

**Table B-10. U.S. scientists and engineers, by level and field of highest degree attained, sex, and race/ethnicity: 1997**

Level and field of highest degree, and sex	S&Es, total	Race/ethnicity				
		White	Black	Hispanic	Asian	Other
<b>All degree levels<sup>1</sup></b>						
<b>All degree fields, total</b> .....	12,530,700	10,567,300	640,700	423,600	856,500	42,700
Male .....	8,103,400	6,955,100	314,300	249,700	559,400	25,000
Female .....	4,427,300	3,612,200	326,500	173,900	297,100	17,700
<b>S&amp;E degree fields, total</b> .....	9,269,200	7,744,600	459,700	326,600	705,200	33,100
Male .....	5,983,600	5,084,800	221,800	191,400	466,600	19,000
Female .....	3,285,600	2,659,800	237,900	135,200	238,500	14,100
<b>Sciences, total</b> .....	6,977,800	5,854,300	404,800	248,800	441,600	28,300
Male .....	3,897,000	3,344,200	178,200	123,300	236,500	14,800
Female .....	3,080,800	2,510,100	226,600	125,500	205,100	13,500
<b>Computer/math sciences, total</b> .....	1,136,000	915,700	64,500	32,700	119,400	3,700
Male .....	742,900	609,800	34,600	21,500	74,800	2,300
Female .....	393,100	306,000	30,000	11,100	44,700	1,400
Computer/information sciences .....	581,500	440,100	36,000	21,100	82,800	1,600
Male .....	402,400	314,500	19,700	13,300	53,900	1,000
Female .....	179,100	125,600	16,200	7,800	28,900	500
Mathematical sciences .....	554,500	475,600	28,600	11,600	36,600	2,100
Male .....	340,400	295,300	14,800	8,300	20,800	1,200
Female .....	214,100	180,300	13,700	3,400	15,800	900
<b>Life/related sciences, total</b> .....	1,475,600	1,243,100	65,800	50,600	110,900	5,300
Male .....	852,400	738,300	28,800	27,700	54,600	3,000
Female .....	623,200	504,800	37,000	22,900	56,300	2,300
Agricultural/food sciences .....	260,300	233,100	8,500	6,400	11,200	1,100
Male .....	193,500	174,100	6,200	5,000	7,600	700
Female .....	66,800	59,000	2,400	1,400	3,600	400
Biological sciences .....	1,103,800	906,500	55,900	41,300	96,400	3,800
Male .....	578,100	487,700	21,900	21,100	45,600	1,800
Female .....	525,700	418,800	34,000	20,200	50,800	1,900
Environmental life sciences .....	111,500	103,500	1,300	2,900	3,300	500
Male .....	80,800	76,600	700	1,600	1,500	500
Female .....	30,700	26,900	600	1,300	1,900	100
<b>Physical/related sciences, total</b> .....	773,200	658,600	26,500	19,400	65,800	2,900
Male .....	588,200	511,900	17,800	13,800	42,400	2,300
Female .....	185,000	146,800	8,600	5,600	23,400	500
Chemistry, except biochemistry .....	359,500	290,400	16,800	10,400	40,700	1,200
Male .....	246,300	206,200	10,300	6,300	22,400	1,100
Female .....	113,200	84,200	6,400	4,000	18,400	100
Earth science, geology and oceanography .....	174,700	162,300	1,800	4,000	5,800	800
Male .....	143,600	133,400	1,500	3,400	4,800	400
Female .....	31,200	28,900	200	600	1,000	400
Physics/astronomy .....	173,000	147,500	4,900	3,100	16,900	600
Male .....	154,000	133,100	3,900	2,700	13,800	600
Female .....	18,900	14,400	1,000	400	3,100	S
Other physical sciences .....	66,000	58,500	3,000	1,900	2,400	200
Male .....	44,300	39,200	2,100	1,400	1,400	200
Female .....	21,700	19,300	900	600	1,000	S
<b>Social/related sciences, total</b> .....	3,593,000	3,036,900	248,000	146,200	145,500	16,500
Male .....	1,713,500	1,484,300	97,000	60,300	64,700	7,200
Female .....	1,879,500	1,552,600	151,000	85,900	80,800	9,200

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: 1997**

Level and field of highest degree, and sex	S&Es, total	Race/ethnicity				
		White	Black	Hispanic	Asian	Other
<b>All degree levels<sup>1</sup> — continued</b>						
Economics .....	485,600	413,000	18,900	15,000	37,700	1,000
Male .....	361,900	318,200	12,000	9,600	21,300	800
Female .....	123,700	94,800	6,900	5,400	16,400	200
Political/related sciences .....	664,400	560,900	41,800	29,600	29,000	3,100
Male .....	409,300	352,600	21,600	16,200	16,900	2,000
Female .....	255,100	208,400	20,200	13,400	12,100	1,100
Psychology .....	1,339,800	1,149,600	90,000	56,500	37,100	6,500
Male .....	485,200	425,000	29,500	15,800	12,300	2,500
Female .....	854,600	724,600	60,500	40,700	24,800	4,000
Sociology/anthropology .....	699,300	574,900	67,200	28,500	24,400	4,300
Male .....	260,900	217,300	24,000	10,700	7,800	1,100
Female .....	438,400	357,600	43,200	17,800	16,700	3,200
Other social sciences .....	403,900	338,500	30,100	16,500	17,300	1,500
Male .....	196,200	171,200	9,900	7,800	6,400	900
Female .....	207,700	167,200	20,200	8,700	10,900	600
<b>Engineering, total</b> .....	<b>2,291,400</b>	<b>1,890,300</b>	<b>54,900</b>	<b>77,800</b>	<b>263,600</b>	<b>4,800</b>
Male .....	2,086,600	1,740,600	43,600	68,200	230,200	4,100
Female .....	204,800	149,800	11,300	9,700	33,400	600
Aerospace/related engineering .....	95,500	85,800	1,100	2,900	5,600	100
Male .....	89,700	80,700	900	2,900	5,200	S
Female .....	5,800	5,100	200	S	400	100
Chemical engineering .....	172,000	138,500	4,700	5,400	23,200	300
Male .....	144,600	119,300	2,800	4,200	18,100	300
Female .....	27,400	19,200	1,900	1,300	5,000	S
Civil/architectural engineering .....	380,700	312,400	7,700	16,100	43,400	1,000
Male .....	342,900	283,800	6,200	13,700	38,500	700
Female .....	37,800	28,600	1,500	2,400	5,000	300
Electrical/related engineering .....	686,500	541,000	20,800	23,100	100,400	1,000
Male .....	636,600	510,700	17,300	20,500	87,100	1,000
Female .....	49,900	30,400	3,500	2,700	13,300	S
Industrial engineering .....	130,600	107,400	5,100	5,800	11,900	500
Male .....	109,500	91,700	3,600	4,300	9,400	400
Female .....	21,200	15,700	1,400	1,500	2,500	S
Mechanical engineering .....	468,800	400,300	8,900	14,200	44,000	1,400
Male .....	443,100	378,800	7,500	13,700	41,700	1,400
Female .....	25,600	21,400	1,400	400	2,300	100
Other engineering .....	357,300	304,900	6,600	10,300	35,100	400
Male .....	320,200	275,500	5,200	8,900	30,200	200
Female .....	37,200	29,300	1,400	1,400	4,900	200
<b>Non-S&amp;E degrees, total</b> .....	<b>3,261,500</b>	<b>2,822,600</b>	<b>181,000</b>	<b>97,000</b>	<b>151,300</b>	<b>9,600</b>
Male .....	2,119,700	1,870,300	92,400	58,300	92,700	6,000
Female .....	1,141,800	952,300	88,600	38,700	58,600	3,600
<b>Bachelor's</b>						
<b>All degree fields, total</b> .....	<b>7,469,000</b>	<b>6,321,200</b>	<b>400,000</b>	<b>273,800</b>	<b>445,100</b>	<b>29,000</b>
Male .....	4,734,100	4,104,700	189,900	156,600	267,100	15,900
Female .....	2,734,900	2,216,500	210,100	117,200	178,000	13,100

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: 1997**

Level and field of highest degree, and sex	S&Es, total	Race/ethnicity				
		White	Black	Hispanic	Asian	Other
<b>Bachelor's — continued</b>						
<b>S&amp;E degree fields, total</b> .....	6,906,400	5,833,700	371,600	259,200	416,000	26,000
Male .....	4,360,800	3,774,700	173,300	147,600	250,900	14,400
Female .....	2,545,600	2,059,000	198,400	111,500	165,100	11,600
<b>Sciences, total</b> .....	5,212,100	4,387,500	326,700	200,800	274,600	22,500
Male .....	2,816,600	2,441,400	137,700	96,500	129,600	11,500
Female .....	2,395,500	1,946,100	189,000	104,300	145,000	11,000
<b>Computer/math sciences, total</b> .....	817,000	672,600	52,900	26,500	62,000	2,900
Male .....	516,600	435,300	28,000	16,900	34,700	1,700
Female .....	300,400	237,300	24,900	9,600	27,300	1,300
Computer/information sciences .....	410,600	320,200	30,500	17,900	40,800	1,300
Male .....	276,100	224,800	16,000	10,800	23,800	700
Female .....	134,500	95,400	14,500	7,100	17,000	500
Mathematical sciences .....	406,400	352,400	22,400	8,700	21,200	1,700
Male .....	240,500	210,500	12,000	6,100	10,900	900
Female .....	165,900	141,900	10,400	2,500	10,300	700
<b>Life/related sciences, total</b> .....	1,090,600	925,300	52,700	40,000	68,700	3,900
Male .....	608,900	532,900	21,900	20,900	30,900	2,300
Female .....	481,800	392,500	30,800	19,100	37,900	1,600
Agricultural/food sciences .....	208,600	189,000	7,400	4,800	6,400	900
Male .....	154,900	141,000	5,300	3,700	4,300	600
Female .....	53,700	48,000	2,100	1,200	2,100	300
Biological sciences .....	796,400	655,400	44,800	32,800	60,600	2,700
Male .....	390,800	331,000	16,400	16,100	25,900	1,400
Female .....	405,600	324,500	28,500	16,800	34,700	1,300
Environmental life sciences .....	85,600	80,900	400	2,300	1,700	300
Male .....	63,200	60,900	200	1,100	600	300
Female .....	22,500	20,000	200	1,200	1,100	S
<b>Physical/related sciences, total</b> .....	489,000	422,600	20,200	13,500	30,700	2,100
Male .....	356,100	315,700	13,000	9,900	15,700	1,700
Female .....	133,000	106,800	7,200	3,600	14,900	400
Chemistry, except biochemistry .....	239,200	195,500	13,400	7,500	21,900	1,000
Male .....	153,600	131,200	7,900	4,800	8,900	900
Female .....	85,600	64,400	5,500	2,700	13,000	100
Earth science, geology and oceanography .....	114,400	108,200	900	2,400	2,300	600
Male .....	94,600	89,800	900	2,000	1,700	300
Female .....	19,800	18,400	S	400	600	300
Physics/astronomy .....	86,100	75,000	3,400	2,000	5,200	400
Male .....	75,800	66,500	2,700	1,800	4,400	400
Female .....	10,300	8,600	800	200	800	S
Other physical sciences .....	49,300	43,800	2,500	1,600	1,200	100
Male .....	32,000	28,300	1,700	1,300	700	100
Female .....	17,300	15,500	800	400	500	S
<b>Social/related sciences, total</b> .....	2,815,500	2,367,000	200,900	120,800	113,200	13,500
Male .....	1,335,100	1,157,500	74,800	48,800	48,300	5,700
Female .....	1,480,400	1,209,500	126,200	72,000	64,900	7,800
Economics .....	408,200	350,400	15,600	11,700	29,500	900
Male .....	301,600	268,300	8,900	7,300	16,300	700
Female .....	106,600	82,100	6,700	4,400	13,200	200

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: 1997**

Level and field of highest degree, and sex	S&Es, total	Race/ethnicity				
		White	Black	Hispanic	Asian	Other
<b>Bachelor's — continued</b>						
Political/related sciences .....	563,300	474,200	36,800	25,800	23,700	2,600
Male .....	342,900	295,000	18,300	14,200	13,800	1,700
Female .....	220,400	179,200	18,600	11,600	10,000	1,000
Psychology .....	910,900	769,500	64,000	43,800	28,800	4,800
Male .....	318,100	275,700	19,600	11,700	9,100	1,900
Female .....	592,800	493,800	44,400	32,100	19,700	2,900
Sociology/anthropology .....	623,000	511,500	62,900	26,200	18,500	3,900
Male .....	223,200	185,700	21,800	9,500	5,300	800
Female .....	399,800	325,700	41,100	16,700	13,200	3,100
Other social sciences .....	310,100	261,500	21,500	13,300	12,600	1,200
Male .....	149,400	132,800	6,100	6,100	3,800	700
Female .....	160,700	128,700	15,400	7,200	8,900	600
<b>Engineering, total</b> .....	<b>1,694,300</b>	<b>1,446,200</b>	<b>44,900</b>	<b>58,300</b>	<b>141,300</b>	<b>3,500</b>
Male .....	1,544,200	1,333,300	35,600	51,100	121,300	3,000
Female .....	150,100	112,900	9,400	7,200	20,100	600
Aerospace/related engineering .....	69,000	63,200	700	2,000	3,100	100
Male .....	64,100	58,700	500	1,900	2,900	S
Female .....	4,900	4,400	200	S	200	100
Chemical engineering .....	128,100	106,000	4,100	4,000	13,700	200
Male .....	104,900	89,400	2,400	3,100	9,800	200
Female .....	23,200	16,700	1,800	900	3,900	S
Civil/architectural engineering .....	293,500	248,800	6,500	12,200	25,100	900
Male .....	264,600	226,000	5,500	10,500	21,900	700
Female .....	28,900	22,800	1,000	1,600	3,200	300
Electrical/related engineering .....	496,100	404,600	17,200	17,700	55,900	700
Male .....	460,800	382,800	14,100	15,500	47,700	700
Female .....	35,300	21,900	3,100	2,200	8,200	S
Industrial engineering .....	101,700	87,400	4,200	4,400	5,600	200
Male .....	85,600	75,000	3,000	3,100	4,300	200
Female .....	16,100	12,400	1,200	1,200	1,300	S
Mechanical engineering .....	381,700	335,700	7,300	11,600	26,100	1,100
Male .....	360,800	317,800	6,100	11,200	24,700	1,000
Female .....	20,900	17,900	1,200	300	1,400	100
Other engineering .....	224,200	200,500	4,900	6,500	11,900	300
Male .....	203,400	183,600	4,000	5,700	9,900	200
Female .....	20,800	16,900	900	800	2,000	100
<b>Non-S&amp;E degrees, total</b> .....	<b>562,600</b>	<b>487,500</b>	<b>28,400</b>	<b>14,600</b>	<b>29,100</b>	<b>2,900</b>
Male .....	373,300	330,000	16,600	9,000	16,200	1,400
Female .....	189,300	157,500	11,700	5,700	12,900	1,500
<b>Master's</b>						
<b>All degree fields, total</b> .....	<b>3,316,800</b>	<b>2,759,000</b>	<b>176,300</b>	<b>99,800</b>	<b>272,900</b>	<b>8,800</b>
Male .....	2,068,000	1,731,700	83,900	58,300	188,700	5,400
Female .....	1,248,800	1,027,400	92,400	41,400	84,200	3,500
<b>S&amp;E degree fields, total</b> .....	<b>1,698,100</b>	<b>1,369,800</b>	<b>74,600</b>	<b>49,900</b>	<b>198,800</b>	<b>4,900</b>
Male .....	1,114,100	896,100	39,600	31,800	143,500	3,000
Female .....	584,100	473,700	35,000	18,100	55,300	1,900

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: 1997**

Level and field of highest degree, and sex	S&Es, total	Race/ethnicity				
		White	Black	Hispanic	Asian	Other
<b>Master's — continued</b>						
<b>Sciences, total</b> .....	1,209,600	1,000,900	66,100	33,000	105,900	3,900
Male .....	673,300	559,500	32,900	16,900	62,000	2,000
Female .....	536,300	441,400	33,200	16,100	43,900	1,800
<b>Computer/math sciences, total</b> .....	278,900	211,900	11,100	5,200	49,900	700
Male .....	191,900	147,600	6,200	3,800	33,800	500
Female .....	86,900	64,400	5,000	1,400	16,100	100
Computer/information sciences .....	160,800	113,000	5,300	2,900	39,200	300
Male .....	117,700	83,900	3,600	2,200	27,700	300
Female .....	43,000	29,100	1,700	700	11,500	S
Mathematical sciences .....	118,100	98,900	5,800	2,300	10,700	400
Male .....	74,200	63,600	2,500	1,600	6,100	300
Female .....	43,900	35,300	3,300	700	4,600	100
<b>Life/related sciences, total</b> .....	197,000	164,600	9,100	4,400	18,000	900
Male .....	110,000	95,100	4,300	2,700	7,500	300
Female .....	87,000	69,400	4,800	1,700	10,500	600
Agricultural/food sciences .....	31,900	27,400	800	1,000	2,600	100
Male .....	21,900	18,900	600	800	1,600	100
Female .....	10,000	8,500	300	200	1,000	100
Biological sciences .....	144,700	119,500	7,500	3,000	14,100	600
Male .....	75,300	65,000	3,300	1,500	5,300	200
Female .....	69,300	54,500	4,200	1,500	8,700	500
Environmental life sciences .....	20,400	17,700	800	500	1,300	100
Male .....	12,700	11,200	400	400	600	100
Female .....	7,700	6,400	400	100	800	S
<b>Physical/related sciences, total</b> .....	142,700	119,800	4,600	3,100	14,700	400
Male .....	107,700	92,100	3,300	1,800	10,200	300
Female .....	35,000	27,700	1,300	1,300	4,500	100
Chemistry, except biochemistry .....	46,200	35,900	2,200	1,100	7,000	S
Male .....	29,800	23,900	1,400	300	4,200	S
Female .....	16,400	12,000	800	800	2,800	S
Earth science, geology and oceanography .....	41,700	37,200	900	1,400	2,200	200
Male .....	32,300	28,400	700	1,100	2,000	100
Female .....	9,400	8,800	200	200	200	100
Physics/astronomy .....	40,000	33,700	1,100	400	4,700	100
Male .....	34,800	30,100	800	300	3,500	100
Female .....	5,200	3,600	300	100	1,200	S
Other physical sciences .....	14,800	13,000	500	300	900	100
Male .....	10,900	9,600	400	100	600	100
Female .....	3,900	3,400	100	200	300	S
<b>Social/related sciences, total</b> .....	591,100	504,500	41,200	20,300	23,200	1,900
Male .....	263,700	224,700	19,100	8,600	10,500	900
Female .....	327,400	279,900	22,100	11,700	12,700	1,000
Economics .....	52,800	41,900	2,700	2,800	5,300	S
Male .....	39,500	32,200	2,600	1,900	2,800	S
Female .....	13,300	9,800	100	900	2,600	S
Political/related sciences .....	82,700	70,600	4,100	3,500	4,300	400
Male .....	51,600	44,600	2,600	1,800	2,300	300
Female .....	31,100	26,000	1,400	1,700	2,000	100

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: 1997**

Level and field of highest degree, and sex	S&Es, total	Race/ethnicity				
		White	Black	Hispanic	Asian	Other
<b>Master's — continued</b>						
Psychology .....	328,800	288,600	23,200	9,800	5,900	1,200
Male .....	114,500	100,400	8,800	2,700	2,100	400
Female .....	214,300	188,200	14,400	7,100	3,800	800
Sociology/anthropology .....	50,200	40,800	3,200	1,600	4,500	100
Male .....	21,900	17,800	1,500	800	1,700	100
Female .....	28,300	23,000	1,700	700	2,800	100
Other social sciences .....	76,600	62,700	8,000	2,600	3,100	100
Male .....	36,300	29,700	3,500	1,400	1,600	100
Female .....	40,300	32,900	4,500	1,300	1,500	100
<b>Engineering, total</b> .....	<b>488,500</b>	<b>369,000</b>	<b>8,600</b>	<b>17,000</b>	<b>92,900</b>	<b>1,100</b>
Male .....	440,800	336,600	6,700	14,900	81,500	1,000
Female .....	47,700	32,300	1,800	2,000	11,400	100
Aerospace/related engineering .....	22,000	19,100	300	900	1,700	S
Male .....	21,200	18,500	300	800	1,500	S
Female .....	800	600	S	S	200	S
Chemical engineering .....	28,700	21,600	400	1,200	5,500	S
Male .....	25,400	19,600	300	900	4,600	S
Female .....	3,300	2,000	100	300	900	S
Civil/architectural engineering .....	77,200	56,800	1,000	3,700	15,700	100
Male .....	69,000	51,500	500	3,000	14,000	100
Female .....	8,200	5,300	500	700	1,700	S
Electrical/related engineering .....	161,500	117,100	3,200	4,900	36,000	300
Male .....	148,500	109,500	2,800	4,400	31,400	300
Female .....	13,000	7,600	400	400	4,600	S
Industrial engineering .....	25,400	17,900	900	1,000	5,300	300
Male .....	21,100	15,100	600	1,000	4,200	300
Female .....	4,300	2,900	200	100	1,100	S
Mechanical engineering .....	74,100	56,300	1,400	2,200	13,900	400
Male .....	69,800	52,900	1,200	2,100	13,200	400
Female .....	4,300	3,400	200	100	700	S
Other engineering .....	99,500	80,200	1,300	3,200	14,800	S
Male .....	85,800	69,600	900	2,700	12,600	S
Female .....	13,700	10,600	500	400	2,200	S
<b>Non-S&amp;E degrees, total</b> .....	<b>1,618,700</b>	<b>1,389,200</b>	<b>101,700</b>	<b>49,800</b>	<b>74,100</b>	<b>3,900</b>
Male .....	953,900	835,600	44,300	26,500	45,200	2,300
Female .....	664,800	553,600	57,400	23,300	28,900	1,600
<b>Doctorate</b>						
<b>All degree fields, total</b> .....	<b>790,500</b>	<b>643,200</b>	<b>24,600</b>	<b>21,600</b>	<b>98,400</b>	<b>2,700</b>
Male .....	599,900	489,900	15,000	14,600	78,300	2,000
Female .....	190,600	153,300	9,600	7,000	20,100	700
<b>S&amp;E degree fields, total</b> .....	<b>654,900</b>	<b>532,000</b>	<b>13,500</b>	<b>17,300</b>	<b>90,000</b>	<b>2,100</b>
Male .....	504,100	409,500	9,000	11,900	72,300	1,500
Female .....	150,800	122,500	4,500	5,500	17,800	600
<b>Sciences, total</b> .....	<b>546,400</b>	<b>456,900</b>	<b>12,000</b>	<b>14,800</b>	<b>60,700</b>	<b>1,900</b>
Male .....	402,500	339,000	7,600	9,700	44,900	1,300
Female .....	143,900	118,000	4,400	5,100	15,900	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: 1997**

Level and field of highest degree, and sex	S&Es, total	Race/ethnicity				
		White	Black	Hispanic	Asian	Other
<b>Doctorate — continued</b>						
<b>Computer/math sciences, total</b> .....	39,900	30,900	500	1,000	7,400	S
Male .....	34,100	26,600	400	800	6,200	S
Female .....	5,800	4,300	100	200	1,200	S
Computer/information sciences .....	9,900	6,700	100	300	2,800	S
Male .....	8,300	5,500	100	200	2,500	S
Female .....	1,600	1,200	S	S	300	S
Mathematical sciences .....	30,000	24,300	400	700	4,600	S
Male .....	25,800	21,100	300	500	3,800	S
Female .....	4,200	3,100	100	200	900	S
<b>Life/related sciences, total</b> .....	186,500	151,800	4,000	6,200	24,100	500
Male .....	132,400	109,100	2,600	4,100	16,300	300
Female .....	54,100	42,700	1,400	2,100	7,800	200
Agricultural/food sciences .....	19,600	16,500	300	600	2,200	S
Male .....	16,700	14,100	300	500	1,700	S
Female .....	2,900	2,300	S	100	500	S
Biological sciences .....	161,700	130,700	3,600	5,500	21,500	400
Male .....	111,100	90,800	2,200	3,500	14,300	300
Female .....	50,600	39,800	1,400	2,000	7,200	200
Environmental life sciences .....	5,100	4,600	100	100	300	S
Male .....	4,500	4,100	100	S	200	S
Female .....	600	500	S	S	S	S
<b>Physical/related sciences, total</b> .....	140,800	115,600	1,600	2,800	20,400	400
Male .....	123,800	103,400	1,500	2,100	16,400	300
Female .....	17,000	12,200	200	700	3,900	S
Chemistry, except biochemistry .....	74,000	58,900	1,200	1,800	11,900	200
Male .....	62,800	51,100	1,000	1,200	9,300	200
Female .....	11,100	7,800	100	600	2,600	S
Earth science, geology and oceanography .....	18,400	16,700	S	300	1,300	S
Male .....	16,500	15,000	S	300	1,100	S
Female .....	1,900	1,700	S	S	200	S
Physics/astronomy .....	46,500	38,400	400	700	6,900	100
Male .....	43,100	36,100	400	600	5,800	100
Female .....	3,400	2,300	S	100	1,100	S
Other physical sciences .....	2,000	1,700	S	S	300	S
Male .....	1,400	1,300	S	S	200	S
Female .....	500	400	S	S	100	S
<b>Social/related sciences, total</b> .....	179,200	158,600	5,900	4,900	8,900	1,000
Male .....	112,200	99,800	3,200	2,700	5,900	700
Female .....	67,000	58,800	2,800	2,200	3,000	300
Economics .....	24,700	20,700	600	500	2,800	100
Male .....	20,900	17,700	500	400	2,200	S
Female .....	3,800	3,000	100	100	600	S
Political/related sciences .....	18,400	16,100	900	400	1,000	100
Male .....	14,800	13,000	700	300	800	100
Female .....	3,600	3,100	200	100	100	S
Psychology .....	92,900	84,700	2,800	2,600	2,200	500
Male .....	50,200	46,600	1,100	1,200	1,000	200
Female .....	42,700	38,100	1,800	1,400	1,100	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: 1997**

Level and field of highest degree, and sex	S&Es, total	Race/ethnicity				
		White	Black	Hispanic	Asian	Other
<b>Doctorate — continued</b>						
Sociology/anthropology .....	26,100	22,700	1,000	700	1,400	200
Male .....	15,800	13,800	600	400	800	200
Female .....	10,300	8,900	400	300	600	S
Other social sciences .....	17,200	14,300	600	600	1,500	200
Male .....	10,600	8,700	300	400	1,100	100
Female .....	6,600	5,600	300	300	400	S
<b>Engineering, total</b> .....	<b>108,500</b>	<b>75,100</b>	<b>1,400</b>	<b>2,500</b>	<b>29,300</b>	<b>200</b>
Male .....	101,600	70,500	1,300	2,200	27,400	100
Female .....	6,900	4,500	100	400	1,900	S
Aerospace/related engineering .....	4,500	3,600	S	100	900	S
Male .....	4,500	3,500	S	100	800	S
Female .....	100	S	S	S	S	S
Chemical engineering .....	15,200	10,900	100	200	3,900	S
Male .....	14,300	10,400	100	200	3,700	S
Female .....	900	600	S	S	200	S
Civil/architectural engineering .....	10,000	6,800	200	200	2,700	S
Male .....	9,300	6,300	200	200	2,600	S
Female .....	600	500	S	S	100	S
Electrical/related engineering .....	28,900	19,300	400	600	8,500	100
Male .....	27,300	18,400	400	600	8,000	100
Female .....	1,500	900	S	S	500	S
Industrial engineering .....	3,500	2,100	100	400	900	S
Male .....	2,800	1,600	S	200	900	S
Female .....	700	400	S	200	100	S
Mechanical engineering .....	12,900	8,300	200	400	4,000	S
Male .....	12,500	8,100	200	400	3,800	S
Female .....	400	200	S	S	200	S
Other engineering .....	33,500	24,100	400	600	8,400	S
Male .....	30,900	22,300	400	500	7,700	S
Female .....	2,600	1,800	S	100	700	S
<b>Non-S&amp;E degrees, total</b> .....	<b>135,600</b>	<b>111,200</b>	<b>11,100</b>	<b>4,300</b>	<b>8,300</b>	<b>600</b>
Male .....	95,800	80,400	6,000	2,800	6,000	500
Female .....	39,800	30,800	5,100	1,500	2,300	100

<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)