**

Highest degree, occupation, and sex	Employed S&Es, total	Business/industry				Educational institution			Government		
		Total	Profit	Self-employed	Non-profit	Total	4 yr. College/university	Other	Total	Federal	State/local
<b>Doctorate — continued</b>											
<b>Managers/administrators</b> .....	119,400	63,800	50,800	4,000	9,000	39,000	26,800	12,200	16,600	9,200	7,400
Male .....	95,400	54,100	44,100	3,500	6,500	28,200	19,900	8,300	13,100	7,700	5,400
Female .....	24,000	9,700	6,700	500	2,600	10,800	6,900	3,900	3,500	1,500	2,000
<b>Other non-S&amp;E occupations</b> .....	153,300	61,000	34,500	16,700	9,800	83,900	56,100	27,800	8,400	4,200	4,200
Male .....	103,400	46,000	26,200	13,400	6,400	51,100	37,400	13,600	6,300	3,200	3,100
Female .....	50,000	15,000	8,300	3,400	3,400	32,800	18,700	14,100	2,100	1,100	1,100

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)