

Table E-7. Employed U.S. scientists and engineers, by highest degree attained, occupation, sex, and primary/secondary work activity : 1995

Highest degree, occupation, and sex	Employed S&Es, total	Primary/secondary work activity				
		Research and development	Teaching	Management, sales, admin	Computer applications	Professional services/ other
All degree levels¹						
All occupations, total²	10,114,500	2,901,800	1,459,000	6,035,200	2,156,900	3,498,600
Male	6,834,200	2,196,100	739,600	4,179,500	1,489,700	2,244,200
Female	3,280,300	705,800	719,300	1,855,700	667,200	1,254,400
S&E occupations, total	3,185,600	1,809,000	369,400	1,332,700	1,148,400	665,900
Male	2,472,100	1,465,200	248,500	1,058,800	884,300	470,900
Female	713,500	343,800	120,900	273,900	264,100	195,000
Scientists, total	1,846,600	935,600	325,100	668,300	817,600	390,000
Male	1,248,100	662,400	207,800	450,500	587,200	223,700
Female	598,500	273,100	117,300	217,800	230,400	166,300
Computer/math sci, total	949,500	397,500	101,800	378,400	717,000	91,100
Male	674,500	295,700	62,600	265,500	516,900	61,800
Female	275,000	101,800	39,300	112,900	200,200	29,300
Computer/information scientists	839,600	342,900	33,100	356,300	680,200	81,900
Male	602,700	257,300	18,100	251,600	494,900	55,800
Female	236,900	85,700	15,000	104,700	185,400	26,100
Mathematical scientists	37,900	26,100	800	12,700	20,000	4,100
Male	25,300	17,500	700	8,800	12,500	2,700
Female	12,500	8,700	200	3,900	7,400	1,500
Postsecondary teachers- computer math sci	72,000	28,500	67,900	9,400	16,800	5,100
Male	46,500	21,000	43,800	5,100	9,500	3,300
Female	25,500	7,500	24,100	4,300	7,400	1,800
Life/related scientists, total	305,300	213,300	75,300	103,200	28,300	63,700
Male	199,400	136,700	50,200	68,600	19,400	43,300
Female	105,900	76,600	25,100	34,500	8,900	20,400
Agricultural/food scientists	43,400	26,800	1,800	22,900	5,100	9,500
Male	32,300	18,800	1,500	17,400	3,800	7,800
Female	11,100	8,000	400	5,500	1,300	1,700
Biological scientists	168,600	138,300	10,100	53,900	17,800	32,900
Male	100,700	83,000	5,900	31,900	11,600	18,400
Female	67,900	55,300	4,200	22,000	6,200	14,500
Environmental life scientists	20,100	6,600	300	12,500	3,600	7,900
Male	17,400	5,100	200	11,300	3,200	7,000
Female	2,700	1,600	100	1,200	400	900
Postsecondary teachers- life/related sciences	73,200	41,500	63,000	13,800	1,800	13,400
Male	49,100	29,800	42,500	8,000	800	10,000
Female	24,100	11,800	20,500	5,800	1,000	3,400

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

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Highest degree, occupation, and sex	Employed S&Es, total	Primary/secondary work activity				
		Research and development	Teaching	Management, sales, admin	Computer applications	Professional services/ other
All degree levels¹ — continued						
Physical/related scientists, total ...	274,300	197,000	48,200	88,000	48,800	52,800
Male	215,200	157,300	37,700	67,500	37,800	39,000
Female	59,100	39,700	10,500	20,500	11,000	13,800
Chemistry, except biochemistry	111,400	84,600	2,800	41,400	15,600	20,400
Male	82,500	64,000	1,900	30,200	10,300	13,600
Female	29,000	20,600	800	11,200	5,300	6,800
Earth scientists/geologists/oceanographers	70,700	50,000	1,900	26,300	17,800	19,900
Male	58,100	40,800	1,200	21,700	14,400	16,500
Female	12,600	9,200	700	4,600	3,500	3,400
Physicists/astronomers	29,000	25,400	900	5,900	7,800	4,000
Male	25,700	23,000	600	5,300	7,200	3,000
Female	3,300	2,400	200	600	600	1,000
Other physical/related scientists	17,000	10,500	300	7,500	3,400	5,400
Male	12,400	7,400	200	5,000	2,700	4,200
Female	4,600	3,100	100	2,500	700	1,200
Postsecondary teachers-physical/related sci	46,200	26,500	42,400	6,900	4,100	3,200
Male	36,600	22,100	33,800	5,300	3,300	1,800
Female	9,600	4,400	8,600	1,600	900	1,400
Social/related scientists, total	317,500	127,800	99,900	98,800	23,600	182,500
Male	159,000	72,800	57,400	48,900	13,200	79,700
Female	158,500	55,000	42,500	49,900	10,300	102,800
Economists	33,100	18,100	1,000	18,300	8,300	11,400
Male	23,900	12,700	800	13,400	5,600	8,600
Female	9,200	5,500	200	4,900	2,700	2,700
Political/related scientists	8,900	5,300	600	4,400	1,200	2,300
Male	4,900	3,200	400	2,200	500	1,600
Female	4,000	2,200	200	2,200	600	800
Psychologists	167,200	34,200	21,400	58,100	7,200	147,400
Male	65,700	13,600	7,900	22,900	3,200	58,100
Female	101,600	20,600	13,500	35,200	4,000	89,300
Sociologists/anthropologists	16,000	12,700	1,500	4,300	2,400	4,900
Male	8,400	7,100	500	2,500	900	2,400
Female	7,700	5,700	1,000	1,800	1,500	2,500
Other social/related scientists	12,600	10,600	700	3,900	2,200	3,500
Male	6,300	5,000	600	1,700	1,400	1,500
Female	6,300	5,500	S	2,200	700	2,000
Postsecondary teachers-social/related sci	79,700	46,900	74,800	9,800	2,300	12,900
Male	49,900	31,300	47,200	6,100	1,500	7,400
Female	29,800	15,600	27,600	3,700	700	5,500

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Table E-7. Employed U.S. scientists and engineers, by highest degree attained, occupation, sex, and primary/secondary work activity : 1995

Highest degree, occupation, and sex	Employed S&Es, total	Primary/secondary work activity				
		Research and development	Teaching	Management, sales, admin	Computer applications	Professional services/ other
All degree levels¹ — continued						
Engineers, total	1,339,000	873,400	44,200	664,400	330,800	275,900
Male	1,224,000	802,800	40,600	608,300	297,000	247,200
Female	115,000	70,700	3,600	56,100	33,700	28,700
Aerospace/related engineers	72,800	54,700	1,300	30,600	20,000	11,000
Male	68,300	51,100	1,300	28,900	18,500	10,200
Female	4,500	3,600	S	1,800	1,500	700
Chemical engineers	71,100	55,100	600	31,800	12,400	11,400
Male	62,200	47,800	600	27,500	10,700	10,200
Female	8,900	7,300	S	4,300	1,700	1,200
Civil/architectural engineers	198,900	99,600	1,800	129,000	44,700	54,600
Male	180,900	90,900	1,800	118,400	38,500	49,300
Female	18,000	8,700	S	10,600	6,300	5,300
Electrical/related engineers	357,400	255,600	3,400	145,000	132,000	54,600
Male	335,200	240,100	3,200	136,300	123,000	50,800
Female	22,300	15,400	300	8,700	9,000	3,800
Industrial engineers	69,600	37,000	900	46,500	17,500	18,100
Male	60,600	32,400	600	40,500	14,700	15,700
Female	9,000	4,700	200	6,000	2,800	2,300
Mechanical engineers	255,100	204,500	1,400	107,800	49,100	42,000
Male	240,300	193,600	1,100	102,200	44,500	39,200
Female	14,800	11,000	300	5,600	4,600	2,800
Other engineers	282,800	147,400	5,800	167,800	51,900	82,000
Male	247,500	128,900	5,100	149,400	44,500	69,600
Female	35,300	18,500	700	18,500	7,500	12,500
Postsecondary teachers-engineers	31,300	19,500	29,000	5,700	3,100	2,200
Male	28,900	18,100	27,000	5,200	2,800	2,100
Female	2,400	1,500	2,100	600	300	100
Non-S&E occupations, total	6,928,900	1,092,800	1,089,600	4,702,500	1,008,500	2,832,600
Male	4,362,100	730,900	491,200	3,120,700	605,400	1,773,300
Female	2,566,800	362,000	598,400	1,581,800	403,100	1,059,400
Managers/administrators	1,963,200	296,100	61,800	1,817,900	271,900	405,300
Male	1,440,400	233,800	42,700	1,334,400	190,700	285,300
Female	522,800	62,300	19,100	483,500	81,200	120,000
Health and related	758,000	101,400	153,700	333,000	38,200	662,500
Male	434,200	59,000	72,800	201,800	16,000	389,300
Female	323,800	42,400	80,900	131,200	22,200	273,200
Teachers, except S&E postsecondary	708,000	135,900	645,300	214,000	70,000	103,100
Male	289,500	61,000	259,900	87,400	35,600	44,000
Female	418,500	75,000	385,400	126,600	34,500	59,100

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Table E-7. Employed U.S. scientists and engineers, by highest degree attained, occupation, sex, and primary/secondary work activity : 1995

Highest degree, occupation, and sex	Employed S&Es, total	Primary/secondary work activity				
		Research and development	Teaching	Management, sales, admin	Computer applications	Professional services/ other
All degree levels¹ — continued						
Sales/marketing	875,800	96,700	24,800	827,800	108,500	188,600
Male	614,400	74,900	16,500	581,500	70,000	139,000
Female	261,400	21,800	8,300	246,400	38,500	49,600
Other non-S&E occupations	2,623,900	462,700	204,000	1,509,800	519,900	1,473,100
Male	1,583,600	302,100	99,200	915,700	293,200	915,700
Female	1,040,300	160,500	104,800	594,100	226,800	557,400
Bachelor's						
All occupations, total²	5,926,700	1,637,100	610,600	3,758,000	1,494,300	1,767,600
Male	3,944,300	1,237,400	258,400	2,547,900	1,002,400	1,116,000
Female	1,982,500	399,700	352,200	1,210,100	491,800	651,600
S&E occupations, total	1,845,800	1,003,100	95,600	865,700	772,700	347,200
Male	1,466,400	823,400	58,000	700,000	586,700	277,100
Female	379,400	179,700	37,600	165,700	185,900	70,100
Scientists, total	937,500	430,500	82,200	388,500	548,600	148,100
Male	637,800	298,900	45,600	263,700	387,300	96,800
Female	299,600	131,600	36,600	124,800	161,200	51,300
Computer/math sci, total	625,500	245,600	39,900	267,000	498,600	57,200
Male	437,800	181,700	20,800	183,600	354,000	39,600
Female	187,700	63,900	19,100	83,400	144,600	17,600
Computer/information scientists	595,600	233,100	26,200	256,800	486,300	55,300
Male	419,200	173,400	12,800	177,300	347,100	38,200
Female	176,400	59,700	13,400	79,600	139,300	17,100
Mathematical scientists	15,900	8,800	200	8,100	7,700	1,400
Male	10,700	5,700	200	5,600	4,800	1,000
Female	5,300	3,100	S	2,500	3,000	400
Postsecondary teachers- computer math sci	14,000	3,700	13,500	2,100	4,600	500
Male	8,000	2,600	7,800	800	2,200	400
Female	6,000	1,100	5,700	1,300	2,400	100
Life/related scientists, total	122,200	73,900	17,800	50,900	14,500	29,300
Male	75,300	40,800	11,300	34,100	9,900	19,800
Female	46,900	33,100	6,500	16,800	4,600	9,600
Agricultural/food scientists	24,700	11,200	700	15,400	3,100	6,800
Male	17,200	6,600	700	11,300	2,100	5,500
Female	7,500	4,600	S	4,100	1,000	1,400
Biological scientists	70,200	52,900	4,300	24,000	9,200	14,300
Male	38,300	28,000	2,500	13,600	6,300	7,100
Female	32,000	24,900	1,800	10,500	3,000	7,200
Environmental life scientists	13,400	3,000	200	8,800	2,000	6,600
Male	11,600	2,100	200	7,800	1,600	5,900
Female	1,800	900	100	1,000	400	600

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		Research and development	Teaching	Management, sales, admin	Computer applications	Professional services/ other
Bachelor's — continued						
Postsecondary teachers- life/related sciences	13,900	6,800	12,500	2,700	200	1,700
Male	8,200	4,100	7,900	1,300	S	1,300
Female	5,600	2,700	4,600	1,300	200	300
Physical/related scientists, total ...	128,300	84,200	11,300	48,600	25,500	31,700
Male	94,500	62,600	7,500	35,100	18,500	22,700
Female	33,800	21,600	3,800	13,500	7,000	8,900
Chemistry, except biochemistry	65,300	44,500	1,800	26,500	10,900	15,200
Male	46,100	32,200	1,500	18,300	6,600	9,800
Female	19,100	12,300	300	8,200	4,300	5,400
Earth scientists/geologists/oceanograp- hers	36,200	23,400	1,000	13,900	9,700	11,800
Male	29,600	18,500	600	11,700	7,700	10,000
Female	6,600	4,900	300	2,300	2,000	1,800
Physicists/astronomers	7,200	5,700	100	1,700	1,500	1,600
Male	6,200	5,300	100	1,300	1,400	1,100
Female	1,000	500	S	300	100	600
Other physical/related scientists	9,300	5,500	300	4,500	2,300	2,300
Male	6,200	3,600	200	2,600	2,000	1,500
Female	3,100	2,000	100	2,000	300	700
Postsecondary teachers- physical/related sci	10,200	5,000	8,100	2,000	900	800
Male	6,400	3,100	5,000	1,200	700	300
Female	3,800	2,000	3,100	800	200	500
Social/related scientists, total	61,500	26,800	13,300	22,000	9,900	29,900
Male	30,200	13,800	6,100	10,900	4,900	14,700
Female	31,300	13,000	7,200	11,100	5,000	15,200
Economists	11,100	4,300	S	7,600	4,100	3,900
Male	7,200	2,600	S	4,900	2,400	3,200
Female	3,900	1,700	S	2,800	1,600	700
Political/related scientists	4,900	2,400	300	2,900	1,000	1,200
Male	2,800	1,500	100	1,600	500	800
Female	2,100	900	200	1,300	600	400
Psychologists	26,300	6,900	5,300	7,700	2,100	20,400
Male	9,700	2,300	1,800	1,700	600	8,400
Female	16,700	4,700	3,600	5,900	1,600	11,900
Sociologists/anthropologists	7,900	6,300	600	2,100	800	2,400
Male	4,500	3,500	300	1,600	300	1,500
Female	3,400	2,800	300	400	500	900
Other social/related scientists	3,900	3,100	300	1,000	1,200	1,000
Male	1,900	1,700	300	500	800	S
Female	2,000	1,400	S	500	400	1,000

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Bachelor's — continued						
Postsecondary teachers-social/related sci	7,400	3,700	6,800	700	800	1,100
Male	4,100	2,200	3,600	500	400	800
Female	3,300	1,500	3,200	200	400	300
Engineers, total	908,300	572,600	13,400	477,200	224,100	199,100
Male	828,600	524,500	12,400	436,300	199,400	180,300
Female	79,800	48,200	1,000	40,900	24,700	18,800
Aerospace/related engineers	42,600	32,100	100	18,000	11,500	6,800
Male	39,600	29,700	100	16,900	10,600	6,400
Female	2,900	2,400	S	1,200	800	400
Chemical engineers	45,900	34,400	400	22,000	7,500	8,300
Male	39,600	29,200	400	19,100	6,200	7,500
Female	6,300	5,200	S	2,900	1,300	800
Civil/architectural engineers	143,600	69,400	1,300	96,300	32,400	39,500
Male	129,800	62,800	1,300	88,000	27,400	35,400
Female	13,900	6,500	S	8,300	5,000	4,100
Electrical/related engineers	241,200	164,200	2,200	102,600	90,500	42,600
Male	225,400	153,400	1,900	96,500	83,500	39,800
Female	15,800	10,700	300	6,100	7,000	2,800
Industrial engineers	52,500	27,700	500	35,500	12,500	14,300
Male	45,900	24,300	400	31,100	10,500	12,500
Female	6,600	3,400	100	4,400	2,000	1,800
Mechanical engineers	191,500	152,700	900	83,700	35,400	32,700
Male	181,200	144,700	700	79,800	32,900	31,000
Female	10,200	8,000	200	3,900	2,500	1,700
Other engineers	185,800	90,300	3,300	117,800	33,500	54,200
Male	162,000	78,500	2,900	103,700	27,500	47,000
Female	23,800	11,800	400	14,000	6,000	7,200
Postsecondary teachers-engineers	5,200	1,900	4,700	1,300	900	700
Male	5,000	1,800	4,600	1,300	900	700
Female	100	100	100	S	S	S
Non-S&E occupations, total	4,080,900	634,000	515,000	2,892,300	721,600	1,420,400
Male	2,477,900	414,000	200,400	1,847,900	415,700	838,800
Female	1,603,100	219,900	314,600	1,044,400	305,900	581,500
Managers/administrators	1,095,200	145,300	25,700	1,016,700	171,100	214,700
Male	798,800	112,500	17,500	742,400	116,200	154,400
Female	296,400	32,800	8,300	274,200	55,000	60,300
Health and related	257,600	38,500	52,700	111,300	24,100	204,700
Male	83,700	12,600	11,200	40,000	6,900	66,800
Female	173,900	25,800	41,500	71,300	17,200	137,900

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		Research and development	Teaching	Management, sales, admin	Computer applications	Professional services/ other
Bachelor's — continued						
Teachers, except S&E postsecondary	319,300	53,000	294,000	94,400	31,500	42,000
Male	109,900	19,100	100,400	30,800	16,400	13,900
Female	209,400	33,900	193,600	63,600	15,100	28,100
Sales/marketing	689,200	74,100	21,500	652,900	84,700	142,600
Male	476,900	56,900	14,100	452,200	53,600	103,100
Female	212,300	17,200	7,500	200,700	31,100	39,500
Other non-S&E occupations	1,719,700	323,100	121,100	1,017,100	410,100	816,400
Male	1,008,600	212,800	57,300	582,500	222,600	500,600
Female	711,100	110,200	63,700	434,600	187,500	315,800
Master's						
All occupations, total ²	2,656,800	753,900	500,300	1,559,000	558,100	837,900
Male	1,720,800	558,100	231,000	1,073,100	401,000	456,200
Female	936,000	195,800	269,300	485,900	157,100	381,700
S&E occupations, total	891,600	480,500	106,100	361,600	316,900	221,200
Male	660,200	381,800	60,500	279,800	248,200	130,400
Female	231,400	98,700	45,700	81,800	68,700	90,800
Scientists, total	532,900	241,200	92,800	190,800	224,400	151,600
Male	331,800	161,300	48,500	123,200	163,400	69,700
Female	201,000	79,900	44,300	67,600	61,000	81,900
Computer/math sci, total	267,200	113,600	37,100	101,400	194,000	28,300
Male	189,700	82,400	21,600	73,800	142,300	17,700
Female	77,400	31,200	15,400	27,600	51,700	10,600
Computer/information scientists	219,000	94,200	6,000	93,000	175,700	23,900
Male	162,300	70,800	4,500	68,900	132,300	15,300
Female	56,800	23,400	1,400	24,100	43,300	8,600
Mathematical scientists	14,400	10,800	100	3,300	8,600	1,800
Male	8,700	6,600	S	2,000	4,900	800
Female	5,700	4,200	S	1,200	3,700	900
Postsecondary teachers-computer math sci	33,700	8,600	31,000	5,100	9,700	2,700
Male	18,800	5,000	17,100	2,800	5,100	1,500
Female	15,000	3,500	14,000	2,300	4,600	1,100
Life/related scientists, total	63,700	39,900	16,200	23,200	7,800	14,200
Male	35,900	23,200	7,100	13,700	5,200	7,700
Female	27,700	16,700	9,000	9,600	2,600	6,400
Agricultural/food scientists	9,300	7,000	800	4,500	1,100	1,200
Male	7,100	5,000	500	3,600	1,000	1,100
Female	2,200	2,000	300	900	100	200
Biological scientists	32,600	24,900	1,600	10,200	4,200	8,900
Male	17,000	13,900	700	4,600	2,500	4,200
Female	15,600	11,000	900	5,700	1,800	4,700

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

Table E-7. Employed U.S. scientists and engineers, by highest degree attained, occupation, sex, and primary/secondary work activity : 1995

Highest degree, occupation, and sex	Employed S&Es, total	Primary/secondary work activity				
		Research and development	Teaching	Management, sales, admin	Computer applications	Professional services/ other
Master's — continued						
Environmental life scientists	5,800	2,900	100	3,400	1,600	1,200
Male	5,100	2,300	100	3,200	1,500	900
Female	700	600	S	200	S	200
Postsecondary teachers- life/related sciences	15,900	5,100	13,700	5,100	900	2,900
Male	6,800	2,000	5,900	2,400	200	1,500
Female	9,200	3,200	7,800	2,700	600	1,400
Physical/related scientists, total ...	67,200	46,100	10,400	23,200	13,100	15,000
Male	51,300	35,800	7,200	17,800	10,100	11,200
Female	15,900	10,400	3,200	5,400	2,900	3,800
Chemistry, except biochemistry	20,300	15,900	700	8,100	2,800	3,400
Male	14,300	11,200	100	6,000	2,100	2,400
Female	6,000	4,700	500	2,100	700	1,000
Earth scientists/geologists/oceanograp- hers	24,100	17,300	200	10,100	5,800	6,800
Male	19,400	14,100	100	8,000	4,500	5,400
Female	4,700	3,200	200	2,100	1,300	1,400
Physicists/astronomers	7,700	6,700	400	1,400	2,200	1,200
Male	6,200	5,500	300	1,200	1,900	900
Female	1,500	1,200	200	200	300	300
Other physical/related scientists	5,000	2,700	S	1,800	700	2,600
Male	3,800	1,800	S	1,300	300	2,200
Female	1,200	900	S	500	400	400
Postsecondary teachers- physical/related sci	10,000	3,600	9,000	1,700	1,500	1,000
Male	7,500	3,200	6,700	1,200	1,200	400
Female	2,500	400	2,300	500	300	700
Social/related scientists, total	134,900	41,600	29,200	43,000	9,500	94,000
Male	54,900	20,000	12,500	18,000	5,700	33,000
Female	80,000	21,600	16,600	25,000	3,800	61,000
Economists	14,900	8,400	600	8,100	3,200	5,300
Male	11,000	5,900	400	6,400	2,500	3,600
Female	3,900	2,500	200	1,600	700	1,700
Political/related scientists	2,800	2,000	200	1,000	100	800
Male	1,200	1,000	200	300	100	500
Female	1,600	1,100	S	700	S	200
Psychologists	88,200	15,700	10,500	29,300	3,500	80,100
Male	28,700	5,500	3,400	9,500	1,800	25,200
Female	59,400	10,200	7,100	19,800	1,700	54,900
Sociologists/anthropologists	5,100	3,800	700	1,100	1,500	1,600
Male	2,100	1,900	S	300	600	500
Female	3,100	1,900	700	800	1,000	1,100

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

Table E-7. Employed U.S. scientists and engineers, by highest degree attained, occupation, sex, and primary/secondary work activity : 1995

Highest degree, occupation, and sex	Employed S&Es, total	Primary/secondary work activity				
		Research and development	Teaching	Management, sales, admin	Computer applications	Professional services/ other
Master's — continued						
Other social/related scientists	4,700	3,800	S	1,100	600	1,800
Male	2,700	2,000	S	600	400	1,200
Female	2,100	1,900	S	600	200	600
Postsecondary teachers- social/related sci	19,100	7,800	17,100	2,400	600	4,400
Male	9,200	3,800	8,400	1,000	400	2,000
Female	10,000	4,100	8,700	1,400	200	2,400
Engineers, total	358,700	239,300	13,300	170,800	92,500	69,700
Male	328,400	220,500	12,000	156,600	84,800	60,700
Female	30,400	18,800	1,400	14,200	7,700	8,900
Aerospace/related engineers	25,900	18,700	1,200	11,500	6,800	3,900
Male	24,500	17,600	1,200	10,900	6,200	3,700
Female	1,400	1,100	S	600	700	300
Chemical engineers	19,300	15,100	100	8,500	3,900	2,900
Male	17,200	13,400	100	7,200	3,600	2,500
Female	2,100	1,700	S	1,300	300	400
Civil/architectural engineers	50,800	27,000	500	30,700	11,100	14,500
Male	47,000	25,100	500	28,400	10,000	13,300
Female	3,800	1,900	S	2,300	1,100	1,200
Electrical/related engineers	102,000	78,400	1,200	38,800	37,700	10,800
Male	96,100	74,100	1,200	36,300	35,900	9,900
Female	5,900	4,300	S	2,500	1,800	900
Industrial engineers	16,300	8,600	400	10,600	4,800	3,700
Male	14,000	7,500	200	9,000	4,000	3,100
Female	2,300	1,100	100	1,600	900	600
Mechanical engineers	55,200	44,400	400	22,900	10,700	8,200
Male	51,300	41,600	300	21,200	9,100	7,500
Female	3,900	2,800	100	1,700	1,500	600
Other engineers	80,500	42,800	2,200	45,600	15,900	25,100
Male	70,600	37,300	1,900	41,700	14,600	20,100
Female	9,900	5,400	300	3,900	1,300	4,900
Postsecondary teachers-engineers	8,700	4,200	7,500	2,200	1,600	700
Male	7,600	3,800	6,700	1,900	1,300	600
Female	1,100	500	800	300	200	100
Non-S&E occupations, total	1,765,200	273,500	394,200	1,197,400	241,100	616,600
Male	1,060,600	176,300	170,500	793,300	152,800	325,800
Female	704,600	97,100	223,600	404,100	88,300	290,900
Managers/administrators	697,100	101,700	25,200	649,100	89,700	148,800
Male	509,000	80,200	16,700	473,900	65,200	102,300
Female	188,200	21,500	8,500	175,200	24,500	46,500

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

Table E-7. Employed U.S. scientists and engineers, by highest degree attained, occupation, sex, and primary/secondary work activity : 1995

Highest degree, occupation, and sex	Employed S&Es, total	Primary/secondary work activity				
		Research and development	Teaching	Management, sales, admin	Computer applications	Professional services/ other
Master's — continued						
Health and related	84,000	12,300	18,500	35,100	6,700	69,500
Male	22,200	5,400	2,700	10,000	2,600	17,100
Female	61,800	6,900	15,800	25,100	4,000	52,400
Teachers, except S&E postsecondary	306,900	48,900	279,100	99,100	34,900	46,200
Male	131,100	19,300	118,500	45,500	16,700	19,800
Female	175,800	29,600	160,500	53,600	18,200	26,400
Sales/marketing	168,500	20,800	3,100	158,100	22,700	40,600
Male	122,900	16,400	2,400	115,300	15,400	31,200
Female	45,600	4,300	800	42,800	7,300	9,300
Other non-S&E occupations	508,600	89,800	68,300	256,000	87,200	311,500
Male	275,500	55,000	30,200	148,500	52,900	155,300
Female	233,200	34,700	38,100	107,500	34,300	156,200
Doctorate						
All occupations, total ²	689,900	407,900	240,100	260,600	78,900	166,000
Male	522,500	324,600	174,300	197,300	65,200	111,000
Female	167,400	83,300	65,800	63,300	13,700	54,900
S&E occupations, total	417,100	309,000	158,600	95,300	56,500	80,800
Male	323,700	248,800	123,300	72,300	47,400	51,500
Female	93,500	60,200	35,300	23,000	9,200	29,300
Scientists, total	347,500	249,200	141,200	80,300	42,900	74,500
Male	258,900	192,600	107,100	58,400	35,000	46,100
Female	88,600	56,600	34,100	21,900	7,900	28,400
Computer/math sci, total	53,700	37,200	24,600	9,000	22,900	4,700
Male	44,100	30,600	20,000	7,300	19,200	3,600
Female	9,600	6,600	4,600	1,700	3,700	1,100
Computer/information scientists	22,100	14,500	800	5,500	16,700	1,800
Male	18,600	12,100	800	4,600	14,100	1,400
Female	3,500	2,400	S	900	2,600	400
Mathematical scientists	7,500	6,500	600	1,400	3,600	1,000
Male	6,000	5,200	500	1,200	2,900	800
Female	1,500	1,300	100	200	700	100
Postsecondary teachers- computer math sci	24,100	16,200	23,200	2,100	2,500	1,900
Male	19,600	13,400	18,800	1,500	2,200	1,400
Female	4,500	2,800	4,500	600	400	500
Life/related scientists, total	102,300	89,000	35,100	24,700	5,800	10,800
Male	75,300	65,700	26,800	17,600	4,200	8,200
Female	27,000	23,300	8,400	7,100	1,600	2,700
Agricultural/food scientists	9,300	8,500	300	3,000	900	1,400
Male	7,800	7,200	300	2,500	700	1,200
Female	1,400	1,400	S	500	100	100

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

Table E-7. Employed U.S. scientists and engineers, by highest degree attained, occupation, sex, and primary/secondary work activity : 1995

Highest degree, occupation, and sex	Employed S&Es, total	Primary/secondary work activity				
		Research and development	Teaching	Management, sales, admin	Computer applications	Professional services/ other
Doctorate — continued						
Biological scientists	57,800	55,000	3,400	16,800	4,100	5,800
Male	40,700	38,600	2,400	12,000	2,900	4,200
Female	17,100	16,500	1,000	4,800	1,300	1,600
Environmental life scientists	900	700	S	300	100	200
Male	700	600	S	200	100	200
Female	100	100	S	S	S	S
Postsecondary teachers- life/related sciences	34,400	24,700	31,400	4,600	700	3,500
Male	26,100	19,400	24,000	2,900	600	2,600
Female	8,300	5,300	7,400	1,700	100	900
Physical/related scientists, total ...	78,700	66,500	26,500	16,200	10,100	6,100
Male	69,300	58,800	23,000	14,700	9,100	5,000
Female	9,400	7,700	3,500	1,500	1,100	1,100
Chemistry, except biochemistry	25,800	24,000	300	6,700	1,800	1,800
Male	22,000	20,400	300	5,900	1,500	1,400
Female	3,800	3,500	S	900	300	400
Earth scientists/geologists/oceanograp- hers	10,400	9,400	700	2,300	2,300	1,300
Male	9,100	8,300	500	2,100	2,100	1,100
Female	1,300	1,100	200	300	200	200
Physicists/astronomers	14,100	12,900	300	2,800	4,000	1,100
Male	13,300	12,200	300	2,700	3,800	1,000
Female	800	700	S	100	200	100
Other physical/related scientists	2,600	2,300	S	1,200	300	400
Male	2,300	2,000	S	1,100	300	400
Female	300	300	S	100	S	S
Postsecondary teachers- physical/related sci	25,900	17,900	25,200	3,200	1,700	1,400
Male	22,600	15,800	22,000	2,900	1,300	1,100
Female	3,300	2,100	3,200	200	400	200
Social/related scientists, total	112,800	56,500	54,900	30,400	4,100	52,900
Male	70,200	37,600	37,300	18,700	2,600	29,300
Female	42,600	18,900	17,700	11,600	1,500	23,600
Economists	7,000	5,400	400	2,500	1,000	2,100
Male	5,600	4,100	300	1,900	700	1,900
Female	1,500	1,300	S	500	300	200
Political/related scientists	1,200	900	100	500	S	300
Male	900	700	100	400	S	200
Female	300	200	S	200	S	100
Psychologists	47,800	10,300	5,200	18,900	1,600	42,600
Male	25,300	5,200	2,500	10,700	800	22,700
Female	22,500	5,100	2,700	8,100	800	19,900

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

Table E-7. Employed U.S. scientists and engineers, by highest degree attained, occupation, sex, and primary/secondary work activity : 1995

Highest degree, occupation, and sex	Employed S&Es, total	Primary/secondary work activity				
		Research and development	Teaching	Management, sales, admin	Computer applications	Professional services/ other
Doctorate — continued						
Sociologists/anthropologists	3,000	2,700	200	1,100	100	900
Male	1,800	1,700	100	600	100	400
Female	1,200	1,000	S	500	S	500
Other social/related scientists	3,100	2,700	400	800	400	800
Male	1,600	1,400	400	600	200	300
Female	1,400	1,300	S	200	200	500
Postsecondary teachers-social/related sci	50,700	34,500	48,700	6,600	900	6,200
Male	35,100	24,500	33,800	4,600	700	3,800
Female	15,600	10,000	14,900	2,100	100	2,400
Engineers, total	69,600	59,800	17,500	15,000	13,600	6,300
Male	64,800	56,200	16,300	14,000	12,300	5,400
Female	4,800	3,700	1,200	1,100	1,300	1,000
Aerospace/related engineers	4,200	3,800	S	1,000	1,700	200
Male	4,100	3,700	S	1,000	1,700	200
Female	100	100	S	S	100	S
Chemical engineers	5,800	5,500	100	1,300	1,000	300
Male	5,400	5,100	100	1,200	900	300
Female	500	400	S	100	100	S
Civil/architectural engineers	3,800	2,800	S	1,400	1,200	600
Male	3,500	2,500	S	1,400	1,100	600
Female	300	300	S	100	200	S
Electrical/related engineers	13,100	12,200	S	3,200	3,400	700
Male	12,600	11,800	S	3,100	3,200	600
Female	400	400	S	100	200	S
Industrial engineers	800	700	S	400	200	100
Male	700	600	S	300	200	100
Female	100	100	S	S	S	S
Mechanical engineers	8,000	7,100	200	1,200	2,900	1,000
Male	7,400	6,900	200	1,100	2,400	600
Female	600	200	S	S	500	500
Other engineers	16,400	14,300	300	4,300	2,500	2,600
Male	14,800	13,000	300	3,800	2,300	2,300
Female	1,600	1,300	S	500	200	300
Postsecondary teachers-engineers	17,400	13,400	16,800	2,200	700	800
Male	16,200	12,500	15,700	2,000	600	800
Female	1,200	900	1,200	200	S	S
Non-S&E occupations, total	272,800	98,800	81,500	165,300	22,300	85,100
Male	198,800	75,800	51,000	125,000	17,800	59,500
Female	74,000	23,100	30,500	40,300	4,500	25,600

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

Table E-7. Employed U.S. scientists and engineers, by highest degree attained, occupation, sex, and primary/secondary work activity : 1995

Highest degree, occupation, and sex	Employed S&Es, total	Primary/secondary work activity				
		Research and development	Teaching	Management, sales, admin	Computer applications	Professional services/ other
Doctorate — continued						
Managers/administrators	119,400	43,200	9,000	108,000	8,200	20,400
Male	95,400	36,900	7,000	86,400	6,700	14,200
Female	24,000	6,300	2,000	21,600	1,600	6,300
Health and related	22,500	6,700	4,700	7,200	700	18,500
Male	16,400	4,900	3,600	4,900	600	13,600
Female	6,100	1,700	1,100	2,300	100	4,900
Teachers, except S&E postsecondary	67,400	31,700	60,300	16,600	3,400	10,000
Male	39,400	20,600	34,300	8,300	2,500	5,700
Female	28,000	11,000	25,900	8,400	900	4,300
Sales/marketing	8,200	1,700	100	7,500	600	1,700
Male	6,600	1,500	100	6,000	500	1,500
Female	1,600	200	S	1,500	S	300
Other non-S&E occupations	55,200	15,600	7,400	26,000	9,400	34,500
Male	41,000	11,800	5,900	19,400	7,600	24,600
Female	14,200	3,700	1,500	6,600	1,800	9,900

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.
 Sum of primary/secondary work activity categories exceeds total because of multiple responses.

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)