

**Table B-10. U.S. scientists and engineers, by level and field of highest degree attained, sex, and race/ethnicity: 1999**

Level and field of highest degree, and sex	S&Es, total	Race/ethnicity				
		White	Black	Hispanic	Asian/Pacific Islander	Other
<b>All degree levels<sup>1</sup></b>						
<b>All degree fields, total</b> .....	13,050,800	10,931,000	677,500	476,100	919,900	46,300
Male .....	8,304,100	7,085,700	324,200	270,000	597,100	27,000
Female .....	4,746,700	3,845,300	353,300	206,100	322,800	19,300
<b>S&amp;E degree fields, total</b> .....	9,614,400	7,970,600	479,500	370,000	756,900	37,400
Male .....	6,108,600	5,156,800	227,200	208,000	495,100	21,500
Female .....	3,505,800	2,813,800	252,300	162,000	261,800	15,900
<b>Sciences, total</b> .....	7,291,100	6,077,600	420,600	285,500	475,400	32,100
Male .....	4,008,400	3,424,900	180,100	134,200	252,400	16,900
Female .....	3,282,600	2,652,700	240,500	151,300	222,900	15,200
<b>Computer/math sciences, total</b> .....	1,185,600	945,100	67,600	38,000	130,000	4,800
Male .....	778,100	631,000	35,900	24,700	83,500	3,100
Female .....	407,400	314,100	31,800	13,300	46,600	1,700
Computer/information sciences .....	625,300	465,200	39,300	25,900	92,500	2,300
Male .....	440,300	338,100	21,400	16,400	62,600	1,700
Female .....	185,000	127,100	17,900	9,500	29,900	600
Mathematical sciences .....	560,300	479,900	28,400	12,100	37,500	2,500
Male .....	337,800	292,800	14,500	8,300	20,800	1,400
Female .....	222,500	187,000	13,900	3,800	16,700	1,100
<b>Life/related sciences, total</b> .....	1,582,900	1,318,400	70,400	60,600	127,000	6,600
Male .....	893,600	768,500	29,400	30,000	61,500	4,100
Female .....	689,300	549,900	41,000	30,600	65,400	2,400
Agricultural/food sciences .....	276,000	244,900	8,900	7,300	13,500	1,500
Male .....	202,100	181,400	5,700	5,300	8,800	800
Female .....	74,000	63,500	3,200	2,000	4,700	600
Biological sciences .....	1,186,600	961,400	60,200	50,000	110,400	4,600
Male .....	606,400	506,500	23,000	23,000	51,100	2,900
Female .....	580,200	454,900	37,200	27,000	59,300	1,700
Environmental life sciences .....	120,300	112,100	1,300	3,400	3,100	500
Male .....	85,100	80,600	700	1,700	1,600	400
Female .....	35,200	31,400	600	1,700	1,400	100
<b>Physical/related sciences, total</b> .....	777,400	659,200	26,700	21,900	66,800	2,800
Male .....	586,300	507,500	18,100	15,400	43,100	2,100
Female .....	191,100	151,700	8,600	6,500	23,600	700
Chemistry, except biochemistry .....	363,700	290,500	17,700	11,900	42,600	900
Male .....	244,300	201,600	10,700	7,100	24,000	800
Female .....	119,400	88,900	6,900	4,800	18,600	100
Earth science, geology and oceanography .....	178,900	164,900	2,100	4,700	6,400	900
Male .....	145,300	134,200	1,700	3,800	5,200	300
Female .....	33,600	30,600	400	900	1,200	600
Physics/astronomy .....	174,500	150,000	4,600	3,300	15,700	800
Male .....	155,300	134,900	3,700	3,000	12,800	800
Female .....	19,300	15,200	900	300	2,900	S
Other physical sciences .....	60,300	53,800	2,400	1,900	2,000	200
Male .....	41,400	36,800	1,900	1,400	1,100	200
Female .....	18,800	17,000	400	500	900	S
<b>Social/related sciences, total</b> .....	3,745,200	3,154,900	255,800	165,000	151,600	17,900
Male .....	1,750,400	1,517,800	96,700	64,000	64,300	7,600
Female .....	1,994,800	1,637,000	159,100	100,900	87,300	10,300

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

**Table B-10. U.S. scientists and engineers, by level and field of highest degree attained, sex, and race/ethnicity: 1999**

Level and field of highest degree, and sex	S&Es, total	Race/ethnicity				
		White	Black	Hispanic	Asian/Pacific Islander	Other
<b>All degree levels<sup>1</sup> — continued</b>						
Economics .....	487,000	415,300	18,300	14,400	38,200	700
Male .....	359,300	314,500	12,500	9,600	22,200	600
Female .....	127,700	100,900	5,800	4,800	16,000	200
Political/related sciences .....	683,800	574,400	44,700	32,900	27,900	3,900
Male .....	415,700	356,200	23,700	18,500	14,800	2,500
Female .....	268,100	218,200	21,000	14,400	13,100	1,300
Psychology .....	1,408,600	1,203,400	91,400	65,400	40,700	7,700
Male .....	494,200	435,900	25,900	17,100	12,800	2,500
Female .....	914,400	767,500	65,500	48,200	27,900	5,300
Sociology/anthropology .....	734,900	605,400	68,100	32,200	25,100	4,100
Male .....	275,800	233,900	23,600	10,100	7,100	1,100
Female .....	459,100	371,600	44,500	22,100	18,000	2,900
Other social sciences .....	430,900	356,300	33,300	20,100	19,800	1,500
Male .....	205,400	177,400	11,000	8,700	7,400	900
Female .....	225,600	178,900	22,300	11,400	12,400	600
<b>Engineering, total</b> .....	<b>2,323,300</b>	<b>1,893,000</b>	<b>58,900</b>	<b>84,600</b>	<b>281,500</b>	<b>5,400</b>
Male .....	2,100,200	1,731,900	47,100	73,800	242,700	4,600
Female .....	223,200	161,100	11,800	10,700	38,900	700
Aerospace/related engineering .....	91,900	82,400	600	3,200	5,600	S
Male .....	86,300	77,200	600	3,200	5,300	S
Female .....	5,600	5,200	S	100	300	S
Chemical engineering .....	182,800	145,700	5,000	6,000	25,700	400
Male .....	149,700	122,900	3,000	4,300	19,100	400
Female .....	33,100	22,800	2,000	1,700	6,600	S
Civil/architectural engineering .....	386,700	315,000	7,800	17,600	44,900	1,400
Male .....	346,300	284,500	6,400	15,000	39,300	1,100
Female .....	40,400	30,500	1,300	2,600	5,700	300
Electrical/related engineering .....	696,900	540,600	22,700	26,000	106,800	800
Male .....	646,300	510,600	19,200	23,200	92,500	800
Female .....	50,600	30,000	3,500	2,800	14,300	S
Industrial engineering .....	129,900	105,600	5,500	6,400	12,100	300
Male .....	106,100	87,500	4,200	4,900	9,200	300
Female .....	23,800	18,100	1,300	1,500	2,900	S
Mechanical engineering .....	469,300	397,500	9,400	14,400	46,500	1,600
Male .....	442,200	375,200	7,900	13,800	44,000	1,500
Female .....	27,000	22,300	1,500	600	2,600	100
Other engineering .....	365,800	306,200	8,100	10,800	39,900	800
Male .....	323,200	274,000	5,900	9,400	33,300	500
Female .....	42,600	32,200	2,200	1,400	6,600	300
<b>Non-S&amp;E degrees, total</b> .....	<b>3,436,400</b>	<b>2,960,400</b>	<b>198,000</b>	<b>106,100</b>	<b>163,000</b>	<b>8,900</b>
Male .....	2,195,400	1,928,900	97,000	62,000	102,000	5,500
Female .....	1,240,900	1,031,500	100,900	44,100	61,000	3,400
<b>Bachelor's</b>						
<b>All degree fields, total</b> .....	<b>7,682,100</b>	<b>6,464,600</b>	<b>412,400</b>	<b>310,100</b>	<b>464,000</b>	<b>31,100</b>
Male .....	4,789,600	4,139,600	191,900	168,300	273,200	16,500
Female .....	2,892,500	2,324,900	220,500	141,700	190,700	14,600

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

**Table B-10. U.S. scientists and engineers, by level and field of highest degree attained, sex, and race/ethnicity: 1999**

Level and field of highest degree, and sex	S&Es, total	Race/ethnicity				
		White	Black	Hispanic	Asian/Pacific Islander	Other
<b>Bachelor's — continued</b>						
<b>S&amp;E degree fields, total</b> .....	7,131,300	5,986,400	385,100	295,500	435,500	28,800
Male .....	4,422,100	3,812,900	176,300	160,600	256,600	15,700
Female .....	2,709,200	2,173,500	208,800	135,000	178,800	13,100
<b>Sciences, total</b> .....	5,441,700	4,557,500	337,700	231,700	290,200	24,600
Male .....	2,893,900	2,504,600	138,300	104,900	134,100	12,100
Female .....	2,547,900	2,053,000	199,400	126,800	156,200	12,500
<b>Computer/math sciences, total</b> .....	845,300	692,600	55,000	31,000	63,400	3,200
Male .....	539,100	452,200	28,500	19,400	37,300	1,700
Female .....	306,200	240,400	26,500	11,700	26,100	1,500
Computer/information sciences .....	440,300	341,800	33,000	21,800	42,400	1,400
Male .....	304,100	245,900	16,800	13,200	27,500	800
Female .....	136,300	95,900	16,200	8,700	14,900	600
Mathematical sciences .....	404,900	350,800	22,000	9,200	21,000	1,800
Male .....	235,000	206,300	11,700	6,200	9,800	900
Female .....	170,000	144,500	10,300	3,000	11,200	900
<b>Life/related sciences, total</b> .....	1,177,300	988,500	56,900	48,700	78,200	5,000
Male .....	640,400	559,300	22,400	22,200	33,300	3,200
Female .....	536,900	429,200	34,600	26,500	44,900	1,800
Agricultural/food sciences .....	220,100	198,000	7,600	5,500	7,700	1,300
Male .....	160,600	146,100	4,800	3,900	5,100	700
Female .....	59,400	51,900	2,800	1,600	2,600	600
Biological sciences .....	863,900	701,700	49,000	40,500	69,300	3,300
Male .....	413,000	348,700	17,400	17,200	27,500	2,100
Female .....	450,900	352,900	31,700	23,400	41,800	1,200
Environmental life sciences .....	93,400	88,800	300	2,700	1,200	400
Male .....	66,800	64,400	200	1,200	600	300
Female .....	26,600	24,400	100	1,500	600	S
<b>Physical/related sciences, total</b> .....	486,200	419,700	20,700	14,900	28,900	2,000
Male .....	350,400	310,700	13,500	10,600	14,200	1,400
Female .....	135,800	109,000	7,200	4,300	14,700	600
Chemistry, except biochemistry .....	238,800	193,100	14,400	8,900	21,700	700
Male .....	148,900	125,500	8,400	5,500	8,800	700
Female .....	90,000	67,600	6,000	3,400	12,800	100
Earth science, geology and oceanography .....	117,900	111,200	1,100	2,600	2,400	600
Male .....	97,000	92,100	900	2,100	1,700	100
Female .....	21,000	19,100	200	500	700	500
Physics/astronomy .....	84,900	75,200	3,500	1,800	3,800	600
Male .....	74,600	66,200	2,800	1,700	3,200	600
Female .....	10,300	9,000	600	100	600	S
Other physical sciences .....	44,600	40,300	1,700	1,600	1,000	S
Male .....	30,000	26,900	1,400	1,300	400	S
Female .....	14,600	13,400	300	300	600	S
<b>Social/related sciences, total</b> .....	2,932,900	2,456,700	205,000	137,100	119,700	14,400
Male .....	1,364,000	1,182,300	73,900	52,800	49,200	5,800
Female .....	1,568,900	1,274,400	131,100	84,300	70,500	8,600

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

**Table B-10. U.S. scientists and engineers, by level and field of highest degree attained, sex, and race/ethnicity: 1999**

Level and field of highest degree, and sex	S&Es, total	Race/ethnicity				
		White	Black	Hispanic	Asian/Pacific Islander	Other
<b>Bachelor's — continued</b>						
Economics .....	407,800	351,900	14,500	10,900	29,900	600
Male .....	299,000	265,700	9,100	6,900	16,800	400
Female .....	108,800	86,200	5,400	4,000	13,000	100
Political/related sciences .....	578,200	483,800	39,700	28,300	22,900	3,500
Male .....	349,100	297,800	20,600	16,300	12,200	2,200
Female .....	229,100	186,000	19,100	12,000	10,600	1,300
Psychology .....	963,800	810,900	63,900	51,600	31,900	5,400
Male .....	322,500	281,400	16,300	13,500	9,700	1,600
Female .....	641,300	529,500	47,600	38,100	22,200	3,800
Sociology/anthropology .....	653,600	537,100	63,400	29,600	19,700	3,800
Male .....	236,700	200,300	21,300	8,900	5,300	900
Female .....	417,000	336,800	42,100	20,700	14,500	2,900
Other social sciences .....	329,400	273,000	23,400	16,700	15,300	1,100
Male .....	156,700	137,200	6,500	7,200	5,200	600
Female .....	172,700	135,800	16,800	9,500	10,100	500
<b>Engineering, total</b> .....	<b>1,689,600</b>	<b>1,428,800</b>	<b>47,400</b>	<b>63,800</b>	<b>145,300</b>	<b>4,300</b>
Male .....	1,528,300	1,308,300	38,100	55,700	122,600	3,600
Female .....	161,300	120,500	9,300	8,200	22,700	600
Aerospace/related engineering .....	64,400	58,600	400	2,100	3,300	S
Male .....	59,800	54,200	400	2,100	3,100	S
Female .....	4,500	4,300	S	S	100	S
Chemical engineering .....	138,500	114,100	4,200	4,800	15,000	400
Male .....	110,200	94,300	2,400	3,500	9,600	400
Female .....	28,300	19,800	1,800	1,300	5,400	S
Civil/architectural engineering .....	294,300	248,600	6,300	12,900	25,200	1,300
Male .....	264,300	224,800	5,600	11,200	21,700	1,000
Female .....	30,000	23,700	800	1,700	3,500	300
Electrical/related engineering .....	496,100	399,000	18,600	19,800	58,100	600
Male .....	461,500	377,800	15,500	17,400	50,200	600
Female .....	34,500	21,200	3,100	2,400	7,900	S
Industrial engineering .....	100,500	85,300	4,300	5,000	5,600	300
Male .....	82,000	70,900	3,300	3,600	4,000	200
Female .....	18,500	14,300	1,100	1,400	1,700	S
Mechanical engineering .....	375,500	328,900	7,800	12,400	25,200	1,100
Male .....	353,900	310,500	6,700	11,900	23,800	1,100
Female .....	21,500	18,400	1,200	400	1,400	100
Other engineering .....	220,400	194,400	5,600	6,900	12,800	600
Male .....	196,400	175,700	4,300	5,900	10,100	400
Female .....	24,000	18,700	1,400	1,000	2,700	200
<b>Non-S&amp;E degrees, total</b> .....	<b>550,800</b>	<b>478,200</b>	<b>27,400</b>	<b>14,500</b>	<b>28,500</b>	<b>2,200</b>
Male .....	367,500	326,800	15,600	7,800	16,600	800
Female .....	183,300	151,400	11,800	6,800	11,900	1,400
<b>Master's</b>						
<b>All degree fields, total</b> .....	<b>3,535,900</b>	<b>2,923,000</b>	<b>192,500</b>	<b>110,200</b>	<b>300,400</b>	<b>9,800</b>
Male .....	2,169,900	1,804,000	88,000	63,700	208,000	6,200
Female .....	1,366,000	1,119,000	104,500	46,500	92,400	3,600

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

**Table B-10. U.S. scientists and engineers, by level and field of highest degree attained, sex, and race/ethnicity: 1999**

Level and field of highest degree, and sex	S&Es, total	Race/ethnicity				
		White	Black	Hispanic	Asian/Pacific Islander	Other
<b>Master's — continued</b>						
<b>S&amp;E degree fields, total</b> .....	1,775,600	1,417,600	79,000	55,000	218,000	6,000
Male .....	1,151,700	916,900	40,700	34,000	156,200	3,900
Female .....	623,800	500,700	38,300	21,000	61,800	2,100
<b>Sciences, total</b> .....	1,259,900	1,032,700	69,400	37,400	115,200	5,100
Male .....	689,500	567,400	33,400	18,600	67,000	3,100
Female .....	570,400	465,300	36,000	18,700	48,200	2,000
<b>Computer/math sciences, total</b> .....	295,600	218,000	11,900	5,800	58,500	1,300
Male .....	201,000	149,200	6,800	4,400	39,500	1,100
Female .....	94,600	68,900	5,100	1,400	19,000	200
Computer/information sciences .....	172,400	114,700	6,100	3,800	47,100	600
Male .....	125,500	84,800	4,400	3,000	32,600	600
Female .....	46,900	29,900	1,700	800	14,500	S
Mathematical sciences .....	123,200	103,300	5,900	2,000	11,400	700
Male .....	75,500	64,300	2,400	1,300	6,900	500
Female .....	47,700	39,000	3,400	600	4,500	200
<b>Life/related sciences, total</b> .....	203,100	168,900	8,700	5,100	19,500	900
Male .....	112,400	96,500	4,000	3,200	8,200	500
Female .....	90,700	72,500	4,700	1,800	11,300	400
Agricultural/food sciences .....	35,000	29,900	900	1,000	3,200	100
Male .....	23,600	20,700	500	700	1,600	100
Female .....	11,400	9,200	300	200	1,600	100
Biological sciences .....	147,300	121,400	6,900	3,500	14,800	700
Male .....	75,800	64,500	3,000	2,000	5,900	400
Female .....	71,500	56,900	3,900	1,500	9,000	300
Environmental life sciences .....	20,800	17,700	1,000	600	1,500	100
Male .....	13,000	11,300	500	400	700	100
Female .....	7,800	6,400	500	100	800	S
<b>Physical/related sciences, total</b> .....	143,100	119,400	4,400	4,100	14,700	500
Male .....	107,100	90,600	3,200	2,600	10,200	400
Female .....	36,000	28,800	1,200	1,500	4,500	100
Chemistry, except biochemistry .....	48,200	37,600	2,100	1,200	7,300	S
Male .....	31,600	25,400	1,400	400	4,500	S
Female .....	16,600	12,200	700	800	2,800	S
Earth science, geology and oceanography .....	41,700	36,300	900	1,800	2,400	200
Male .....	31,300	26,700	700	1,500	2,200	200
Female .....	10,400	9,600	200	300	200	100
Physics/astronomy .....	39,500	33,500	800	800	4,200	100
Male .....	34,200	29,900	600	700	3,000	100
Female .....	5,200	3,600	200	100	1,200	S
Other physical sciences .....	13,700	12,000	600	300	700	100
Male .....	9,900	8,700	500	100	500	100
Female .....	3,800	3,300	100	200	200	S
<b>Social/related sciences, total</b> .....	618,100	526,400	44,300	22,400	22,600	2,400
Male .....	269,000	231,100	19,300	8,400	9,100	1,100
Female .....	349,100	295,200	25,000	14,000	13,500	1,300

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

**Table B-10. U.S. scientists and engineers, by level and field of highest degree attained, sex, and race/ethnicity: 1999**

Level and field of highest degree, and sex	S&Es, total	Race/ethnicity				
		White	Black	Hispanic	Asian/Pacific Islander	Other
<b>Master's — continued</b>						
Economics .....	53,400	42,000	3,100	3,000	5,200	100
Male .....	38,700	30,700	2,800	2,200	3,000	100
Female .....	14,600	11,300	300	800	2,200	S
Political/related sciences .....	86,500	74,000	3,900	4,200	4,000	400
Male .....	51,500	45,200	2,300	1,900	1,800	300
Female .....	35,000	28,800	1,600	2,300	2,200	100
Psychology .....	339,500	296,300	24,500	10,700	6,300	1,800
Male .....	117,100	103,800	8,400	2,300	2,000	600
Female .....	222,400	192,500	16,000	8,400	4,200	1,200
Sociology/anthropology .....	54,800	45,200	3,500	1,800	4,300	100
Male .....	23,700	20,000	1,600	800	1,200	S
Female .....	31,100	25,100	1,900	900	3,100	S
Other social sciences .....	84,000	68,900	9,300	2,800	2,900	200
Male .....	38,100	31,500	4,100	1,200	1,200	100
Female .....	46,000	37,500	5,200	1,600	1,700	100
<b>Engineering, total</b> .....	<b>515,700</b>	<b>384,900</b>	<b>9,600</b>	<b>17,600</b>	<b>102,700</b>	<b>900</b>
Male .....	462,200	349,500	7,400	15,300	89,200	800
Female .....	53,500	35,300	2,200	2,200	13,600	100
Aerospace/related engineering .....	22,300	19,700	200	1,000	1,400	S
Male .....	21,500	19,000	200	1,000	1,400	S
Female .....	800	800	S	S	S	S
Chemical engineering .....	28,200	20,700	600	1,000	5,900	S
Male .....	24,600	18,500	400	600	5,000	S
Female .....	3,600	2,200	100	300	800	S
Civil/architectural engineering .....	81,700	58,900	1,200	4,400	17,000	100
Male .....	72,100	52,900	700	3,500	14,900	100
Female .....	9,600	6,000	600	900	2,100	S
Electrical/related engineering .....	169,900	121,600	3,600	5,500	39,000	200
Male .....	155,700	113,700	3,200	5,100	33,400	200
Female .....	14,200	7,900	400	300	5,600	S
Industrial engineering .....	26,000	18,000	1,000	1,100	5,700	100
Male .....	21,100	14,700	900	1,000	4,500	100
Female .....	4,800	3,400	200	100	1,200	S
Mechanical engineering .....	78,700	59,400	1,300	1,400	16,200	400
Male .....	73,600	55,700	1,000	1,300	15,300	400
Female .....	5,100	3,700	300	100	1,000	S
Other engineering .....	108,900	86,400	1,800	3,200	17,400	100
Male .....	93,600	75,100	1,100	2,800	14,600	S
Female .....	15,300	11,400	700	400	2,800	S
<b>Non-S&amp;E degrees, total</b> .....	<b>1,760,300</b>	<b>1,505,300</b>	<b>113,500</b>	<b>55,200</b>	<b>82,500</b>	<b>3,800</b>
Male .....	1,018,100	887,000	47,200	29,700	51,900	2,300
Female .....	742,200	618,300	66,300	25,500	30,600	1,500
<b>Doctorate</b>						
<b>All degree fields, total</b> .....	<b>839,000</b>	<b>671,300</b>	<b>29,100</b>	<b>23,500</b>	<b>112,000</b>	<b>3,200</b>
Male .....	630,600	505,900	17,600	16,200	88,300	2,500
Female .....	208,400	165,400	11,500	7,300	23,600	700

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

**Table B-10. U.S. scientists and engineers, by level and field of highest degree attained, sex, and race/ethnicity: 1999**

Level and field of highest degree, and sex	S&Es, total	Race/ethnicity				
		White	Black	Hispanic	Asian/Pacific Islander	Other
<b>Doctorate — continued</b>						
<b>S&amp;E degree fields, total</b> .....	698,500	557,700	15,400	19,400	103,400	2,500
Male .....	530,800	423,000	10,100	13,500	82,300	1,900
Female .....	167,700	134,600	5,300	6,000	21,100	600
<b>Sciences, total</b> .....	580,400	478,400	13,600	16,300	69,800	2,300
Male .....	421,100	349,000	8,400	10,600	51,300	1,700
Female .....	159,300	129,400	5,100	5,700	18,500	600
<b>Computer/math sciences, total</b> .....	44,500	34,300	700	1,200	8,100	300
Male .....	37,900	29,400	600	1,000	6,700	300
Female .....	6,600	4,900	100	200	1,400	S
Computer/information sciences .....	12,400	8,500	200	300	3,000	300
Male .....	10,500	7,200	200	300	2,600	300
Female .....	1,900	1,300	S	S	500	S
Mathematical sciences .....	32,200	25,700	500	900	5,100	S
Male .....	27,400	22,200	400	700	4,100	S
Female .....	4,800	3,500	100	200	1,000	S
<b>Life/related sciences, total</b> .....	202,000	160,600	4,700	6,800	29,200	700
Male .....	140,400	112,400	3,000	4,600	20,000	400
Female .....	61,700	48,200	1,700	2,300	9,200	300
Agricultural/food sciences .....	21,000	17,000	400	800	2,600	100
Male .....	17,800	14,600	400	700	2,100	100
Female .....	3,100	2,400	100	100	500	S
Biological sciences .....	175,400	138,400	4,300	5,900	26,200	600
Male .....	117,600	93,200	2,600	3,800	17,600	300
Female .....	57,800	45,200	1,600	2,100	8,600	200
Environmental life sciences .....	5,700	5,200	100	100	300	S
Male .....	5,000	4,500	S	100	300	S
Female .....	800	600	S	S	100	S
<b>Physical/related sciences, total</b> .....	147,000	119,000	1,600	2,800	23,200	400
Male .....	127,700	105,100	1,300	2,200	18,700	300
Female .....	19,300	13,900	300	600	4,500	S
Chemistry, except biochemistry .....	76,500	59,700	1,100	1,800	13,700	200
Male .....	63,800	50,700	900	1,300	10,700	200
Female .....	12,800	9,000	200	500	3,000	S
Earth science, geology and oceanography .....	19,100	17,100	100	300	1,500	S
Male .....	16,800	15,200	S	200	1,300	S
Female .....	2,300	1,900	S	S	300	S
Physics/astronomy .....	49,500	40,600	400	700	7,700	100
Male .....	45,700	38,000	300	700	6,600	100
Female .....	3,800	2,600	S	100	1,100	S
Other physical sciences .....	2,000	1,500	S	S	400	S
Male .....	1,500	1,200	S	S	200	S
Female .....	500	300	S	S	100	S
<b>Social/related sciences, total</b> .....	186,800	164,600	6,500	5,400	9,300	1,000
Male .....	115,100	102,100	3,500	2,900	5,900	600
Female .....	71,700	62,400	3,000	2,600	3,400	300

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

**Table B-10. U.S. scientists and engineers, by level and field of highest degree attained, sex, and race/ethnicity: 1999**

Level and field of highest degree, and sex	S&Es, total	Race/ethnicity				
		White	Black	Hispanic	Asian/Pacific Islander	Other
<b>Doctorate — continued</b>						
Economics .....	25,800	21,400	700	500	3,100	100
Male .....	21,600	18,100	600	500	2,400	100
Female .....	4,200	3,300	100	100	700	S
Political/related sciences .....	19,100	16,600	1,000	400	1,000	S
Male .....	15,100	13,300	800	300	800	S
Female .....	4,000	3,300	300	100	300	S
Psychology .....	98,000	89,000	3,000	3,000	2,500	500
Male .....	52,300	48,500	1,200	1,300	1,100	300
Female .....	45,600	40,500	1,800	1,700	1,400	200
Sociology/anthropology .....	26,500	23,200	1,100	800	1,100	200
Male .....	15,400	13,500	700	400	600	200
Female .....	11,000	9,600	400	400	500	100
Other social sciences .....	17,500	14,400	700	700	1,600	200
Male .....	10,600	8,700	300	400	1,000	100
Female .....	6,900	5,600	400	300	600	100
<b>Engineering, total</b> .....	<b>118,100</b>	<b>79,300</b>	<b>1,900</b>	<b>3,100</b>	<b>33,600</b>	<b>200</b>
Male .....	109,700	74,000	1,700	2,800	30,900	200
Female .....	8,400	5,300	200	300	2,600	S
Aerospace/related engineering .....	5,200	4,100	100	100	1,000	S
Male .....	5,000	4,000	100	100	900	S
Female .....	200	100	S	S	100	S
Chemical engineering .....	16,100	10,800	200	300	4,800	S
Male .....	14,800	10,100	100	200	4,400	S
Female .....	1,300	800	S	100	400	S
Civil/architectural engineering .....	10,700	7,500	200	300	2,700	S
Male .....	9,900	6,800	200	300	2,600	S
Female .....	800	800	S	S	100	S
Electrical/related engineering .....	30,900	19,900	500	800	9,600	100
Male .....	29,000	19,000	400	700	8,800	100
Female .....	1,900	900	S	100	800	S
Industrial engineering .....	3,500	2,300	100	300	800	S
Male .....	3,000	1,900	S	300	700	S
Female .....	500	400	100	S	S	S
Mechanical engineering .....	15,100	9,200	300	600	5,000	S
Male .....	14,800	9,000	300	600	4,900	S
Female .....	400	200	S	S	200	S
Other engineering .....	36,500	25,400	600	800	9,600	100
Male .....	33,200	23,300	600	700	8,600	100
Female .....	3,300	2,100	S	100	1,000	S
<b>Non-S&amp;E degrees, total</b> .....	<b>140,600</b>	<b>113,600</b>	<b>13,700</b>	<b>4,100</b>	<b>8,600</b>	<b>600</b>
Male .....	99,800	82,900	7,500	2,800	6,100	600
Female .....	40,700	30,700	6,200	1,300	2,500	100

<sup>1</sup> 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)