

**Table C-10. Employed U.S. scientists and engineers, by level and field of highest degree attained, sex, and years since degree: 1997**

Level and field of highest degree, and years since degree	Employed S&Es, total	Years since degree							
		<5 years	5-9 years	10-14 years	15-19 years	20-24 years	25-29 years	30-34 years	35+ years
<b>All degree levels<sup>1</sup></b>									
<b>All degree fields, total</b> .....	10,585,600	1,892,900	1,742,500	1,726,000	1,616,600	1,548,200	1,033,900	523,600	501,800
Male .....	7,037,600	1,033,700	1,067,800	1,108,700	1,091,200	1,111,600	794,100	412,200	418,500
Female .....	3,548,000	859,200	674,800	617,300	525,400	436,600	239,900	111,500	83,300
<b>S&amp;E degree fields, total</b> .....	7,704,000	1,482,600	1,257,200	1,177,300	1,092,200	1,081,300	804,100	407,800	401,500
Male .....	5,119,400	831,600	781,900	763,900	728,000	758,600	609,300	315,300	330,800
Female .....	2,584,500	651,000	475,300	413,500	364,200	322,700	194,700	92,500	70,700
<b>Sciences, total</b> .....	5,794,700	1,174,600	946,400	849,800	810,800	866,400	612,000	287,100	247,700
Male .....	3,382,800	572,300	512,200	475,300	474,500	550,900	421,500	196,600	179,400
Female .....	2,411,900	602,200	434,200	374,500	336,200	315,500	190,500	90,500	68,300
<b>Computer/math sciences, total</b> .....	1,003,300	176,700	212,200	210,400	124,500	107,200	102,000	44,900	25,500
Male .....	678,500	121,000	141,300	136,400	87,200	72,100	73,200	31,100	16,100
Female .....	324,800	55,700	71,000	73,900	37,300	35,100	28,700	13,800	9,400
Computer/information sciences .....	543,800	111,400	149,100	157,500	71,800	34,300	17,200	1,800	600
Male .....	388,700	84,100	103,900	104,500	53,100	26,500	14,400	1,800	400
Female .....	155,000	27,300	45,200	53,000	18,700	7,800	2,800	S	200
Mathematical sciences .....	459,500	65,300	63,100	52,800	52,700	72,900	84,700	43,000	25,000
Male .....	289,700	36,900	37,400	31,900	34,100	45,600	58,800	29,200	15,800
Female .....	169,800	28,300	25,800	20,900	18,600	27,300	25,900	13,800	9,200
<b>Life/related sciences, total</b> ...	1,204,700	230,700	170,200	163,800	193,200	206,500	124,300	63,500	52,500
Male .....	722,600	116,800	91,200	90,400	115,600	134,700	90,600	45,100	38,300
Female .....	482,000	113,900	78,900	73,500	77,600	71,800	33,700	18,400	14,200
Agricultural/food sciences .....	218,700	29,600	25,200	35,800	43,400	35,700	20,200	12,200	16,500
Male .....	163,800	18,600	17,300	23,500	30,000	27,900	19,000	11,900	15,700
Female .....	54,900	11,100	7,900	12,300	13,300	7,900	1,200	300	800
Biological sciences .....	889,100	180,800	133,000	113,900	133,200	151,200	96,900	48,300	31,800
Male .....	487,300	86,600	67,100	58,200	72,600	89,300	64,900	30,300	18,400
Female .....	401,800	94,200	65,900	55,700	60,600	61,900	32,000	18,000	13,400
Environmental life sciences ...	96,900	20,200	12,000	14,100	16,600	19,600	7,200	3,000	4,200
Male .....	71,500	11,600	6,900	8,700	12,900	17,500	6,700	2,900	4,200
Female .....	25,400	8,600	5,100	5,400	3,700	2,000	500	100	S
<b>Physical/related sciences, total</b> .....	619,200	94,800	86,900	89,400	88,200	85,600	74,900	46,900	52,500
Male .....	487,400	63,800	61,700	71,100	71,700	68,500	64,200	39,900	46,500
Female .....	131,800	31,000	25,100	18,300	16,500	17,000	10,800	7,000	6,000
Chemistry, except biochemistry .....	275,100	41,900	37,900	34,100	35,100	37,300	36,900	25,500	26,500
Male .....	198,000	24,600	23,600	25,600	25,200	28,500	29,600	19,200	21,800
Female .....	77,100	17,200	14,300	8,500	9,900	8,800	7,300	6,300	4,700
Earth science, geology and oceanography .....	146,900	22,900	17,200	30,100	28,200	22,400	12,100	4,400	9,600
Male .....	122,200	15,700	13,400	25,800	24,400	17,200	11,600	4,400	9,600
Female .....	24,700	7,200	3,700	4,300	3,700	5,200	500	S	S

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

**Table C-10. Employed U.S. scientists and engineers, by level and field of highest degree attained, sex, and years since degree: 1997**

Level and field of highest degree, and years since degree	Employed S&Es, total	Years since degree							
		<5 years	5-9 years	10-14 years	15-19 years	20-24 years	25-29 years	30-34 years	35+ years
<b>All degree levels<sup>1</sup> — continued</b>									
Physics/astronomy .....	144,100	23,100	22,500	16,000	18,800	17,400	20,400	13,900	12,000
Male .....	129,900	19,900	19,400	14,200	16,700	15,900	19,000	13,500	11,300
Female .....	14,200	3,200	3,100	1,700	2,000	1,500	1,500	400	800
Other physical sciences .....	53,000	7,000	9,300	9,200	6,200	8,400	5,500	3,100	4,400
Male .....	37,200	3,500	5,200	5,400	5,300	6,900	4,000	2,800	3,900
Female .....	15,800	3,500	4,100	3,800	900	1,400	1,400	200	500
<b>Social/related sciences, total</b> .....	<b>2,967,600</b>	<b>672,400</b>	<b>477,100</b>	<b>386,200</b>	<b>404,900</b>	<b>467,100</b>	<b>310,800</b>	<b>131,900</b>	<b>117,100</b>
Male .....	1,494,300	270,800	218,000	177,500	200,100	275,600	193,500	80,500	78,500
Female .....	1,473,300	401,600	259,100	208,800	204,900	191,600	117,300	51,300	38,700
Economics .....	402,800	69,700	71,600	60,500	51,200	51,300	42,100	26,200	30,200
Male .....	309,600	47,700	49,500	40,700	37,700	45,900	38,200	23,500	26,400
Female .....	93,200	22,000	22,100	19,800	13,500	5,300	4,000	2,800	3,800
Political/related sciences .....	558,700	130,900	109,000	76,400	62,600	78,400	52,200	27,000	22,200
Male .....	357,900	70,700	63,700	49,000	37,800	60,700	39,800	19,800	16,500
Female .....	200,700	60,200	45,300	27,400	24,900	17,600	12,400	7,200	5,700
Psychology .....	1,112,800	277,300	181,400	155,100	168,200	178,600	94,900	28,400	28,900
Male .....	425,500	77,100	57,600	47,000	66,800	86,800	58,300	14,700	17,300
Female .....	687,300	200,200	123,800	108,100	101,400	91,800	36,600	13,700	11,700
Sociology/anthropology .....	558,600	114,600	67,600	55,200	81,200	107,700	79,700	31,300	21,200
Male .....	228,600	41,000	23,600	21,400	36,200	51,300	33,600	12,400	9,100
Female .....	330,000	73,600	44,000	33,800	45,100	56,400	46,100	18,900	12,100
Other social sciences .....	334,800	79,900	47,400	39,100	41,700	51,200	41,800	18,900	14,700
Male .....	172,700	34,300	23,600	19,400	21,600	30,800	23,600	10,100	9,200
Female .....	162,100	45,600	23,900	19,700	20,100	20,400	18,200	8,800	5,400
<b>Engineering, total</b> .....	<b>1,909,200</b>	<b>308,000</b>	<b>310,700</b>	<b>327,500</b>	<b>281,400</b>	<b>214,900</b>	<b>192,100</b>	<b>120,700</b>	<b>153,900</b>
Male .....	1,736,600	259,300	269,700	288,600	253,500	207,600	187,900	118,700	151,400
Female .....	172,600	48,800	41,100	39,000	27,900	7,300	4,200	2,000	2,400
Aerospace/related engineering .....	77,400	9,900	13,800	14,700	10,100	9,500	8,800	5,900	4,700
Male .....	72,200	8,800	12,000	13,700	9,300	9,300	8,800	5,700	4,700
Female .....	5,200	1,100	1,800	1,000	800	200	S	200	S
Chemical engineering .....	138,400	23,100	17,900	24,600	22,000	14,200	17,400	9,300	10,000
Male .....	115,100	16,600	13,000	19,700	18,300	13,200	16,300	8,200	9,800
Female .....	23,300	6,400	4,900	4,900	3,800	1,000	1,000	1,000	200
Civil/architectural engineering .....	322,300	47,200	42,600	49,200	54,500	42,300	33,500	23,200	29,800
Male .....	290,400	38,400	36,500	42,600	48,300	40,200	32,800	22,900	28,700
Female .....	31,900	8,800	6,100	6,600	6,300	2,200	600	200	1,100
Electrical/related engineering .....	582,100	100,300	111,600	105,000	78,200	64,000	56,000	35,500	31,400
Male .....	541,200	88,100	100,400	95,000	73,200	62,700	55,700	35,300	30,700
Female .....	40,900	12,200	11,200	10,000	5,000	1,300	300	200	700

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

**Table C-10. Employed U.S. scientists and engineers, by level and field of highest degree attained, sex, and years since degree: 1997**

Level and field of highest degree, and years since degree	Employed S&Es, total	Years since degree							
		<5 years	5-9 years	10-14 years	15-19 years	20-24 years	25-29 years	30-34 years	35+ years
<b>All degree levels<sup>1</sup> — continued</b>									
Industrial engineering .....	105,400	17,400	18,500	18,700	14,200	9,300	12,000	5,000	10,300
Male .....	87,100	13,300	12,700	14,300	11,100	8,900	12,000	5,000	9,900
Female .....	18,300	4,100	5,700	4,400	3,100	400	S	S	500
Mechanical engineering .....	386,100	66,800	62,400	67,200	50,200	37,200	35,400	25,300	41,600
Male .....	365,000	59,600	57,900	62,700	46,900	36,100	34,900	25,300	41,500
Female .....	21,000	7,200	4,500	4,500	3,300	1,000	500	S	100
Other engineering .....	297,500	43,300	44,000	48,100	52,100	38,400	29,000	16,600	26,100
Male .....	265,600	34,500	37,100	40,500	46,500	37,400	27,300	16,200	26,100
Female .....	31,900	8,800	6,800	7,500	5,600	1,100	1,700	400	S
<b>Non-S&amp;E degrees, total</b> .....	<b>2,881,700</b>	<b>410,300</b>	<b>485,400</b>	<b>548,700</b>	<b>524,400</b>	<b>466,900</b>	<b>229,900</b>	<b>115,900</b>	<b>100,200</b>
Male .....	1,918,200	202,100	285,900	344,800	363,200	353,000	184,700	96,800	87,600
Female .....	963,500	208,200	199,500	203,800	161,200	113,900	45,100	19,000	12,600
<b>Bachelor's</b>									
<b>All degree fields, total</b> .....	<b>6,193,700</b>	<b>1,117,100</b>	<b>990,900</b>	<b>975,500</b>	<b>900,100</b>	<b>889,500</b>	<b>628,000</b>	<b>332,700</b>	<b>359,800</b>
Male .....	4,056,500	596,300	600,400	642,500	601,900	616,300	460,700	247,600	290,900
Female .....	2,137,200	520,800	390,500	333,000	298,300	273,200	167,400	85,100	68,900
<b>S&amp;E degree fields, total</b> .....	<b>5,683,700</b>	<b>1,092,200</b>	<b>923,700</b>	<b>854,900</b>	<b>790,400</b>	<b>796,800</b>	<b>581,300</b>	<b>305,700</b>	<b>338,600</b>
Male .....	3,709,600	588,200	559,300	560,600	527,500	547,300	423,900	228,600	274,100
Female .....	1,974,100	504,000	364,400	294,400	262,900	249,500	157,400	77,000	64,500
<b>Sciences, total</b> .....	<b>4,303,400</b>	<b>896,400</b>	<b>713,000</b>	<b>606,400</b>	<b>574,800</b>	<b>646,600</b>	<b>445,400</b>	<b>216,700</b>	<b>204,100</b>
Male .....	2,453,600	424,200	377,000	342,400	333,700	402,600	291,100	141,400	141,400
Female .....	1,849,800	472,200	336,000	264,100	241,100	244,000	154,400	75,300	62,700
<b>Computer/math sciences, total</b> .....	<b>721,600</b>	<b>117,400</b>	<b>153,100</b>	<b>164,700</b>	<b>85,800</b>	<b>73,800</b>	<b>70,500</b>	<b>33,600</b>	<b>22,600</b>
Male .....	474,600	77,200	99,400	106,100	57,700	51,100	48,100	21,600	13,500
Female .....	246,900	40,200	53,700	58,600	28,100	22,700	22,500	12,100	9,000
Computer/information sciences .....	385,000	69,800	107,500	124,400	49,900	22,300	9,800	700	500
Male .....	269,500	51,400	73,400	82,700	35,900	17,200	7,900	700	300
Female .....	115,500	18,400	34,200	41,700	14,000	5,100	1,900	S	200
Mathematical sciences .....	336,600	47,600	45,600	40,300	35,900	51,400	60,800	32,900	22,100
Male .....	205,200	25,800	26,000	23,400	21,800	33,800	40,200	20,800	13,300
Female .....	131,400	21,700	19,600	16,900	14,100	17,600	20,600	12,100	8,800
<b>Life/related sciences, total</b> .....	<b>884,500</b>	<b>175,400</b>	<b>118,200</b>	<b>114,300</b>	<b>142,600</b>	<b>157,400</b>	<b>89,000</b>	<b>45,500</b>	<b>42,200</b>
Male .....	515,700	85,600	62,500	61,600	83,500	99,000	62,900	31,300	29,300
Female .....	368,800	89,800	55,800	52,600	59,100	58,400	26,000	14,100	12,900
Agricultural/food sciences .....	175,200	22,800	17,500	28,300	36,300	30,000	16,300	9,300	14,700
Male .....	130,600	14,200	11,500	18,400	25,000	23,200	15,100	9,000	14,200
Female .....	44,600	8,600	6,000	9,900	11,300	6,800	1,200	300	600
Biological sciences .....	634,500	137,700	92,000	75,800	93,900	110,900	66,800	33,500	23,900
Male .....	328,900	63,500	45,700	36,700	48,500	60,900	42,400	19,700	11,500
Female .....	305,600	74,300	46,300	39,100	45,500	50,000	24,400	13,800	12,400

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

**Table C-10. Employed U.S. scientists and engineers, by level and field of highest degree attained, sex, and years since degree: 1997**

Level and field of highest degree, and years since degree	Employed S&Es, total	Years since degree							
		<5 years	5-9 years	10-14 years	15-19 years	20-24 years	25-29 years	30-34 years	35+ years
<b>Bachelor's — continued</b>									
Environmental life sciences ...	74,800	14,800	8,800	10,100	12,400	16,600	5,900	2,600	3,600
Male .....	56,200	7,900	5,200	6,500	10,000	15,000	5,400	2,600	3,600
Female .....	18,500	6,900	3,500	3,600	2,400	1,600	500	S	S
<b>Physical/related sciences, total</b> .....	<b>381,900</b>	<b>57,700</b>	<b>51,800</b>	<b>54,200</b>	<b>57,500</b>	<b>51,000</b>	<b>41,400</b>	<b>28,700</b>	<b>39,400</b>
Male .....	292,800	36,500	36,000	43,600	45,200	39,900	33,800	23,500	34,200
Female .....	89,100	21,200	15,800	10,600	12,300	11,100	7,600	5,200	5,200
Chemistry, except biochemistry .....	176,100	27,100	25,000	18,900	22,400	23,500	22,400	16,600	20,200
Male .....	121,300	15,000	14,600	13,800	14,900	18,000	17,000	12,000	16,000
Female .....	54,800	12,100	10,500	5,100	7,500	5,500	5,400	4,600	4,200
Earth science, geology and oceanography .....	96,300	14,200	9,400	21,000	20,700	13,700	7,100	2,000	8,200
Male .....	80,700	9,500	7,600	19,000	18,000	9,800	6,700	2,000	8,200
Female .....	15,600	4,700	1,800	1,900	2,800	3,900	500	S	S
Physics/astronomy .....	68,800	11,000	11,600	7,400	9,500	6,800	7,600	8,000	6,800
Male .....	62,300	9,400	10,100	6,900	8,300	6,400	7,300	7,600	6,200
Female .....	6,500	1,600	1,600	500	1,200	400	300	400	600
Other physical sciences .....	40,700	5,500	5,800	6,900	4,800	7,000	4,300	2,100	4,300
Male .....	28,600	2,700	3,800	3,800	3,900	5,700	2,900	2,000	3,800
Female .....	12,200	2,800	2,000	3,100	900	1,300	1,400	200	500
<b>Social/related sciences, total</b> .....	<b>2,315,500</b>	<b>545,900</b>	<b>389,800</b>	<b>273,300</b>	<b>288,900</b>	<b>364,400</b>	<b>244,500</b>	<b>108,800</b>	<b>99,900</b>
Male .....	1,170,500	224,900	179,100	131,000	147,400	212,600	146,200	64,900	64,400
Female .....	1,145,000	321,000	210,700	142,200	141,500	151,800	98,300	43,900	35,500
Economics .....	337,300	58,800	62,800	50,500	42,300	39,700	33,500	22,300	27,500
Male .....	258,800	39,400	42,800	33,400	31,800	36,800	30,500	20,200	24,000
Female .....	78,500	19,400	19,900	17,100	10,500	2,900	3,000	2,200	3,500
Political/related sciences .....	476,100	113,500	97,100	66,200	48,400	65,600	43,100	23,700	18,700
Male .....	302,400	61,200	56,100	42,300	30,000	49,600	32,400	17,600	13,100
Female .....	173,700	52,300	41,000	23,900	18,300	16,000	10,700	6,100	5,500
Psychology .....	750,000	208,200	134,600	83,400	100,100	120,100	62,500	19,000	22,000
Male .....	279,800	60,300	42,000	24,700	39,800	55,200	37,800	8,300	11,700
Female .....	470,200	147,900	92,700	58,700	60,300	64,900	24,700	10,700	10,300
Sociology/anthropology .....	496,300	102,300	60,000	45,600	69,700	98,500	72,900	28,100	19,100
Male .....	196,900	35,900	19,900	17,300	29,500	46,500	28,700	11,100	7,900
Female .....	299,400	66,500	40,100	28,300	40,200	52,000	44,200	16,900	11,200
Other social sciences .....	255,900	63,000	35,300	27,600	28,500	40,500	32,600	15,700	12,700
Male .....	132,600	28,000	18,200	13,400	16,400	24,400	16,900	7,600	7,700
Female .....	123,300	35,000	17,100	14,200	12,100	16,000	15,700	8,100	5,000
<b>Engineering, total</b> .....	<b>1,380,300</b>	<b>195,800</b>	<b>210,700</b>	<b>248,500</b>	<b>215,700</b>	<b>150,200</b>	<b>135,800</b>	<b>89,000</b>	<b>134,500</b>
Male .....	1,256,000	164,100	182,300	218,200	193,800	144,700	132,800	87,300	132,700
Female .....	124,300	31,800	28,400	30,300	21,800	5,400	3,000	1,800	1,800

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

**Table C-10. Employed U.S. scientists and engineers, by level and field of highest degree attained, sex, and years since degree: 1997**

Level and field of highest degree, and years since degree	Employed S&Es, total	Years since degree							
		<5 years	5-9 years	10-14 years	15-19 years	20-24 years	25-29 years	30-34 years	35+ years
<b>Bachelor's — continued</b>									
Aerospace/related engineering .....	55,200	5,800	9,800	12,100	8,100	7,000	5,600	2,900	4,100
Male .....	50,900	5,000	8,300	11,300	7,200	6,800	5,600	2,700	4,100
Female .....	4,400	800	1,500	800	800	200	S	200	S
Chemical engineering .....	102,100	17,600	12,600	18,800	18,000	8,700	12,500	6,500	7,500
Male .....	82,200	12,200	8,500	14,600	14,500	7,900	11,700	5,600	7,400
Female .....	19,900	5,400	4,100	4,200	3,500	800	800	900	200
Civil/architectural engineering .....	243,800	33,100	32,000	37,200	42,200	30,800	23,900	18,000	26,600
Male .....	219,800	27,000	27,300	32,000	36,900	29,400	23,500	17,800	25,900
Female .....	23,900	6,100	4,700	5,200	5,300	1,400	300	200	700
Electrical/related engineering .....	413,200	61,700	72,900	78,700	60,000	45,600	40,300	27,600	26,400
Male .....	384,400	54,400	65,300	70,400	56,400	44,500	40,200	27,400	25,900
Female .....	28,800	7,400	7,600	8,300	3,600	1,200	200	200	500
Industrial engineering .....	79,300	10,200	12,500	15,600	11,500	6,300	9,700	4,400	9,200
Male .....	65,800	7,400	8,700	12,100	8,700	6,100	9,700	4,400	8,700
Female .....	13,500	2,800	3,800	3,400	2,800	200	S	S	500
Mechanical engineering .....	308,500	49,100	47,400	55,400	41,500	29,900	27,200	20,300	37,600
Male .....	292,000	43,500	44,400	51,600	38,700	29,000	26,900	20,300	37,600
Female .....	16,500	5,600	3,100	3,800	2,800	900	300	S	S
Other engineering .....	178,200	18,300	23,500	30,700	34,500	21,800	16,700	9,400	23,200
Male .....	160,900	14,600	19,900	26,200	31,500	21,200	15,300	9,200	23,200
Female .....	17,300	3,800	3,600	4,500	3,000	700	1,400	300	S
<b>Non-S&amp;E degrees, total</b> .....	<b>510,000</b>	<b>24,800</b>	<b>67,200</b>	<b>120,600</b>	<b>109,700</b>	<b>92,700</b>	<b>46,800</b>	<b>27,100</b>	<b>21,100</b>
Male .....	346,900	8,000	41,100	81,900	74,300	69,000	36,800	19,000	16,700
Female .....	163,100	16,800	26,100	38,600	35,400	23,800	10,000	8,000	4,400
<b>Master's</b>									
<b>All degree fields, total</b> .....	<b>2,819,800</b>	<b>543,700</b>	<b>501,400</b>	<b>474,400</b>	<b>450,600</b>	<b>413,000</b>	<b>260,300</b>	<b>110,800</b>	<b>65,600</b>
Male .....	1,800,500	298,900	302,200	281,300	284,900	289,700	199,700	88,700	55,000
Female .....	1,019,300	244,800	199,200	193,100	165,600	123,400	60,600	22,100	10,600
<b>S&amp;E degree fields, total</b> .....	<b>1,431,600</b>	<b>282,000</b>	<b>238,300</b>	<b>231,400</b>	<b>217,700</b>	<b>205,900</b>	<b>149,300</b>	<b>67,200</b>	<b>39,800</b>
Male .....	960,000	173,000	158,200	138,200	136,300	146,000	119,300	54,100	34,800
Female .....	471,600	109,000	80,200	93,200	81,300	59,900	30,000	13,100	5,000
<b>Sciences, total</b> .....	<b>1,001,000</b>	<b>191,300</b>	<b>157,000</b>	<b>164,500</b>	<b>162,300</b>	<b>152,700</b>	<b>107,200</b>	<b>42,200</b>	<b>23,700</b>
Male .....	571,600	96,700	87,700	79,400	86,500	94,500	78,200	29,300	19,400
Female .....	429,400	94,600	69,400	85,200	75,800	58,200	29,000	12,800	4,400
<b>Computer/math sciences, total</b> .....	<b>244,700</b>	<b>51,500</b>	<b>52,800</b>	<b>40,700</b>	<b>34,100</b>	<b>28,800</b>	<b>26,300</b>	<b>8,600</b>	<b>1,800</b>
Male .....	172,100	37,600	36,900	26,100	25,600	17,000	20,500	7,000	1,500
Female .....	72,500	13,900	15,900	14,600	8,500	11,800	5,800	1,600	300

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

**Table C-10. Employed U.S. scientists and engineers, by level and field of highest degree attained, sex, and years since degree: 1997**

Level and field of highest degree, and years since degree	Employed S&Es, total	Years since degree							
		<5 years	5-9 years	10-14 years	15-19 years	20-24 years	25-29 years	30-34 years	35+ years
<b>Master's — continued</b>									
Computer/information sciences .....	148,800	37,700	38,800	31,500	20,600	11,700	7,400	1,100	100
Male .....	110,900	29,300	28,300	20,500	16,100	9,000	6,400	1,100	100
Female .....	37,900	8,400	10,400	11,100	4,500	2,700	900	S	S
Mathematical sciences .....	95,800	13,900	14,000	9,200	13,400	17,100	18,900	7,500	1,700
Male .....	61,200	8,300	8,500	5,600	9,400	8,000	14,100	5,900	1,400
Female .....	34,600	5,600	5,500	3,600	4,000	9,100	4,900	1,600	300
<b>Life/related sciences, total ...</b>	<b>156,600</b>	<b>25,600</b>	<b>24,400</b>	<b>22,500</b>	<b>25,100</b>	<b>27,900</b>	<b>17,400</b>	<b>9,600</b>	<b>4,100</b>
Male .....	90,500	14,000	12,200	10,100	13,600	18,800	12,400	6,200	3,300
Female .....	66,100	11,600	12,200	12,400	11,500	9,100	5,100	3,400	800
Agricultural/food sciences .....	26,700	4,600	4,700	4,400	4,200	4,000	1,800	1,800	1,100
Male .....	19,100	2,800	3,400	2,600	2,800	3,000	1,800	1,800	900
Female .....	7,600	1,800	1,300	1,900	1,400	1,000	S	S	200
Biological sciences .....	112,500	16,600	17,200	14,800	17,400	21,800	14,700	7,600	2,400
Male .....	60,400	8,400	7,700	6,000	8,600	14,000	9,700	4,200	1,800
Female .....	52,100	8,200	9,500	8,900	8,800	7,800	5,100	3,300	600
Environmental life sciences ...	17,400	4,300	2,500	3,200	3,500	2,100	900	200	600
Male .....	11,000	2,900	1,100	1,500	2,200	1,800	900	100	600
Female .....	6,300	1,500	1,400	1,700	1,300	400	S	100	S
<b>Physical/related sciences, total .....</b>	<b>114,500</b>	<b>18,800</b>	<b>17,400</b>	<b>17,800</b>	<b>14,100</b>	<b>18,100</b>	<b>14,800</b>	<b>8,000</b>	<b>5,400</b>
Male .....	86,300	12,300	11,800	12,900	11,700	13,300	12,700	6,700	4,900
Female .....	28,200	6,400	5,700	4,900	2,500	4,800	2,100	1,400	400
Chemistry, except biochemistry .....	36,500	6,000	3,800	6,200	4,000	6,500	4,700	3,300	1,900
Male .....	23,500	3,100	2,200	4,500	2,700	3,800	3,500	2,000	1,600
Female .....	13,000	2,900	1,600	1,700	1,300	2,700	1,200	1,300	300
Earth science, geology and oceanography .....	34,400	6,100	5,400	6,700	5,100	5,700	3,300	1,300	700
Male .....	27,000	4,100	3,900	4,700	4,300	4,700	3,300	1,300	700
Female .....	7,400	2,000	1,500	2,000	800	1,100	S	S	S
Physics/astronomy .....	33,200	5,300	5,400	2,900	3,900	4,600	5,800	2,500	2,700
Male .....	28,600	4,500	4,500	2,300	3,500	3,700	4,900	2,500	2,500
Female .....	4,600	800	900	600	400	900	900	S	100
Other physical sciences .....	10,500	1,300	2,900	2,000	1,100	1,200	1,000	900	100
Male .....	7,300	600	1,100	1,300	1,100	1,100	1,000	800	100
Female .....	3,200	600	1,700	600	S	100	S	100	S
<b>Social/related sciences, total .....</b>	<b>485,300</b>	<b>95,500</b>	<b>62,400</b>	<b>83,500</b>	<b>88,900</b>	<b>77,900</b>	<b>48,600</b>	<b>16,000</b>	<b>12,500</b>
Male .....	222,700	32,800	26,800	30,300	35,700	45,400	32,600	9,500	9,700
Female .....	262,600	62,700	35,600	53,300	53,200	32,500	16,000	6,500	2,800
Economics .....	44,000	7,300	5,900	6,700	5,700	7,900	5,700	2,700	2,200
Male .....	32,700	5,500	4,400	4,700	3,000	6,100	4,900	2,200	2,000
Female .....	11,200	1,800	1,400	2,000	2,600	1,800	800	500	200

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

**Table C-10. Employed U.S. scientists and engineers, by level and field of highest degree attained, sex, and years since degree: 1997**

Level and field of highest degree, and years since degree	Employed S&Es, total	Years since degree							
		<5 years	5-9 years	10-14 years	15-19 years	20-24 years	25-29 years	30-34 years	35+ years
<b>Master's — continued</b>									
Political/related sciences .....	66,000	14,700	9,700	7,700	12,000	10,000	6,800	2,400	2,700
Male .....	42,300	7,600	5,900	4,800	5,900	9,000	5,300	1,200	2,600
Female .....	23,800	7,100	3,800	2,900	6,100	1,000	1,500	1,200	100
Psychology .....	271,500	51,300	32,600	54,200	53,600	45,900	24,100	5,700	4,100
Male .....	98,100	11,600	9,900	13,900	19,100	23,300	14,100	3,400	3,000
Female .....	173,300	39,800	22,700	40,300	34,500	22,600	10,000	2,300	1,100
Sociology/anthropology .....	39,500	8,200	4,600	5,700	7,100	5,200	4,600	2,400	1,700
Male .....	18,200	3,200	2,400	2,000	3,900	2,100	3,200	600	800
Female .....	21,300	5,100	2,200	3,700	3,100	3,100	1,400	1,800	900
Other social sciences .....	64,300	13,800	9,600	9,300	10,600	8,900	7,500	2,800	1,700
Male .....	31,300	4,900	4,200	5,000	3,700	4,900	5,200	2,100	1,300
Female .....	33,000	9,000	5,400	4,300	6,900	4,000	2,300	600	500
<b>Engineering, total .....</b>	<b>430,600</b>	<b>90,700</b>	<b>81,300</b>	<b>66,900</b>	<b>55,400</b>	<b>53,200</b>	<b>42,100</b>	<b>25,000</b>	<b>16,000</b>
Male .....	388,400	76,400	70,500	58,900	49,800	51,500	41,100	24,800	15,400
Female .....	42,200	14,300	10,800	8,000	5,600	1,700	1,000	200	600
Aerospace/related engineering .....	18,200	3,200	3,400	2,200	1,700	2,000	2,500	2,500	500
Male .....	17,400	2,900	3,100	2,000	1,700	2,000	2,500	2,500	500
Female .....	800	300	300	200	S	S	S	S	S
Chemical engineering .....	23,000	3,300	2,900	4,100	2,800	3,800	2,700	1,600	1,800
Male .....	20,300	2,500	2,400	3,500	2,600	3,600	2,400	1,500	1,800
Female .....	2,700	800	600	600	200	200	200	100	S
Civil/architectural engineering .....	69,200	12,000	8,900	10,800	11,800	10,300	7,900	4,600	2,900
Male .....	61,800	9,600	7,600	9,400	10,900	9,500	7,800	4,500	2,600
Female .....	7,400	2,500	1,300	1,400	900	800	200	100	400
Electrical/related engineering .....	142,700	31,800	33,600	23,100	15,900	15,700	12,200	6,200	4,200
Male .....	131,900	27,700	30,400	21,400	14,500	15,600	12,100	6,200	4,000
Female .....	10,700	4,100	3,200	1,600	1,300	100	100	S	200
Industrial engineering .....	22,800	6,200	5,000	2,700	2,700	2,600	1,700	600	1,100
Male .....	18,700	5,000	3,500	1,900	2,400	2,400	1,700	600	1,100
Female .....	4,100	1,200	1,600	900	300	200	S	S	S
Mechanical engineering .....	65,800	14,800	12,400	10,200	7,500	5,900	6,900	4,500	3,600
Male .....	61,700	13,400	11,100	9,600	7,000	5,800	6,700	4,500	3,500
Female .....	4,100	1,400	1,300	600	500	100	200	S	100
Other engineering .....	89,100	19,300	15,000	13,900	13,000	12,900	8,200	5,000	1,800
Male .....	76,600	15,200	12,400	11,100	10,700	12,600	7,900	5,000	1,800
Female .....	12,500	4,100	2,600	2,800	2,300	300	300	100	S

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

**Table C-10. Employed U.S. scientists and engineers, by level and field of highest degree attained, sex, and years since degree: 1997**

Level and field of highest degree, and years since degree	Employed S&Es, total	Years since degree							
		<5 years	5-9 years	10-14 years	15-19 years	20-24 years	25-29 years	30-34 years	35+ years
<b>Master's — continued</b>									
<b>Non-S&amp;E degrees, total</b> .....	1,388,200	261,700	263,100	242,900	232,900	207,100	111,000	43,600	25,800
Male .....	840,500	125,900	144,100	143,000	148,600	143,600	80,400	34,600	20,200
Female .....	547,700	135,800	119,000	99,900	84,300	63,500	30,600	9,000	5,600
<b>Doctorate</b>									
<b>All degree fields, total</b> .....	696,000	127,900	116,300	108,600	99,400	93,400	85,300	39,500	25,600
Male .....	528,000	81,400	78,800	76,400	75,100	77,800	77,400	36,900	24,300
Female .....	168,000	46,500	37,600	32,200	24,400	15,600	7,900	2,600	1,200
<b>S&amp;E degree fields, total</b> .....	580,300	104,900	94,500	88,800	83,000	77,800	73,500	34,800	23,000
Male .....	446,000	68,400	64,300	64,200	63,900	64,900	66,100	32,400	21,700
Female .....	134,300	36,400	30,200	24,600	19,200	12,900	7,300	2,300	1,200
<b>Sciences, total</b> .....	482,000	83,500	75,800	76,700	72,700	66,300	59,400	28,100	19,700
Male .....	353,900	49,700	47,400	52,700	54,000	53,500	52,200	25,800	18,400
Female .....	128,200	33,800	28,300	24,000	18,600	12,700	7,200	2,300	1,200
<b>Computer/math sciences, total</b> .....	36,900	7,600	6,300	5,000	4,600	4,600	5,100	2,600	1,100
Male .....	31,500	6,000	5,000	4,200	4,000	4,100	4,700	2,500	1,100
Female .....	5,300	1,600	1,300	700	600	500	400	100	S
Computer/information sciences .....	9,700	3,800	2,800	1,600	1,200	200	100	S	S
Male .....	8,200	3,200	2,200	1,400	1,100	200	100	S	S
Female .....	1,600	500	600	300	100	S	S	S	S
Mathematical sciences .....	27,200	3,800	3,500	3,300	3,400	4,300	5,000	2,600	1,100
Male .....	23,400	2,800	2,800	2,900	2,900	3,800	4,600	2,500	1,100
Female .....	3,800	1,000	700	500	500	500	400	100	S
<b>Life/related sciences, total</b> ...	162,500	28,600	27,500	27,100	25,500	21,200	17,900	8,500	6,200
Male .....	115,400	16,200	16,500	18,600	18,500	16,900	15,300	7,600	5,800
Female .....	47,100	12,400	11,000	8,500	6,900	4,300	2,600	900	400
Agricultural/food sciences .....	16,800	2,200	3,000	3,100	2,900	1,800	2,100	1,100	700
Male .....	14,100	1,600	2,300	2,500	2,300	1,700	2,000	1,000	700
Female .....	2,700	600	700	600	600	100	100	S	S
Biological sciences .....	141,200	25,600	23,800	23,300	21,900	18,500	15,400	7,200	5,500
Male .....	97,300	14,000	13,600	15,500	15,600	14,400	12,800	6,400	5,100
Female .....	43,900	11,600	10,200	7,800	6,300	4,200	2,600	900	400
Environmental life sciences ...	4,500	800	700	800	700	900	400	200	S
Male .....	4,000	600	600	700	700	800	400	200	S
Female .....	500	100	200	100	S	S	S	S	S

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



**Table C-10. Employed U.S. scientists and engineers, by level and field of highest degree attained, sex, and years since degree: 1997**

Level and field of highest degree, and years since degree	Employed S&Es, total	Years since degree							
		<5 years	5-9 years	10-14 years	15-19 years	20-24 years	25-29 years	30-34 years	35+ years
<b>Doctorate — continued</b>									
<b>Physical/related sciences, total</b> .....	122,200	17,800	17,600	17,300	16,500	16,400	18,700	10,100	7,700
Male .....	107,700	14,400	14,000	14,500	14,800	15,300	17,600	9,700	7,400
Female .....	14,500	3,400	3,700	2,800	1,700	1,100	1,100	400	300
Chemistry, except biochemistry .....	62,500	8,700	9,100	9,000	8,700	7,300	9,800	5,500	4,500
Male .....	53,200	6,500	6,900	7,200	7,600	6,600	9,100	5,200	4,200
Female .....	9,300	2,200	2,200	1,800	1,100	700	700	400	300
Earth science, geology and oceanography .....	16,100	2,400	2,400	2,400	2,300	3,000	1,700	1,200	700
Male .....	14,300	2,000	1,900	2,000	2,100	2,800	1,600	1,100	700
Female .....	1,700	400	500	400	200	200	100	S	S
Physics/astronomy .....	41,800	6,400	5,500	5,600	5,300	6,000	7,000	3,400	2,600
Male .....	38,700	5,600	4,800	5,000	4,900	5,800	6,700	3,400	2,500
Female .....	3,000	700	600	600	400	200	300	S	100
Other physical sciences .....	1,800	300	700	300	300	100	100	100	S
Male .....	1,400	200	300	300	200	100	100	100	S
Female .....	400	S	300	S	S	S	S	S	S
<b>Social/related sciences, total</b> .....	160,500	29,500	24,300	27,300	26,000	24,100	17,700	6,900	4,600
Male .....	99,200	13,100	12,000	15,300	16,600	17,300	14,600	6,000	4,200
Female .....	61,300	16,400	12,300	12,000	9,400	6,800	3,000	900	400
Economics .....	21,500	3,500	3,000	3,300	3,300	3,700	3,000	1,200	500
Male .....	18,100	2,700	2,300	2,600	2,900	3,000	2,800	1,100	500
Female .....	3,500	800	800	700	300	600	200	100	100
Political/related sciences .....	16,500	2,700	2,200	2,500	2,300	2,800	2,400	900	800
Male .....	13,200	1,800	1,700	1,900	1,800	2,200	2,200	900	700
Female .....	3,300	800	500	600	500	700	200	S	S
Psychology .....	85,000	16,300	13,500	15,300	13,400	11,800	8,300	3,500	2,700
Male .....	45,700	5,200	5,600	7,500	7,600	8,000	6,400	2,900	2,400
Female .....	39,300	11,100	8,000	7,800	5,800	3,800	1,900	600	300
Sociology/anthropology .....	22,800	4,000	3,000	3,800	4,500	4,000	2,200	800	400
Male .....	13,500	1,900	1,300	2,100	2,700	2,700	1,700	700	400
Female .....	9,300	2,100	1,700	1,800	1,800	1,300	500	100	S
Other social sciences .....	14,600	3,000	2,500	2,300	2,500	1,900	1,800	500	200
Male .....	8,800	1,400	1,100	1,100	1,500	1,500	1,500	400	200
Female .....	5,900	1,600	1,400	1,100	1,000	400	200	100	S
<b>Engineering, total</b> .....	98,200	21,400	18,700	12,200	10,400	11,500	14,100	6,700	3,300
Male .....	92,100	18,700	16,900	11,500	9,800	11,400	13,900	6,700	3,300
Female .....	6,100	2,600	1,900	700	500	200	200	S	S
Aerospace/related engineering .....	4,000	900	600	400	300	500	700	500	100
Male .....	4,000	900	600	400	300	500	700	500	100
Female .....	100	S	S	S	S	S	S	S	S

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

**Table C-10. Employed U.S. scientists and engineers, by level and field of highest degree attained, sex, and years since degree: 1997**

Level and field of highest degree, and years since degree	Employed S&Es, total	Years since degree							
		<5 years	5-9 years	10-14 years	15-19 years	20-24 years	25-29 years	30-34 years	35+ years
<b>Doctorate — continued</b>									
Chemical engineering .....	13,300	2,200	2,400	1,700	1,200	1,700	2,200	1,200	700
Male .....	12,600	1,900	2,200	1,600	1,200	1,700	2,200	1,200	700
Female .....	700	300	200	100	S	S	S	S	S
Civil/architectural engineering	9,400	2,100	1,700	1,200	600	1,300	1,700	600	200
Male .....	8,800	1,800	1,600	1,200	500	1,300	1,600	600	200
Female .....	600	200	100	S	100	S	100	S	S
Electrical/related engineering	26,300	6,800	5,200	3,300	2,400	2,600	3,500	1,700	800
Male .....	24,900	6,000	4,700	3,200	2,300	2,600	3,500	1,700	800
Female .....	1,400	800	400	100	100	S	S	S	S
Industrial engineering .....	3,300	900	900	500	S	400	500	S	S
Male .....	2,600	800	500	300	S	400	500	S	S
Female .....	700	200	400	200	S	S	S	S	S
Mechanical engineering .....	11,800	2,900	2,500	1,600	1,200	1,400	1,400	500	400
Male .....	11,400	2,700	2,400	1,500	1,200	1,400	1,400	500	400
Female .....	400	200	100	100	S	S	S	S	S
Other engineering .....	30,100	5,600	5,500	3,500	4,600	3,700	4,000	2,100	1,100
Male .....	27,900	4,600	4,900	3,300	4,300	3,600	4,000	2,100	1,100
Female .....	2,200	1,000	600	200	200	100	S	S	S
<b>Non-S&amp;E degrees, total</b> .....	<b>115,800</b>	<b>23,100</b>	<b>21,800</b>	<b>19,700</b>	<b>16,400</b>	<b>15,600</b>	<b>11,800</b>	<b>4,700</b>	<b>2,600</b>
Male .....	82,000	13,000	14,500	12,200	11,200	12,900	11,200	4,400	2,600
Female .....	33,700	10,100	7,400	7,500	5,200	2,700	600	300	S

1 Includes professional degrees

**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, 1995 or 1997 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, 1997 SESTAT (Scientists and Engineers Statistical Data System)