

TABLE 11. U.S. scientists and engineers, by level and field of highest degree, sex, and race/ethnicity: 2006

Level and field of highest degree and sex	All scientists and engineers	Race/ethnicity <sup>a</sup>					
		American Indian/Alaska Native	Asian	Black	Hispanic	White	Other
All degree levels and fields <sup>b</sup>	22,630,000	98,000	2,253,000	1,257,000	1,193,000	17,421,000	408,000
Male	12,400,000	48,000	1,260,000	519,000	605,000	9,751,000	216,000
Female	10,230,000	50,000	993,000	738,000	588,000	7,670,000	191,000
S&E fields	12,436,000	51,000	1,463,000	646,000	686,000	9,338,000	251,000
Male	7,521,000	27,000	900,000	296,000	368,000	5,782,000	147,000
Female	4,915,000	24,000	564,000	350,000	318,000	3,556,000	104,000
Sciences	9,537,000	44,000	968,000	562,000	530,000	7,234,000	200,000
Male	4,996,000	21,000	491,000	232,000	239,000	3,909,000	104,000
Female	4,541,000	22,000	477,000	330,000	291,000	3,325,000	96,000
Biological/agricultural/environmental life sciences	1,933,000	9,000	204,000	78,000	104,000	1,499,000	39,000
Male	1,014,000	6,000	91,000	26,000	48,000	822,000	22,000
Female	919,000	3,000	113,000	52,000	56,000	677,000	18,000
Agricultural/food sciences	312,000	2,000	20,000	6,000	12,000	265,000	8,000
Male	197,000	S	13,000	4,000	7,000	167,000	5,000
Female	114,000	S	7,000	2,000	5,000	97,000	3,000
Biological sciences	1,429,000	5,000	177,000	70,000	87,000	1,062,000	28,000
Male	686,000	3,000	75,000	21,000	37,000	536,000	13,000
Female	743,000	2,000	102,000	49,000	50,000	526,000	14,000
Environmental life sciences	192,000	2,000	7,000	2,000	5,000	173,000	4,000
Male	130,000	1,000	3,000	1,000	4,000	119,000	3,000
Female	62,000	1,000	4,000	1,000	1,000	54,000	1,000
Computer/mathematical sciences	1,864,000	9,000	362,000	111,000	83,000	1,267,000	33,000
Male	1,230,000	6,000	222,000	60,000	56,000	860,000	26,000
Female	635,000	3,000	140,000	51,000	27,000	407,000	8,000
Computer/information sciences	1,235,000	8,000	288,000	82,000	66,000	766,000	24,000
Male	855,000	6,000	184,000	44,000	44,000	558,000	19,000
Female	380,000	3,000	104,000	38,000	22,000	208,000	6,000
Mathematical sciences	630,000	1,000	74,000	29,000	17,000	501,000	9,000
Male	374,000	S	38,000	16,000	11,000	302,000	7,000
Female	255,000	S	36,000	13,000	5,000	199,000	2,000
Physical/related sciences	859,000	3,000	112,000	24,000	37,000	671,000	12,000
Male	619,000	2,000	70,000	14,000	22,000	503,000	7,000
Female	241,000	1,000	43,000	9,000	14,000	168,000	5,000
Chemistry, except biochemistry	407,000	2,000	67,000	14,000	20,000	299,000	6,000
Male	264,000	*	38,000	8,000	12,000	202,000	4,000
Female	143,000	1,000	29,000	7,000	8,000	97,000	2,000
Earth/atmospheric/ocean sciences	209,000	1,000	8,000	1,000	6,000	190,000	3,000
Male	164,000	*	6,000	1,000	4,000	150,000	2,000
Female	45,000	*	3,000	*	2,000	40,000	1,000
Physics/astronomy	192,000	1,000	35,000	4,000	7,000	143,000	2,000
Male	162,000	1,000	25,000	3,000	5,000	127,000	2,000
Female	29,000	S	10,000	1,000	1,000	17,000	*
Other physical sciences	51,000	S	2,000	4,000	4,000	39,000	2,000
Male	29,000	S	1,000	3,000	1,000	24,000	S
Female	23,000	S	1,000	2,000	3,000	14,000	S
Social/related sciences	4,880,000	23,000	290,000	350,000	307,000	3,796,000	116,000
Male	2,134,000	8,000	108,000	132,000	112,000	1,724,000	49,000
Female	2,746,000	15,000	181,000	218,000	194,000	2,072,000	66,000

TABLE 11. U.S. scientists and engineers, by level and field of highest degree, sex, and race/ethnicity: 2006

Level and field of highest degree and sex	All scientists and engineers	Race/ethnicity <sup>a</sup>					
		American Indian/Alaska Native	Asian	Black	Hispanic	White	Other
Economics	712,000	*	103,000	27,000	34,000	536,000	11,000
Male	501,000	S	48,000	21,000	21,000	403,000	8,000
Female	211,000	S	56,000	6,000	13,000	133,000	3,000
Political/related sciences	867,000	3,000	51,000	65,000	50,000	676,000	23,000
Male	512,000	1,000	23,000	30,000	27,000	418,000	14,000
Female	355,000	2,000	28,000	35,000	23,000	258,000	8,000
Psychology	1,813,000	9,000	67,000	129,000	124,000	1,439,000	45,000
Male	533,000	3,000	18,000	35,000	31,000	433,000	12,000
Female	1,281,000	5,000	49,000	94,000	94,000	1,006,000	33,000
Sociology/anthropology	969,000	6,000	35,000	89,000	56,000	754,000	27,000
Male	348,000	1,000	11,000	31,000	21,000	272,000	11,000
Female	621,000	5,000	24,000	58,000	35,000	482,000	16,000
Other social sciences	519,000	5,000	33,000	40,000	42,000	391,000	10,000
Male	241,000	2,000	9,000	16,000	13,000	197,000	4,000
Female	278,000	2,000	24,000	24,000	29,000	193,000	5,000
Engineering	2,899,000	7,000	496,000	84,000	156,000	2,104,000	51,000
Male	2,525,000	6,000	409,000	65,000	129,000	1,873,000	43,000
Female	374,000	1,000	87,000	20,000	26,000	231,000	8,000
Aerospace/related engineering	98,000	1,000	7,000	2,000	5,000	80,000	3,000
Male	90,000	S	7,000	2,000	5,000	73,000	3,000
Female	8,000	S	1,000	*	*	7,000	*
Chemical engineering	203,000	2,000	36,000	6,000	9,000	147,000	3,000
Male	157,000	2,000	27,000	3,000	6,000	118,000	1,000
Female	46,000	S	9,000	2,000	4,000	29,000	2,000
Civil/architectural engineering	446,000	1,000	57,000	13,000	35,000	330,000	11,000
Male	389,000	1,000	49,000	10,000	30,000	289,000	10,000
Female	58,000	S	8,000	2,000	5,000	41,000	1,000
Electrical/computer engineering	932,000	1,000	230,000	36,000	46,000	600,000	19,000
Male	825,000	1,000	189,000	29,000	39,000	550,000	18,000
Female	107,000	S	41,000	7,000	7,000	50,000	2,000
Industrial engineering	186,000	S	26,000	7,000	15,000	135,000	2,000
Male	150,000	S	19,000	4,000	12,000	113,000	2,000
Female	36,000	S	6,000	3,000	3,000	23,000	*
Mechanical engineering	609,000	2,000	78,000	13,000	24,000	485,000	7,000
Male	559,000	2,000	72,000	11,000	22,000	446,000	6,000
Female	50,000	S	6,000	1,000	2,000	39,000	1,000
Other engineering	425,000	S	62,000	9,000	21,000	328,000	5,000
Male	356,000	S	46,000	5,000	16,000	285,000	4,000
Female	69,000	S	16,000	3,000	5,000	43,000	1,000
S&E-related fields	5,389,000	24,000	504,000	289,000	283,000	4,199,000	90,000
Male	2,179,000	8,000	214,000	91,000	123,000	1,706,000	37,000
Female	3,210,000	16,000	290,000	199,000	159,000	2,493,000	53,000
Health	4,213,000	19,000	416,000	229,000	220,000	3,254,000	76,000
Male	1,400,000	5,000	153,000	51,000	82,000	1,082,000	27,000
Female	2,813,000	14,000	263,000	177,000	138,000	2,172,000	49,000
Science/mathematics teacher education	437,000	2,000	13,000	24,000	18,000	376,000	5,000
Male	193,000	S	5,000	10,000	7,000	170,000	2,000

TABLE 11. U.S. scientists and engineers, by level and field of highest degree, sex, and race/ethnicity: 2006

Level and field of highest degree and sex	All scientists and engineers	Race/ethnicity <sup>a</sup>					
		American Indian/Alaska Native	Asian	Black	Hispanic	White	Other
Female	244,000	2,000	8,000	14,000	11,000	206,000	3,000
Technology/technical fields	375,000	3,000	46,000	21,000	21,000	278,000	6,000
Male	322,000	S	36,000	16,000	19,000	243,000	5,000
Female	53,000	S	10,000	5,000	2,000	35,000	S
Other S&E-related fields	364,000	S	30,000	16,000	23,000	291,000	3,000
Male	264,000	S	21,000	13,000	15,000	211,000	3,000
Female	100,000	S	9,000	3,000	8,000	79,000	S
Non-S&E fields	4,805,000	24,000	285,000	321,000	225,000	3,885,000	66,000
Male	2,700,000	13,000	146,000	132,000	114,000	2,263,000	32,000
Female	2,105,000	10,000	139,000	189,000	111,000	1,622,000	34,000
Arts/humanities	376,000	S	24,000	8,000	17,000	322,000	4,000
Male	197,000	S	8,000	3,000	9,000	174,000	2,000
Female	179,000	S	16,000	5,000	8,000	148,000	2,000
Education, except science/mathematics teacher education	1,111,000	7,000	30,000	92,000	54,000	914,000	15,000
Male	433,000	3,000	9,000	26,000	16,000	373,000	6,000
Female	678,000	4,000	21,000	65,000	38,000	541,000	9,000
Management/administration	1,570,000	8,000	151,000	97,000	71,000	1,222,000	20,000
Male	1,111,000	6,000	91,000	48,000	50,000	906,000	11,000
Female	459,000	2,000	60,000	49,000	21,000	316,000	9,000
Sales/marketing	168,000	S	12,000	7,000	8,000	138,000	1,000
Male	103,000	S	7,000	4,000	5,000	85,000	S
Female	65,000	S	5,000	3,000	4,000	53,000	S
Social services/related	392,000	S	14,000	42,000	20,000	312,000	4,000
Male	176,000	S	6,000	20,000	8,000	140,000	2,000
Female	217,000	S	8,000	22,000	12,000	172,000	3,000
Other non-S&E fields	1,188,000	7,000	53,000	74,000	55,000	976,000	22,000
Male	681,000	4,000	25,000	30,000	27,000	585,000	11,000
Female	507,000	3,000	29,000	44,000	28,000	392,000	11,000
Bachelor's degrees	13,228,000	64,000	1,158,000	767,000	754,000	10,208,000	277,000
Male	7,005,000	31,000	601,000	310,000	374,000	5,544,000	145,000
Female	6,223,000	33,000	556,000	457,000	380,000	4,664,000	132,000
S&E fields	9,173,000	41,000	860,000	521,000	555,000	6,994,000	202,000
Male	5,437,000	23,000	498,000	237,000	295,000	4,271,000	114,000
Female	3,736,000	19,000	362,000	284,000	260,000	2,723,000	88,000
Sciences	7,098,000	35,000	596,000	454,000	432,000	5,419,000	162,000
Male	3,618,000	18,000	279,000	186,000	192,000	2,862,000	81,000
Female	3,479,000	18,000	317,000	268,000	240,000	2,556,000	81,000
Biological/agricultural/environmental life sciences	1,448,000	7,000	126,000	65,000	87,000	1,132,000	30,000
Male	728,000	4,000	50,000	19,000	40,000	599,000	16,000
Female	720,000	3,000	76,000	46,000	47,000	533,000	14,000
Agricultural/food sciences	254,000	1,000	13,000	3,000	9,000	222,000	6,000
Male	158,000	S	9,000	1,000	5,000	137,000	4,000
Female	96,000	S	4,000	2,000	4,000	85,000	2,000
Biological sciences	1,048,000	5,000	109,000	61,000	74,000	778,000	22,000
Male	470,000	3,000	40,000	17,000	31,000	370,000	10,000
Female	578,000	2,000	69,000	44,000	43,000	408,000	12,000
Environmental life sciences	145,000	2,000	4,000	1,000	5,000	132,000	2,000

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Level and field of highest degree and sex	All scientists and engineers	Race/ethnicity <sup>a</sup>					
		American Indian/Alaska Native	Asian	Black	Hispanic	White	Other
Male	100,000	S	1,000	1,000	4,000	92,000	2,000
Female	45,000	S	3,000	*	1,000	40,000	S
Computer/mathematical sciences	1,327,000	7,000	186,000	89,000	68,000	950,000	25,000
Male	863,000	6,000	112,000	49,000	45,000	630,000	20,000
Female	464,000	1,000	74,000	40,000	23,000	320,000	6,000
Computer/information sciences	867,000	7,000	144,000	67,000	55,000	576,000	18,000
Male	601,000	6,000	93,000	36,000	36,000	416,000	14,000
Female	266,000	1,000	51,000	31,000	19,000	160,000	4,000
Mathematical sciences	460,000	*	42,000	23,000	14,000	374,000	8,000
Male	262,000	S	19,000	13,000	10,000	214,000	6,000
Female	198,000	S	23,000	10,000	4,000	160,000	2,000
Physical/related sciences	538,000	2,000	53,000	18,000	28,000	427,000	8,000
Male	367,000	1,000	30,000	10,000	16,000	306,000	4,000
Female	170,000	1,000	24,000	8,000	12,000	121,000	4,000
Chemistry, except biochemistry	268,000	1,000	33,000	12,000	17,000	201,000	4,000
Male	162,000	S	17,000	6,000	10,000	127,000	2,000
Female	106,000	S	16,000	6,000	7,000	74,000	2,000
Earth/atmospheric/ocean sciences	131,000	*	2,000	1,000	4,000	122,000	1,000
Male	103,000	S	2,000	1,000	3,000	97,000	1,000
Female	28,000	S	*	S	1,000	26,000	*
Physics/astronomy	95,000	*	17,000	2,000	4,000	72,000	1,000
Male	79,000	S	10,000	1,000	3,000	63,000	1,000
Female	17,000	S	6,000	1,000	1,000	9,000	S
Other physical sciences	43,000	S	2,000	4,000	4,000	32,000	S
Male	24,000	S	S	2,000	1,000	20,000	S
Female	19,000	S	1,000	1,000	3,000	12,000	S
Social/related sciences	3,786,000	19,000	230,000	282,000	248,000	2,909,000	97,000
Male	1,661,000	6,000	88,000	109,000	91,000	1,327,000	41,000
Female	2,126,000	12,000	143,000	173,000	157,000	1,583,000	57,000
Economics	604,000	S	87,000	23,000	30,000	453,000	10,000
Male	423,000	S	40,000	18,000	18,000	340,000	7,000
Female	181,000	S	48,000	5,000	12,000	112,000	3,000
Political/related sciences	714,000	2,000	39,000	55,000	42,000	555,000	21,000
Male	418,000	S	18,000	25,000	24,000	339,000	13,000
Female	295,000	2,000	22,000	30,000	19,000	216,000	8,000
Psychology	1,204,000	6,000	50,000	93,000	93,000	928,000	34,000
Male	336,000	S	15,000	26,000	21,000	263,000	7,000
Female	868,000	4,000	35,000	67,000	72,000	665,000	27,000
Sociology/anthropology	867,000	6,000	30,000	81,000	50,000	676,000	25,000
Male	301,000	1,000	9,000	27,000	18,000	234,000	10,000
Female	566,000	5,000	21,000	53,000	31,000	442,000	15,000
Other social sciences	398,000	4,000	24,000	30,000	33,000	298,000	8,000
Male	183,000	2,000	6,000	12,000	9,000	150,000	4,000
Female	214,000	S	17,000	18,000	24,000	148,000	4,000
Engineering	2,075,000	6,000	263,000	67,000	123,000	1,575,000	40,000
Male	1,819,000	5,000	218,000	50,000	103,000	1,408,000	33,000
Female	257,000	1,000	45,000	16,000	20,000	167,000	7,000

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Level and field of highest degree and sex	All scientists and engineers	Race/ethnicity <sup>a</sup>					
		American Indian/Alaska Native	Asian	Black	Hispanic	White	Other
Aerospace/related engineering	69,000	1,000	4,000	2,000	3,000	58,000	2,000
Male	63,000	S	3,000	2,000	3,000	53,000	2,000
Female	6,000	S	*	*	*	5,000	*
Chemical engineering	150,000	2,000	18,000	4,000	7,000	117,000	3,000
Male	112,000	2,000	11,000	2,000	5,000	92,000	1,000
Female	38,000	S	6,000	2,000	2,000	24,000	2,000
Civil/architectural engineering	334,000	1,000	33,000	11,000	28,000	252,000	9,000
Male	293,000	1,000	29,000	9,000	24,000	223,000	8,000
Female	41,000	S	4,000	2,000	4,000	30,000	1,000
Electrical/computer engineering	640,000	1,000	126,000	29,000	38,000	430,000	16,000
Male	574,000	1,000	108,000	23,000	32,000	395,000	15,000
Female	66,000	S	18,000	6,000	5,000	35,000	1,000
Industrial engineering	140,000	S	12,000	5,000	12,000	108,000	1,000
Male	113,000	S	8,000	3,000	10,000	92,000	1,000
Female	27,000	S	5,000	3,000	3,000	16,000	*
Mechanical engineering	489,000	1,000	48,000	11,000	20,000	403,000	6,000
Male	450,000	1,000	45,000	9,000	18,000	372,000	5,000
Female	39,000	S	3,000	1,000	2,000	32,000	1,000
Other engineering	253,000	S	23,000	5,000	15,000	207,000	3,000
Male	213,000	S	15,000	3,000	11,000	182,000	2,000
Female	39,000	S	8,000	2,000	4,000	25,000	1,000
S&E-related fields	2,890,000	14,000	240,000	169,000	154,000	2,255,000	58,000
Male	926,000	5,000	77,000	46,000	52,000	728,000	19,000
Female	1,964,000	10,000	162,000	124,000	102,000	1,527,000	39,000
Health	2,100,000	10,000	182,000	131,000	106,000	1,620,000	50,000
Male	364,000	2,000	38,000	17,000	20,000	275,000	13,000
Female	1,735,000	9,000	144,000	114,000	86,000	1,345,000	37,000
Science/mathematics teacher education	218,000	S	7,000	8,000	12,000	189,000	1,000
Male	99,000	S	2,000	4,000	4,000	88,000	S
Female	119,000	S	4,000	4,000	8,000	101,000	S
Technology/technical fields	313,000	3,000	28,000	18,000	19,000	240,000	5,000
Male	272,000	S	22,000	14,000	17,000	213,000	4,000
Female	41,000	S	6,000	4,000	2,000	27,000	S
Other S&E-related fields	260,000	S	23,000	12,000	18,000	205,000	2,000
Male	191,000	S	15,000	11,000	11,000	152,000	2,000
Female	69,000	S	8,000	S	6,000	53,000	S
Non-S&E fields	1,165,000	8,000	59,000	77,000	45,000	960,000	17,000
Male	641,000	3,000	26,000	28,000	26,000	546,000	12,000
Female	523,000	5,000	32,000	49,000	18,000	414,000	5,000
Arts/humanities	240,000	S	10,000	6,000	9,000	213,000	2,000
Male	134,000	S	4,000	3,000	7,000	119,000	1,000
Female	106,000	S	6,000	3,000	2,000	94,000	S
Education, except science/mathematics teacher education	204,000	S	6,000	14,000	8,000	171,000	3,000
Male	67,000	S	2,000	3,000	4,000	57,000	S
Female	137,000	S	4,000	11,000	3,000	114,000	2,000
Management/administration	444,000	3,000	35,000	33,000	17,000	349,000	8,000
Male	300,000	S	16,000	14,000	12,000	251,000	6,000
Female	144,000	S	18,000	19,000	6,000	98,000	1,000

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Level and field of highest degree and sex	All scientists and engineers	Race/ethnicity <sup>a</sup>					
		American Indian/Alaska Native	Asian	Black	Hispanic	White	Other
Sales/marketing	55,000	S	S	2,000	2,000	49,000	S
Male	29,000	S	S	S	S	26,000	S
Female	26,000	S	S	S	S	23,000	S
Social services/related	41,000	S	2,000	6,000	S	32,000	S
Male	25,000	S	2,000	3,000	S	20,000	S
Female	15,000	S	S	3,000	S	12,000	S
Other non-S&E fields	180,000	S	6,000	16,000	8,000	146,000	3,000
Male	86,000	S	3,000	5,000	2,000	73,000	2,000
Female	94,000	S	3,000	11,000	6,000	73,000	S
Master's degrees	6,411,000	25,000	729,000	378,000	290,000	4,900,000	89,000
Male	3,373,000	12,000	425,000	149,000	138,000	2,599,000	50,000
Female	3,039,000	13,000	304,000	229,000	152,000	2,302,000	40,000
S&E fields	2,438,000	8,000	457,000	104,000	106,000	1,723,000	40,000
Male	1,489,000	4,000	291,000	47,000	58,000	1,063,000	27,000
Female	949,000	5,000	166,000	57,000	48,000	660,000	13,000
Sciences	1,758,000	7,000	273,000	89,000	77,000	1,282,000	30,000
Male	913,000	3,000	144,000	35,000	35,000	679,000	18,000
Female	845,000	4,000	129,000	54,000	42,000	603,000	12,000
Biological/agricultural/environmental life sciences	263,000	1,000	35,000	8,000	10,000	202,000	6,000
Male	134,000	S	14,000	4,000	4,000	108,000	3,000
Female	129,000	*	22,000	4,000	6,000	94,000	3,000
Agricultural/food sciences	35,000	S	3,000	2,000	2,000	26,000	2,000
Male	21,000	S	1,000	2,000	1,000	16,000	S
Female	14,000	S	2,000	*	1,000	10,000	S
Biological sciences	187,000	*	30,000	5,000	7,000	142,000	3,000
Male	88,000	S	11,000	2,000	3,000	70,000	2,000
Female	100,000	S	19,000	3,000	4,000	72,000	2,000
Environmental life sciences	40,000	S	2,000	1,000	1,000	34,000	1,000
Male	25,000	S	2,000	S	*	22,000	S
Female	15,000	S	*	1,000	*	13,000	S
Computer/mathematical sciences	481,000	2,000	162,000	21,000	12,000	276,000	7,000
Male	319,000	S	99,000	10,000	9,000	195,000	5,000
Female	161,000	S	63,000	11,000	3,000	81,000	2,000
Computer/information sciences	348,000	S	137,000	15,000	10,000	177,000	6,000
Male	238,000	S	86,000	8,000	8,000	131,000	5,000
Female	110,000	S	51,000	7,000	3,000	46,000	2,000
Mathematical sciences	133,000	S	25,000	6,000	2,000	99,000	1,000
Male	81,000	S	13,000	2,000	1,000	64,000	1,000
Female	51,000	S	12,000	4,000	1,000	35,000	S
Physical/related sciences	157,000	1,000	29,000	3,000	5,000	118,000	2,000
Male	114,000	S	17,000	3,000	4,000	88,000	2,000
Female	43,000	S	12,000	1,000	1,000	30,000	*
Chemistry, except biochemistry	53,000	S	16,000	1,000	1,000	34,000	1,000
Male	33,000	S	8,000	1,000	1,000	22,000	1,000
Female	21,000	S	8,000	*	*	12,000	S
Earth/atmospheric/ocean sciences	56,000	S	4,000	*	1,000	50,000	1,000
Male	43,000	S	2,000	*	1,000	38,000	1,000

TABLE 11. U.S. scientists and engineers, by level and field of highest degree, sex, and race/ethnicity: 2006

Level and field of highest degree and sex	All scientists and engineers	Race/ethnicity <sup>a</sup>					
		American Indian/Alaska Native	Asian	Black	Hispanic	White	Other
Female	13,000	S	1,000	S	*	11,000	*
Physics/astronomy	42,000	S	9,000	1,000	2,000	29,000	*
Male	35,000	S	6,000	1,000	2,000	25,000	*
Female	7,000	S	2,000	S	*	4,000	S
Other physical sciences	6,000	S	S	1,000	S	5,000	S
Male	3,000	S	S	S	S	3,000	S
Female	3,000	S	S	S	S	2,000	S
Social/related sciences	858,000	3,000	47,000	57,000	50,000	686,000	15,000
Male	347,000	1,000	14,000	18,000	18,000	288,000	7,000
Female	511,000	2,000	33,000	38,000	32,000	398,000	8,000
Economics	81,000	S	12,000	3,000	4,000	62,000	*
Male	56,000	S	5,000	2,000	3,000	46,000	S
Female	25,000	S	7,000	1,000	1,000	17,000	S
Political/related sciences	130,000	S	10,000	8,000	7,000	102,000	2,000
Male	77,000	S	4,000	3,000	3,000	65,000	1,000
Female	53,000	S	6,000	5,000	4,000	37,000	*
Psychology	474,000	2,000	13,000	31,000	26,000	391,000	10,000
Male	136,000	S	2,000	7,000	8,000	114,000	4,000
Female	338,000	2,000	11,000	23,000	19,000	277,000	5,000
Sociology/anthropology	71,000	S	4,000	7,000	6,000	53,000	1,000
Male	31,000	S	1,000	2,000	2,000	25,000	S
Female	40,000	S	3,000	4,000	4,000	29,000	1,000
Other social sciences	101,000	S	7,000	8,000	8,000	76,000	1,000
Male	46,000	S	1,000	3,000	3,000	38,000	1,000
Female	55,000	S	6,000	5,000	5,000	38,000	1,000
Engineering	679,000	1,000	184,000	15,000	29,000	441,000	10,000
Male	576,000	S	148,000	12,000	23,000	384,000	9,000
Female	104,000	S	36,000	3,000	6,000	57,000	1,000
Aerospace/related engineering	22,000	S	2,000	S	2,000	17,000	1,000
Male	20,000	S	2,000	S	2,000	15,000	1,000
Female	2,000	S	*	S	*	1,000	S
Chemical engineering	32,000	S	12,000	1,000	2,000	18,000	S
Male	26,000	S	10,000	1,000	*	15,000	S
Female	6,000	S	2,000	*	1,000	3,000	S
Civil/architectural engineering	100,000	S	21,000	2,000	6,000	70,000	2,000
Male	85,000	S	17,000	2,000	5,000	59,000	2,000
Female	15,000	S	3,000	*	1,000	11,000	S
Electrical/computer engineering	251,000	S	87,000	6,000	7,000	147,000	3,000
Male	213,000	S	67,000	5,000	5,000	133,000	2,000
Female	38,000	S	20,000	1,000	2,000	14,000	S
Industrial engineering	42,000	S	12,000	2,000	3,000	25,000	S
Male	34,000	S	10,000	2,000	2,000	19,000	S
Female	8,000	S	1,000	*	1,000	6,000	S
Mechanical engineering	102,000	S	23,000	2,000	4,000	71,000	2,000
Male	92,000	S	21,000	2,000	3,000	64,000	1,000
Female	10,000	S	2,000	*	*	7,000	S
Other engineering	131,000	S	27,000	3,000	6,000	94,000	2,000

TABLE 11. U.S. scientists and engineers, by level and field of highest degree, sex, and race/ethnicity: 2006

Level and field of highest degree and sex	All scientists and engineers	Race/ethnicity <sup>a</sup>					
		American Indian/Alaska Native	Asian	Black	Hispanic	White	Other
Male	106,000	S	20,000	2,000	4,000	79,000	2,000
Female	25,000	S	7,000	1,000	1,000	15,000	*
S&E-related fields	1,193,000	4,000	86,000	70,000	45,000	972,000	15,000
Male	359,000	1,000	36,000	18,000	15,000	282,000	7,000
Female	834,000	4,000	50,000	52,000	31,000	690,000	7,000
Health	828,000	3,000	57,000	48,000	31,000	678,000	9,000
Male	156,000	1,000	15,000	8,000	6,000	122,000	5,000
Female	672,000	3,000	42,000	41,000	25,000	556,000	5,000
Science/mathematics teacher education	208,000	S	5,000	15,000	7,000	177,000	3,000
Male	88,000	S	2,000	6,000	3,000	76,000	S
Female	120,000	S	3,000	10,000	3,000	101,000	2,000
Technology/technical fields	58,000	S	16,000	3,000	2,000	35,000	S
Male	46,000	S	13,000	3,000	2,000	27,000	S
Female	12,000	S	3,000	S	S	8,000	S
Other S&E-related fields	99,000	S	7,000	4,000	5,000	82,000	S
Male	69,000	S	6,000	3,000	3,000	56,000	S
Female	30,000	S	1,000	S	2,000	25,000	S
Non-S&E fields	2,781,000	13,000	186,000	204,000	138,000	2,206,000	35,000
Male	1,524,000	8,000	98,000	84,000	65,000	1,254,000	16,000
Female	1,257,000	5,000	88,000	120,000	73,000	952,000	19,000
Arts/humanities	116,000	S	14,000	2,000	6,000	92,000	1,000
Male	52,000	S	4,000	S	2,000	45,000	S
Female	64,000	S	10,000	S	4,000	47,000	S
Education, except science/mathematics teacher education	835,000	5,000	23,000	72,000	42,000	684,000	11,000
Male	327,000	3,000	6,000	20,000	10,000	283,000	5,000
Female	508,000	2,000	16,000	52,000	32,000	401,000	6,000
Management/administration	1,109,000	5,000	111,000	64,000	54,000	862,000	13,000
Male	798,000	4,000	70,000	34,000	38,000	646,000	5,000
Female	311,000	S	41,000	30,000	16,000	216,000	8,000
Sales/marketing	111,000	S	11,000	5,000	7,000	88,000	S
Male	72,000	S	7,000	4,000	3,000	59,000	S
Female	38,000	S	4,000	1,000	3,000	30,000	S
Social services/related	316,000	S	11,000	34,000	18,000	249,000	4,000
Male	122,000	S	4,000	15,000	7,000	95,000	S
Female	194,000	S	7,000	19,000	11,000	154,000	2,000
Other non-S&E fields	295,000	S	17,000	26,000	12,000	231,000	6,000
Male	154,000	S	7,000	10,000	5,000	127,000	4,000
Female	141,000	S	10,000	16,000	7,000	104,000	2,000
Doctorate degrees	1,018,000	2,000	165,000	33,000	35,000	771,000	11,000
Male	710,000	1,000	122,000	20,000	21,000	539,000	7,000
Female	308,000	1,000	43,000	13,000	15,000	232,000	4,000
S&E fields	802,000	2,000	146,000	21,000	24,000	602,000	9,000
Male	586,000	1,000	110,000	13,000	15,000	441,000	6,000
Female	216,000	*	35,000	8,000	9,000	161,000	3,000
Sciences	659,000	1,000	98,000	18,000	20,000	514,000	7,000
Male	456,000	1,000	68,000	10,000	12,000	360,000	5,000
Female	203,000	*	30,000	8,000	8,000	154,000	2,000

TABLE 11. U.S. scientists and engineers, by level and field of highest degree, sex, and race/ethnicity: 2006

Level and field of highest degree and sex	All scientists and engineers	Race/ethnicity <sup>a</sup>					
		American Indian/Alaska Native	Asian	Black	Hispanic	White	Other
Biological/agricultural/environmental life sciences	223,000	1,000	42,000	5,000	7,000	165,000	3,000
Male	152,000	*	27,000	3,000	5,000	115,000	2,000
Female	71,000	*	15,000	2,000	3,000	50,000	1,000
Agricultural/food sciences	22,000	S	3,000	1,000	1,000	17,000	*
Male	18,000	S	2,000	1,000	1,000	14,000	*
Female	4,000	S	1,000	*	*	3,000	S
Biological sciences	193,000	*	38,000	4,000	6,000	142,000	2,000
Male	128,000	*	25,000	2,000	3,000	96,000	2,000
Female	65,000	*	14,000	2,000	3,000	46,000	1,000
Environmental life sciences	8,000	S	1,000	*	*	7,000	S
Male	6,000	S	*	*	*	5,000	S
Female	2,000	S	*	S	*	1,000	S
Computer/mathematical sciences	57,000	S	13,000	1,000	2,000	41,000	*
Male	48,000	S	11,000	1,000	1,000	35,000	*
Female	9,000	S	3,000	*	1,000	6,000	*
Computer/information sciences	20,000	S	7,000	*	1,000	12,000	*
Male	17,000	S	5,000	*	1,000	11,000	*
Female	3,000	S	1,000	*	*	2,000	S
Mathematical sciences	37,000	S	7,000	1,000	1,000	28,000	*
Male	31,000	S	5,000	1,000	1,000	24,000	*
Female	6,000	S	1,000	*	1,000	4,000	*
Physical/related sciences	164,000	*	30,000	2,000	4,000	126,000	2,000
Male	137,000	*	23,000	2,000	3,000	109,000	1,000
Female	27,000	S	7,000	1,000	1,000	18,000	*
Chemistry, except biochemistry	86,000	*	18,000	1,000	2,000	63,000	1,000
Male	69,000	*	13,000	1,000	1,000	53,000	1,000
Female	17,000	S	5,000	1,000	1,000	10,000	*
Earth/atmospheric/ocean sciences	21,000	S	2,000	*	*	18,000	*
Male	18,000	S	2,000	*	*	15,000	*
Female	4,000	S	1,000	S	*	3,000	S
Physics/astronomy	54,000	S	10,000	1,000	1,000	42,000	*
Male	48,000	S	8,000	1,000	1,000	38,000	*
Female	6,000	S	2,000	*	*	4,000	S
Other physical sciences	3,000	S	*	*	*	2,000	S
Male	2,000	S	*	S	S	2,000	S
Female	1,000	S	*	S	S	1,000	S
Social/related sciences	214,000	1,000	12,000	10,000	8,000	181,000	3,000
Male	119,000	*	7,000	5,000	4,000	102,000	1,000
Female	95,000	*	5,000	5,000	4,000	80,000	1,000
Economics	27,000	S	4,000	1,000	1,000	21,000	*
Male	22,000	S	3,000	1,000	1,000	17,000	*
Female	5,000	S	1,000	*	*	4,000	S
Political/related sciences	23,000	*	1,000	2,000	1,000	19,000	*
Male	17,000	S	1,000	1,000	*	14,000	*
Female	6,000	S	*	*	*	5,000	*
Psychology	114,000	*	4,000	5,000	4,000	100,000	1,000
Male	53,000	*	1,000	2,000	2,000	48,000	1,000
Female	61,000	*	2,000	3,000	3,000	52,000	1,000

TABLE 11. U.S. scientists and engineers, by level and field of highest degree, sex, and race/ethnicity: 2006

Level and field of highest degree and sex	All scientists and engineers	Race/ethnicity <sup>a</sup>					
		American Indian/Alaska Native	Asian	Black	Hispanic	White	Other
Sociology/anthropology	30,000	*	1,000	2,000	1,000	25,000	1,000
Male	16,000	S	1,000	1,000	1,000	13,000	*
Female	14,000	*	1,000	1,000	1,000	12,000	*
Other social sciences	20,000	*	2,000	1,000	1,000	16,000	*
Male	12,000	S	1,000	1,000	*	9,000	*
Female	9,000	*	1,000	1,000	*	7,000	*
Engineering	144,000	S	48,000	3,000	3,000	88,000	1,000
Male	130,000	S	43,000	2,000	3,000	81,000	1,000
Female	13,000	S	5,000	*	*	7,000	*
Aerospace/related engineering	7,000	S	1,000	*	*	5,000	S
Male	6,000	S	1,000	*	*	5,000	S
Female	*	S	S	S	S	*	S
Chemical engineering	21,000	S	7,000	*	1,000	12,000	*
Male	18,000	S	6,000	*	1,000	11,000	*
Female	2,000	S	1,000	*	S	1,000	S
Civil/architectural engineering	12,000	S	3,000	*	*	8,000	S
Male	11,000	S	3,000	*	*	7,000	S
Female	1,000	S	*	S	S	1,000	S
Electrical/computer engineering	41,000	S	16,000	1,000	1,000	23,000	*
Male	38,000	S	14,000	1,000	1,000	22,000	*
Female	3,000	S	2,000	*	*	1,000	S
Industrial engineering	4,000	S	1,000	*	*	2,000	S
Male	3,000	S	1,000	*	S	2,000	S
Female	1,000	S	S	S	S	1,000	S
Mechanical engineering	19,000	S	7,000	*	*	11,000	*
Male	18,000	S	6,000	*	*	10,000	*
Female	1,000	S	*	S	S	*	S
Other engineering	41,000	S	12,000	1,000	1,000	27,000	*
Male	36,000	S	11,000	1,000	1,000	24,000	*
Female	5,000	S	2,000	*	*	3,000	S
S&E-related fields	65,000	*	11,000	3,000	3,000	46,000	1,000
Male	34,000	S	6,000	2,000	2,000	24,000	1,000
Female	31,000	*	5,000	2,000	1,000	22,000	*
Health	45,000	*	8,000	3,000	3,000	30,000	*
Male	20,000	S	4,000	2,000	2,000	12,000	*
Female	25,000	*	4,000	1,000	1,000	18,000	*
Science/mathematics teacher education	11,000	S	S	1,000	S	10,000	S
Male	7,000	S	S	S	S	6,000	S
Female	5,000	S	S	S	S	4,000	S
Technology/technical fields	5,000	S	2,000	S	S	3,000	S
Male	4,000	S	1,000	S	S	3,000	S
Female	S	S	S	S	S	S	S
Other S&E-related fields	4,000	S	S	S	S	4,000	S
Male	3,000	S	S	S	S	S	S
Female	1,000	S	S	S	S	1,000	S
Non-S&E fields	150,000	S	9,000	9,000	8,000	122,000	2,000
Male	90,000	S	6,000	6,000	4,000	74,000	S

TABLE 11. U.S. scientists and engineers, by level and field of highest degree, sex, and race/ethnicity: 2006

Level and field of highest degree and sex	All scientists and engineers	Race/ethnicity <sup>a</sup>					
		American Indian/Alaska Native	Asian	Black	Hispanic	White	Other
Female	61,000	S	3,000	3,000	5,000	48,000	1,000
Arts/humanities	20,000	S	S	S	2,000	17,000	S
Male	11,000	S	S	S	S	10,000	S
Female	9,000	S	S	S	S	7,000	S
Education, except science/mathematics teacher education	69,000	S	1,000	5,000	4,000	58,000	1,000
Male	38,000	S	S	3,000	2,000	32,000	S
Female	32,000	S	1,000	2,000	2,000	25,000	1,000
Management/administration	16,000	S	5,000	S	S	10,000	S
Male	13,000	S	4,000	S	S	8,000	S
Female	3,000	S	S	S	S	2,000	S
Sales/marketing	2,000	S	S	S	S	S	S
Male	1,000	S	S	S	S	S	S
Female	S	S	S	S	S	S	S
Social services/related	21,000	S	S	2,000	S	18,000	S
Male	16,000	S	S	2,000	S	14,000	S
Female	5,000	S	S	S	S	4,000	S
Other non-S&E fields	22,000	S	S	S	2,000	19,000	S
Male	11,000	S	S	S	S	9,000	S
Female	12,000	S	S	S	S	10,000	S

\* = estimate < 500; S = suppressed for reliability or confidentiality.

S&E = science and engineering.

<sup>a</sup> "Other" includes Native Hawaiian/Other Pacific Islander and non-Hispanic respondents reporting 2 or more races.

<sup>b</sup> Total includes professional degrees not broken out separately.

NOTES: Scientists and engineers include any person who has ever received a bachelor's or higher degree in a science or engineering (S&E) or S&E-related field through 2005, plus any person holding a non-S&E bachelor's or higher degree who was employed in a S&E or S&E-related occupation in 2003. See <http://sestat.nsf.gov/docs/ed03maj.html> for a detailed description of the educational field classification. Numbers are rounded to the nearest thousand. Detail may not add to total because of rounding.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Scientists and Engineers Statistical Data System (SESTAT): 2006.