

Table B-8. U.S. scientists and engineers, by level and field of highest degree attained, sex, and age: 1999

Level and field of highest degree, and sex	S&Es, total	Age range				
		<30	30-39	40-49	50-59	60+
All degree levels¹						
All degree fields, total	13,050,800	1,772,200	2,949,800	3,684,600	2,765,600	1,878,700
Male	8,304,100	880,700	1,750,300	2,310,900	1,936,400	1,425,800
Female	4,746,700	891,500	1,199,500	1,373,700	829,200	452,900
S&E degree fields, total	9,614,400	1,611,400	2,241,600	2,538,400	1,856,600	1,366,400
Male	6,108,600	814,500	1,355,800	1,601,500	1,288,500	1,048,300
Female	3,505,800	796,900	885,800	936,900	568,100	318,100
Sciences, total	7,291,100	1,337,500	1,635,900	1,965,000	1,453,600	899,000
Male	4,008,400	596,000	843,700	1,084,000	897,100	587,700
Female	3,282,600	741,600	792,300	881,000	556,500	311,300
Computer/math sciences, total	1,185,600	147,300	367,900	332,900	229,700	107,700
Male	778,100	96,000	236,500	213,200	156,400	76,000
Female	407,400	51,300	131,400	119,700	73,300	31,700
Computer/information sciences	625,300	84,900	261,700	198,200	66,300	14,300
Male	440,300	65,100	178,600	135,800	49,800	11,000
Female	185,000	19,800	83,000	62,400	16,500	3,300
Mathematical sciences	560,300	62,400	106,300	134,700	163,400	93,400
Male	337,800	30,900	57,900	77,500	106,600	65,000
Female	222,500	31,500	48,400	57,300	56,900	28,400
Life/related sciences, total	1,582,900	329,900	323,300	457,000	292,700	180,000
Male	893,600	152,000	162,000	256,600	193,600	129,400
Female	689,300	177,900	161,300	200,400	99,100	50,600
Agricultural/food sciences	276,000	32,200	61,200	90,600	42,800	49,200
Male	202,100	17,400	39,400	60,700	38,700	46,000
Female	74,000	14,900	21,800	29,900	4,200	3,200
Biological sciences	1,186,600	273,900	237,900	326,900	229,100	118,800
Male	606,400	122,500	108,000	168,000	136,400	71,400
Female	580,200	151,400	129,900	158,900	92,600	47,400
Environmental life sciences	120,300	23,700	24,200	39,500	20,800	12,100
Male	85,100	12,100	14,600	27,900	18,500	12,000
Female	35,200	11,700	9,600	11,600	2,300	S
Physical/related sciences, total	777,400	90,500	155,000	202,800	159,400	169,700
Male	586,300	54,200	110,700	155,000	128,800	137,600
Female	191,100	36,300	44,300	47,800	30,600	32,100
Chemistry, except biochemistry	363,700	46,800	66,700	83,600	80,500	86,100
Male	244,300	23,700	42,000	57,400	58,900	62,200
Female	119,400	23,000	24,700	26,200	21,500	23,900
Earth science, geology and oceanography	178,900	20,400	40,900	61,400	25,300	30,900
Male	145,300	13,400	33,100	49,000	21,700	28,200
Female	33,600	7,000	7,800	12,500	3,600	2,800
Physics/astronomy	174,500	17,900	36,600	37,900	42,000	40,200
Male	155,300	14,400	30,400	33,800	39,200	37,500
Female	19,300	3,500	6,200	4,100	2,900	2,600
Other physical sciences	60,300	5,500	10,900	19,800	11,600	12,500
Male	41,400	2,700	5,300	14,800	9,000	9,700
Female	18,800	2,800	5,600	5,000	2,600	2,800
Social/related sciences, total	3,745,200	769,800	789,700	972,300	771,800	441,600
Male	1,750,400	293,800	334,400	459,200	418,400	244,600
Female	1,994,800	476,000	455,200	513,100	353,400	197,000

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: 1999

Level and field of highest degree, and sex	S&Es, total	Age range				
		<30	30-39	40-49	50-59	60+
All degree levels¹ — continued						
Economics	487,000	80,000	124,500	113,100	87,000	82,400
Male	359,300	50,100	78,100	86,100	75,000	70,000
Female	127,700	29,900	46,400	27,000	11,900	12,400
Political/related sciences	683,800	168,200	183,100	151,200	112,600	68,700
Male	415,700	86,700	104,200	96,500	77,600	50,700
Female	268,100	81,500	78,900	54,700	35,000	18,000
Psychology	1,408,600	291,100	277,900	397,600	292,000	150,000
Male	494,200	74,300	72,500	146,000	136,000	65,300
Female	914,400	216,700	205,400	251,600	156,000	84,700
Sociology/anthropology	734,900	147,100	120,700	206,400	173,400	87,300
Male	275,800	49,400	43,700	77,700	74,800	30,200
Female	459,100	97,700	76,900	128,700	98,600	57,100
Other social sciences	430,900	83,500	83,400	104,000	106,900	53,200
Male	205,400	33,300	35,800	52,900	54,900	28,400
Female	225,600	50,200	47,600	51,100	52,000	24,700
Engineering, total	2,323,300	273,800	605,700	573,400	402,900	467,400
Male	2,100,200	218,500	512,200	517,500	391,300	460,600
Female	223,200	55,300	93,500	55,900	11,600	6,800
Aerospace/related engineering	91,900	9,200	23,200	21,600	17,500	20,500
Male	86,300	7,700	21,000	20,500	17,200	19,900
Female	5,600	1,400	2,200	1,100	200	500
Chemical engineering	182,800	29,900	43,000	41,100	33,100	35,700
Male	149,700	19,000	31,400	34,700	30,600	34,100
Female	33,100	11,000	11,600	6,400	2,600	1,600
Civil/architectural engineering	386,700	46,300	82,500	107,000	71,400	79,500
Male	346,300	35,700	69,000	94,500	69,100	78,000
Female	40,400	10,600	13,500	12,500	2,200	1,600
Electrical/related engineering	696,900	77,100	205,000	176,700	115,600	122,400
Male	646,300	67,800	179,600	163,400	114,100	121,400
Female	50,600	9,300	25,400	13,300	1,500	1,000
Industrial engineering	129,900	14,800	37,600	28,300	21,300	28,000
Male	106,100	9,700	25,500	22,400	21,100	27,400
Female	23,800	5,100	12,100	6,000	200	500
Mechanical engineering	469,300	59,000	128,200	100,000	73,400	108,700
Male	442,200	50,700	116,900	94,100	72,400	108,100
Female	27,000	8,300	11,300	5,900	1,000	500
Other engineering	365,800	37,600	86,100	98,700	70,800	72,600
Male	323,200	27,900	68,800	88,000	66,900	71,600
Female	42,600	9,700	17,300	10,600	3,900	1,000
Non-S&E degrees, total	3,436,400	160,800	708,200	1,146,100	909,000	512,200
Male	2,195,400	66,200	394,500	709,400	647,900	377,500
Female	1,240,900	94,600	313,700	436,800	261,100	134,700
Bachelor's						
All degree fields, total	7,682,100	1,476,700	1,831,400	2,052,000	1,323,400	998,600
Male	4,789,600	733,200	1,082,100	1,292,100	918,500	763,600
Female	2,892,500	743,500	749,200	759,800	404,900	234,900

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: 1999

Level and field of highest degree, and sex	S&Es, total	Age range				
		<30	30-39	40-49	50-59	60+
Bachelor's — continued						
S&E degree fields, total	7,131,300	1,465,700	1,699,400	1,833,600	1,196,500	936,100
Male	4,422,100	729,800	1,000,900	1,154,100	823,400	713,900
Female	2,709,200	735,900	698,500	679,500	373,100	222,100
Sciences, total	5,441,700	1,238,600	1,277,500	1,430,000	927,000	568,500
Male	2,893,900	548,900	646,000	786,000	561,300	351,600
Female	2,547,900	689,700	631,500	644,000	365,700	216,800
Computer/math sciences, total	845,300	124,700	283,900	229,700	142,600	64,400
Male	539,100	80,300	177,600	144,500	93,100	43,500
Female	306,200	44,400	106,300	85,200	49,500	20,900
Computer/information sciences	440,300	70,700	203,600	130,000	32,000	4,000
Male	304,100	54,300	135,500	88,400	22,800	3,200
Female	136,300	16,400	68,100	41,700	9,200	900
Mathematical sciences	404,900	54,100	80,300	99,700	110,600	60,300
Male	235,000	26,100	42,100	56,100	70,300	40,300
Female	170,000	28,000	38,200	43,500	40,300	20,000
Life/related sciences, total	1,177,300	312,200	239,100	333,300	178,900	113,800
Male	640,400	143,200	117,200	185,400	117,700	76,900
Female	536,900	169,000	122,000	147,900	61,200	36,900
Agricultural/food sciences	220,100	30,300	49,300	71,000	30,700	38,700
Male	160,600	16,300	31,500	48,100	28,300	36,500
Female	59,400	14,000	17,800	22,900	2,500	2,300
Biological sciences	863,900	259,500	172,500	232,000	133,700	66,200
Male	413,000	115,100	74,900	115,100	76,300	31,600
Female	450,900	144,300	97,600	116,900	57,400	34,600
Environmental life sciences	93,400	22,400	17,300	30,300	14,500	8,800
Male	66,800	11,800	10,800	22,300	13,200	8,800
Female	26,600	10,700	6,600	8,100	1,300	S
Physical/related sciences, total	486,200	79,100	98,100	124,000	82,000	103,000
Male	350,400	46,800	69,200	93,800	62,100	78,500
Female	135,800	32,300	28,900	30,200	19,900	24,500
Chemistry, except biochemistry	238,800	41,100	43,200	51,200	47,700	55,600
Male	148,900	20,400	26,100	33,400	31,800	37,100
Female	90,000	20,700	17,100	17,900	15,900	18,500
Earth science, geology and oceanography	117,900	17,600	28,700	40,400	11,800	19,600
Male	97,000	11,600	24,600	32,800	10,100	18,000
Female	21,000	6,000	4,100	7,600	1,700	1,600
Physics/astronomy	84,900	15,100	18,000	17,600	15,100	19,000
Male	74,600	12,100	14,800	15,800	14,800	17,100
Female	10,300	3,000	3,300	1,800	300	1,900
Other physical sciences	44,600	5,200	8,200	14,800	7,500	8,900
Male	30,000	2,700	3,800	11,800	5,400	6,400
Female	14,600	2,600	4,500	3,000	2,000	2,500
Social/related sciences, total	2,932,900	722,700	656,400	743,000	523,500	287,300
Male	1,364,000	278,500	282,000	362,300	288,400	152,800
Female	1,568,900	444,100	374,400	380,700	235,100	134,600
Economics	407,800	75,800	110,100	93,000	66,200	62,800
Male	299,000	47,500	68,100	73,000	58,300	52,100
Female	108,800	28,300	42,000	19,900	7,900	10,700

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: 1999

Level and field of highest degree, and sex	S&Es, total	Age range				
		<30	30-39	40-49	50-59	60+
Bachelor's — continued						
Political/related sciences	578,200	159,800	159,200	125,300	86,100	47,800
Male	349,100	83,100	92,200	81,800	58,500	33,500
Female	229,100	76,800	67,000	43,500	27,500	14,400
Psychology	963,800	268,300	213,000	260,700	149,300	72,500
Male	322,500	69,600	54,000	95,400	74,900	28,600
Female	641,300	198,700	159,000	165,400	74,400	43,900
Sociology/anthropology	653,600	141,200	109,000	183,500	148,600	71,400
Male	236,700	46,700	39,000	69,400	60,500	21,100
Female	417,000	94,500	70,000	114,000	88,100	50,300
Other social sciences	329,400	77,500	65,200	80,500	73,300	32,800
Male	156,700	31,600	28,800	42,600	36,100	17,500
Female	172,700	45,900	36,400	37,900	37,200	15,300
Engineering, total	1,689,600	227,100	421,800	403,600	269,500	367,600
Male	1,528,300	180,900	354,800	368,100	262,100	362,300
Female	161,300	46,100	67,000	35,500	7,400	5,300
Aerospace/related engineering	64,400	7,000	16,600	15,600	11,500	13,700
Male	59,800	5,900	14,900	14,600	11,300	13,200
Female	4,500	1,100	1,600	1,000	200	500
Chemical engineering	138,500	26,900	32,400	30,300	22,300	26,600
Male	110,200	16,800	22,900	25,100	20,100	25,300
Female	28,300	10,100	9,500	5,200	2,100	1,300
Civil/architectural engineering	294,300	39,700	61,700	80,100	48,100	64,800
Male	264,300	30,900	52,100	70,800	46,700	63,800
Female	30,000	8,800	9,500	9,300	1,400	1,000
Electrical/related engineering	496,100	61,800	136,900	123,300	78,400	95,700
Male	461,500	54,200	119,300	114,900	78,100	95,000
Female	34,500	7,600	17,600	8,400	200	700
Industrial engineering	100,500	12,900	27,300	19,900	16,400	24,000
Male	82,000	8,300	17,300	16,600	16,300	23,500
Female	18,500	4,600	10,000	3,200	100	500
Mechanical engineering	375,500	50,500	98,700	77,600	58,000	90,600
Male	353,900	43,500	89,900	73,000	57,400	90,200
Female	21,500	7,000	8,800	4,700	600	400
Other engineering	220,400	28,200	48,200	56,900	34,900	52,200
Male	196,400	21,300	38,400	53,200	32,200	51,300
Female	24,000	6,900	9,800	3,700	2,700	800
Non-S&E degrees, total	550,800	11,000	132,000	218,300	126,900	62,500
Male	367,500	3,400	81,300	138,000	95,100	49,700
Female	183,300	7,700	50,700	80,300	31,800	12,800
Master's						
All degree fields, total	3,535,900	222,800	743,500	1,044,200	957,900	567,400
Male	2,169,900	109,800	432,500	603,700	632,400	391,500
Female	1,366,000	113,000	310,900	440,600	325,600	176,000
S&E degree fields, total	1,775,600	134,700	398,100	500,100	455,200	287,600
Male	1,151,700	78,600	256,100	301,900	304,700	210,400
Female	623,800	56,000	141,900	198,200	150,500	77,200

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: 1999

Level and field of highest degree, and sex	S&Es, total	Age range				
		<30	30-39	40-49	50-59	60+
Master's — continued						
Sciences, total	1,259,900	90,500	246,700	360,600	350,700	211,400
Male	689,500	43,100	127,000	180,500	203,500	135,400
Female	570,400	47,400	119,700	180,100	147,100	76,000
Computer/math sciences, total	295,600	21,000	74,200	89,900	74,000	36,500
Male	201,000	14,500	50,900	57,400	51,900	26,300
Female	94,600	6,500	23,200	32,500	22,100	10,200
Computer/information sciences	172,400	14,000	53,900	62,200	32,200	10,200
Male	125,500	10,700	39,500	42,400	25,200	7,800
Female	46,900	3,300	14,400	19,800	6,900	2,400
Mathematical sciences	123,200	7,000	20,300	27,700	41,800	26,400
Male	75,500	3,800	11,400	15,000	26,700	18,600
Female	47,700	3,200	8,800	12,700	15,200	7,800
Life/related sciences, total	203,100	15,000	41,900	59,800	57,600	28,700
Male	112,400	7,600	19,200	29,300	34,800	21,500
Female	90,700	7,400	22,700	30,500	22,900	7,200
Agricultural/food sciences	35,000	1,900	7,900	12,100	7,100	6,000
Male	23,600	1,000	4,900	6,800	5,700	5,300
Female	11,400	900	3,000	5,300	1,400	800
Biological sciences	147,300	11,800	28,200	40,500	46,400	20,400
Male	75,800	6,300	11,300	18,500	25,700	14,000
Female	71,500	5,500	16,800	22,000	20,700	6,500
Environmental life sciences	20,800	1,300	5,900	7,200	4,200	2,200
Male	13,000	300	3,000	4,000	3,400	2,200
Female	7,800	1,000	2,900	3,200	800	S
Physical/related sciences, total	143,100	9,200	26,700	40,100	36,500	30,600
Male	107,100	5,900	18,100	28,800	29,100	25,200
Female	36,000	3,200	8,600	11,300	7,400	5,500
Chemistry, except biochemistry	48,200	4,100	8,000	12,000	13,000	11,200
Male	31,600	2,500	4,900	7,400	9,500	7,400
Female	16,600	1,600	3,100	4,600	3,500	3,800
Earth science, geology and oceanography	41,700	2,700	9,000	15,600	7,400	7,000
Male	31,300	1,700	6,000	11,900	5,800	6,000
Female	10,400	1,000	3,000	3,800	1,600	1,000
Physics/astronomy	39,500	2,100	7,700	8,100	12,500	9,000
Male	34,200	1,700	6,100	7,100	10,800	8,600
Female	5,200	400	1,600	1,000	1,800	400
Other physical sciences	13,700	200	2,100	4,300	3,600	3,500
Male	9,900	100	1,100	2,400	3,100	3,200
Female	3,800	200	900	1,900	500	300
Social/related sciences, total	618,100	45,300	103,900	170,800	182,600	115,500
Male	269,000	15,000	38,800	65,000	87,800	62,400
Female	349,100	30,300	65,100	105,800	94,800	53,100
Economics	53,400	4,000	9,900	13,300	12,700	13,500
Male	38,700	2,500	6,600	7,800	9,700	12,100
Female	14,600	1,500	3,300	5,500	3,000	1,400
Political/related sciences	86,500	8,300	20,800	21,300	19,900	16,200
Male	51,500	3,600	9,900	11,100	13,900	13,000
Female	35,000	4,700	10,900	10,200	6,000	3,200

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: 1999

Level and field of highest degree, and sex	S&Es, total	Age range				
		<30	30-39	40-49	50-59	60+
Master's — continued						
Psychology	339,500	21,200	48,400	102,400	108,100	59,400
Male	117,100	4,600	12,800	33,800	41,400	24,500
Female	222,400	16,500	35,600	68,600	66,700	34,900
Sociology/anthropology	54,800	5,900	8,700	15,400	14,900	9,900
Male	23,700	2,700	3,500	4,600	8,200	4,700
Female	31,100	3,200	5,200	10,800	6,600	5,200
Other social sciences	84,000	6,000	16,100	18,400	27,000	16,500
Male	38,100	1,600	6,000	7,800	14,600	8,100
Female	46,000	4,300	10,100	10,600	12,400	8,500
Engineering, total	515,700	44,200	151,300	139,500	104,500	76,200
Male	462,200	35,600	129,100	121,500	101,200	75,000
Female	53,500	8,600	22,200	18,000	3,300	1,200
Aerospace/related engineering	22,300	2,000	5,300	4,900	4,900	5,300
Male	21,500	1,700	4,800	4,900	4,900	5,300
Female	800	200	500	100	S	S
Chemical engineering	28,200	2,600	6,300	6,800	6,700	5,900
Male	24,600	1,800	5,000	5,900	6,300	5,600
Female	3,600	800	1,200	900	400	300
Civil/architectural engineering	81,700	6,400	18,700	24,300	19,800	12,500
Male	72,100	4,700	14,900	21,400	19,100	12,000
Female	9,600	1,700	3,800	3,000	700	500
Electrical/related engineering	169,900	14,500	58,600	45,400	30,200	21,300
Male	155,700	12,900	51,900	41,000	29,100	21,000
Female	14,200	1,600	6,700	4,400	1,100	300
Industrial engineering	26,000	1,900	9,400	7,400	4,200	3,100
Male	21,100	1,400	7,500	5,000	4,200	3,100
Female	4,800	500	1,900	2,500	S	S
Mechanical engineering	78,700	8,200	24,800	18,200	12,200	15,400
Male	73,600	6,900	22,400	17,100	11,800	15,300
Female	5,100	1,200	2,400	1,100	300	100
Other engineering	108,900	8,700	28,400	32,300	26,700	12,800
Male	93,600	6,200	22,600	26,200	25,800	12,800
Female	15,300	2,600	5,700	6,200	900	S
Non-S&E degrees, total	1,760,300	88,200	345,400	544,200	502,700	279,800
Male	1,018,100	31,200	176,400	301,800	327,700	181,100
Female	742,200	57,000	169,000	242,400	175,100	98,800
Doctorate						
All degree fields, total	839,000	11,100	159,200	230,000	252,800	186,000
Male	630,600	6,500	107,600	160,700	195,900	159,900
Female	208,400	4,600	51,700	69,200	56,800	26,100
S&E degree fields, total	698,500	10,400	143,000	201,700	201,400	141,800
Male	530,800	6,000	98,200	144,000	159,000	123,500
Female	167,700	4,400	44,900	57,700	42,400	18,300
Sciences, total	580,400	7,900	110,500	171,400	172,500	118,100
Male	421,100	4,000	69,900	116,100	131,000	100,100
Female	159,300	3,900	40,600	55,400	41,500	18,000

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: 1999

Level and field of highest degree, and sex	S&Es, total	Age range				
		<30	30-39	40-49	50-59	60+
Doctorate — continued						
Computer/math sciences, total	44,500	1,600	9,900	13,100	13,100	6,800
Male	37,900	1,200	8,000	11,200	11,400	6,200
Female	6,600	400	1,900	2,000	1,700	600
Computer/information sciences	12,400	300	4,200	5,800	2,100	100
Male	10,500	200	3,600	4,800	1,700	S
Female	1,900	S	500	900	400	S
Mathematical sciences	32,200	1,300	5,700	7,400	11,000	6,800
Male	27,400	1,000	4,300	6,300	9,600	6,100
Female	4,800	400	1,400	1,000	1,400	600
Life/related sciences, total	202,000	2,700	42,000	63,600	56,200	37,500
Male	140,400	1,100	25,400	41,600	41,200	31,000
Female	61,700	1,600	16,600	22,000	15,000	6,500
Agricultural/food sciences	21,000	S	3,900	7,500	5,100	4,500
Male	17,800	S	2,900	5,900	4,700	4,300
Female	3,100	S	1,000	1,600	300	200
Biological sciences	175,400	2,700	37,300	54,400	49,000	32,100
Male	117,600	1,100	21,900	34,300	34,500	25,800
Female	57,800	1,600	15,400	20,000	14,500	6,300
Environmental life sciences	5,700	S	800	1,800	2,100	1,000
Male	5,000	S	600	1,400	1,900	900
Female	800	S	200	300	200	S
Physical/related sciences, total	147,000	2,300	29,700	38,600	40,300	36,000
Male	127,700	1,500	22,900	32,400	37,000	34,000
Female	19,300	900	6,800	6,300	3,300	2,100
Chemistry, except biochemistry	76,500	1,600	15,400	20,400	19,800	19,300
Male	63,800	800	10,900	16,700	17,600	17,700
Female	12,800	800	4,500	3,700	2,200	1,600
Earth science, geology and oceanography	19,100	100	3,000	5,400	6,100	4,300
Male	16,800	100	2,300	4,300	5,800	4,200
Female	2,300	S	800	1,100	300	100
Physics/astronomy	49,500	600	10,700	12,100	13,900	12,200
Male	45,700	600	9,400	10,800	13,100	11,800
Female	3,800	S	1,300	1,300	800	400
Other physical sciences	2,000	S	600	700	500	200
Male	1,500	S	400	500	500	100
Female	500	S	200	100	100	S
Social/related sciences, total	186,800	1,200	28,900	56,000	62,900	37,800
Male	115,100	200	13,600	30,900	41,400	28,900
Female	71,700	1,000	15,200	25,200	21,500	8,800
Economics	25,800	100	4,600	6,900	8,100	6,100
Male	21,600	100	3,400	5,300	7,000	5,800
Female	4,200	100	1,100	1,600	1,100	300
Political/related sciences	19,100	S	3,100	4,600	6,700	4,700
Male	15,100	S	2,200	3,500	5,200	4,200
Female	4,000	S	1,000	1,000	1,500	500
Psychology	98,000	1,000	16,100	32,000	31,700	17,200
Male	52,300	100	5,700	15,800	18,900	11,700
Female	45,600	900	10,400	16,100	12,800	5,500

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: 1999

Level and field of highest degree, and sex	S&Es, total	Age range				
		<30	30-39	40-49	50-59	60+
Doctorate — continued						
Sociology/anthropology	26,500	S	3,000	7,500	10,000	6,000
Male	15,400	S	1,300	3,700	6,100	4,400
Female	11,000	S	1,700	3,800	3,800	1,600
Other social sciences	17,500	S	2,100	5,100	6,500	3,800
Male	10,600	S	1,000	2,500	4,200	2,900
Female	6,900	S	1,100	2,600	2,300	900
Engineering, total	118,100	2,600	32,600	30,300	28,900	23,700
Male	109,700	2,000	28,300	28,000	28,100	23,400
Female	8,400	600	4,300	2,300	900	300
Aerospace/related engineering	5,200	200	1,400	1,100	1,100	1,500
Male	5,000	100	1,300	1,100	1,100	1,400
Female	200	100	100	S	S	S
Chemical engineering	16,100	400	4,300	3,900	4,200	3,300
Male	14,800	300	3,400	3,600	4,200	3,300
Female	1,300	100	900	300	S	S
Civil/architectural engineering	10,700	200	2,200	2,600	3,500	2,300
Male	9,900	100	1,900	2,300	3,300	2,200
Female	800	100	200	300	200	100
Electrical/related engineering	30,900	800	9,500	8,100	7,100	5,500
Male	29,000	700	8,500	7,500	6,900	5,500
Female	1,900	S	1,100	500	200	S
Industrial engineering	3,500	S	900	1,000	700	900
Male	3,000	S	700	800	600	900
Female	500	S	200	300	100	S
Mechanical engineering	15,100	300	4,700	4,200	3,200	2,700
Male	14,800	300	4,600	4,000	3,200	2,700
Female	400	S	100	100	S	S
Other engineering	36,500	700	9,500	9,500	9,200	7,700
Male	33,200	400	7,800	8,700	8,800	7,500
Female	3,300	300	1,700	800	400	200
Non-S&E degrees, total	140,600	600	16,200	28,200	51,300	44,200
Male	99,800	500	9,400	16,700	36,900	36,400
Female	40,700	200	6,800	11,500	14,400	7,800

¹ Total includes professional degrees not broken out separately.

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, 1997, or 1999 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 Statistics Division, 1999 SESTAT (Scientists and Engineers Statistical Data System)