

**Table B-8. U.S. scientists and engineers, by level and field of highest degree attained, sex, and age: 1997**

Level and field of highest degree, and sex	S&Es, total	Age range				
		<30	30-39	40-49	50-59	60+
<b>All degree levels<sup>1</sup></b>						
<b>All degree fields, total</b> .....	12,530,700	1,696,700	3,052,400	3,697,500	2,341,800	1,742,200
Male .....	8,103,400	874,200	1,862,600	2,370,700	1,667,000	1,328,800
Female .....	4,427,300	822,500	1,189,800	1,326,800	674,800	413,500
<b>S&amp;E degree fields, total</b> .....	9,269,200	1,558,800	2,277,100	2,535,900	1,600,800	1,296,700
Male .....	5,983,600	817,900	1,413,500	1,618,500	1,141,000	992,700
Female .....	3,285,600	740,900	863,600	917,400	459,800	303,900
<b>Sciences, total</b> .....	6,977,800	1,281,400	1,632,300	2,007,800	1,229,400	826,800
Male .....	3,897,000	589,500	867,100	1,131,200	779,300	530,000
Female .....	3,080,800	691,900	765,200	876,700	450,200	296,800
<b>Computer/math sciences, total</b> .....	1,136,000	152,400	386,600	310,600	196,400	90,000
Male .....	742,900	96,200	248,300	196,000	140,000	62,400
Female .....	393,100	56,200	138,300	114,600	56,400	27,600
Computer/information sciences .....	581,500	86,200	274,200	158,400	53,700	9,100
Male .....	402,400	61,500	182,600	111,200	40,800	6,400
Female .....	179,100	24,700	91,600	47,200	12,900	2,700
Mathematical sciences .....	554,500	66,200	112,400	152,200	142,700	80,900
Male .....	340,400	34,700	65,700	84,800	99,200	56,000
Female .....	214,100	31,500	46,700	67,400	43,500	24,900
<b>Life/related sciences, total</b> .....	1,475,600	282,800	325,100	463,000	238,700	166,000
Male .....	852,400	140,900	162,600	274,100	159,300	115,500
Female .....	623,200	141,900	162,500	189,000	79,400	50,500
Agricultural/food sciences .....	260,300	28,600	67,600	84,500	36,900	42,700
Male .....	193,500	17,300	41,600	59,100	35,000	40,500
Female .....	66,800	11,300	25,900	25,500	1,900	2,200
Biological sciences .....	1,103,800	235,500	232,700	338,400	184,700	112,700
Male .....	578,100	112,900	107,700	183,800	108,800	64,900
Female .....	525,700	122,600	125,000	154,500	75,800	47,800
Environmental life sciences .....	111,500	18,700	24,900	40,100	17,200	10,600
Male .....	80,800	10,700	13,300	31,100	15,400	10,100
Female .....	30,700	8,000	11,500	9,000	1,700	500
<b>Physical/related sciences, total</b> .....	773,200	90,900	168,600	202,400	153,800	157,500
Male .....	588,200	58,100	120,600	155,600	127,000	126,900
Female .....	185,000	32,800	48,000	46,800	26,800	30,600
Chemistry, except biochemistry .....	359,500	45,000	68,400	87,900	81,500	76,600
Male .....	246,300	24,700	43,700	61,200	62,300	54,400
Female .....	113,200	20,300	24,700	26,700	19,200	22,300
Earth science, geology and oceanography .....	174,700	17,500	47,700	55,800	22,900	30,800
Male .....	143,600	11,800	37,600	45,300	19,400	29,500
Female .....	31,200	5,700	10,100	10,500	3,500	1,300
Physics/astronomy .....	173,000	20,500	39,100	38,200	39,900	35,300
Male .....	154,000	17,400	32,500	34,000	37,000	33,000
Female .....	18,900	3,000	6,600	4,200	2,800	2,300
Other physical sciences .....	66,000	7,900	13,400	20,600	9,500	14,700
Male .....	44,300	4,100	6,800	15,100	8,300	10,000
Female .....	21,700	3,800	6,500	5,400	1,200	4,700
<b>Social/related sciences, total</b> .....	3,593,000	755,400	752,000	1,031,800	640,600	413,300
Male .....	1,713,500	294,300	335,500	505,500	353,000	225,200
Female .....	1,879,500	461,000	416,400	526,300	287,600	188,100

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

**Table B-8. U.S. scientists and engineers, by level and field of highest degree attained, sex, and age: 1997**

Level and field of highest degree, and sex	S&Es, total	Age range				
		<30	30-39	40-49	50-59	60+
<b>All degree levels<sup>1</sup> — continued</b>						
Economics .....	485,600	91,100	121,800	119,100	73,900	79,800
Male .....	361,900	56,100	81,400	93,600	63,400	67,400
Female .....	123,700	35,000	40,400	25,400	10,500	12,400
Political/related sciences .....	664,400	177,600	171,600	152,800	99,000	63,400
Male .....	409,300	91,400	100,900	100,100	70,300	46,600
Female .....	255,100	86,200	70,700	52,700	28,700	16,800
Psychology .....	1,339,800	285,200	270,800	410,000	235,400	138,400
Male .....	485,200	74,800	75,400	164,400	111,700	58,900
Female .....	854,600	210,300	195,400	245,600	123,700	79,400
Sociology/anthropology .....	699,300	130,900	111,300	231,200	144,700	81,200
Male .....	260,900	44,900	41,600	85,300	63,200	25,900
Female .....	438,400	86,000	69,700	145,900	81,500	55,200
Other social sciences .....	403,900	70,600	76,400	118,700	87,600	50,600
Male .....	196,200	27,100	36,200	62,100	44,400	26,400
Female .....	207,700	43,400	40,200	56,600	43,100	24,200
<b>Engineering, total</b> .....	<b>2,291,400</b>	<b>277,300</b>	<b>644,800</b>	<b>528,000</b>	<b>371,400</b>	<b>469,900</b>
Male .....	2,086,600	228,400	546,400	487,300	361,700	462,800
Female .....	204,800	49,000	98,400	40,700	9,600	7,100
Aerospace/related engineering .....	95,500	11,700	26,300	19,400	18,400	19,800
Male .....	89,700	10,000	23,600	18,600	18,200	19,300
Female .....	5,800	1,700	2,600	800	200	500
Chemical engineering .....	172,000	23,500	46,100	37,400	28,900	36,100
Male .....	144,600	15,900	34,400	32,600	27,000	34,700
Female .....	27,400	7,600	11,600	4,800	2,000	1,400
Civil/architectural engineering .....	380,700	43,200	92,600	102,500	63,400	79,100
Male .....	342,900	33,900	77,300	93,100	61,100	77,500
Female .....	37,800	9,200	15,300	9,400	2,400	1,500
Electrical/related engineering .....	686,500	83,600	212,700	162,500	110,100	117,600
Male .....	636,600	72,800	185,700	153,000	108,900	116,100
Female .....	49,900	10,800	27,000	9,500	1,100	1,400
Industrial engineering .....	130,600	16,500	39,200	27,800	18,000	29,100
Male .....	109,500	11,600	28,000	23,300	17,900	28,600
Female .....	21,200	4,900	11,200	4,500	100	500
Mechanical engineering .....	468,800	63,100	135,400	88,800	70,400	111,200
Male .....	443,100	55,600	122,400	85,300	69,200	110,800
Female .....	25,600	7,500	13,000	3,500	1,200	400
Other engineering .....	357,300	35,900	92,600	89,600	62,200	77,000
Male .....	320,200	28,500	75,000	81,500	59,500	75,700
Female .....	37,200	7,400	17,600	8,200	2,700	1,400
<b>Non-S&amp;E degrees, total</b> .....	<b>3,261,500</b>	<b>137,900</b>	<b>775,400</b>	<b>1,161,700</b>	<b>741,000</b>	<b>445,600</b>
Male .....	2,119,700	56,400	449,100	752,200	526,000	336,000
Female .....	1,141,800	81,500	326,200	409,400	215,000	109,600
<b>Bachelor's</b>						
<b>All degree fields, total</b> .....	<b>7,469,000</b>	<b>1,426,900</b>	<b>1,909,400</b>	<b>2,049,300</b>	<b>1,113,500</b>	<b>969,800</b>
Male .....	4,734,100	734,000	1,168,300	1,308,100	786,500	737,200
Female .....	2,734,900	692,900	741,100	741,200	327,000	232,600

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

**Table B-8. U.S. scientists and engineers, by level and field of highest degree attained, sex, and age: 1997**

Level and field of highest degree, and sex	S&Es, total	Age range				
		<30	30-39	40-49	50-59	60+
<b>Bachelor's — continued</b>						
<b>S&amp;E degree fields, total</b> .....	6,906,400	1,415,300	1,737,700	1,826,300	1,010,600	916,600
Male .....	4,360,800	731,200	1,061,900	1,163,400	709,800	694,500
Female .....	2,545,600	684,100	675,800	662,900	300,800	222,100
<b>Sciences, total</b> .....	5,212,100	1,185,300	1,270,000	1,455,200	761,900	539,800
Male .....	2,816,600	542,100	666,300	817,900	467,200	323,100
Female .....	2,395,500	643,300	603,600	637,200	294,700	216,700
<b>Computer/math sciences, total</b> .....	817,000	131,500	300,200	210,800	117,800	56,800
Male .....	516,600	81,800	187,500	130,400	79,600	37,300
Female .....	300,400	49,700	112,600	80,400	38,200	19,500
Computer/information sciences .....	410,600	72,800	213,300	96,200	25,800	2,500
Male .....	276,100	51,100	138,300	66,900	18,200	1,600
Female .....	134,500	21,600	75,000	29,300	7,600	1,000
Mathematical sciences .....	406,400	58,700	86,800	114,600	92,000	54,300
Male .....	240,500	30,600	49,200	63,500	61,400	35,700
Female .....	165,900	28,100	37,600	51,100	30,500	18,500
<b>Life/related sciences, total</b> .....	1,090,600	266,000	241,600	337,300	139,700	106,000
Male .....	608,900	131,900	120,600	197,600	89,200	69,500
Female .....	481,800	134,100	121,000	139,700	50,500	36,500
Agricultural/food sciences .....	208,600	26,100	57,000	65,200	26,400	34,000
Male .....	154,900	16,000	35,800	45,000	25,400	32,700
Female .....	53,700	10,100	21,100	20,200	1,000	1,300
Biological sciences .....	796,400	222,100	166,300	242,200	101,700	64,100
Male .....	390,800	105,700	74,500	128,600	53,000	29,000
Female .....	405,600	116,400	91,800	113,600	48,700	35,200
Environmental life sciences .....	85,600	17,800	18,300	30,000	11,700	7,900
Male .....	63,200	10,200	10,200	24,000	10,800	7,900
Female .....	22,500	7,500	8,100	6,000	800	S
<b>Physical/related sciences, total</b> .....	489,000	79,400	105,700	125,900	78,900	99,100
Male .....	356,100	49,800	75,000	95,500	61,600	74,200
Female .....	133,000	29,600	30,700	30,400	17,300	24,900
Chemistry, except biochemistry .....	239,200	40,400	43,100	55,800	48,200	51,800
Male .....	153,600	22,100	26,400	37,600	34,700	32,900
Female .....	85,600	18,300	16,600	18,300	13,500	18,800
Earth science, geology and oceanography .....	114,400	15,000	33,700	35,500	10,100	20,000
Male .....	94,600	10,000	28,000	29,000	8,200	19,400
Female .....	19,800	5,100	5,800	6,500	1,900	600
Physics/astronomy .....	86,100	16,500	19,300	18,600	15,000	16,800
Male .....	75,800	13,900	15,700	17,000	13,900	15,300
Female .....	10,300	2,500	3,600	1,600	1,100	1,500
Other physical sciences .....	49,300	7,600	9,700	15,900	5,600	10,600
Male .....	32,000	3,800	4,900	11,800	4,900	6,500
Female .....	17,300	3,700	4,700	4,000	800	4,000
<b>Social/related sciences, total</b> .....	2,815,500	708,400	622,500	781,200	425,400	278,000
Male .....	1,335,100	278,600	283,200	394,500	236,700	142,100
Female .....	1,480,400	429,800	339,300	386,700	188,700	135,800
Economics .....	408,200	87,100	104,500	96,300	57,300	63,000
Male .....	301,600	53,400	69,000	78,100	49,300	51,800
Female .....	106,600	33,700	35,500	18,200	8,000	11,200

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

**Table B-8. U.S. scientists and engineers, by level and field of highest degree attained, sex, and age: 1997**

Level and field of highest degree, and sex	S&Es, total	Age range				
		<30	30-39	40-49	50-59	60+
<b>Bachelor's — continued</b>						
Political/related sciences .....	563,300	168,200	151,300	124,100	76,700	43,000
Male .....	342,900	87,200	90,400	82,600	53,300	29,200
Female .....	220,400	81,000	60,800	41,400	23,400	13,700
Psychology .....	910,900	260,500	204,600	263,300	111,300	71,200
Male .....	318,100	69,300	56,700	108,800	56,200	27,100
Female .....	592,800	191,300	147,800	154,500	55,200	44,100
Sociology/anthropology .....	623,000	127,200	100,200	206,100	121,300	68,200
Male .....	223,200	43,100	37,200	75,300	49,600	18,000
Female .....	399,800	84,100	63,000	130,800	71,700	50,200
Other social sciences .....	310,100	65,300	62,000	91,500	58,800	32,600
Male .....	149,400	25,600	29,900	49,700	28,300	15,900
Female .....	160,700	39,700	32,100	41,800	30,500	16,700
<b>Engineering, total</b> .....	<b>1,694,300</b>	<b>229,900</b>	<b>467,700</b>	<b>371,100</b>	<b>248,700</b>	<b>376,800</b>
Male .....	1,544,200	189,100	395,500	345,500	242,600	371,400
Female .....	150,100	40,800	72,200	25,600	6,100	5,400
Aerospace/related engineering .....	69,000	9,200	19,700	14,300	11,700	14,100
Male .....	64,100	7,800	17,600	13,500	11,500	13,700
Female .....	4,900	1,400	2,100	800	200	500
Chemical engineering .....	128,100	21,200	35,100	26,900	18,500	26,400
Male .....	104,900	14,200	25,300	23,000	17,000	25,300
Female .....	23,200	6,900	9,800	3,900	1,600	1,000
Civil/architectural engineering .....	293,500	36,900	71,100	76,700	43,000	65,800
Male .....	264,600	29,300	59,400	69,500	41,500	64,900
Female .....	28,900	7,600	11,700	7,200	1,500	900
Electrical/related engineering .....	496,100	67,000	146,300	115,300	75,100	92,300
Male .....	460,800	58,200	126,700	109,700	75,000	91,100
Female .....	35,300	8,800	19,600	5,600	200	1,100
Industrial engineering .....	101,700	13,900	30,000	19,800	13,100	24,900
Male .....	85,600	9,800	21,100	17,300	13,000	24,400
Female .....	16,100	4,100	9,000	2,500	100	500
Mechanical engineering .....	381,700	54,700	108,300	67,200	56,300	95,200
Male .....	360,800	48,100	97,900	64,800	55,300	94,800
Female .....	20,900	6,700	10,400	2,400	900	400
Other engineering .....	224,200	27,000	57,200	50,900	31,000	58,200
Male .....	203,400	21,700	47,600	47,600	29,300	57,100
Female .....	20,800	5,300	9,500	3,200	1,700	1,100
<b>Non-S&amp;E degrees, total</b> .....	<b>562,600</b>	<b>11,700</b>	<b>171,800</b>	<b>223,000</b>	<b>102,900</b>	<b>53,200</b>
Male .....	373,300	2,800	106,400	144,700	76,700	42,700
Female .....	189,300	8,900	65,300	78,400	26,200	10,500
<b>Master's</b>						
<b>All degree fields, total</b> .....	<b>3,316,800</b>	<b>206,200</b>	<b>741,400</b>	<b>1,052,800</b>	<b>818,600</b>	<b>497,700</b>
Male .....	2,068,000	105,800	436,000	626,300	549,800	350,200
Female .....	1,248,800	100,500	305,500	426,600	268,900	147,500
<b>S&amp;E degree fields, total</b> .....	<b>1,698,100</b>	<b>133,400</b>	<b>396,700</b>	<b>509,100</b>	<b>401,300</b>	<b>257,600</b>
Male .....	1,114,100	79,800	253,100	311,500	278,400	191,300
Female .....	584,100	53,600	143,600	197,700	122,900	66,300

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

**Table B-8. U.S. scientists and engineers, by level and field of highest degree attained, sex, and age: 1997**

Level and field of highest degree, and sex	S&Es, total	Age range				
		<30	30-39	40-49	50-59	60+
<b>Master's — continued</b>						
<b>Sciences, total</b> .....	1,209,600	88,600	249,600	379,500	307,700	184,300
Male .....	673,300	42,600	128,600	194,900	187,700	119,400
Female .....	536,300	46,000	121,000	184,600	119,900	64,900
<b>Computer/math sciences, total</b> .....	278,900	19,900	76,800	87,800	66,500	27,800
Male .....	191,900	13,600	53,000	55,400	49,700	20,200
Female .....	86,900	6,300	23,900	32,400	16,800	7,500
Computer/information sciences .....	160,800	13,100	56,600	57,800	26,700	6,500
Male .....	117,700	10,100	40,600	40,500	21,800	4,800
Female .....	43,000	3,000	16,000	17,300	5,000	1,700
Mathematical sciences .....	118,100	6,900	20,200	30,000	39,800	21,200
Male .....	74,200	3,600	12,300	14,900	28,000	15,400
Female .....	43,900	3,300	7,900	15,100	11,800	5,800
<b>Life/related sciences, total</b> .....	197,000	13,800	43,900	62,400	50,400	26,500
Male .....	110,000	7,200	18,000	33,400	33,100	18,300
Female .....	87,000	6,600	25,900	29,000	17,300	8,100
Agricultural/food sciences .....	31,900	2,400	7,100	12,200	5,600	4,600
Male .....	21,900	1,300	3,500	8,400	4,900	3,900
Female .....	10,000	1,100	3,600	3,800	700	700
Biological sciences .....	144,700	10,600	31,000	42,000	41,100	20,000
Male .....	75,300	5,600	12,100	19,500	25,200	13,000
Female .....	69,300	5,000	18,900	22,500	15,900	7,000
Environmental life sciences .....	20,400	800	5,800	8,200	3,800	1,900
Male .....	12,700	300	2,400	5,500	3,000	1,500
Female .....	7,700	500	3,300	2,700	800	400
<b>Physical/related sciences, total</b> .....	142,700	9,600	30,400	40,700	33,700	28,300
Male .....	107,700	6,800	19,800	29,500	27,300	24,300
Female .....	35,000	2,900	10,600	11,200	6,300	4,100
Chemistry, except biochemistry .....	46,200	3,400	8,200	13,200	13,100	8,300
Male .....	29,800	1,700	4,700	7,900	9,400	6,100
Female .....	16,400	1,700	3,500	5,300	3,700	2,200
Earth science, geology and oceanography .....	41,700	2,400	10,300	15,100	6,900	7,100
Male .....	32,300	1,800	6,600	11,900	5,700	6,300
Female .....	9,400	700	3,600	3,200	1,200	700
Physics/astronomy .....	40,000	3,500	8,800	8,300	10,300	9,000
Male .....	34,800	3,100	7,000	6,900	9,300	8,500
Female .....	5,200	400	1,800	1,400	1,000	500
Other physical sciences .....	14,800	300	3,100	4,100	3,400	3,900
Male .....	10,900	300	1,500	2,800	3,000	3,300
Female .....	3,900	S	1,600	1,200	400	600
<b>Social/related sciences, total</b> .....	591,100	45,200	98,500	188,600	157,100	101,700
Male .....	263,700	15,000	37,800	76,700	77,600	56,600
Female .....	327,400	30,200	60,600	111,900	79,500	45,100
Economics .....	52,800	3,700	12,700	15,500	9,400	11,600
Male .....	39,500	2,500	8,900	9,700	7,700	10,600
Female .....	13,300	1,100	3,800	5,800	1,600	900
Political/related sciences .....	82,700	9,300	17,900	23,900	15,300	16,400
Male .....	51,600	4,100	8,600	13,900	11,400	13,600
Female .....	31,100	5,200	9,300	10,000	3,900	2,800

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

**Table B-8. U.S. scientists and engineers, by level and field of highest degree attained, sex, and age: 1997**

Level and field of highest degree, and sex	S&Es, total	Age range				
		<30	30-39	40-49	50-59	60+
<b>Master's — continued</b>						
Psychology .....	328,800	23,400	48,300	110,700	95,100	51,300
Male .....	114,500	5,100	12,900	37,700	38,300	20,500
Female .....	214,300	18,300	35,500	72,900	56,800	30,800
Sociology/anthropology .....	50,200	3,600	8,000	16,700	14,200	7,800
Male .....	21,900	1,800	2,800	5,400	7,800	4,100
Female .....	28,300	1,900	5,100	11,300	6,400	3,600
Other social sciences .....	76,600	5,200	11,600	21,900	23,100	14,700
Male .....	36,300	1,500	4,700	10,000	12,300	7,800
Female .....	40,300	3,700	7,000	11,900	10,800	6,900
<b>Engineering, total</b> .....	<b>488,500</b>	<b>44,800</b>	<b>147,100</b>	<b>129,600</b>	<b>93,600</b>	<b>73,300</b>
Male .....	440,800	37,200	124,500	116,500	90,700	71,900
Female .....	47,700	7,600	22,600	13,100	2,900	1,400
Aerospace/related engineering .....	22,000	2,300	5,400	4,400	5,300	4,600
Male .....	21,200	2,000	4,900	4,300	5,300	4,600
Female .....	800	300	500	S	S	S
Chemical engineering .....	28,700	2,000	6,700	7,200	6,200	6,700
Male .....	25,400	1,400	5,500	6,400	5,800	6,400
Female .....	3,300	600	1,200	800	400	300
Civil/architectural engineering .....	77,200	6,100	19,000	23,300	17,100	11,700
Male .....	69,000	4,500	15,700	21,300	16,400	11,000
Female .....	8,200	1,600	3,400	2,000	700	600
Electrical/related engineering .....	161,500	15,600	57,600	40,100	27,700	20,600
Male .....	148,500	13,800	50,900	36,700	26,800	20,300
Female .....	13,000	1,800	6,600	3,400	900	300
Industrial engineering .....	25,400	2,600	7,800	7,100	4,100	3,800
Male .....	21,100	1,800	6,000	5,300	4,100	3,800
Female .....	4,300	700	1,800	1,800	S	S
Mechanical engineering .....	74,100	8,100	23,300	17,800	11,200	13,800
Male .....	69,800	7,300	20,900	16,900	11,000	13,700
Female .....	4,300	800	2,300	900	200	100
Other engineering .....	99,500	8,100	27,400	29,800	22,000	12,300
Male .....	85,800	6,200	20,600	25,500	21,300	12,100
Female .....	13,700	1,900	6,700	4,300	700	100
<b>Non-S&amp;E degrees, total</b> .....	<b>1,618,700</b>	<b>72,800</b>	<b>344,700</b>	<b>543,700</b>	<b>417,300</b>	<b>240,100</b>
Male .....	953,900	26,000	182,900	314,800	271,300	158,900
Female .....	664,800	46,800	161,900	228,900	146,000	81,200
<b>Doctorate</b>						
<b>All degree fields, total</b> .....	<b>790,500</b>	<b>10,500</b>	<b>157,600</b>	<b>228,300</b>	<b>237,100</b>	<b>157,000</b>
Male .....	599,900	6,900	107,500	161,400	188,700	135,300
Female .....	190,600	3,600	50,000	66,900	48,400	21,700
<b>S&amp;E degree fields, total</b> .....	<b>654,900</b>	<b>9,600</b>	<b>140,100</b>	<b>197,300</b>	<b>186,800</b>	<b>121,100</b>
Male .....	504,100	6,400	97,500	142,500	151,600	106,100
Female .....	150,800	3,200	42,600	54,800	35,200	15,100
<b>Sciences, total</b> .....	<b>546,400</b>	<b>7,000</b>	<b>110,100</b>	<b>170,200</b>	<b>157,700</b>	<b>101,400</b>
Male .....	402,500	4,300	71,100	117,200	123,200	86,600
Female .....	143,900	2,700	39,000	52,900	34,500	14,900

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

**Table B-8. U.S. scientists and engineers, by level and field of highest degree attained, sex, and age: 1997**

Level and field of highest degree, and sex	S&Es, total	Age range				
		<30	30-39	40-49	50-59	60+
<b>Doctorate — continued</b>						
<b>Computer/math sciences, total</b> .....	39,900	1,000	9,600	11,800	12,000	5,500
Male .....	34,100	800	7,800	10,000	10,600	4,900
Female .....	5,800	200	1,800	1,800	1,500	500
Computer/information sciences .....	9,900	300	4,300	4,200	1,000	S
Male .....	8,300	300	3,600	3,600	800	S
Female .....	1,600	S	700	600	300	S
Mathematical sciences .....	30,000	700	5,300	7,600	11,000	5,500
Male .....	25,800	500	4,200	6,400	9,800	4,900
Female .....	4,200	100	1,200	1,200	1,200	500
<b>Life/related sciences, total</b> .....	186,500	2,500	38,600	63,300	48,600	33,600
Male .....	132,400	1,300	23,300	43,100	37,000	27,600
Female .....	54,100	1,100	15,200	20,200	11,600	5,900
Agricultural/food sciences .....	19,600	S	3,300	7,100	5,000	4,200
Male .....	16,700	S	2,400	5,600	4,700	4,000
Female .....	2,900	S	1,000	1,500	300	200
Biological sciences .....	161,700	2,400	34,600	54,200	41,900	28,500
Male .....	111,100	1,300	20,500	35,800	30,700	22,900
Female .....	50,600	1,100	14,200	18,400	11,300	5,600
Environmental life sciences .....	5,100	S	600	2,000	1,700	900
Male .....	4,500	S	500	1,600	1,600	800
Female .....	600	S	100	300	100	100
<b>Physical/related sciences, total</b> .....	140,800	1,800	32,200	35,900	40,900	30,000
Male .....	123,800	1,500	25,500	30,700	37,800	28,400
Female .....	17,000	300	6,700	5,200	3,100	1,700
Chemistry, except biochemistry .....	74,000	1,200	17,100	18,800	20,300	16,500
Male .....	62,800	1,000	12,600	15,700	18,300	15,300
Female .....	11,100	300	4,500	3,100	2,000	1,300
Earth science, geology and oceanography .....	18,400	100	3,500	5,200	5,800	3,800
Male .....	16,500	100	2,800	4,400	5,500	3,700
Female .....	1,900	S	700	800	400	100
Physics/astronomy .....	46,500	500	10,900	11,200	14,300	9,500
Male .....	43,100	400	9,700	10,100	13,600	9,200
Female .....	3,400	100	1,200	1,100	700	300
Other physical sciences .....	2,000	S	600	600	500	200
Male .....	1,400	S	400	500	400	100
Female .....	500	S	200	200	100	100
<b>Social/related sciences, total</b> .....	179,200	1,700	29,700	59,200	56,200	32,400
Male .....	112,200	700	14,500	33,500	37,900	25,600
Female .....	67,000	1,000	15,200	25,700	18,300	6,700
Economics .....	24,700	400	4,600	7,300	7,200	5,200
Male .....	20,900	200	3,600	5,800	6,400	4,900
Female .....	3,800	200	1,000	1,500	900	300
Political/related sciences .....	18,400	100	2,500	4,800	6,900	4,000
Male .....	14,800	100	1,900	3,600	5,500	3,800
Female .....	3,600	S	600	1,300	1,400	300
Psychology .....	92,900	1,200	16,700	33,300	27,100	14,600
Male .....	50,200	400	5,800	17,000	16,500	10,500
Female .....	42,700	800	10,800	16,300	10,700	4,100

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

**Table B-8. U.S. scientists and engineers, by level and field of highest degree attained, sex, and age: 1997**

Level and field of highest degree, and sex	S&Es, total	Age range				
		<30	30-39	40-49	50-59	60+
<b>Doctorate — continued</b>						
Sociology/anthropology .....	26,100	100	3,100	8,500	9,200	5,200
Male .....	15,800	S	1,600	4,600	5,800	3,800
Female .....	10,300	S	1,600	3,800	3,500	1,400
Other social sciences .....	17,200	S	2,800	5,400	5,700	3,300
Male .....	10,600	S	1,600	2,500	3,800	2,700
Female .....	6,600	S	1,100	2,900	1,900	700
<b>Engineering, total</b> .....	<b>108,500</b>	<b>2,600</b>	<b>30,000</b>	<b>27,200</b>	<b>29,100</b>	<b>19,700</b>
Male .....	101,600	2,000	26,400	25,200	28,400	19,500
Female .....	6,900	600	3,600	1,900	600	200
Aerospace/related engineering .....	4,500	200	1,200	700	1,300	1,100
Male .....	4,500	200	1,200	700	1,300	1,000
Female .....	100	S	S	S	S	S
Chemical engineering .....	15,200	300	4,300	3,300	4,200	3,000
Male .....	14,300	200	3,700	3,100	4,200	3,000
Female .....	900	100	600	200	S	S
Civil/architectural engineering .....	10,000	100	2,400	2,500	3,300	1,600
Male .....	9,300	100	2,200	2,300	3,100	1,600
Female .....	600	S	200	200	200	S
Electrical/related engineering .....	28,900	1,000	8,800	7,100	7,200	4,700
Male .....	27,300	800	8,000	6,600	7,100	4,700
Female .....	1,500	200	800	500	100	S
Industrial engineering .....	3,500	S	1,400	800	900	400
Male .....	2,800	S	900	600	800	400
Female .....	700	S	500	200	S	S
Mechanical engineering .....	12,900	200	3,800	3,800	2,900	2,200
Male .....	12,500	200	3,600	3,600	2,900	2,200
Female .....	400	100	200	200	S	S
Other engineering .....	33,500	800	8,000	8,900	9,200	6,600
Male .....	30,900	500	6,700	8,200	8,900	6,500
Female .....	2,600	200	1,300	700	300	100
<b>Non-S&amp;E degrees, total</b> .....	<b>135,600</b>	<b>900</b>	<b>17,500</b>	<b>31,000</b>	<b>50,300</b>	<b>35,800</b>
Male .....	95,800	500	10,000	18,900	37,000	29,200
Female .....	39,800	300	7,500	12,100	13,300	6,600

<sup>1</sup> 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)